HAYWARD®

We Build Better.®

2023 Buyer's Guide & Parts Price List

Featuring Expert Line® Products



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Pricing effective June 25, 2022. Supersedes all price lists of prior dates. Please see Terms & Conditions of Sale, inside back cover.

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Commercial Aquatics Product Portfolio 337

The List Prices shown do not necessarily represent the prices that products are sold for to retail customers.
Abbreviations: FIP – Female Iron Pipe Size; SKT – Socket (Solvent Weld - Female) Connection; MIP – Male Iron Pipe Size; SLIP – Male Pipe Stub (Solvent Weld – Male) Connection

2023 NEW PRODUCTS

Featuring Expert Line®



A BETTER BACKYARD.



As doors around the world begin to open once again, one place remains an essential refuge: the backyard. At Hayward, we've always been about perfecting pool and backyard living—a mission we remain committed to pursuing, now more than ever. And in that pursuit, here are a few things this year has brought for us:

We've engineered more products with category-leading efficiency, helping pool owners spend less time worrying about energy bills and more time enjoying their investment. Take one look at our #1-rated ultra-high efficiency pumps or the unbelievably efficient HeatPro VS, and you'll know we're serious about our commitment to sustainability.

We've also continued investing in our top-rated Omni automation platform, expanding its compatibility to include more home devices than ever before. Add to that a new suite of stunning lighting and water features plus equipment that's never run so quietly, and you've got all the makings of a pool that can transform any swim into an unforgettable experience.

We're also making strides beyond the backyard, with our Commercial Aquatics division offering its most versatile and efficient lineup of products ever.

All in all, we're moving toward an exciting future of backyard relaxation that's as good for the environment as it is for the pool owner. No matter what tomorrow brings, we'll still be hard at work building our better—one backyard at a time.

LOOK FOR NEW PRODUCTS MARKED WITH THE EXPERT LINE SYMBOL.

EXPERT LINE® | NOT SOLD ONLINE | 3+ YEAR PARTS & LABOR WARRANTIES*

*When sold by a Totally Hayward® Partner. Exclusions, other terms and conditions may apply—visit hayward.com/expert for details.

ENHANCES BETTER.

With the right backyard ambiance, everything changes—swims feel more luxurious, lounges more relaxing and parties more vibrant than ever. Hayward LED WaterBowls and LED Sheers upgrade any pool by unlocking the vast possibilities of OmniDirect Mode™—including 10 additional color options, instant navigation, dimming capabilities and more—illuminating a path to turn even ordinary moments into extraordinary memories.

PREMIUM LED WATERBOWLS & LED SHEERS.



Scan the QR code to learn more about LED WaterBowls & LED Sheers.



SET THE MOOD FOR THE PERFECT SWIM.

Color combination only available with OmniDirect mode.

LED WATERBOWL

for a soothing spillover from a decorative vessel

» 7 tempered glass or metallic composite finishes
» Square/round base shapes available
» Interior lights resemble soft, flickering flame
» Compatible with Omni® automation systems*

LED SHEER

for a glossy waterfall along wall surfaces

» Available in lengths from 1' to 8'
» Unique top-access light eliminates light loss
» For straight, curved or custom walls
» Compatible with Omni automation systems*

WATERBOWL FINISH OPTIONS:



Tempered Glass (Shown) | Brass | Copper | Bronze | Gray | Pewter | Natural



SMARTPOWER®
TRANSFORMER

THE ULTIMATE THEME SETTER

Unlock your lighting with four (4) zones of control from one transformer. Change color between the pool, spa, water features and landscape without requiring additional HV relays or transformers.

» Easily alternate the colors for up to four (4) zones of lighting from this one transformer

» Supports up to 75W per zone (300W total)

» Controllable with Omni® automation systems*

» OmniDirect Mode™ compatible for additional lighting shows and colors, dimming control and more

» No high voltage relay is required

» UL Listed

TRANSFORM YOUR BACKYARD WITH VIBRANT COLOR.

Our latest Universal ColorLogic and Universal CrystaLogic LED lights retrofit in virtually any existing pool or spa.

» Residential in-ground pool or spa Features

» LED pool light UL Listed for safe installation in virtually any manufacturer's niche

» Industry-leader in Color

» Directional Optics for Glare Reduction

» Detachable Cord for ease of service

» Adjustable Lower Catch to overcome variations in plaster depth

» Easily adjust to angled niches using the rotatable mounting flange

» Stainless Steel trim options

» All plastic construction with no gaskets increases reliability



UNIVERSAL CRYSTALOGIC®
POOL AND SPA LED LIGHTS



SIMPLE IS BETTER.

When "smart" control adds more complexity than it solves, it's not really all that smart. That's why OmniPL is built to deliver flexible, right-sized pool control that works with a just a touch, tap or voice command. And with pricing that fits any budget, it's the simplest decision pool owners will make all year.

VERSATILE POOL CONTROL WITH UNMATCHED VALUE.

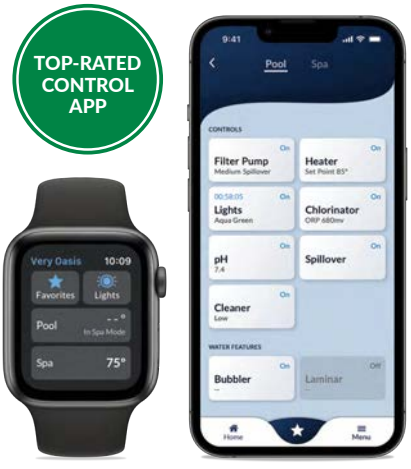


OMNIPL® SMART POOL & SPA CONTROL

- » Ideal for mid-range pool builds and renovations
- » Modular design grows with the backyard
- » External display makes for easy installation

Mobile phone not included with Omni products

Scan the QR code to watch the OmniPL video.



OMNILOGIC® APP

LIGHTING AND AUTOMATION: BETTER TOGETHER.

As an advanced one-platform automation suite, Omni® makes pool and spa control more intuitive than ever via built-in displays, voice-enabled devices and the top-rated OmniLogic app. And with exclusive OmniDirect Mode, pool owners can pair Omni with any low-voltage ColorLogic standalone light to enjoy added capabilities:

- » Instant navigation to desired colors or light shows
- » Dimming capabilities
- » Speed adjustment for light shows
- » Access to 10 additional colors

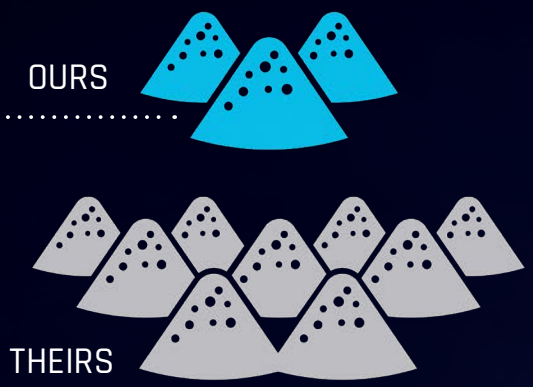
LESS IS BETTER.

If less is more, AquaRite S3 Omni gives you the absolute most—with more lesses than any other salt sanitizer. Less salt to operate? Check. Less hassle to control the entire pool? Check. No more burning eyes, faded clothing or itchy skin? Check, check, check.

REQUIRES 1/3 THE SALT OF THE COMPETITION.*



AQUARITE® S3 OMNI® SALT CHLORINATION SYSTEM





2/3 LESS SALT TO HAUL THAN WITH COMPETING SYSTEMS*

Scan the code to learn more about AquaRite S3 Omni.

*Claim based on AquaRite S3 salt concentration range of 0-100% (+1%); 800-8000 ppm.

PROTECTS BETTER.

Powered by a triple-action sanitization process that combines powerful UV, ozone and hydroxyl radicals to destroy 99.9%* of viruses and bacteria, HydraPure defends pools of every size. And because it installs quickly and doesn't require extra equipment, it's not too bad at protecting your bottom line, either.

SUPERIOR AOP 3-IN-1 SANITIZATION.

DESTROYS 99.9%*
OF VIRUSES & BACTERIA

CUTS CHLORINE
DEMAND

FOR HIGH & LOW
FLOW RATES



HYDRAPURE® ADVANCED OXIDATION
SANITIZATION SYSTEM

*Destroys 99.9% of chlorine-resistant microorganisms up to 80 GPM, with a reduced level above 80 GPM.

SOUNDS BETTER.

Sure, HeatPro VS is ultra-strong on efficiency and quietness, but this heat pump is a lot more than just muscle. Powered by the same variable-speed tech as our industry-leading pumps, HeatPro VS self-adjusts its output automatically, using ambient air to heat or cool the pool to the perfect temperature—all day, every day.

INDUSTRY'S MOST EFFICIENT HEAT PUMP.*

HEATS & COOLS



HEATPRO® VS HEAT & COOL HEAT PUMP

ULTRA-QUIET OPERATION

WORKS IN ANY WEATHER

SOFT START

Scan the code to learn more about HeatPo VS.

*Based on published COP among leading competitive vertical discharge heat pumps.

FLEXES BETTER.

The TriStar XL is a game changer for large residential pools, feature-rich pools or complex pool pad configurations. Engineered for performance and versatility, the TriStar XL delivers increased flow from extra-large 2.5" x 3" unions, the removable strainer housing allows for more adaptable pump configurations, and the oversized strainer basket reduces cleaning and maintenance.

POWERFUL DESIGN. VERSATILE PERFORMANCE.



TRISTAR® XL HIGH PERFORMANCE
VARIABLE-SPEED PUMP

EXTRA POWER

» 2.7 HP (115/230V)
» HIGHEST IN CLASS 7.2/9.9 WEF

EXTRA FLEXIBILITY

» STANDARD 2.5" x 3" UNIONS INCLUDED
» DETACHABLE STRAINER

EXTRA CONTROL

» OMNI COMPATIBILITY
» DETACHABLE ROTATING USER INTERFACE

Scan the code to learn more about TriStar XL.

SAVES BETTER.

Not only do our ultra-high efficiency pumps save more energy than the other guys, they're also built to save you money, time, hassle, headaches—and also energy. Did we mention they're #1 in energy efficiency?*

INDUSTRY LEADER IN ENERGY EFFICIENCY.



ULTRA-HIGH EFFICIENCY PUMPS

VS SERIES



TRISTAR® VS X

RATED #1 IN ENERGY EFFICIENCY *



DIGITAL CONTROL INTERFACE

UNLIMITED SPEED SELECTIONS

AUTOMATION COMMUNICATION

DUAL VOLTAGE

XE SERIES



TRISTAR® XE X

PRICED UP TO 1/3 LESS



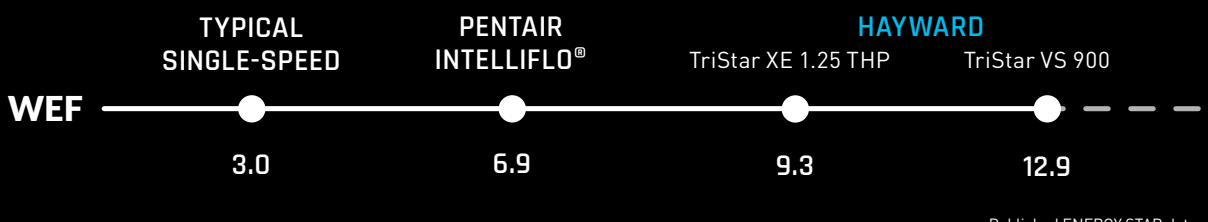
SIMPLE BUTTON PROGRAMMING

SELECT SPEED OPTIONS

RELAY CONNECTIVITY

DUAL VOLTAGE

HAYWARD IS THE INDUSTRY LEADER IN ENERGY EFFICIENCY.



Published ENERGY STAR data



SUPER PUMP® VS 700 X MAXFLO® VS 500 X SUPER PUMP® XE X MAXFLO® XE X

Scan the QR code to watch the video.

*Based on TriStar® VS 900 among in-ground pool pump ratings, per U.S. Department of Energy efficiency metrics as of October 1, 2021. Visit hayward.com/regulations for details.

SAFER IS BETTER.

As the low-pressure, secondary disinfection system NSF-certified to destroy Cryptosporidium,* HydroRite UV takes swimmer safety to a new level. And because they cost significantly less and drastically cut chlorine usage, customers can feel safe that HydroRite UV systems are the best decision for both their business and their guests.

LOW-PRESSURE SYSTEM NSF-CERTIFIED TO DESTROY CRYPTOSPORIDIUM.*



ELIMINATES 99.9%* OF PATHOGENS FOR 100% PEACE OF MIND.

- » Utilizes UV, ozone and advanced oxidation to sanitize
- » NSF certified to destroy 99.9%* of Cryptosporidium and other pathogens
- » Reduces chlorine demand by up to 50%
- » Reduces chloramine irritants by 50% or more
- » Easy horizontal or vertical in-line installation

HYDRORITE® UV COMMERCIAL DISINFECTION SYSTEM

HAYWARD®
COMMERCIAL AQUATICS

A BETTER EXPERIENCE FOR EVERY GUEST.



Certified to NSF/ANSI Standard 50

NSF certified to destroy Cryptosporidium.*
Every pool season, the U.S. Centers for Disease Control reminds swimmers to be careful of Cryptosporidium ("crypto"), the leading cause of recreational waterborne illness and dozens of hospitalizations annually. That's why Hayward is proud to announce that our latest model of HydroRite UV has received NSF certification for its breakthrough ability to destroy crypto in pool water.

THE EASIEST WAY TO UPGRADE SINGLE-SPEED COMMERCIAL PUMPS.

» Efficient way to add variable-speed functionality to single-speed pumps
» 98% drive efficiency for greater energy savings
» Compatible with most 208-230/460 VAC pumps
» Adjustable motor RPMs to match flow rate
» OLED display & touchscreen panel



HCP SERIES VARIABLE FREQUENCY DRIVE

*Certified to achieve a minimum inactivation equivalent of 3 log (99.9%) Cryptosporidium Parvum in accordance with NSF 50 and the US EPA UV DGM.

WE MAKE BACKYARDS BETTER.

» hayward.com » 1-888-HAYWARD

Pumps » Filters » Heaters » Sanitization » Automation » Lighting » Water Features » Cleaners » Safety

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HAYWARD®

We Build Better.®

2023 FINISHED GOODS



SAVES BETTER.

Not only do our ultra-high efficiency pumps save more energy than the other guys, they're also built to save you money, time, hassle, headaches—and also energy. Did we mention they're #1 in energy efficiency?*

INDUSTRY LEADER IN ENERGY EFFICIENCY.



TRISTAR® XE
ULTRA-HIGH EFFICIENCY
PUMP

Scan the code to learn more.

HAYWARD®
We Build Better.™

*Based on TriStar® VS 900 among in-ground pool pump ratings, per U.S. Department of Energy efficiency metrics as of October 1, 2021. Visit hayward.com/regulations for details.

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DOE REGULATORY CHANGES: FAQs FOR POOL PROFESSIONALS

Q: WHEN DO THE NEW U.S. DEPARTMENT OF ENERGY (DOE) REGULATIONS GO INTO EFFECT?

A: The new DOE pool pump regulations went into effect on July 19, 2021. On and after this date, pump manufacturers can no longer produce non-compliant pumps for sale for use in the United States.

Q: CAN I SELL AND/OR INSTALL PUMPS MADE PRIOR TO THE EFFECTIVE DATE?

A: Yes, the new DOE regulations only affect pool pump manufacturers. After the effective date (July 19, 2021), manufacturers can only manufacture pumps that meet the new energy-efficiency and labeling requirements. Pool builders, pool servicers and pool stores may still sell and install pumps manufactured prior to the effective date.

Q: WHAT ABOUT THE PUMPS I ALREADY HAVE IN STOCK?

A: You can continue to sell, install and maintain older pumps that you have in stock or as long as you can acquire inventory.

Q: WHAT ABOUT PUMPS I HAVE PREVIOUSLY INSTALLED OR SOLD?

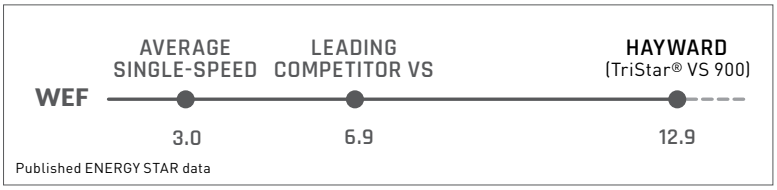
A: Previously manufactured, sold or installed pumps are not subject to the new DOE regulations. Older model pumps can still be sold and installed—they just can't be manufactured.

This is similar to the phasing out of incandescent light bulbs in the lighting industry. After the effective date, manufacturers were no longer able to produce incandescent light bulbs. However, stores that had incandescent bulbs stocked could still sell them.

Q: WHAT DO I NEED TO KNOW ABOUT WEF?

A: WEF stands for weighted energy factor and is a new standard for evaluating the energy efficiency of pool pumps. It was created as part of the broader set of DOE regulations.

WEF is based on energy factors at different pump speeds (when applicable). It's similar to miles per gallon (MPG) ratings for vehicles—the higher a pumps's WEF rating, the more efficient the pump.



Published ENERGY STAR data

Because of the new DOE regulations, all pumps manufactured after July 19, 2021, are required to meet WEF energy-efficiency standards and be labeled with their WEF rating.

Pool pros should help consumers understand WEF ratings so they can make a more educated choice when purchasing a pool pump—ultimately helping them save energy and reduce their utility bills.

Q: WHICH POOL PUMPS HAVE THE BEST WEF RATINGS?

A: Hayward in-ground pumps have the highest (best) WEF ratings in the pool industry. You can visit the DOE website or ENERGY STAR® website to compare the WEF ratings of different pump brands and models.

Q: WHICH POOL PUMP BRAND CARRIES THE BROADEST RANGE OF DOE-COMPLIANT PUMPS?

A: Hayward carries the broadest range of DOE-compliant pumps.

Q: WHAT ELSE DO I NEED TO KNOW ABOUT THE NEW DOE REGULATIONS?

A: While non-compliant pumps can no longer be manufactured as of July 19, 2021, there are already plenty of compliant models that ensure you can continue business as usual.

- All Hayward VS and XE ultra-high efficiency pumps are compliant
- Many Hayward high efficiency pumps are compliant:
  - 1 HP and smaller Hayward Super Pump® models
  - 1 HP and smaller Hayward MaxFlo® XL models
- Most above-ground pumps and cleaner booster pumps will remain single-speed

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GUIDE TO NON DOE-COMPLIANT PUMPS AND RECOMMENDED REPLACEMENT PUMPS

EFFECTIVE JULY 19, 2021

The U.S. Department of Energy (DOE) has developed new energy-efficiency standards for pool pumps manufactured on or after July 19, 2021. For more information, visit hayward.com/regulations. Below is a list of SKUs that will not meet the DOE requirements and their recommended replacement. Recommendations are based on the closest match of performance (flow) where possible and may not match exactly.*

NON DOE-COMPLIANT PUMPS		RECOMMENDED DOE-COMPLIANT REPLACEMENTS	
PUMP NAME	NON COMPLIANT SKU	COMPLIANT SKU	PUMP NAME
MaxFlo XL	SP2310X15	SP2310X15XE	MaxFlo XE
	SP2310X152		
	SP2315X20	SP2315X20XE	
	SP2315X202		
Super Pump	SP2610X15	SP2610X15XE	Super Pump XE
	SP2610X152S		
	SP2670010X15		
	SP2615X20	SP2615X20XE	
	SP2615X202S		
	SP2621X25		
Super II	SP3005X7AZ	SP3200X10	TriStar
	SP3007EECA		
	SP3007X10AZ		
	SP3007X10AZ2		
	SP3010EEAZ	SP3207X10XE	TriStar XE
	SP3010X152AZ		
	SP3010X15AZ		
	SP3015EEAZ	SP3210X15XE	
	SP3015X202AZ		
	SP3015X20AZ		
	SP3020EEAZ	SP3215X20XE	
	SP3020X25AZ		
	SP3025EEAZ	SP32950VSP	TriStar VS
	SP3025X30AZ		
TriStar	SP3205X7	SP3200X10	TriStar
	SP3207EE	SP3207X10XE	TriStar XE
	SP3207X10		
	SP32102EE	SP3210X15XE	
	SP3210EE		
	SP3210X15		
	SP3210X152		
	SP32152EE	SP3215X20XE	
	SP3215EE		
	SP3215X20		
	SP3215X202		
	SP32202EE	SP32950VSP	TriStar VS
	SP3220EE		
	SP3220X25		
	SP3220X252		
	SP3225X30	SP3250EE	TriStar
	SP3230EE		

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*List subject to change. All models may not be listed, and certain models may be modified prior to July 2021. For more information, contact your Hayward sales rep.

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Version 1.0 - September 16, 2022

FLEXES BETTER.

The TriStar XL is a game changer for large residential pools, feature-rich pools or complex pool pad configurations. Engineered for performance and versatility, the TriStar XL delivers increased flow from extra-large 2.5" x 3" unions, the removable strainer housing allows for more adaptable pump configurations, and the oversized strainer basket reduces cleaning and maintenance.

POWERFUL DESIGN. VERSATILE PERFORMANCE.



TRISTAR® XL HIGH PERFORMANCE
VARIABLE-SPEED PUMP

HIGHEST
IN CLASS
WEF

Scan the code to
learn more.

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We Build Better.®

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TriStar® XL

ULTRA-HIGH EFFICIENCY PUMPS



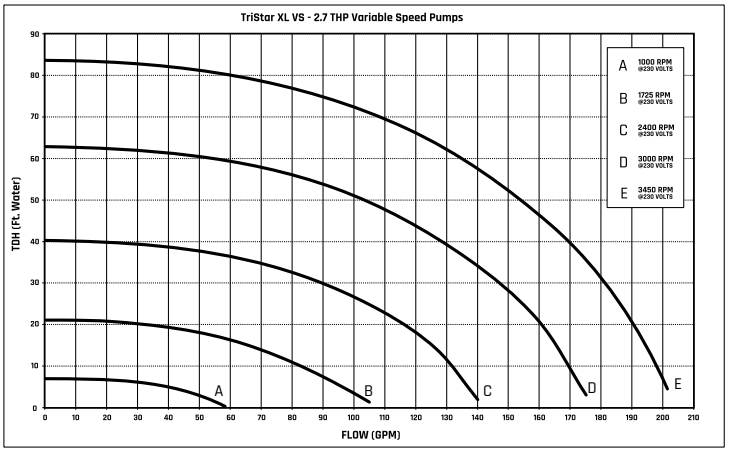
TriStar XL Pump and Strainer Basket

TriStar XL Pump Buying Guide

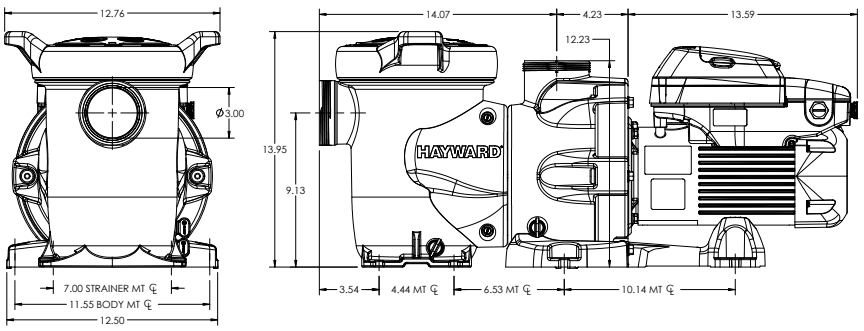
Model Number	Total H.P.	WEF	Union Connections	Voltage at 60 Hz	Ctn. Qty.	Ctn. Weight
HCP3020VSP	2.7	7.2/9.9	2.5" x 3"	230/115	1	65 lbs.

NOTE: Extended Warranty is 4 years

Performance Data – TriStar XL VS



Overall Dimensions (inches)



Powerful Design. Versatile Performance.

The TriStar XL is a game changer for large residential pools, feature-rich pools or complex pool pad configurations. Engineered for performance and versatility, the TriStar XL delivers increased flow from extra-large 3" unions, the removable strainer housing allows for more adaptable pump configurations, and the oversized strainer basket reduces cleaning and maintenance.

Applications

- In-ground pools
- In-ground spas

Features

- Versatile strainer housing and motor can be plumbed separate for complex pool pad configurations*
- Removable, oversized strainer basket for reduced cleaning and maintenance
- Increased flow from included 3" unions
- 2.5" x 3" unions for easy drop-in replacement
- WEF 9.9 rating that blows the competition out of the water
- Easy pump control from digital touchscreen interface
- Remote pump control with Omni® automation to manage speed, scheduling and more
- Digital control interface that can be rotated or wall-mounted
- Totally enclosed fan-cooled (TEFC) motor maximizes energy efficiency
- Chemical-resistant Viton® seal for long-term durability
- ENERGY STAR approved – may be eligible for local utility rebates
- 4-year warranty

*Flange Kit sold separately

Performance Data – HCP3020VSP*

	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)						
RPM	30 ft	40 ft	50 ft	60 ft	70 ft	80 ft	90 ft
3450	182	170	151	133	109	51	40
3000	160	128	104	49	—	—	—
2400	90	21	—	—	—	—	—

NOTE: *For 230V

For replacement parts see page 145.

TriStar® VS 900/950 Omni®

ULTRA-HIGH EFFICIENCY PUMPS WITH SMART POOL CONTROL

Hayward VS Omni ultra-high efficiency pumps provide next generation energy efficiency plus smart control of the entire pad including pumps, heaters, lighting, salt systems, cleaners, water features, and spa settings. Each model is supplied with everything needed to install smart pool control: VS Control Pad, Hub, and a Smart Relay. Up to two additional Smart Relays can be purchased for even more control including booster pumps, cleaner, backyard lighting, and water features.

TriStar VS 900/950 VS Omni pumps are the ideal combination of energy efficiency and smart pool control. They feature a Viton® seal for long-lasting performance.

Applications

- In-ground pools
- In-ground spas

Features

- Fast and easy installation for both existing and new pools
- Provides smartphone control for the entire pad
- Up to two additional Smart Relays (HLH485RELAY) can be added for even more control options
- The most energy efficient pumps of any leading brand – saves up to $1500 in energy costs each year*
- Advanced, chemical-resistant Viton seal enhances durability in all environments
- An additional base is included to allow simple retrofit upgrades for Pentair® WhisperFlo® models

*Savings compared to a single speed pump running 12 hours per day, on a 20,000 gallon pool, at an average electrical rate of $0.15/kWh. Actual savings may vary.



TriStar VS 900 Omni and TriStar VS 950 Omni Ultra-High Efficiency Pumps

TriStar VS 900/950 Omni Specifications

Model Number	Total H.P.	WEF	Speed Range RPM	Voltage at 60 Hz	Union Connections	Ctn. Qty.	Ctn. Weight
TriStar VS 900							
HL32900VSP*	1.85	8.3/12.9	600–3450	230/115	2" x 2 ½"	1	70 lbs.
TriStar VS 950							
HL32950VSP*	2.70	7.3/10.1	600–3450	230/115	2" x 2 ½"	1	83 lbs.

NOTE: *Extended Warranty for HL32950VSP is 4 years and HL32900VSP is 3 years.

Performance Data – TriStar VS 900 Omni*

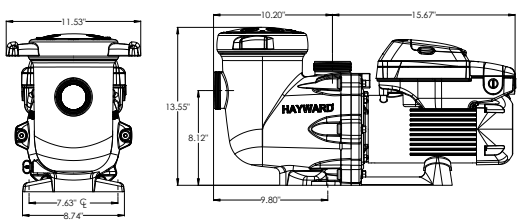
RPM	Percent Output	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)						
		10 ft	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft
1375	40%	29	—	—	—	—	—	—
1725	50%	55	—	—	—	—	—	—
2075	60%	76	52	—	—	—	—	—
2425	70%	94	77	54	—	—	—	—
2750	80%	111	97	80	58	—	—	—
3100	90%	128	116	103	87	67	34	—
3450	100%	145	134	123	110	96	78	54

Performance Data – TriStar VS 950 Omni*

RPM	Percent Output	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)							
		10 ft	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft	80 ft
1375	40%	51	—	—	—	—	—	—	—
1725	50%	80	42	—	—	—	—	—	—
2075	60%	100	82	41	—	—	—	—	—
2425	70%	117	110	90	56	—	—	—	—
2750	80%	133	133	118	100	73	—	—	—
3100	90%	149	149	144	130	117	91	36	—
3450	100%	194	184	172	160	146	130	110	84

NOTE: *For 230V

Overall Dimensions (inches) TriStar VS 900/950 Omni



For replacement parts see page 147.

TriStar® VS 900 & TriStar® VS 950

ULTRA-HIGH EFFICIENCY PUMPS

EXPERT LINE



TriStar VS 900 and TriStar VS 950 Ultra-High Efficiency Pumps

Hayward TriStar® VS ultra-high efficiency pool pumps are the most efficient pumps in their class. The 900 and 950 models go even further, offering unique features such as a Viton® pump seal and extended warranties. Tests prove they can save pool owners up to 90% on energy costs compared to single-speed pumps.

Applications

- In-ground pools
- In-ground spas

Features

- Extended-life Viton pump seal for improved resistance against chemical imbalances
- Best-in-class energy efficiency via industry leading hydraulic design plus super-efficient permanent magnet motor saves up to $1,500* in energy costs year after year.
- Easily installed in all applications: in standalone mode, with Hayward automation systems or with competitors' systems via relay control
- Fully programmable and rotatable digital interface with up to 8 custom timer functions
- Second base included to align with Pentair® WhisperFlo® for simple retrofit upgrades
- A separate base is also available (SPX3200SR) to align with Sta-Rite®, Max-E-Pro®, Max-E-Glas® or Dura-Glas®.

*Savings compared to a single speed pump running 12 hours per day, on a 20,000 gallon pool, at an average electrical rate of $0.15/kWh. Actual savings may vary based on comparison pump model, hours of operation, electrical rate and other hydraulic aspects such as plumbing size and length.

TriStar VS 900 and TriStar VS 950 Buying Guide

Model Number	Total H.P.	WEF	Speed Range RPM	Voltage at 60 Hz	Union Connections	Ctn. Qty.	Ctn. Weight
TriStar VS 900							
SP32900VSP*	1.85	8.3/12.9	600–3450	230/115	2" x 2 ½"	1	52 lbs.
TriStar VS 950							
SP32950VSP*	2.70	7.3/10.1	600–3450	230/115	2" x 2 ½"	1	65 lbs.

NOTE: *Extended Warranty for SP32950VSP is 4 years and SP32900VSP is 3 years.

Performance Data – TriStar VS 900*

		Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)						
RPM	Percent Output	10 ft	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft
1375	40%	29	—	—	—	—	—	—
1725	50%	55	—	—	—	—	—	—
2075	60%	76	52	—	—	—	—	—
2425	70%	94	77	54	—	—	—	—
2750	80%	111	97	80	58	—	—	—
3100	90%	128	116	103	87	67	34	—
3450	100%	145	134	123	110	96	78	54

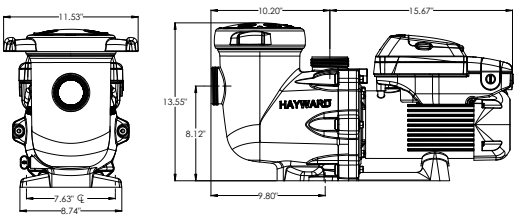
Performance Data – TriStar VS 950*

		Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)							
RPM	Percent Output	10 ft	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft	80 ft
1375	40%	51	—	—	—	—	—	—	—
1725	50%	80	42	—	—	—	—	—	—
2075	60%	100	82	41	—	—	—	—	—
2425	70%	117	110	90	56	—	—	—	—
2750	80%	133	133	118	100	73	—	—	—
3100	90%	149	149	144	130	117	91	36	—
3450	100%	194	184	172	160	146	130	110	84

NOTES: *For 230V

For complete pump performance curves see page 25.

Overall Dimensions (inches) TriStar VS 900 and 950



For replacement parts see page 147.

TriStar XE ultra-high efficiency pumps are built to deliver maximum energy savings while cutting equipment costs by more than a third. With selectable speed options, pool owners can customize their pump settings (and savings) without having to pay for more options than they need. With its easy installation, dual-voltage capability and durable design that's up to 30% lighter than competitive VS models, TriStar XE is the best way to install a pump that complies with Dept. of Energy regulations in any new or existing pool.

Applications

- In-ground pools
- In-ground spas

Features

- Industry-leading efficiency exceeds DOE benchmarks and efficiency of many competitive VS pumps
- Easily programmable with up to 6 selectable speeds
- Dual-voltage capability (230V/115V) offers more versatility for installation
- Chemical-resistant Viton® seal offers improved resistance against chemical imbalances
- Simple installation includes standard 2" x 2.5" CPVC unions and doesn't require any additional equipment

Performance Data

Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft
SP3207X10XE	99	90	78	66	46	15
SP3210X15XE	132	123	110	97	80	55
SP3215X20XE (230V)	150	146	140	128	110	94

NOTE: For complete pump performance curves see page 26.



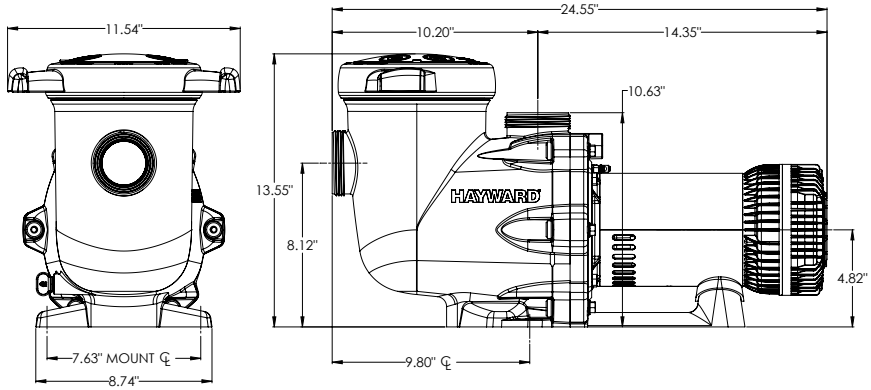
TriStar XE Pump

TriStar XE Pump Buying Guide

Model Number	Total H.P.	WEF	Speed Range	Voltage at 60 Hz	Ctn. Qty.	Ctn. Weight
SP3207X10XE*	1.25	9.3/9.3	40–100%	230/115	1	40 lbs.
SP3210X15XE*	1.85	8.5/8.4	40–100%	230/115	1	40 lbs.
SP3215X20XE*	2.25	7.2/8.7	40–100%	230/115	1	41 lbs.

NOTE: *Extended Warranty is 3 years

Overall Dimensions (inches)



TriStar®

HIGH EFFICIENCY PUMPS

EXPERT LINE



TriStar Pump

The TriStar Pump from Hayward features the industry's most energy efficient hydraulics. Easy to install, service and maintain, TriStar outperforms the competition when it comes to flow, efficiency and value. It's the first to feature a large, no-rib strainer basket design that's quick and easy to clean.

Applications

- In-ground pools of all types and sizes (including in-floor cleaning systems, solar heating systems, water features)
- In-ground spas or in-ground pool/spa combinations
- Fountains

Features

- Higher flow rates can allow for stepping down in pump horsepower compared to less efficient pump models
- 2" x 2 1/2" union connections make installation and servicing fast and easy
- No-rib basket design insures easy debris removal. Extra leaf-holding capacity extends time between cleanings
- Pressure testable to 50 psi maximum
- Self-priming (suction lift up to 10' above water level

TriStar Buying Guide

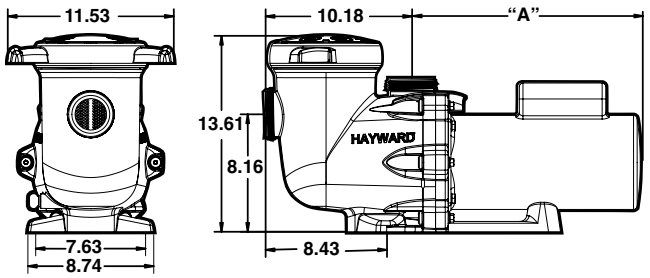
Model Number	Total HP	WEF	Voltage at 60 Hz	Union Connections	Dim "A"	Ctn. Qty.	Ctn. Weight
SP3200X10	1.1	4.0	115/208-230	2" x 2 ½"	13 ⅝"	1	42 lbs.
SP3250EE	5.0	1.7	208-230	2" x 2 ½"	17 ⅛"	1	66 lbs.

Performance Data

	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)								
Model No.	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft	80 ft	90 ft	100 ft
SP3200X10	87	76	62	45	8	—	—	—	—
SP3250EE	240	227	213	193	182	168	150	118	80

NOTE: For complete pump performance curves see page 25.

Overall Dimensions (inches)



For replacement parts see pages 150, 151.

Super Pump® VS 700 (Omni®)

ULTRA-HIGH EFFICIENCY PUMPS

Super Pump® VS 700 is a simple drop-in upgrade for Super Pump single-speed pumps up to 1.5 HP. Built with dual voltage capability, it offers the savings of a VS pump without requiring costly rewiring. Built with a chemical-resistant Viton® seal and accompanied by a 3-year extended warranty, Super Pump VS 700 offers powerful protection for years of reliable performance.

Hayward VS Omni ultra-high efficiency pumps provide next generation energy efficiency plus smart control of the entire pad including pumps, heaters, lighting, salt systems, cleaners, water features, and spa settings. Each model is supplied with everything needed to install smart pool control: VS Control Pad, Hub, and a Smart Relay. Up to two additional Smart Relays can be purchased for even more control including booster pumps, cleaner, backyard lighting, and water features.

Applications

- In-ground pools
- In-ground spas

Features

- Delivers up to 80% energy savings*
- Fast and easy installation for both existing and new pools
- Dual-voltage motor drive maintains optimal operating efficiency for long-lasting performance
- Advanced, chemical-resistant Viton seal enhances durability in all environments
- VS Omni model provides smartphone control for the entire pad
- Up to two additional Smart Relays (HLH485RELAY) can be added for even more control options

*Actual savings may vary based on comparison pump model, hours of operation, electrical rate and other hydraulic aspects such as plumbing size and length.

Performance Data*

RPM	Percent Output	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
		10 ft	20 ft	30 ft	40 ft	50 ft	60 ft
1725	50	34	—	—	—	—	—
2400	70	62	47	18	—	—	—
3000	87	84	73	60	45	—	—
3450	100	100	90	80	69	56	34

NOTE: *230V



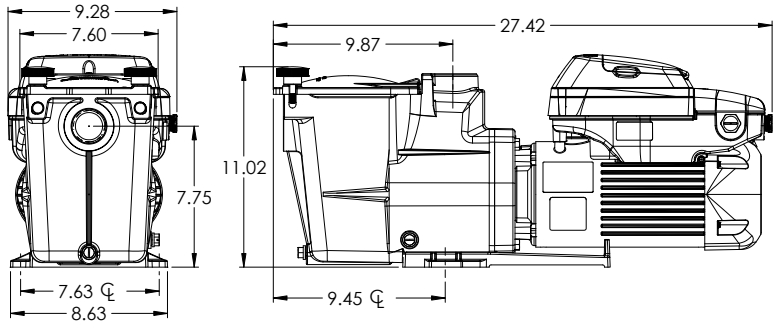
Super Pump VS 700 Omni

Super Pump VS 700 Specifications

Model Number	Total H.P.	WEF	Speed Range RPM	Voltage at 60 Hz	Port Size	Smart Pool Control	Ctn. Qty.	Ctn. Weight
HL2670020VSP*	1.65	8.6/11.7	600–3450	230/115	1 ½"	Yes	1	63 lbs.
SP2670020VSP*	1.65	8.6/11.7	600–3450	230/115	1 ½"	No	1	63 lbs.

NOTE: *Extended Warranty is 3 years

Overall Dimensions (inches)



For replacement parts see page 155.

Super Pump® XE

ULTRA-HIGH EFFICIENCY PUMPS

EXPERT LINE



Super Pump XE

Hayward Super Pump sets the industry standard for excellence and value—and new Super Pump XE is no exception. Offering energy efficiency that outperforms Dept. of Energy standards while cutting pump equipment costs by almost a third, Super Pump XE is the just-right pump for just about any pool. With its easy installation, dual-voltage capability and durable design that's up to 30% lighter weight than competitive VS models, it's the most versatile option for unmatched value.

Applications

- In-ground pools
- In-ground spas

Features

- Industry-leading efficiency exceeds DOE benchmarks and efficiency of many competitive VS pumps
- Easily programmable with up to 6 selectable speeds
- Dual-voltage capability (230V/115V) offers more versatility for installation
- Chemical-resistant Viton® seal offers improved resistance against chemical imbalances
- Simple installation with up to 2" shorter length than single-speed models and no additional equipment requirements

Super Pump XE Buying Guide

Model Number	Total H.P.	WEF	Speed Range	Voltage at 60 Hz	Ctn. Qty.	Ctn. Weight
SP2610X15XE*	1.65	8.3/8.3	40–100%	230/115	1	34 lbs.
SP2615X20XE*	2.25	8.0/7.9	40–100%	230/115	1	37 lbs.

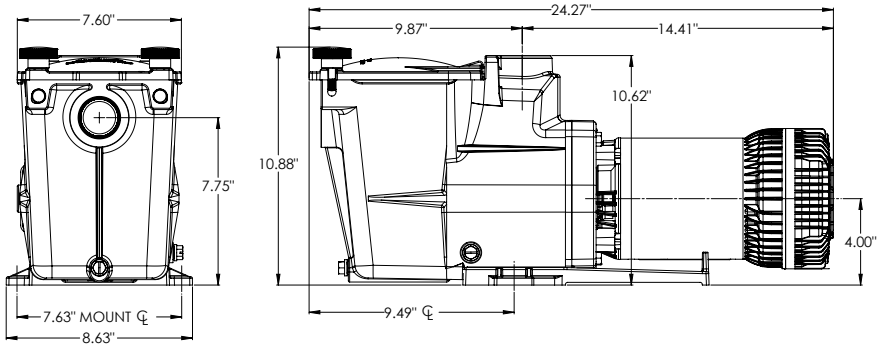
NOTE: *Extended Warranty is 3 years

Performance Data

Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	40 ft	50 ft	60 ft	70 ft	80 ft	90 ft
SP2610X15XE	105	92	80	65	47	—
SP2615X20XE (230V)	126	112	99	85	68	43

NOTE: For complete pump performance curves see page 26.

Overall Dimensions (inches)



For replacement parts see page 156.

Efficient. Dependable. Proven. The Super Pump has all the quality features you expect from Hayward. For aftermarket and new pool installations, the Super Pump sets the standard of excellence and value.

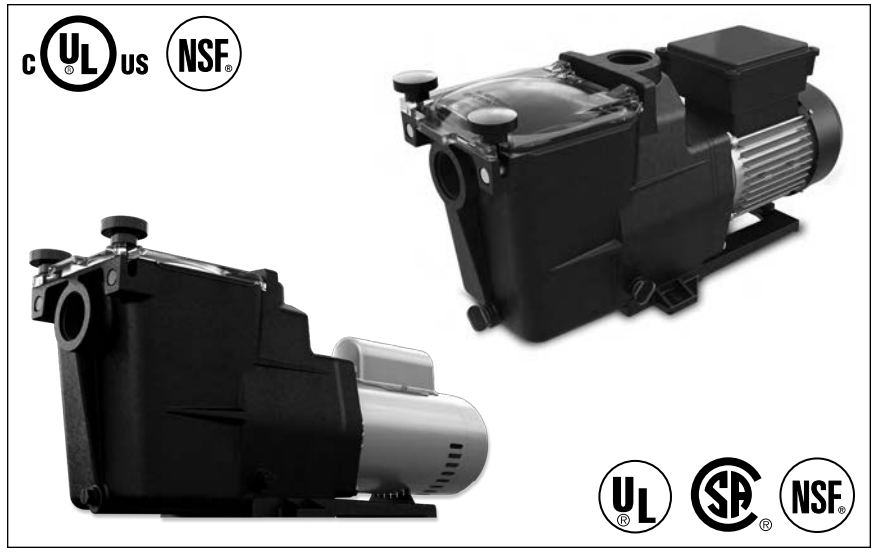
Super Pump 700 is upgraded with an exclusive totally enclosed fan-cooled (TEFC) motor for added reliability. The updated design of the TEFC motor and the top-mount wiring compartment also provide up to 5 inches of extra space, making installation faster and easier than ever—especially in small pool pads.

Applications

- In-ground pools of all types and sizes
- In-ground spas

Features

- Heavy-duty, high-performance motor for quieter, cooler operation
- Exclusive swing-away hand knobs for easier strainer cover removal: no tools required . . . no loose parts . . . no clamps
- 110-cubic-inch basket has extra leaf-holding capacity; load-extender ribbing ensures free flowing operation
- See-through strainer cover lets you see when the basket needs to be cleaned



Super Pump (bottom) **Super Pump 700 (top)**

Super Pump Buying Guide

Model Number	Total H.P.	WEF	Voltage at 60 Hz	Port Size	Dim. "A"	Ctn. Qty.	Ctn. Weight
Super Pump 700 Single Speed							
SP2670007X10	1.1	3.4	230/115	2"	13 1⁄8"	1	35 lbs.
Super Pump Single-Speed							
SP2600X5	0.60	4.3	115	2"	14 1⁄4"	1	29 lbs.
SP2605X7	0.85	3.9	230/115	2"	14 1⁄4"	1	32 lbs.
SP2607X10	1.1	3.4	230/115	2"	14 1⁄2"	1	35 lbs.
Super Pump Two-Speed							
SP2607X102S	1.0	4.5	230	2"	13 3⁄8"	1	39 lbs.

NOTE: Dual-speed pumps with "S" designation include "Hi/Lo" manual switch.

Performance Data

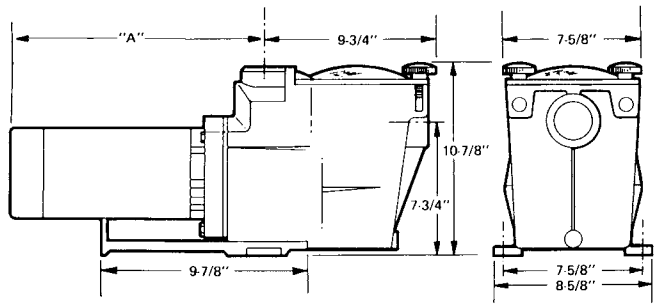
	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
Model No.	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft
SP2600X5	48	38	23	—	—	—
SP2605X7	61	52	41	25	—	—
SP2607X10	74	64	54	40	13	—
SP2670007X10	74	64	54	40	13	—

Performance Data – Low Speed

	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
Model No.	5 ft	10 ft	15 ft	20 ft	25 ft	30 ft
SP2607X102S	44	31	5	—	—	—

NOTE: For complete pump performance curves see page 22.

Overall Dimensions (inches)



For replacement parts see pages 159–160.

MaxFlo VS® 500 (Omni®)

ULTRA-HIGH EFFICIENCY PUMPS

EXPERT LINE



MaxFlo VS 500 Omni

MaxFlo VS 500 is a drop-in upgrade for MaxFlo models up to 1.5 HP. It features a new upgraded dual-voltage motor drive that delivers significantly quieter high-speed operation while maintaining optimal operating efficiency with increased reliability and product longevity. Also, a Viton® seal for long-lasting performance.

Hayward VS Omni ultra-high efficiency pumps provide next generation energy efficiency plus smart control of the entire pad including pumps, heaters, lighting, salt systems, cleaners, water features, and spa settings. Each model is supplied with everything needed to install smart pool control: VS Control Pad, Hub, and a Smart Relay. Up to two additional Smart Relays can be purchased for even more control including booster pumps, cleaner, backyard lighting, and water features.

MaxFlo VS 500 Specifications

Model Number	Total H.P.	WEF	Speed Range RPM	Voltage at 60 Hz	Port Size	Smart Pool Control	Ctn. Qty.	Ctn. Weight
HL2350020VSP*	1.65	10.2/10.7	600–3450	230/115	1 ½" x 2"	Yes	1	63 lbs.
SP23520VSP*	1.65	10.2/10.7	600–3450	230/115	1 ½" x 2"	No	1	63 lbs.

NOTE: *Extended Warranty is 3 years

Applications

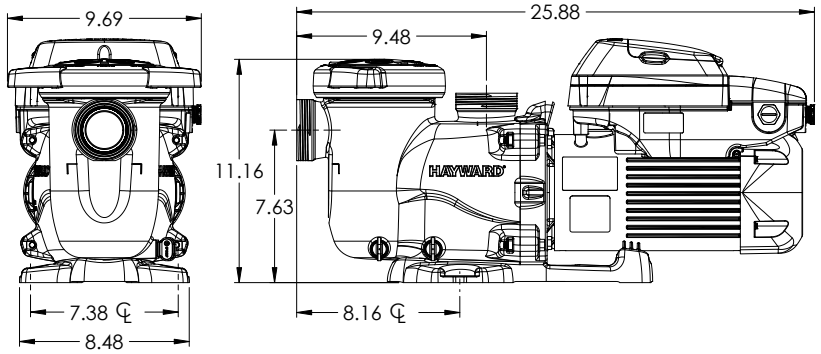
- In-ground pools
- In-ground spas

Features

- Delivers up to 80% energy savings*
- Dual-voltage motor drive maintains optimal operating efficiency for long-lasting performance
- Advanced, chemical-resistant Viton seal enhances durability in all environments
- VS Omni model provides smartphone control for the entire pad
- Up to two additional Smart Relays (HLH485RELAY) can be added for even more control options

*Actual savings may vary based on comparison pump model, hours of operation, electrical rate and other hydraulic aspects such as plumbing size and length.

Overall Dimensions (inches)



Performance Data*

RPM	Percent Output	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)				
		10 ft	20 ft	30 ft	40 ft	50 ft
1725	50	30	—	—	—	—
2400	70	59	40	—	—	—
3000	87	80	68	52	27	—
3450	100	96	85	73	59	40

NOTE: *For 230V

For replacement parts see page 161.

For pool owners looking for impressive energy savings in a pump that costs a lot less, MaxFlo XE ultra-high efficiency pumps are a great find. Selectable speed options create powerful cost savings without a lot of hassle. With its easy installation, dual-voltage capability and durable design that's up to 30% lighter weight than competitive VS models, MaxFlo XE is the best way to install an affordable pump that complies with Dept. of Energy regulations in any new or existing pool.

Applications

- In-ground pools
- In-ground spas

Features

- Industry-leading efficiency exceeds DOE benchmarks and efficiency of many competitive VS pumps
- Easily programmable with up to 6 selectable speeds
- Dual-voltage capability (230V/115V) offers more versatility for installation
- Chemical-resistant Viton® seal offers improved resistance against chemical imbalances
- Simple installation with up to 2" shorter length than single-speed models, standard 1.5" x 2" unions and no additional equipment requirements

Performance Data

Max Rated Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft
SP2310X15XE	84	73	58	39	—	—
SP2315X20XE	109	98	85	69	40	—

NOTE: For complete pump performance curves see page 26.



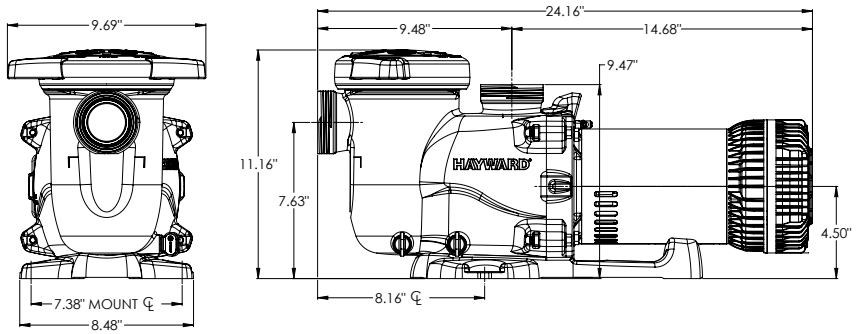
MaxFlo XE

MaxFlo XE Buying Guide

Model Number	Total H.P.	WEF	Speed Range	Voltage at 60 Hz	Ctn. Qty.	Ctn. Weight
SP2310X15XE*	1.65	9.7/9.7	40–100%	230/115	1	37 lbs.
SP2315X20XE*	2.25	8.4/8.7	40–100%	230/115	1	37 lbs.

NOTE: *Extended Warranty is 3 years

Overall Dimensions (inches)



For replacement parts see page 163.

MaxFlo® XL

HIGH EFFICIENCY PUMPS

EXPERT LINE



MaxFlo XL Pump

MaxFlo XL is the most energy efficient pump in its class, combining incredible economy and performance. MaxFlo XL physically aligns with the entire MaxFlo family of pumps for seamless retrofit installations. Features such as union connections and a high efficiency hydraulic design make MaxFlo XL an outstanding choice for both new pool and aftermarket installations.

Applications

- In-ground pools of all types and sizes
- In-ground spas

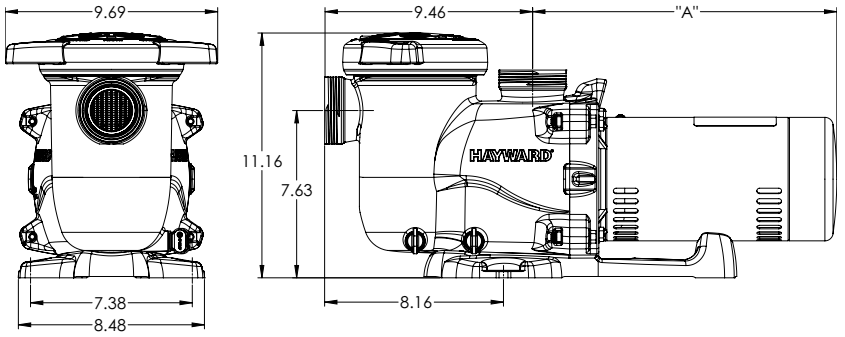
Features

- Advanced hydraulics for increased efficiency and priming ability
- Aligns with the entire MaxFlo line for seamless retrofit installations
- All models include 1 1/2" x 2" union connections
- Extra leaf-holding capacity basket extends time between cleaning
- See-through strainer cover lets you see when the basket needs cleaning
- Pressure testable to 50 psi maximum
- Self-priming (suction lift up to 8' above water level)

MaxFlo XL Pump Buying Guide

Model Number	Total H.P.	WEF	Voltage at 60 Hz	Union Connections	Dim. "A"	Ctn. Qty.	Ctn. Weight
SP2305X7	0.95	4.3	115/208-230	1 ½" x 2"	13 ¾"	1	34 lbs.
SP2307X10	1.25	3.8	115/208-230	1 ½" x 2"	14 ¼"	1	37 lbs.

Overall Dimensions (inches)



Performance Data

Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft
SP2305X7	65	55	43	26	—	—
SP2307X10	80	70	57	41	9	—

NOTE: For complete pump performance curves see page 27.

For replacement parts see page 164.

Booster Pump 300

HIGH EFFICIENCY PUMPS

Engineered to provide the same quiet operation and reduced electricity requirements as our standard Booster Pump, the Booster Pump 300 also comes with a totally enclosed fan-cooled (TEFC) motor, hose kit, and a 2-year extended warranty for increased peace of mind.

Features

- Suitable for all pressure cleaners requiring a booster pump
- TEFC motor delivers added reliability and easily accessible top-mount wiring compartment
- 3/4" retrofit hose kit included
- 3/4" hose barb union adapters allow for easy retrofit to existing installations using flexible hose for booster pump connections
- 1 1/2" plumbing union fittings improve performance and allows easy installation and removal



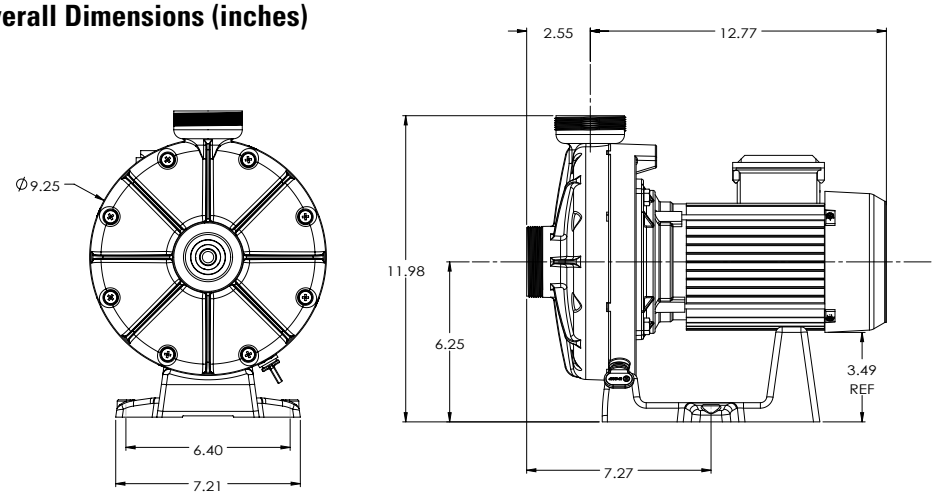
Booster Pump 300

Booster Pump 300 Buying Guide

Model Number	Total H.P.	WEF	Voltage at 60 Hz	Ctn. Qty.	Ctn. Weight
HSP30060*	1.25	0.6	115/208-230	1	31 lbs.

NOTE: *Extended Warranty is 2 years

Overall Dimensions (inches)



For replacement parts see page 166.

PowerFlo Matrix®

ABOVE-GROUND PUMP SERIES



SP1592 1 H.P. PowerFlo Matrix Pump (Inset: Horizontal/Vertical Discharge feature)

The PowerFlo Matrix has been engineered as a uniquely superior above-ground pool pump. With a single push of a button, this truly versatile pump changes from a vertical to a horizontal discharge and back again.

It's large profile and integrated styling makes the PowerFlo Matrix an above-ground pool pump like no other.

Applications

- Above-ground/on-ground pools

Pump Features

- On/Off switch
- Massive size strainer basket for large debris collection with minimal maintenance
- Horizontal/vertical discharge feature — simply converts from vertical to horizontal discharge orientation with the press of a button
- Quick disconnect intake and discharge pipe connection
- C-Clip Connector allows for easy disengagement of strainer housing in a matter of seconds for hassle-free maintenance
- High flow impeller with wide openings to prevent clogging by leaves and debris
- Integral drain plug for easy winterization of pump

PowerFlo Matrix Pump Buying Guide — EXPERT LINE

Model Number	Total H.P.	WEF	Voltage at 60 Hz	Port Size	Dim. "A"	Cord Size	Ctn. Qty.	Ctn. Weight
PowerFlo Matrix Series								
SP1592	1	3.4	115	1 ½"	11 ⅜"	6'	1	25 lbs.
SP15922S	1-2spd	5.7	115	1 ½"	11 ⅜"	6'	1	25 lbs.
SP1592TL	1	3.4	115	1 ½"	11 ⅜"	3'	1	25 lbs.
SP1593	1 ½	3.5	115	1 ½"	12"	6'	1	26 lbs.
SP15932S	1 ½-2spd	5.7	115	1 ½"	12"	6'	1	26 lbs.
SP1593TL	1 ½	3.5	115	1 ½"	12"	3'	1	26 lbs.

"TL" pump includes 3' twisting lock cord.

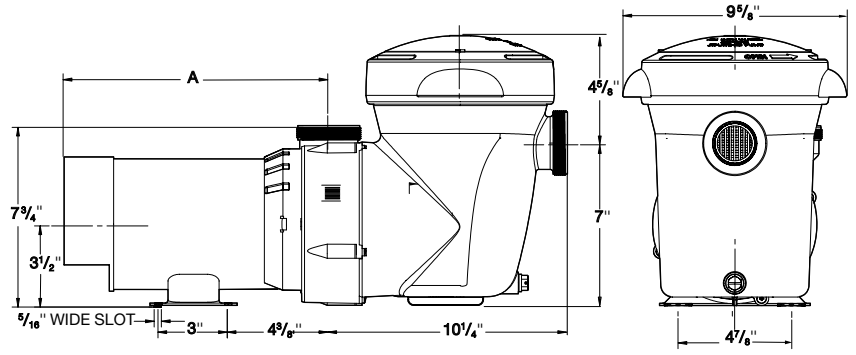
Optional Accessories — **OPEN LINE**

Model Number	Description	Ctn. Qty.	Ctn. Weight
SP1500UNPAK2	Set of two (2) quick connect unions	50	32 lbs.

Performance Data

	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
Model Number	10 ft	20 ft	30 ft	40 ft	50 ft	30 ft
SP1592	86	86	75	58	27	—
SP1593	91	91	80	62	32	—

Overall Dimensions (inches)



For replacement parts see page 167.

PowerFlo® VS 300

ABOVE-GROUND VARIABLE-SPEED PUMP

PowerFlo® VS 300 is designed for maximum efficiency, providing up to 80% energy savings over single-speed pumps and paying for itself within two seasons of usage. Its ENERGY STAR® rating means local utility rebates may apply, too.

Quieter Than Ever

Minimize poolside noise and maximize relaxation with PowerFlo VS 300. Its variable speed drive provides incredibly quiet operation especially at lower, energy-saving speeds.

Operation Made Easy

PowerFlo VS 300 is equipped with a built-in controller and an LED screen and keypad for simple, intuitive operation.

Applications

- Above-ground/on-ground pools

Key Features

- ENERGY STAR approved – may be eligible for local utility rebates
- Permanent magnet, totally enclosed fan-cooled (TEFC) motor provides maximum energy efficiency and long-lasting performance
- Built-in controller features an LED screen and keypad for easy operation
- See-through strainer cover lets you see when the basket needs emptying



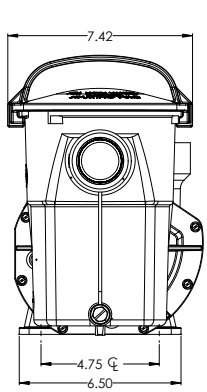
PowerFlo VS 300

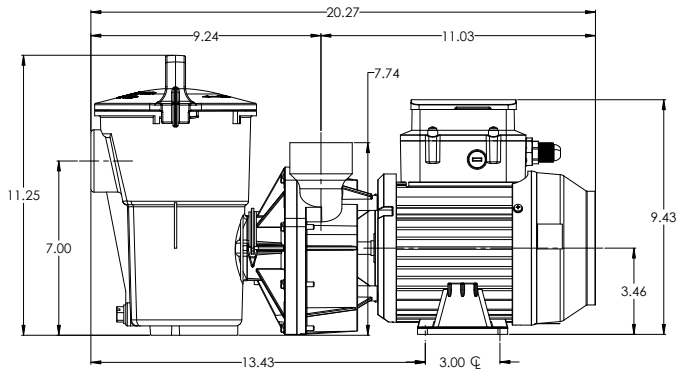
PowerFlo VS 300 Buying Guide

Model Number	Total H.P.	WEF	Speed Range RPM	Voltage at 60 Hz	Port Size	Cord Size	Ctn. Qty.	Ctn. Weight
SP1580X15VSP*	1.1	10.7	1000–3450	115	1 ½"	3'	1	25 lbs.

NOTE: *Extended Warranty is 2 years.

Overall Dimensions





For replacement parts see page 169.

PowerFlo® LX

ABOVE-GROUND PUMP SERIES

EXPERT LINE



SP1580 1 H.P. PowerFlo LX Pump

The PowerFlo LX pump series is designed for the rigors of above-ground and on-ground type swimming pools. Combining durable construction with advanced features and with proven features, PowerFlo LX sets the standard for value and performance.

Applications

- Above-ground/on-ground pools

Pump Features

- Durable housing for all-weather performance and quiet operation
- Clear cover lets you see when basket needs cleaning
- Drain plug for easy maintenance of pump

PowerFlo LX Pump Buying Guide

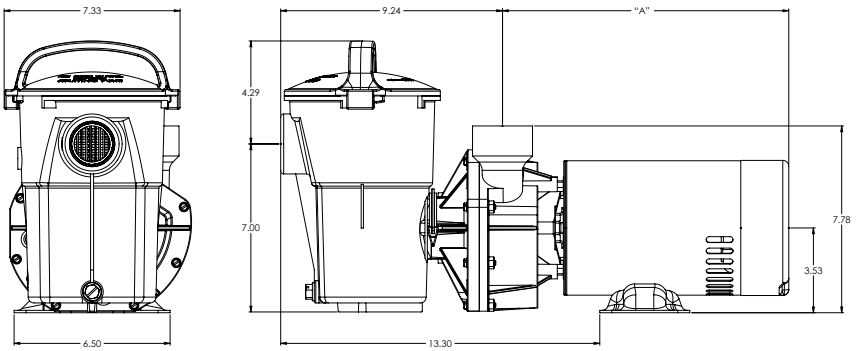
Model Number	Total H.P.	WEF	Voltage at 60 Hz	Port Size	Dim. "A"	Cord Size	Ctn. Qty.	Ctn. Weight
PowerFlo Series								
SP1540C	0.6	4.7	115	1 ½"	9 ⅞"	6'	1	22 lbs.
PowerFlo LX Series								
SP1580	0.85	3.8	115	1 ½"	10 ⅛"	6'	1	25 lbs.
SP1580TL	0.85	3.8	115	1 ½"	10 ⅛"	3'	1	25 lbs.
SP1580X15	1.1	3.9	115	1 ½"	10 ⅝"	6'	1	26 lbs.
SP1580X15TL	1.1	3.9	115	1 ½"	10 ⅝"	3'	1	26 lbs.

"TL" pump includes 3' twisting lock cord. UL

Performance Data

Model Number	Pump Output (GPM) vs. Total Resistance To Flow (Feet of Head)				
	10 ft	20 ft	30 ft	40 ft	50 ft
SP1580	86	86	75	58	27
SP1580X15	91	91	80	62	32

Overall Dimensions (inches)



For replacement parts see pages 168–170.

Hydraulics is the study and understanding of the behavior of liquids at rest and in motion. We are concerned with *water,* and the following characteristics of our application:

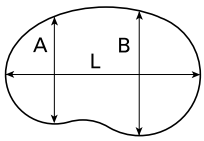
1. How much water do we have (Pool Capacity)?
2. How fast can we safely move the water (Turnover Rate and Water Velocity)?
3. How much resistance will this water meet while moving through the system (Friction Loss)?
4. How will we overcome this resistance (Pump/Filter Sizing)?

Following are step-by-step instructions to answer these four questions and ultimately determine the proper size pump or filter for virtually any installation. Below each step is a calculation based on the following example: 16 ft by 32 ft rectangular pool, 3 ft to 8 ft deep, 2" suction side and return side plumbing. Existing 1 H.P. pump; filter gauge reads 10 PSI (clean).

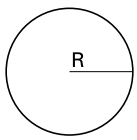
1. Pool Capacity

To determine total gallons, we must first calculate the surface area of the pool in square feet:

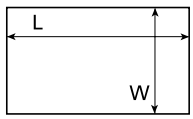
1A. Surface Area



Area = (A+B)x L x .45



Area = R x R x 3.14



Area = L x W

_____ ft^2
(surface area)

Surface Area: 16 ft x 32 ft = 512 ft^2

Next, multiply the surface area by the *average depth* to determine the appropriate *volume* of the pool.

1B. Average Depth

(_____ ft + _____ ft) ÷ 2 = _____ ft
(depth, shallow end) (depth, deep end) (average depth)

Average Depth = (3 ft + 8 ft) ÷ 2 = 5.5 ft

1C. Volume

_____ ft^2 x _____ ft = _____ ft^3
(surface area) (average depth) (volume)

Volume = 512 ft^2 x 5.5 ft = 2,816 ft^3

Next, multiply the pool's volume in ft^3 by 7.5 to get the pool capacity in gallons:

1D. Pool Capacity

_____ ft^3 x 7.5 gallons/ft^3 = _____ gallons
(volume) (pool capacity)

Pool Capacity = 2,816 ft^3 x 7.5 gallons/ft^3 = 21,120 gallons

Some of the more common pool sizes are:

Above-Ground Size	Gallons*
15 ft Round	5,293
18 ft Round	7,622
21 ft Round	10,374
24 ft Round	13,550
12 ft x 24 ft Rectangle	8,626
27 ft Round	17,149
*Average Depth: 4 ft	

In-Ground Size	Gallons*
12 ft x 24 ft Rectangle	11,861
16 ft x 32 ft Rectangle	21,086
18 ft x 36 ft Rectangle	26,687
20 ft x 40 ft Rectangle	32,947
*Average Depth: 5.5 ft	

2. Flow Rate

While the actual flow rate of a pump is based on the total resistance of the system as described below, the desired flow rate must be calculated to verify it will satisfy Turnover Rate and Water Velocity requirements.

2A. Turnover Rate

The turnover rate for a swimming pool is the amount of time required to circulate the entire volume of water through the system once to meet reasonably clean, safe water standards. Check with local regulations for the minimum required turnover rate.

Based on the pool's capacity and the desired turnover rate, the *minimum* rate at which the water must be circulated in Gallons Per Minute (GPM) is calculated as follows:

A. Minimum Flow in Gallons per Hour (GPH)

_____ gallons ÷ _____ hours = _____ GPH
(pool capacity) (desired turnover rate) (minimum flow, gallons per hour)

Minimum Flow: 21,120 gallons ÷ 10 hours (assumed) = 2,112 gallons per hour

B. Minimum Flow in Gallons per Minute (GPM)

_____ gallons per hour ÷ 60 minutes per hour = _____ GPM
(minimum flow, gallons per hour) (minimum flow, gallons per minute)

Minimum Flow: 2,112 gallons per hour ÷ 60 minutes per hour = 35 gallons per minute

2B. Water Velocity

The *maximum* recommended water velocity is six (6) or eight (8) feet per second for suction lines and ten (10) feet per second for return lines. Check with local regulations for the maximum water velocity for suction and return lines. The table below lists the *maximum* flow in GPM based on plumbing size and water velocity.

	Maximum Flow		
Pipe Size	**6.0 ft/sec**	**8.0 ft/sec**	**10.0 ft/sec**
1 ½"	38 GPM	51 GPM	63 GPM
2"	63 GPM	84 GPM	105 GPM
2 ½"	90 GPM	119 GPM	149 GPM
3"	138 GPM	184 GPM	230 GPM

Maximum Flow: 2" suction side plumbing at 6.0 ft/sec = 63 gallons per minute

2C. Desired Flow

The desired flow rate must be between the minimum flow based on the Turnover Rate and the maximum flow based on the Water Velocity. Note that if higher flow rates are needed, such as for water features, the maximum possible flow would have to be increased by using larger size plumbing (e.g. increase from 2" to 2 ½" plumbing). The use of branch (parallel) plumbing can also be used to reduce the flow and therefore plumbing size. Check with local regulations for proper plumbing sizing.

It is recommended to select a flow that is higher than the minimum to account for decrease in flow that naturally occurs as the filter is loaded with dirt and debris.

Minimum Flow (Turnover Rate): 35 GPM

Maximum Flow (Water Velocity): 63 GPM

Desired Flow: 50 GPM

3. Friction Loss (Head Loss)

Everything that the water must pass through within the circulation system — plumbing and equipment — creates resistance or Friction Loss (also referred to as Head Loss). The friction loss for standard plumbing supplies such as pipe, elbows, fittings, etc. can be found using published reference tables. Friction loss for equipment such as filters, heaters, and chlorination systems can be found in charts and/or curves provided by the manufacturer. The sum of all the resistance is called Total Dynamic Head (TDH) and is typically measured in Feet of Water or Feet of Head.

A properly sized pump will have the ability to overcome the Total Dynamic Head of the system while, at the same time, providing flow that will satisfy Turnover Rate and Water Velocity requirements.

For new installations, it is possible to calculate TDH by using reference tables and manufacturer's data to determine the friction loss associated with every component in the circulation system.

For existing installations, we are often unable to determine the total amount of pipe and fittings . . . it's underground. Therefore, what follows is a simplified "rule-of-thumb" means of determining Total Dynamic Head.

We will need to add the resistance from the vacuum (suction) side of the existing pump to the resistance of the pressure side of the pump. Note this assumes the Static Suction Lift (i.e. vertical distance from the center of the pump's impeller to the surface of the water) is offset by the water returning to the pool.

3A. Friction Loss (Vacuum)

_____ inches of mercury x 1.13 ft of water = _____ft of water
(vacuum reading) (total resistance, vacuum)

Typically, however, a vacuum reading will not be available, therefore, the table below provides Common Head Loss Factors for today's high-efficiency pumps.

Pump Size	Head Loss Factor*
3/4 H.P.	4.5 to 5.5 ft of water
1 H.P.	7 to 9 ft of water
1 1/2 H.P.	10 to 12.5 ft of water
2 H.P.	13.5 to 16 ft of water

*Assumes 2" suction line, not to exceed 40 ft long, minimal fittings, one (1) 2" valve and full-rated pumps.

Total Resistance (Vacuum): 9 ft of water (existing 1 H.P. pump)

3B. Friction Loss (Pressure)

_____ PSI x 2.31 ft of water / PSI = _____ ft of water
(filter pressure, clean) (total resistance, pressure)

Total Resistance (Pressure): 10 PSI x 2.31 ft of water / PSI = 23 ft of water

3C. Total Dynamic Head

_____ ft of water + _____ ft of water = _____ ft of water
(total resistance, vacuum) (total resistance, pressure) (total dynamic head)

Total Dynamic Head: 9 ft of water + 23 ft of water = 32 ft of water

4. Pump Sizing

We now have all the information necessary to select the proper size pump and/or filter and then proceed based on new vs. existing installations.

A pump's performance data is provided in GPM (output) vs. Feet of Head (resistance). The specific performance data for Hayward pumps can be found in the Pump Section of this Buyer's Guide.

4A. Pump Sizing, New Installations

For new installations, use the desired flow rate and Total Dynamic Head calculated from tables and manufacturer's data:

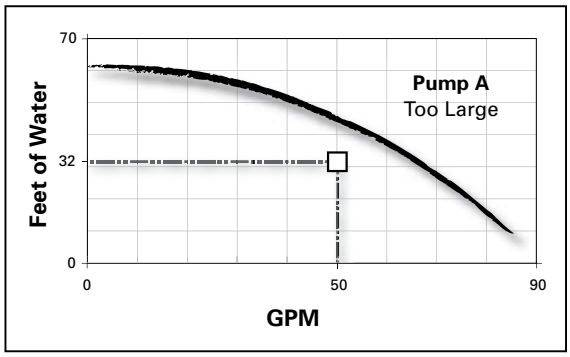
Desired Flow = _____ GPM

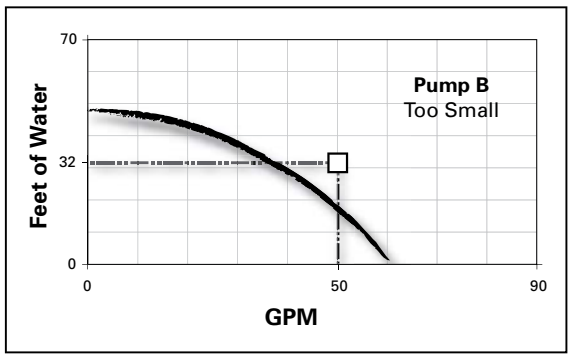
Total Dynamic Head = _____ ft of water

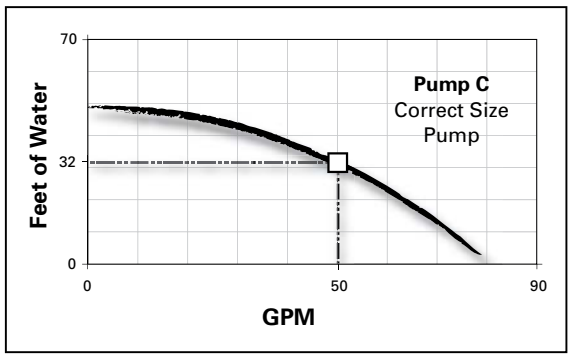
Using Hayward Pump Performance Curves or Tables, identify which pump's performance comes closest to matching the point where the Desired Flow intersects with the Total Dynamic Head.

Desired Flow: 50 GPM

Total Dynamic Head: 32 ft of water (assume to be the same as previously determined from Friction Loss calculations)







Installations

For existing installations, use the Total Dynamic Head calculated from the Friction Loss on the Vacuum and Pressure side of the pump.

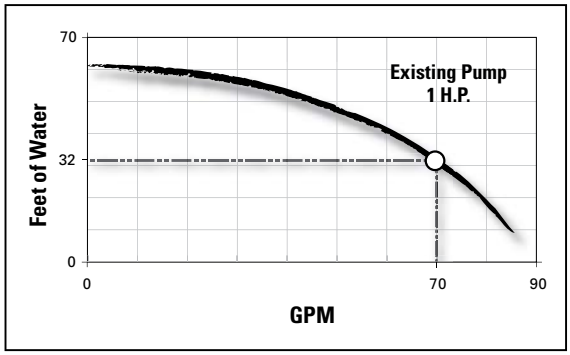
Total Dynamic Head = _____ ft of water

Using the manufacturer's performance curve for the existing pump, find the flow that corresponds to the Total Dynamic Head. This is the actual flow at which the pump is currently operating, which may or may not meet Turnover Rate and Water Velocity requirements. Verify the actual flow rate is between the minimum flow based on the Turnover Rate and the maximum flow based on the Water Velocity.

Total Dynamic Head: 32 ft of water

If the actual flow rate does not meet the Turnover Rate and Water Velocity requirements, you must either modify the system to add or remove restrictions (e.g. use less restrictive plumbing fittings and/or equipment) or vary the flow by changing size of the pump.

In the example below, the flow (70 GPM) that corresponds to 32 ft of water for the given pump exceeds the maximum flow based on the water velocity. The pump should be re-sized.



Important: if you increase or decrease the flow for any reason (e.g. change pump size), Friction Loss will increase or decrease respectively. *You should not read horizontally across the curve at the same Total Dynamic Head to choose another pump.* You must create a system curve based on the following relationship:

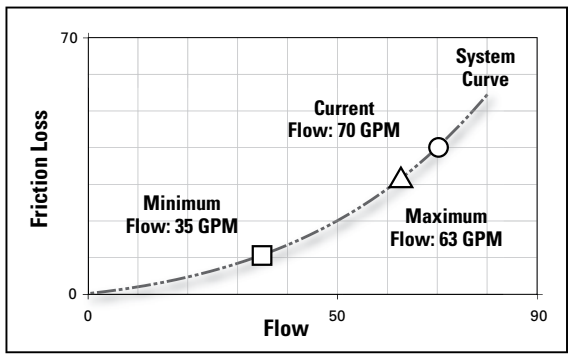
_____ ft of water x (_____ GPM ÷ _____ GPM)^2 = _____ ft of water
(current friction loss) (new flow rate) (current flow rate) (new friction loss)

Choose the minimum and maximum flow rates based on Turnover Rate and Water Velocity and calculate the corresponding friction loss using the formula above. Plot each combination of friction loss and flow to create the system curve.

Current Flow: 70 GPM (from chart for existing 1 H.P. pump shown above)
Current Friction Loss: 32 ft of water

Flow Rate per Turnover Requirement = 35 GPM
Friction Loss = (32 ft of water) x (35 GPM ÷ 70 GPM)^2 = 8 ft of water

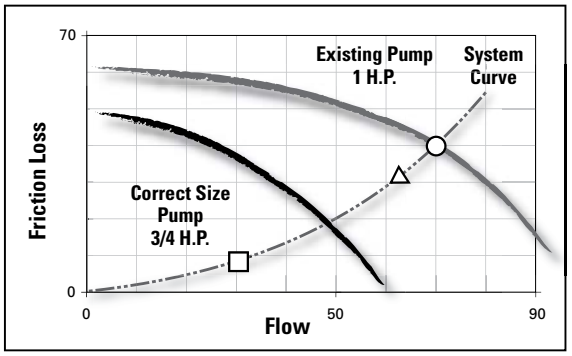
Flow Rate per Water Velocity Requirement = 63 GPM
Friction Loss = (32 ft of water) x (63 GPM ÷ 70 GPM)^2 = 26 ft of water



Hydraulics

THE BASICS OF PUMP/FILTER SIZING

The point where the performance curve for a particular pump intersects the system curve determines the flow and Total Dynamic Head where that pump will operate.



In this example, the flow for the 3/4 H.P. pump is between the minimum and maximum flow and is therefore properly sized for the application.

Saving Money by Saving Energy

Depending upon utility rates, pool characteristics, and equipment selected, the energy and dollar savings from an energy efficient single, two, or variable speed pump compared to a standard single speed pump can be quite significant.

For example, a system featuring an energy efficient high performance pump drawing 5.34 amps at 230 volts where the local utility rate is $0.12 per kWh will cost you approximately $1.78 over a 12 hour period per day. A standard pump drawing 7.0 amps will cost you approximately $2.32 per day or an extra $197 annually!

Use this worksheet to help determine your energy savings:

A. Motor Amp Rating	A
B. Voltage (e.g. 115 volts or 230 volts)	B
C. Local Energy Rate ($ per kWh)*	C
D. Approximate Power Usage (Watts) = A x B**	D
E. Kilowatts = D / 1000	E
F. $ per hour = E x C	F
G. Hours of Operation	G
H. Cost per Day = F x G	H
J. Monthly Cost = H x 30	J
K. Yearly Cost = H x number of months pool is in operation	K

NOTES: *Refer to your utility bill to determine local rate
**Estimated. It is recommended to use a wattmeter to determine the actual power consumption.

Visit hayward.com/energystar to calculate your local energy savings and learn more about energy efficient pump solutions.

4B. Filter Sizing

A filter, be it DE, sand, or cartridge, has a Design Flow Rate in GPM as well as a Turnover Capacity in Gallons. See the table below for example. The specific performance data for Hayward filters is provided in the Filter Section of this Buyer's Guide.

Select a filter that meets or exceeds *both* the desired flow rate and turnover capacity in gallons. Filtration is a category where truly "bigger is better" as a larger size will hold more debris and extend the time between cleaning.

Model Number	Effective Filtration Rate Area	Design Flow	Turnover Capacity (Gallons)	
			8 Hours	10 Hours
S180T	1.75 ft^2	35 GPM	16,800	21,000
S210T	2.20 ft^2	44 GPM	21,120	26,400
S220T/T2	2.64 ft^2	52 GPM	24,960	31,200
S244T/T2	3.14 ft^2	62 GPM	29,760	37,200
S270T/T2	3.70 ft^2	74 GPM	35,520	44,400
S310T2	4.91 ft^2	98 GPM	47,040	58,800
S360SX	6.50 ft^2	130 GPM	62,400	78,000

Desired Flow: 50 GPM
Turnover 21,120 gallons in 10 hours

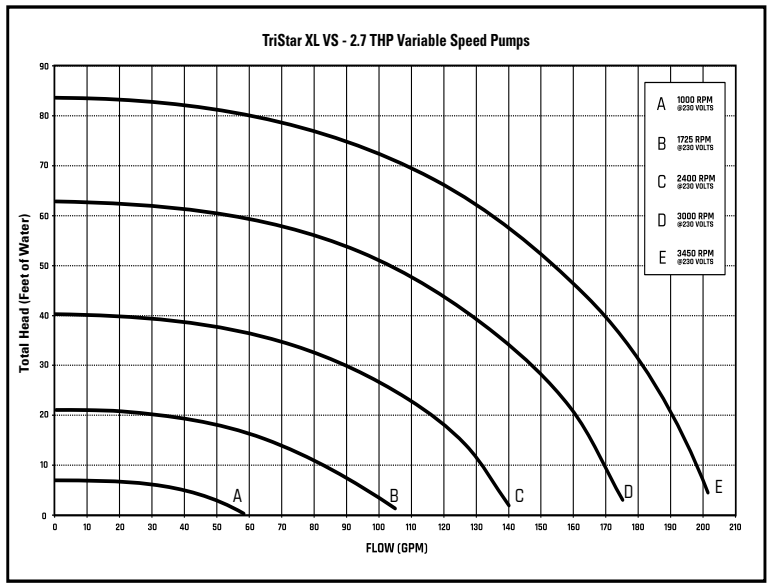
Select S220T (minimum to meet Desired Flow and Turnover)

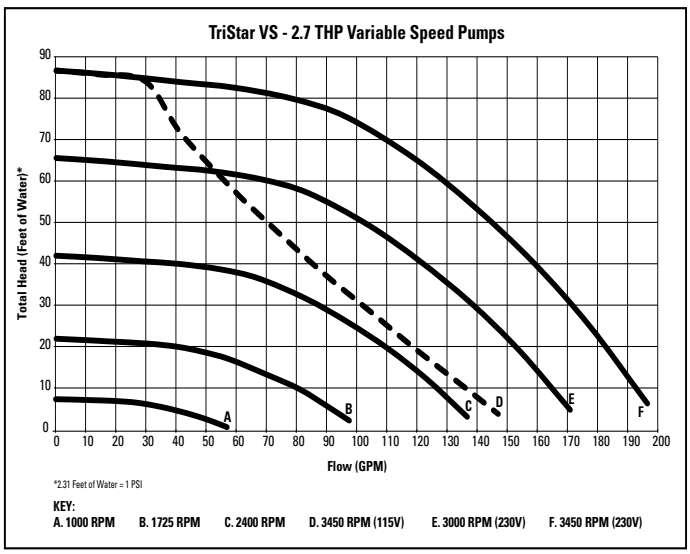
One additional factor to consider in filter sizing is bather load. Busier pools require larger filters. Also, larger filters provide longer cycles, reducing everyday maintenance required by the consumer during the pool season.

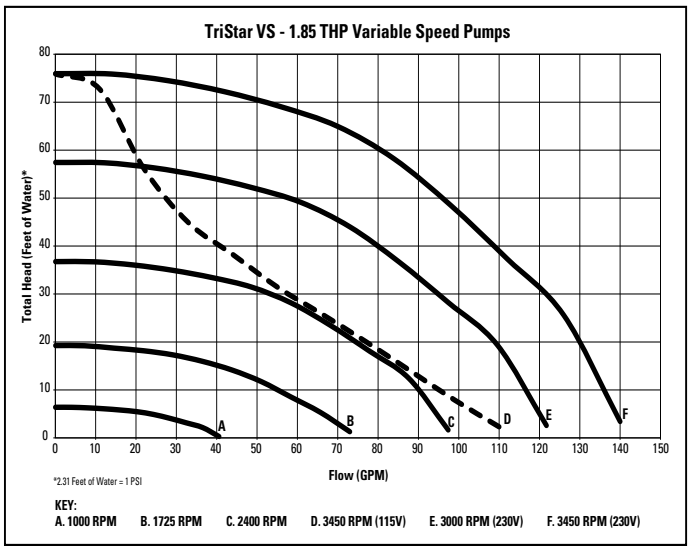
Summary

Using the information calculated above, you can properly size the pump, filter, and corresponding equipment, assuring you meet Turnover Rate and Water Velocity requirements while eliminating the electrical waste and potential damage to other system components associated with a needlessly oversized pump.

Below are the Performance Curves for Hayward In-Ground Pumps in Flow (measured in Gallons per Minute) and Total Dynamic Head (measured in Feet of Water). See "Pump Sizing" on p. 21–24 for tips to properly size pumps for both new and existing installations.



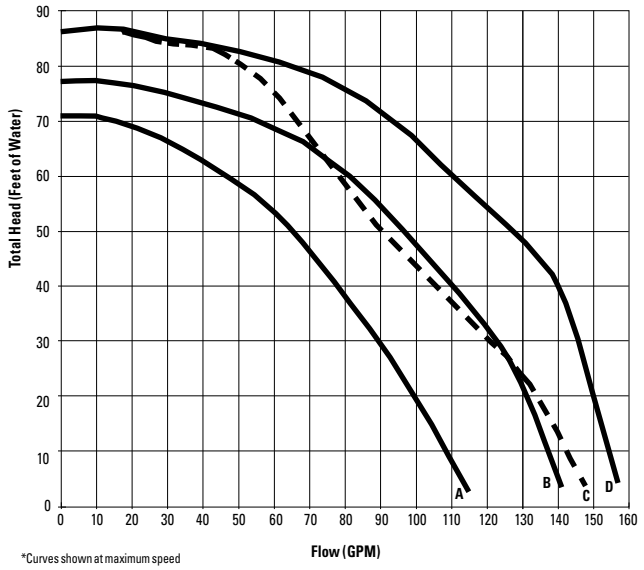




Hydraulics

PUMP PERFORMANCE CURVES (continued)

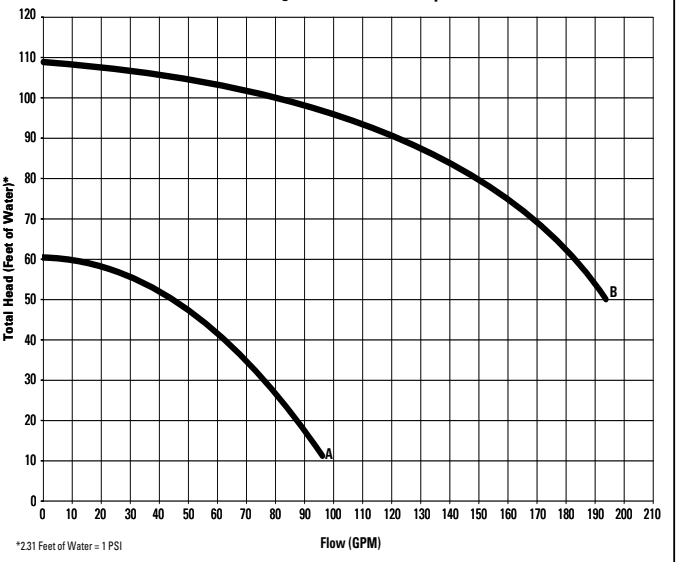
TriStar XE Performance Comparison*



*Curves shown at maximum speed

KEY:
A. SP3207X10XE (230V/115V) B. SP3210X15XE (230V/115V) C. SP3215X20XE (115V) D. SP3215X20XE (230V)

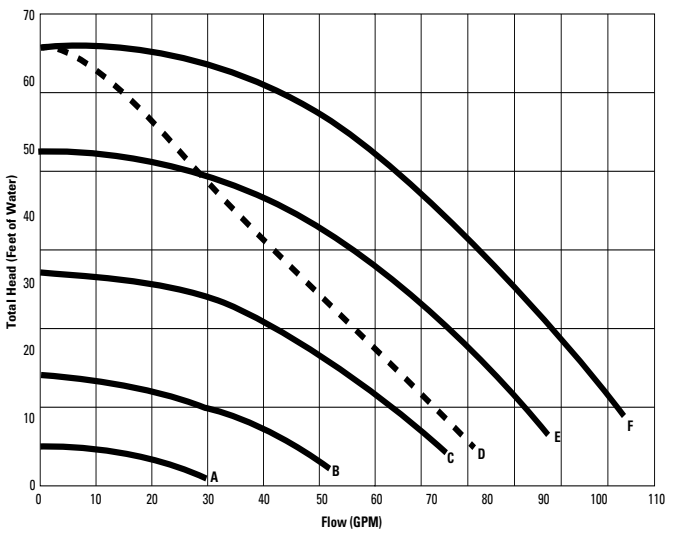
TriStar High Performance Pumps



*2.31 Feet of Water = 1 PSI

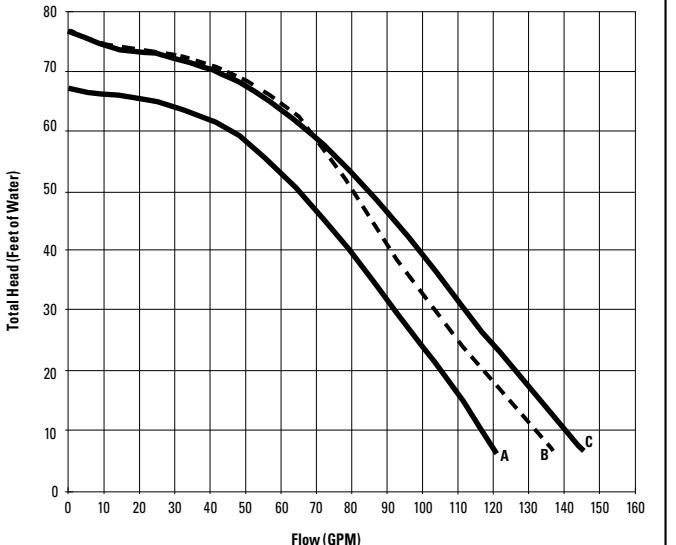
KEY:
A. SP3200X10 B. SP3250EE

Super Pump VS 700 Performance Comparison



KEY:
A. 1000 RPM B. 1725 RPM C. 2400 RPM D. 3450 RPM (115V) E. 3000 RPM
F. 3450 RPM

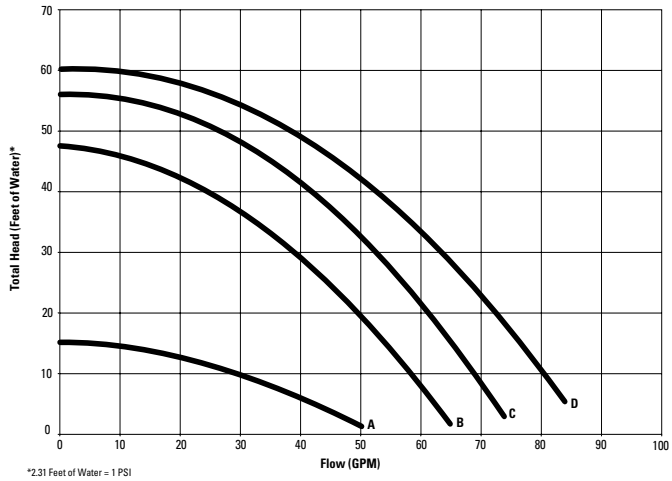
Super Pump XE Performance Comparison*



*Curves shown at maximum speed

KEY:
A. SP2610X15XE (230V/115V) B. SP2615X20XE (115V) C. SP2615X20XE (230V)

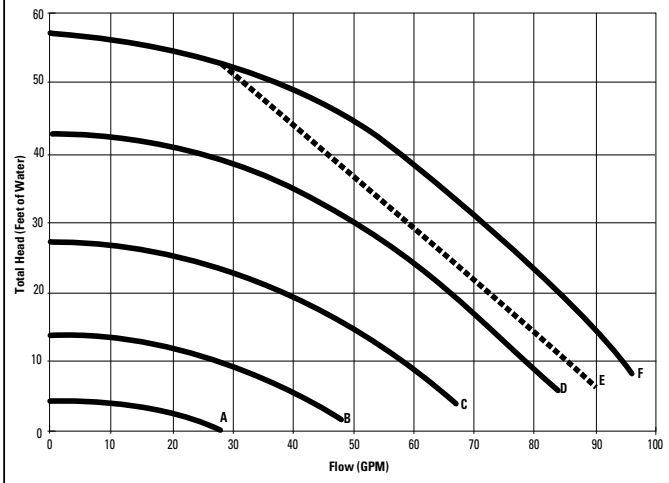
Super Pump Medium Head Pumps



*2.31 Feet of Water = 1 PSI

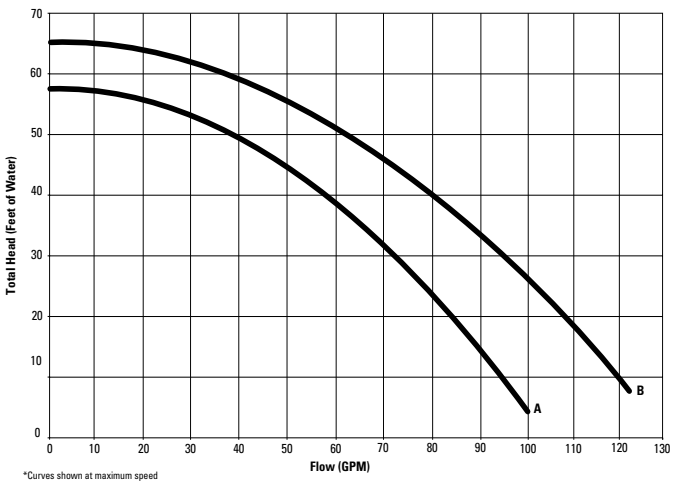
KEY:
A. SP2607X102S (Low Speed) B. SP2600X5 C. SP2605X7 D. SP2670007X10; SP2607X10

MaxFlo VS 500 Performance Comparison



KEY:
A. 1000 RPM B. 1725 RPM C. 2400 RPM D. 3000 RPM E. 3450 RPM (115V)
F. 3450 RPM

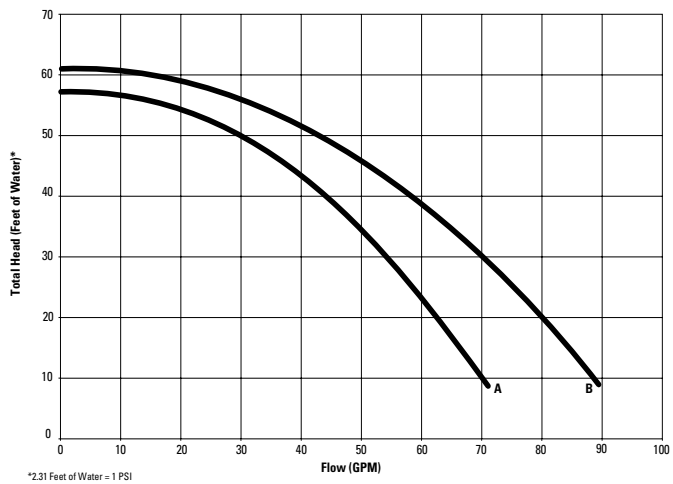
MaxFlo XE Performance Comparison*



*Curves shown at maximum speed

KEY:
A. SP2310X15XE (230V/115V) B. SP2315X20XE (230V/115V)

MaxFlo XL Medium Head Pumps



*2.31 Feet of Water = 1 PSI

KEY:
A. SP2305X7 B. SP2307X10

SwimClear™

LARGE CAPACITY CARTRIDGE FILTERS

EXPERT LINE



C3030 SwimClear Filter



C5030 SwimClear Filter

Utilizing a cluster of reusable cartridge elements, SwimClear filters offer a choice of 225, 325, 425, 525 or 700 square feet of heavy-duty dirt-holding capacity for extra-long filter cycles, up to an entire season without cleaning. SwimClear filters will provide years of trouble-free operation and crystal clear, sparkling water.

Applications

- In-ground pools
- In-ground pool/spa combinations
- In-ground spas (residential or commercial)

Features

- High capacity, rapid release manual air relief valve bleeds air with a quick quarter turn of the lever.
- Filter tanks made from durable glass reinforced co-polymer to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems.
- Self-aligned tank top and bottom make access to serving the Quad-Cluster™ cartridge elements fast and simple
- Heavy-duty, tamper-proof, one-piece clamp securely fastens tank top and bottom. Allows quick access to all internal components without disturbing piping or connections
- Top manifold configuration provides excellent filtration and hydraulic performance
- Non-corrosive top closure plate prevents elements from lifting and allowing unfiltered water to by-pass into pool or spa during operation
- Quad-Cluster of high-quality polyester cartridge elements provide 225, 325, 425, 525 or 700 square feet of filter area for extra dirt-holding capacity and long filter cycles
- 2" full-flow internal piping and plumbing for less resistance to flow and maximum performance.
- PVC union coupling connection accepts 2" or 2 1/2" piping for plumbing versatility and hydraulic efficiency.
- Full size 1 1/2" integral drain allows for fast, 100% clean-out and easier flushing of tank

SwimClear Cartridge Filter Buying Guide

Model Number	Effective Filtration Area	Union Connections	Dimensions Width	Dimensions Height	Clearance for Head Removal	Ctn. Qty.	Ctn. Weight
C2030	225 ft.²	2" x 2 ½"	24"	32 ½"	15"	1	50 lbs.
C3030	325 ft.²	2" x 2 ½"	24"	34 ½"	16"	1	60 lbs.
C4030	425 ft.²	2" x 2 ½"	24"	40 ½"	18"	1	69 lbs.
C5030	525 ft.²	2" x 2 ½"	24"	46 ½"	22"	1	79 lbs.
C7030	700 ft.²	2" x 2 ½"	24"	52 ½"	28"	1	85 lbs.

Performance Data – Public and APSP-15

Model Number	Effective Filtration Area	Public Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C2030	225 ft.²	84 GPM	40,320	50,400
C3030	325 ft.²	122 GPM	58,560	73,200
C4030	425 ft.²	150 GPM	72,000	90,000
C5030	525 ft.²	150 GPM	72,000	90,000
C7030	700 ft.²-	150 GPM	72,000	90,000

Public and APSP-15 Design Flow Rate based on .375 GPM/ft.²
*Determined by pump size and piping system hydraulics.
2" piping is recommended for flow rates above 90 GPM.
Refer to "Friction Loss" in Hydraulics section, pages 21–24.

Replacement Elements – Page 34

For replacement parts see pages 174–175.

Hayward's newest addition to the SwimClear family is simply the most efficient single element cartridge filter ever produced. It captures more dirt for superior water clarity while the industry's lowest head loss can increase energy savings. SwimClear is the easiest to service: the Easy-Lok™ ring design, comfort grip handles, and lowest lift height provide fast element cleaning and replacement. For energy savings, reliable performance, and the ultimate in service ease, the choice is crystal clear: SwimClear.

Applications

- In-ground pools
- In-ground pool/spa combinations

Features

- Captures more dirt for superior water clarity without the need of any supplemental media
- Industry-leading hydraulic efficiency allows the pump to run at a lower speed or less time, which increases energy savings
- Easy-Lok ring design allows quick access to internal components for quick and simple maintenance
- Ergonomic grip handles provide multiple handling locations without touching fiberglass for easy installation and maintenance
- Lowest body height to lift elements for convenient and quick cleaning and replacement
- Recessed pressure gauge and manual air relief enables user to place head assembly upside down on pool pad, protecting the seal from contamination
- 2" x 2 1/2" union connections makes installation and servicing fast and easy

Performance Data – Residential

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C100S	100 ft.^{2}	100 GPM	48,000	60,000
C150S	150 ft.^{2}	120 GPM	57,600	72,000
C200S	200 ft.^{2}	120 GPM	57,600	72,000

Residential Design Flow Rate based on 1 GPM/ft.^{2}

Performance Data – Public and APSP-15

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C100S	100 ft.^{2}	38 GPM	18,240	22,800
C150S	150 ft.^{2}	56 GPM	26,880	33,600
C200S	200 ft.^{2}	75 GPM	36,000	45,000

Public and APSP-15 Design Flow Rate based on .375 GPM/ft.^{2}

Replacement Elements – Page 34

For replacement parts see pages 176–177.



SwimClear Cartridge Filters

SwimClear Cartridge Filter Buying Guide

Model Number	Effective Filtration Area	Union Connections	Dimensions Width*	Dimensions Height	Clearance for Head Removal	Ctn. Qty.	Ctn. Weight
C100S	100 ft.^{2}	2" x 2 ½"	18 ¼"	30 ½"	12"	1	33 lbs.
C150S	150 ft.^{2}	2" x 2 ½"	18 ¼"	33 ¾"	15"	1	37 lbs.
C200S	200 ft.^{2}	2" x 2 ½"	18 ¼"	38 ¾"	18"	1	40 lbs.

NOTE: *Based on lock ring — width at base is 13".

StarClear™ Plus
CARTRIDGE FILTERS

EXPERT LINE



C9002 StarClear Plus Filter

StarClear Plus Cartridge Filter Buying Guide

Model Number	Effective Filtration Area	Pipe Size	Dimensions Width	Dimensions Height	Clearance for Head Removal	Ctn. Qty.	Ctn. Weight
C9002	90 ft.²	2" FIP	13 3/8"	30"	19"	1	26 lbs.
C12002	120 ft.²	2" FIP	13 3/8"	36"	25"	1	29 lbs.
C17502	175 ft.²	2" FIP	13 3/8"	42"	30"	1	32 lbs.

Hayward's StarClear Plus filters offer quality, value and convenience in cartridge filtration. Because of their durable construction, they can handle the most demanding applications and environmental conditions. The precision engineered core provides extra strength and maximum flow. StarClear Plus filters deliver proven performance and value.

Applications

- In-ground pools
- In-ground pool/spa combinations

Features

- Filter tanks made from durable glass reinforced co-polymer material to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems
- Single piece injection-molded base and body provides added strength for reliable, corrosion-free performance
- Single locking knob securely fastens head to filter tank, eliminating bolts or clamps
- Extra-large cartridge element with precision engineered core provides extra-strength and maximum flow
- Elevated, filtered water collector and debris sump prevents accidental by-pass of heavy debris to pool when cartridge is removed for cleaning
- 2" FIP connections for plumbing versatility
- ½" FIP filter drain for fast draining. Also accepts standard spigot valve

Performance Data – Residential

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons) 8 Hours	Turnover (In Gallons) 10 Hours
C9002	90 ft.²	90 GPM	43,200	54,000
C12002	120 ft.²	120 GPM	57,600	72,000
C17502	175 ft.²	120 GPM	57,600	72,000

Residential Design Flow Rate based on 1 GPM/ft.²

Performance Data – APSP-15

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons) 8 Hours	Turnover (In Gallons) 10 Hours
C9002	90 ft.²	34 GPM	16,200	20,250
C12002	120 ft.²	45 GPM	21,600	27,000
C17502	175 ft.²	66 GPM	31,680	39,600

APSP-15 Design Flow Rate based on .375 GPM/ft.²
*Determined by pump size and piping system hydraulics.
2" piping is recommended for flow rates above 90 GPM.
Refer to "Friction Loss" in Hydraulics section, pages 25–28.

Replacement Elements – Page 34

For replacement parts see pages 180–181.

Hayward StarClear cartridge filters provide crystal clear water and have extra cleaning capacity to accommodate pools and spas of all types and sizes. For replacement or new pool installations, StarClear sets the standard of excellence and value.

Applications

- In-ground pools
- In-ground pool/spa combinations
- In-ground, in-deck or moveable spas
- Hot tubs
- Above-ground pools

Features

- Single locking knob securely fastens head to filter tank, eliminating bolts or clamps
- Attractive, durable filter head may be rotated to conveniently position pressure gauge and manual air relief
- Injection-molded filter tank for dependable, corrosion-free performance
- Extra-large cartridge element with precision engineered core provides extra-strength and maximum flow.
- Elevated, filtered water collector and debris sump prevents accidental by-pass of heavy debris to pool or spa when cartridge is removed for cleaning
- 1 ½" or 2" FIP, or 2" SKT connections for plumbing versatility
- ½" FIP filter drain for fast draining of elevated spas and tubs. Also accepts standard spigot valve

Performance Data – Residential

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C250	25 ft.²	25 GPM	12,000	15,000
C500	50 ft.²	50 GPM	24,000	30,000

Performance Data – Public

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C250	25 ft.²	9 GPM	4,500	5,625
C500	50 ft.²	18 GPM	9,000	11,250

Public Design Flow Rate based on .375 GPM/ft.²
*Determined by pump size and piping system hydraulics.
2" piping is recommended for flow rates above 90 GPM.
Refer to "Friction Loss" in Hydraulics section, pages 21–24.

Replacement Elements – Page 34



C250 StarClear Filter



C500 StarClear Filter

StarClear Cartridge Filter Buying Guide

Model Number	Effective Filtration Area	Pipe Size	Dimensions Width	Dimensions Height	Clearance for Head Removal	Ctn. Qty.	Ctn. Weight
StarClear							
C250	25 ft.²	1 ½" FIP	10 ½"	19 ½"	18"	1	13 lbs.
C500	50 ft.²	1 ½" x FIP	10 ½"	29 ½"	28"	1	17 lbs.
Micro StarClear™ Cartridge Filters							
Cartridge filters for in-line piping, including spas, hot tubs and above-ground pools.							
C225	25 ft.²	1 ½" FIP	7 ¼"	17 ⅞"	—	1	7 lbs.

For replacement parts see pages 182–183.

XStream® Filtration Series

ABOVE-GROUND FULL-FLO CARTRIDGE FILTER SYSTEMS



CC10092S XStream Filtration Series



CC15093S XStream Filtration Series

XStream size for an XStream clean. Once you see the XStream filtration from Hayward, you'll be hooked. Its massive size and incredible performance mean years of trouble-free filtration. It has an extra large capacity for dirt and debris and a quick-release, high-capacity air relief valve.

Applications

- Above-ground pools/on-ground pools

Features

- Designed specifically for the rigors of above-ground filtration
- Longer, more efficient filtering life
- Larger filter body ensures an equal distribution of dirt and debris throughout the filtering element
- Engineered for easy use with flexible or rigid plumbing
- Quick release, high capacity air relief valve
- Durable filter tank will provide years of trouble-free operation
- Easy-Lok™ ring design allows quick access to all internal components in a single turn
- Unique safety catch prevents over-tightening of the lid and efficiently secures the filter for high performance operation

XStream Filtration Series Buying Guide — EXPERT LINE

Model Number	Filter	Dimensions Width	Dimensions Height	Pump	H.P.	System Components	Ctn. Qty.	Ctn. Weight	DOE Compliant*
CC10080S	CC1000	21"	30 ½"	PowerFlo LX™	1	2,3	1	66 lbs.	Y
CC10092S	CC1000	21"	30 ½"	PowerFlo Matrix®	1	2,3	1	67 lbs.	Y
CC100922S	CC1000	21"	30 ½"	PowerFlo Matrix	1hp-2spd	2,3,4	1	67 lbs.	Y
CC10092STL	CC1000	21"	30 ½"	PowerFlo Matrix	1	1,2,3	1	67 lbs.	Y
CC15080X5S	CC1500	21"	37 ¼"	PowerFlo LX	1 ½	2,3	1	74 lbs.	Y
CC15093S	CC1500	21"	37 ¼"	PowerFlo Matrix	1 ½	2,3	1	75 lbs.	Y
CC150932S	CC1500	21"	37 ¼"	PowerFlo Matrix	1 ½hp-2spd	2,3,4	1	75 lbs.	Y
CC15093STL	CC1500	21"	37 ¼"	PowerFlo Matrix	1 ½	1,2,3	1	75 lbs.	Y

NOTE: "TL" pump includes 3' twisting lock cord. (UL)

***DOE Compliance:** Meets Department of Energy (DOE) compliance regulations as of manufacturing date. See hayward.com/regulations for details.

System Components

1. 3' twist lock cord (UL)
2. 1 ½" hose packages include: two (2) 1 ½" x 6' lengths of hose, hose adapters, hose clamps
3. Union connection
4. 2-speed pump

Optional Accessories — OPEN LINE

Model Number	Description	Ctn. Qty.	Ctn. Weight
SP1500UNPAK2	Set of two (2) quick connect unions	50	32 lbs.

Performance Data

Filter	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons) 8 Hours	Turnover (In Gallons) 10 Hours
CC1000	100 ft.²	80 GPM	38,400	48,000
CC1500	150 ft.²	120 GPM	57,600	72,000

Replacement Elements – Page 34

For replacement parts see pages 186–187.

EasyClear™ & Micro StarClear™

ABOVE-GROUND FULL-FLO CARTRIDGE FILTER SYSTEMS

EasyClear full-flo element filters are designed specifically for above-ground pools of all sizes and will provide years of trouble-free operation. Performance-matched with the PowerFlo LX™ pump series, they will turnover at least 24,000 gallons in an eight hour period, easily handling a 24' round above-ground pool. EasyClear filters are mounted on a rugged filter base and use a special reinforced polyester cartridge engineered to provide superior water clarity with minimal care.

Applications

- Above-ground pools

Features

- Easy-Lok™ lid access design provides simple entry to service the cartridge element
- Built-in check valve prevents accidental loss of pool water when cartridge is being removed for cleaning
- Unique safety-catch prevents overtightening of the cover and unwanted entry into the filter
- Cartridge element is uniquely designed of high quality reinforced polyester and a molded center core for easy cleaning, high flows and long life.
- Union connection allows pump or filter to be removed quickly and easily for servicing systems

Performance Data

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C2251540LSS	25 ft.^{2}	20 GPM	15,000	18,750
C4001575XES	40 ft.^{2}	50 GPM	24,000	30,000
C5501575XES	55 ft.^{2}	69 GPM	33,120	41,400

Replacement Elements – Page 34



C4001575XES EasyClear System



C2251540LSS Micro StarClear System

EasyClear and Micro StarClear Filter System Buying Guide

Model Number	Filter	Dimensions Width	Dimensions Height	Pump	H.P.	System Components	Ctn. Qty.	Ctn. Weight	DOE Compliant*
Micro StarClear									
C2251540LSS	C225	7 1/4"	17 7/8"	PowerFlo	40 GPM	2,3	1	25 lbs.	Y
EasyClear									
C4001575XES	C400	8 3/8"	24 1/2"	PowerFlo LX	1	1,2,3	1	46 lbs.	Y
C5501575XES	C550	8 3/8"	30"	PowerFlo LX	1	1,2,3	1	46 lbs.	Y

***DOE Compliance:** Meets Department of Energy (DOE) compliance regulations as of manufacturing date. See hayward.com/regulations for details.

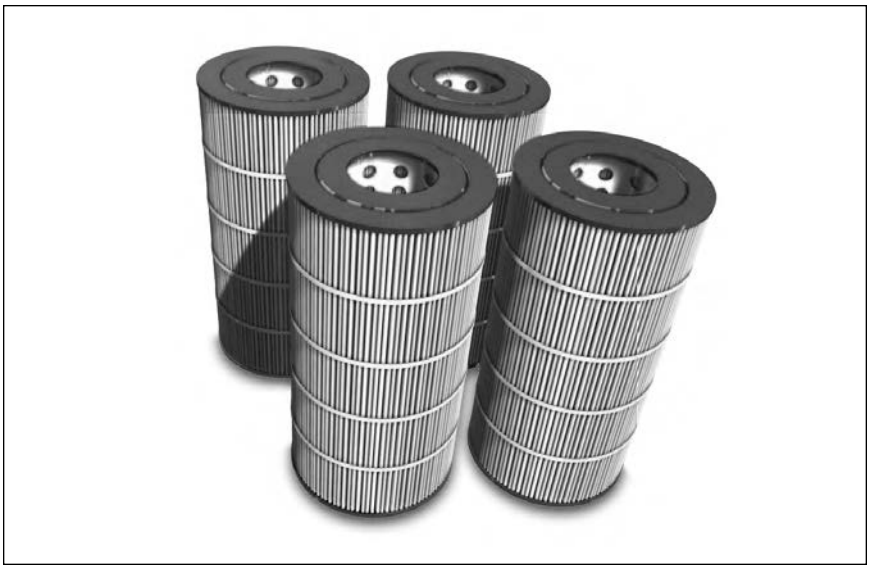
System Components

1. EC1161PAK modular platform base
2. 1 ½" hose packages include: two (2) 1 ½" x 6' lengths of hose, hose adapters and hose clamps
3. Union connection

For replacement parts see pages 188–189.

Genuine Replacement Cartridges

OPEN LINE



Genuine Replacement Cartridges

Hayward replacement cartridges are manufactured with premium materials designed to meet NSF's high quality performance and durability standards. All Hayward cartridges provide maximum hydraulic efficiency, exceptional first pass debris removal, extended filtration cycles, reduced cleaning time and multi-season durability.

Clearly, Hayward Genuine Replacement Cartridges are the only replacement cartridges that will maintain the original filter fit and performance in addition to providing the best overall value.

Features

- Premium 4 oz. cartridges include NSF certification when used in Hayward filters providing original filtration quality and durability
- Precision engineered molded and extruded cores provide maximum hydraulic efficiency and overall structural stability
- Available in economical 4 pack configurations to accommodate multi-cartridge filters
- Individually packaged with part number molded into colored end caps for easy identification
- Compatible with all pool sanitizers

Cartridge Elements Buying Guide

OPEN LINE

Premium 4 oz Material	Hayward Replacement Cartridge Description	Ctn. Qty.
StarClear & StarClear™ Plus Replacement Cartridges		
CX1000RE	Replacement Cartridge – C100-	1
CX1100RE	Replacement Cartridge – C1100-	1
CX1200RE	Replacement Cartridge – C1200-	1
CX1750RE	Replacement Cartridge – C1750-	1
CX1900RE	Replacement Cartridge – C1900-	1
CX2020RE	Replacement Cartridge – C2002-	1
CX225RE	Replacement Cartridge – C225-	1
CX250RE	Replacement Cartridge – C250-	1
CX500RE	Replacement Cartridge – C500-	1
CX550RE	Replacement Cartridge – C550-	1
CX750RE	Replacement Cartridge – C750-	1
CX760RE	Replacement Cartridge – C751-	1
CX800RE	Replacement Cartridge – C800-	1
CX900RE	Replacement Cartridge – C900-	1
SwimClear™ Replacement Cartridges		
CX100XRE	Replacement Cartridge – C100S-	1
CX150XRE	Replacement Cartridge – C150S-	1
CX200XRE	Replacement Cartridge – C200S-	1
CX1280XRE/CX1280XREPAK4	Replacement Cartridge – C5000-/C5020-/C5025-/C5030-	1
CX480XRE/CX480XREPAK4	Replacement Cartridge – C2000-/C2020-/C2025-	1
CX481XRE/CX481XREPAK4	Replacement Cartridge – C2030-	1
CX580XRE/CX580XREPAK4	Replacement Cartridge – C3000-/C3020-/C3025-/C3030-	1
CX590XREPAK4	Replacement Cartridge – C7020-	1
CX591XRE/CX591XREPAK4	Replacement Cartridge Element – C7030-	1
CX875XRE	Replacement Cartridge – C4520-	1
CX880XRE/CX880XREPAK4	Replacement Cartridge – C4000-/C4020-/C4025-/C4030-	1
XStream®, EasyClear™ & Micro StarClear™ Replacement Elements		
CCX1000RE	Replacement Cartridge – CC1000-	1
CCX1500RE	Replacement Cartridge – CC1500-	1
CCX2000RE	Replacement Cartridge – CC2000-	1
CX550RE	Replacement Cartridge – C550-	1
CX225RE	Replacement Cartridge – C225-	1

DEP 500 Series pleated element filters combine the convenient maintenance of a cartridge with the superior water clarity of D.E. technology. Long lasting, easy-clean, elements can be backwashed or removed and quickly rinsed. Valves and union kits are sold separately.

Applications

- In-ground pools
- In-ground pool/spa combinations

Features

- Easy-clean elements allow for reduced cleaning time
- Large surface area extends time between cleanings
- Heavy-duty, tamper-proof, one-piece clamp provides quick access to internal components without disturbing plumbing connections
- Flow rating is equivalent to grid D.E. and M.E. cartridge filters, making retrofit installation simple
- High capacity, rapid release manual air relief valve bleeds air with a quick quarter turn of the lever
- Filter tanks made from durable glass reinforced copolymer to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems
- Self-aligned tank top and bottom make access to servicing the pleated elements fast and simple
- Inlet diffuser elbow distributes flow of unfiltered water evenly to all filter elements and provides even distribution of D.E. to elements
- Convenient valve and plumbing options allow for customized control
- 2" full-flow internal piping and plumbing for less resistance to flow and maximum performance

Performance Data – Valve Positions

Model Number	Filter	Back-wash	Waste	Recir-culate	Rinse	Closed
SP0425	•	•	•	•	—	—
SP0740DE	•	•	•	•	—	—
SP0710XR50	•	•	•	•	•	•
SP0715XR50	•	•	•	•	•	•
SP0410X502S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—



DEP 500 Series Pleated Element Filter with SP0425 SelectaFlo™ high efficiency valve

DEP 500 Series Buying Guide — EXPERT LINE

Model Number	Effective Filtration Area	D.E. Required	Dimensions Width*	Dimensions Height	Clearance for Head Removal	Ctn. Qty.	Ctn. Weight
DEP60	60 ft.^{2}	6 lbs.	24"	34 ½"	16"	1	75 lbs.
DEP80	80 ft.^{2}	8 lbs.	24"	40 ½"	18"	1	83 lbs.
DEP100	100 ft.^{2}	10 lbs.	24"	46 ½"	22"	1	92 lbs.

NOTES: All filters include pressure gauge, air relief valve and 1 ½" drain plug.
*Above dimensions are for filter only. Add 12" for 1 ½" and 14" for 2" multiport valves. Add 7" for 2" slide valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
Valve and Coupling Selections					**OPEN LINE**
SP0425	SelectaFlo	2" SKT x 2 ½" SLIP	4	1	12 lbs.
SP0740DE	SelectaFlo	2" SKT	4	1	9 lbs.
SP0710XR50	VariFlo	1 ½" FIP	6	1	6 lbs.
SP0715XR50	VariFlo	2" FIP	6	1	9 lbs.
SP0410X502S	Slide Valve	2" SKT	2	1	4 lbs.
DE2400PAK2CS	Coupling	1 ½" SKT x 2" SLIP	—	10	10 lbs.

Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover 8 Hours	Turnover 10 Hours
DEP60	60 ft^2 / 5.5 m^2	120 GPM / 454 LPM	57,600 gal / 218 kl	72,000 gal / 273 kl
DEP80	80 ft^2 / 7.4 m^2	150 GPM / 568 LPM	72,000 gal / 273 kl	90,000 gal / 341 kl
DEP100	100 ft^2 / 9.3 m^2	150 GPM / 568 LPM	72,000 gal / 273 kl	90,000 gal / 341 kl

NOTE: *2" piping is recommended for flow rates equal to or greater than 90 GPM (341 LPM). Hayward® doesn't recommend flow rates above 150 GPM.

For replacement parts see pages 192–193.

ProGrid™

VERTICAL GRID D.E. FILTERS



DE7220 ProGrid Filter with SP0740DE Selecta-Flo™ 4-position Control Valve



DE3620 ProGrid Filter with 2-position Slide Valve

ProGrid vertical grid D.E. filters provide superior water clarity, efficient flow and large cleaning capacity for pools and spas of all types and sizes. ProGrid combines high-technology features and "service-ease" design for an unparalleled filtration value for both new pool and aftermarket installations.

Applications

- In-ground pools
- In-ground spas or in-ground pool/spa combinations

Features

- High capacity, rapid release manual air relief valve bleeds air with a quick quarter turn of the lever
- Filter tanks made from durable glass reinforced copolymer to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems
- Self-aligned tank top and bottom make access to servicing the grid elements fast and simple
- Heavy-duty, tamper-proof, one piece flange clamp securely fastens tank top and bottom. Allows quick access to all internal components without disturbing piping or connections.
- High impact grid elements designed for up-flow filtration and top-down backwashing for maximum efficiency
- Integral lift handles and uniform low-profile base make removal of grid nest fast and simple
- Inlet diffuser elbow distributes flow of unfiltered water evenly to all filter elements and provides even distribution of D.E. to grids
- Convenient valve and plumbing options allow for customized control
- 2" full-flow internal piping and plumbing for less resistance to flow and maximum performance
- 72 ft.² filter allows for both commercial and large residential applications and years of non-corrosive, trouble-free performance

ProGrid D.E. Filter Buying Guide — EXPERT LINE

Model Number	Effective Filtration Area	D.E. Required	Dimensions Width*	Dimensions Height	Clearance for Head Removal	Ctn. Qty.	Ctn. Weight
DE3620	36 ft.²	4 ½" lbs.	24"	34 ½"	16"	1	65 lbs.
DE4820	48 ft.²	6 lbs.	24"	40 ½"	18"	1	74 lbs.
DE6020	60 ft.²	7 ½" lbs.	24"	46 ½"	22"	1	84 lbs.
DE7220	72 ft.²	9 lbs.	24"	52 ½"	25"	1	94 lbs.

NOTES: All filters include pressure gauge, air relief valve and 1 ½" drain plug.
*Above dimensions are for filter only. Add 12" for 1 ½" and 14" for 2" multiport valves. Add 7" for 2" slide valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
Valve and Coupling Selections					**OPEN LINE**
SP0425	SelectaFlo	2" SKT x 2 ½" SLIP	4	1	12 lbs.
SP0740DE	SelectaFlo	2" SKT	4	1	9 lbs.
SP0710XR50	VariFlo	1 ½" FIP	6	1	6 lbs.
SP0715XR50	VariFlo	2" FIP	6	1	9 lbs.
SP0410X502S	Slide Valve	2" SKT	2	1	4 lbs.
DE2400PAK2CS	Coupling	1 ½" SKT x 2" SLIP	—	10	10 lbs.

Performance Data – Filter

Model Number	Effective Filtration Area	Public Design Flow Rate*	Turnover (In Gallons) 8 Hours	Turnover (In Gallons) 10 Hours	Residential Design Flow Rate**	Turnover (In Gallons) 8 Hours	Turnover (In Gallons) 10 Hours
DE3620	36 ft.²	72 GPM	34,560	43,200	90 GPM	43,200	54,000
DE4820	48 ft.²	96 GPM	46,080	57,600	120 GPM	57,600	72,000
DE6020	60 ft.²	120 GPM	57,600	72,000	150 GPM	72,000	90,000
DE7220	72 ft.²	144 GPM	69,120	86,400	150 GPM	72,000	90,000

NOTES: *Based on 2 GPM/ft.² (maximum allowable NSF rating).
**Based on 2.5 GPM/ft.² (maximum allowable NSF rating).

Performance Data – Valve Positions

Model Number	Filter	Back-wash	Waste	Recir-culate	Rinse	Closed
SP0425	•	•	•	•	—	—
SP0740DE	•	•	•	•	—	—
SP0710XR50	•	•	•	•	•	•
SP0715XR50	•	•	•	•	•	•
SP0410X502S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

For replacement parts see pages 194–195.

D.E. Separation Tank

PLEATED ELEMENT AND VERTICAL GRID D.E. FILTERS

Designed for D.E. filters with up to 100 square feet of filtration area, Hayward D.E. separation tanks are ideal for water conservation and savings during backwashing by returning chemically treated backwash water to the pool. Hayward D.E. separation tanks hold up to 10 lbs. of used D.E. filter powder and compliment both new and existing D.E. filter installations.

Features

- Rugged, reusable polypropylene containment bag holds up to 10 lbs. of used D.E. filter powder
- For pleated element D.E. filters with up to 100 ft.^{2} of filtration area
- For vertical grid D.E. filters with up to 80 ft.^{2} of filtration area
- Comes complete with 2" FIP or 2" SKT connections for full-flow performance
- Single locking knob for easy access



C9002SEP Separation Tank with 2" FIP connections

D.E. Separation Tank Buying Guide — EXPERT LINE

Model Number	Pipe Size	Max. D.E. Holding Capacity	Ctn. Qty.	Ctn. Weight
C9002SEP	2" FIP/2" SKT	10 lbs.	1	22 lbs.

NOTE: Comes complete with 2" FIP or 2" SKT connections for full-flow performance

Modular System Base Pak — **OPEN LINE**

S200PAK3	Molded platform base for pump and filter. Complete with rigid, sweep union and hardware. Pre-drilled for Super® and Super II™ Pumps. Use 1 ½" VariFlo® Valve.	1	11 lbs.

For replacement parts see pages 194–195.

Perflex®

EXTENDED-CYCLE D.E. FILTERS – EC65A AND EC75A SERIES



EC75A Basic Perflex Filter



Perflex System

Perflex Extended-Cycle D.E. filters clean pools fast, removing particles as small as one micron the first time through. Its patented Flex-Tube™ design gives longer cycles between cleaning because the same D.E. filter powder is used over and over. Plus, Perflex cleans without back-washing, saving hundreds of gallons of treated pool water. An exceptional value as a replacement filter or for new pool installations. For sparkling, clean pools, step up to Perflex.

Applications

- In-ground pools of all types and sizes

Features

- Exclusive bump handle activates the mechanism causing the Flex-Tubes to instantly and uniformly clean themselves of dirt and filter powder
- Self-venting design automatically expels any air that may be present in the system
- Proven, patented Flex-Tube filter elements efficiently reuse the filter powder and dirt mixture forming a fresh filtering surface
- Combination pressure gauge and threaded inspection/service port is easy to read and remove when filter needs cleaning
- Heavy-duty filter tank injection-molded of high-strength thermoplastic for dependable, corrosion-free performance
- Integral check valve prevents system backflow whenever pump is off

Perflex Buying Guide — EXPERT LINE

Model Number	1 ½" Drain Valve	1 ½" Pressure Gauge/ Inspection Port	Check Valve	D.E. Required	Dimensions Width	Dimensions Height	Ctn. Qty.	Ctn. Weight
EC65A	•	•	•	6 lbs.	21"	31"	1	44 lbs.
EC75A	•	•	•	7 lbs.	21"	31"	1	45 lbs.

Model Number	Description	Ctn. Qty.	Ctn. Weight
Modular System Base Pak			**OPEN LINE**
EC65BLP	System III Base Pak for EC65/EC75 (less pump) – for Super® or Super II™ Pumps	1	15 lbs.

NOTE: Order Super or Super II Pump, EC65A or EC75A basic filter and EC65BLP for a 3 component system.

Performance Data

Model Number	Effective Filtration Area	Public Design Flow Rate*	Residential Design Flow Rate**	Turnover (In Gallons) 8 Hours	Turnover (In Gallons) 10 Hours
EC65A	27 ft.²	54 GPM		25,920	40,200
EC75A	40 ft.²	80 GPM		38,400	48,000
EC65A			67 GPM	32,200	90,250
EC75A			100 GPM	48,000	60,000

NOTES: *Based on 2 GPM/ft.² (maximum allowable NSF rating).
**Based on 2.5 GPM/ft.² (maximum allowable NSF rating).

For replacement parts see pages 198–199.

Perflex Extended-Cycle D.E. filters provide crystal clear, sparkling water at an economical price. Proven over many years, Perflex has set the standard in swimming pool filtration by incorporating the patented Flex-Tube™ design in combination with D.E., the most effective filter media available. The result is superior water clarity, extended filter cleaning cycles — and no backwashing required.

Applications

- Above-ground/on-ground pools
- Small in-ground pools

Features

- Easy access clamp assembly
- Cleans pools fast — removes even the smallest particles the first time through
- Uses D.E. (diatomaceous earth), the most effective filter media available
- Patented Flex-Tube system efficiently reuses D.E. powder and dirt mixture to form fresh cleaning surfaces
- Exclusive bump handle activates the Flex-Tubes, causing them to instantly purge themselves of dirt and powder
- Uniquely designed to expel any air that may be present in the system through the filtered water returning to the pool
- Combination diffuser and lower mixing chamber specifically designed to produce a uniformed coating of D.E. on the Flex-Tubes

Performance Data

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
EC40AC	20 ft.²	40 GPM	19,200	24,000
EC50AC	25 ft.²	50 GPM	24,000	30,000



EC40AC Perflex Filter



EC50AC Perflex Filter

Perflex Buying Guide — EXPERT LINE

Model Number	Pressure Gauge	Deluxe 1 ½" Drain Valve	Built-In Check Valve	Service/ Inspection Port	D.E. Required	Dimensions Width	Dimensions Height	Ctn. Qty.	Ctn. Weight
EC40AC	•	•	•	—	4 lbs.	16"	26 ½"	1	26 lbs.
EC50AC	•	•	•	•	5 lbs.	13 ½"	31 ⅜"	1	30 lbs.

NOTE: EC40A Replacement Filter: EC40AC. EC50A Replacement Filter: EC50AC.

OPEN LINE

Model Number	Description	Ctn. Qty.	Ctn. Weight
EC1161LK	Elevated mounting base with sweep union, adjustable connecting loop, elbow adapter and hardware	1	5 lbs.
EC1161PAK	Modular platform base is pre-drilled for the PowerFlo Series Pump	1	4 lbs.

For replacement parts see pages 200–201.

Perflex®

EXTENDED-CYCLE D.E. FILTER SYSTEMS



EC40C92S Perflex System



EC50C93S Perflex System

Perflex filters are performance matched with our above-ground pump series to ensure a system that maximizes its filtration ability. These advanced filtration systems are designed to operate with less resistance than conventional units, thus producing more filtered water with less pump horsepower. Quality, value, dependability and sparkling clear pool water are the Perflex system trademarks.

System Features

- Pump-to-filter union connection provides simple installation and winterization
- Modular platform base accepts optional chlorine feeder

Perflex Buying Guide — EXPERT LINE

Model Number	Filter[a]	Pump[b]	H.P.	System Components	Ctn. Qty.	Ctn. Weight	DOE Compliant*
EC30 Series							
EC301540ESNV	EC30	PowerFlo	40 GPM	3	1	50 lbs.	Y
EC40 Series							
EC40C80S	EC40AC	PowerFlo LX™	1	2,3	1	56 lbs.	Y
EC40C92S	EC40AC	PowerFlo Matrix®	1	2,3	1	56 lbs.	Y
EC40C92STL	EC40AC	PowerFlo Matrix	1	1,2,3	1	56 lbs.	Y
EC50 Series							
EC50C92S	EC50AC	PowerFlo Matrix	1	2,3	1	64 lbs.	Y
EC50C92STL	EC50AC	PowerFlo Matrix	1	1,2,3	1	64 lbs.	Y
EC50C80X5S	EC50AC	PowerFlo LX	1 ½	2,3	1	66 lbs.	Y
EC50C93S	EC50AC	PowerFlo Matrix	1 ½	2,3	1	66 lbs.	Y
EC50C93STL	EC50AC	PowerFlo Matrix	1 ½	1,2,3	1	66 lbs.	Y

NOTES: a. All filters include SP1022C 1½" drain plug.
b. All pumps have 6' power cord, except system designated with "TL", which incorporates a 3 ft. twist lock cord.

***DOE Compliance:** Meets Department of Energy (DOE) compliance regulations as of manufacturing date. See hayward.com/regulations for details.

System Components

1. 3' twist lock cord (UL)
2. SP0723 deluxe drain valve
3. 1 ½" hose packages include: two (2) 1 ½" x 6' lengths of hose, hose adapters and hose clamps

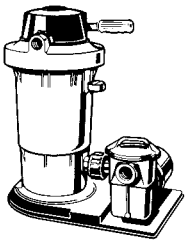
Optional Accessories — **OPEN LINE**

Model Number	Description	Ctn. Qty.	Ctn. Weight
SP1500UNPAK2	Set of two (2) quick connect unions	50	32 lbs.

Clip Art

EC301540ESNV includes:

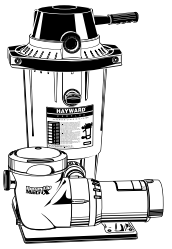
- EC30 Filter
- P1540, 40 GPM PowerFlo Pump
- Modular Platform Base
- Union Connection
- 1 ½" Hose Package



EC301540ESNV

EC40C92S includes:

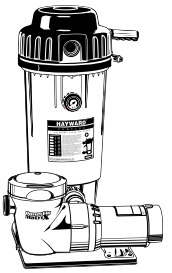
- EC40AC Filter with Clamp
- SP1592, 1 H.P. PowerFlo Matrix Pump
- Modular Platform Base
- Union Connection
- 1 ½" Hose Package



EC40C92S

EC5093S includes:

- EC50AC Filter with Clamp
- SP1593, 1 1/2 H.P. PowerFlo Matrix Pump
- Modular Platform Base
- Union Connection
- 1 ½" Hose Package



EC50C93S

For replacement parts see pages 202–203.

Incorporating the many advanced features of Hayward's ProSeries top-mount and side mount sand filters, the ProSeries Plus satisfies the requirements of the most demanding installations, including pools installed with in-floor cleaning systems, spas, fountains or solar heating systems.

Applications

- Suitable for residential and semi-commercial applications
- In-ground pools installed with in-floor cleaning systems, solar heating systems, water features
- In-ground spas or in-ground pool/spa combinations

Features

- Durable, flanged inspection cover provides convenient access to top of side mount filters
- Flange clamp design allows 360° rotation of valve to simplify plumbing
- Top diffuser ensures even distribution of water over the top of the sand media bed. All internal piping is 2" to give smooth, free-flowing performance
- Large pressure sand/water drain for rapid winterizing or servicing
- Unitized, corrosion-proof, spherical filter tank molded of rugged, colorfast polymeric material for maximum strength and longer life
- Optional valve and coupling selections for plumbing ease and versatility. Choose from 6-position VariFlo® valve, 2-position slide valve or 1 ½" SKT x 2" SLIP connectors for multiple (tandem) filter installations
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
S311SXV	4.95 ft.²	99 GPM	47,520	59,400
S360SX	6.50 ft.²	130 GPM	62,400	78,000
S360T2	6.50 ft.²	130 GPM	62,400	78,000

*Based on 20 GPM/ft.² (maximum allowable NSF rating).

Performance Data – Valve Positions

Model Number	Filter	Back-wash	Waste	Recir-culate	Rinse	Closed
SP0710X62	•	•	•	•	•	•
SP0715X62	•	•	•	•	•	•
SP071621	•	•	•	•	•	•
SP0410X602S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—



S311SXV ProSeries Plus 31" Filter with 2" Slide Valve



S360SX ProSeries Plus 36" Filter

ProSeries Plus Sand Filter Buying Guide — EXPERT LINE

Model Number	Side/Top Mount	Valve	Sand Capacity	Dimensions Width**	Dimensions Height	Ctn. Qty.	Ctn. Weight
S311SXV	Side	Slide Valve	350 lbs.	31"	38 5/8"	1	78 lbs.
S360SX	Side	Not Included*	700 lbs.	36"	46"	1	95 lbs.
S360T2	Top	2" VariFlo	700 lbs.	36"	53"	1	134 lbs.

NOTES: *Order valve separately – See "Valve and Coupling Selections" Buying Guide below.
**Above dimensions are for filter only. Add 12" for 1 ½" and 14" for 2" side mount multiport valves. Add 7" for 2" slide valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
Valve and Coupling Selections					**OPEN LINE**
SP0710X62	VariFlo Side Mount	1 ½" FIP	6	1	6 lbs.
SP0715X62	VariFlo Side Mount	2" FIP	6	1	9 lbs.
SP071621	VariFlo Top Mount	2" FIP	6	1	8 lbs.
SP0410X602S	VariFlo Side Mount	2" SKT	2	1	4 lbs.
DE2400PAK2CS	Coupling (2)	1 ½" SKT x 2" SLIP	—	10	12 lbs.

For replacement parts see pages 204–205.

ProSeries™

SIDE-MOUNT SAND FILTERS



S244S ProSeries 24" Filter with 1 ½" VariFlo Control Valve



S310S ProSeries 30" Filter with optional 2" VariFlo Control Valve

ProSeries high-rate sand filters are molded of durable, corrosion-proof material for long-lasting performance. They feature an advanced, self-cleaning lateral underdrain system for smooth, efficient flow and totally balanced backwashing. For crystal clear water with minimal care, pool professionals choose ProSeries.

Applications

- In-ground pools of all types and sizes
- In-ground spas (residential or commercial)
- Water features (fish ponds, fountains, water gardens)

Features

- Durable, flanged inspection cover provides convenient access to top of filter
- Top diffuser ensures even distribution of water over the top of the sand media bed
- Automatic air relief purges any trapped air during operation of the filter system
- Unitized, corrosion-proof filter tank molded of rugged, colorfast polymeric material for dependable, all weather performance
- Large pressure sand/water drain for rapid winterizing or servicing
- 6-position Hayward VariFlo® control valve with easy-to-use lever-action handle lets you dial any of the 6 valve/filter functions. Integral sight glass lets you see when backwash cycle is completed
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

ProSeries Buying Guide — EXPERT LINE

Model Number	Valve	Sand Capacity	Dimensions Width**	Dimensions Height	Ctn. Qty.	Ctn. Weight
S210S	1 ½" VariFlo	200 lbs.	20 ½"	32 ⅛"	1	46 lbs.
S244S	1 ½" VariFlo	300 lbs.	24 ½"	36"	1	53 lbs.
S244SV	2" Slide Valve	300 lbs.	24 ½"	36"	1	51 lbs.
S244SLV	Not Included*	300 lbs.	24 ½"	36"	1	60 lbs.
S310S	Not Included*	500 lbs.	30 ½"	40"	1	76 lbs.

NOTES: *Order valve separately–See "Valve and Coupling Selections" Buying Guide below.
**Above dimensions are for filter only. Add 12" for 1 ½" and 14" for 2" multiport valves. Add 7" for 2" slide valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
Valve and Coupling Selections					**OPEN LINE**
SP0710X62	VariFlo	1 ½" FIP	6	1	6 lbs.
SP0715X62	VariFlo	2" FIP	6	1	9 lbs.
SP0410X602S	Slide Valve	2" SKT	2	1	4 lbs.
DE2400PAK2CS	Coupling (2)	1 ½" SKT x 2" SLIP	—	10	12 lbs.

Model Number	Description	Ctn. Qty.	Ctn. Weight
Modular System			
S200PAK3	Heavy-duty, molded platform base for pump and filter. Complete with rigid, clear sweep union and hardware. Pre-drilled for MaxFlo™, Super® and Super II™ Pumps. Use 1 ½" VariFlo Valve.	1	11 lbs.

Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons) 8 Hours	Turnover (In Gallons) 10 Hours
S210S	2.20 ft.²	44 GPM	21,120	26,400
S244S	3.14 ft.²	62 GPM	29,760	37,200
S310S	4.91 ft.²	98 GPM	47,040	58,800

*Based on 20 GPM/ft.² (maximum allowable NSF rating).

Performance Data – Valve Positions

Model Number	Filter	Back-wash	Waste	Recir-culate	Rinse	Closed
SP0710X62	•	•	•	•	•	•
SP0715X62	•	•	•	•	•	•
SP0410X602S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

For replacement parts see pages 206–207.

ProSeries high-rate sand filters are molded of durable, corrosion-proof material for long-lasting performance. They feature attractive, unitized tank construction for years of trouble-free operation with only minimal care. ProSeries sets the standard for performance, value and dependability.

Applications

- In-ground pools of all types and sizes
- In-ground spas
- Water features (fish ponds, fountains, water gardens)

Features

- Flange clamp design allows 360° rotation of valve to simplify plumbing
- Integral top diffuser ensures even distribution of water over the top of the sand media bed. Full-size internal piping provides smooth, free-flowing performance
- Large pressure sand/water drain for rapid winterizing or servicing
- Unitized, corrosion-proof filter tank molded of rugged, colorfast polymeric material for dependable, all-weather performance
- 6 position Hayward 2" VariFlo® control valve with easy-to-use lever-action handle lets you dial any of the valve/filter functions. Integral sight glass lets you see when backwash cycle is completed
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
S220T/T2	2.64 ft.^{2}	52 GPM	24,960	31,200
S244T/T2	3.14 ft.^{2}	62 GPM	29,760	37,200
S270T/T2	3.70 ft.^{2}	74 GPM	35,520	44,400
S310T2	4.91 ft.^{2}	98 GPM	47,040	58,800

*Based on 20 GPM/ft.^{2} (maximum allowable NSF rating).

Performance Data – Valve Positions

Model Number	Filter	Back-wash	Waste	Recir-culate	Rinse	Closed	Winter
SP0714T	•	•	•	•	•	•	•
SP071621	•	•	•	•	•	•	—



S244T2 ProSeries 24" Filter with 2" VariFlo Control Valve



S310T2 ProSeries 30" Filter with 2" VariFlo Control Valve

ProSeries Buying Guide — EXPERT LINE

Model Number	Valve	Sand Capacity	Dimensions Width	Dimensions Height*	Ctn. Qty.	Ctn. Weight
S220T	1 ½" VariFlo	250 lbs.	22 ½"	41"	1	44 lbs.
S220T2	2" VariFlo	250 lbs.	22 ½"	41"	1	44 lbs.
S244T	1 ½" VariFlo	300 lbs.	24 ½"	42"	1	46 lbs.
S244T2	2" VariFlo	300 lbs.	24 ½"	42"	1	46 lbs.
S270T	1 ½" VariFlo	350 lbs.	27"	43"	1	56 lbs.
S270T2	2" VariFlo	350 lbs.	27"	43"	1	56 lbs.
S310T2	2" VariFlo	500 lbs.	30 ½"	48"	1	68 lbs.

NOTES: *Above dimensions are to top of valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
Valve Selections					**OPEN LINE**
SP0714T	VariFlo	1 ½" FIP	7	1	5 lbs.
SP071621	VariFlo	2" FIP	6	1	8 lbs.

Model Number	Description	Ctn. Qty.	Ctn. Weight
Modular System Base Paks			**OPEN LINE**
S160TPAK3	Universal pump and filter mounting base, complete with clear pump-to-filter hose, pipe adapters and hardware. Pre-drilled for PowerFlo LX™ Series, MaxFlo®, Super® and Super II™ Pumps.	1	12 lbs.

For replacement parts see pages 212, 214–215.

ProSeries™

TOP-MOUNT SAND FILTERS – S166T, S180T AND S210T MODELS

EXPERT LINE



S166T ProSeries 16" Filter with VariFlo Control Valve



S180T ProSeries 18" Filter with VariFlo Control Valve

ProSeries sand filters are high performance filters that blend superior flow characteristics and features with ease of operation. For use in multiple applications, Pro Series will provide clear, sparkling water for years to come.

Applications

- Above-ground/on-ground pools
- Small in-ground pools
- Aquariums (salt or fresh water)
- Ponds

Features

- Durable filter tank for long-lasting, all-weather performance
- 7-position VariFlo® valve provides maximum flow at lower pressure drop
- Large pressure sand/water drain for rapid winterizing or servicing
- Flange clamp design allows 360° rotation for easy installation
- Integral top diffuser ensures even distribution of water over the entire sand bed for maximum use of the filtration area
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

ProSeries Filter Buying Guide

Model Number	Filter Control Valve	Filter Base	Sand Capacity	Dimensions Width	Dimensions Height	Ctn. Qty.	Ctn. Weight
S166T	SP0714T	•	100 lbs.	16 ½"	33"	1	25 lbs.
S180T	SP0714T	•	150 lbs.	18 ½"	35"	1	32 lbs.
S210T	SP0714T	•	200 lbs.	20 ½"	38"	1	37 lbs.

NOTE: All above filters except S180T and S210T include snap-on molded pump base.

Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons) 8 Hours	Turnover (In Gallons) 10 Hours
S166T	1.40 ft.²	30 GPM	14,400	18,000
S180T	1.75 ft.²	35 GPM	16,800	21,000
S210T	2.20 ft.²	44 GPM	21,120	26,400

Performance Data – Valve Positions

Model Number	Filter	Back-wash	Waste	Recir-culate	Rinse	Closed	Winter
SP0714T	•	•	•	•	•	•	•

For replacement parts see pages 213, 215–216.

ProSeries sand systems are designed and equipped to offer the ideal combination of energy efficiency and outstanding water clarity. A broad selection of filter sizes, pumps, and accessories allows you to choose and merchandise the system(s) that best suit your above-ground pool program.

System Features

- Systems are designed for quick assembly and precise alignment of components
- Pumps and filters are performance-matched to provide maximum flow and energy efficiency
- 7-position VariFlo™ valve provides maximum flow at low pressure drop
- Durable filter bases for long-lasting, all-weather performance

S180T92S includes:

- 18" Polymeric Tank
- 7-Position Filter Control Valve
- SP1592, 1 H.P. PowerFlo Matrix Pump
- One Piece Deluxe Base
- 1 ½" Hose Package

S210T93S includes:

- 20" Polymeric Tank
- 7-Position Filter Control Valve
- SP1593, 1 1/2 H.P. PowerFlo Matrix Pump
- One Piece Deluxe Base
- 1 ½" Hose Package

S230T93S includes:

- 23" Polymeric Tank
- Same as S210T93S (see above)



S210T93S ProSeries System



S180T1580S ProSeries System

ProSeries Filter System Buying Guide — EXPERT LINE

Model Number	Filter Control Valve	Pump	H.P.	System Components	Ctn. Qty.	Ctn. Weight	DOE Compliant*
S166T1580S	SP0714T	PowerFlo LX™	1	3,4	1	52 lbs.	Y
S166T92S	SP0714T	PowerFlo Matrix®	1	2,3,4	1	52 lbs.	Y
S166T92STL	SP0714T	PowerFlo Matrix	1	1,2,3,4	1	52 lbs.	Y
S180T1580S	SP0714T	PowerFlo LX	1	3,4	1	62 lbs.	Y
S180T1580X15S	SP0714T	PowerFlo LX	1 ½	3,4	1	66 lbs.	Y
S180T92S	SP0714T	PowerFlo Matrix	1	2,3,4	1	65 lbs.	Y
S180T92STL	SP0714T	PowerFlo Matrix	1	1,2,3,4	1	65 lbs.	Y
S180T93S	SP0714T	PowerFlo Matrix	1 ½	2,3,4	1	66 lbs.	Y
S180T93STL	SP0714T	PowerFlo Matrix	1 ½	1,2,3,4	1	66 lbs.	Y
S180T932S	SP0714T	PowerFlo Matrix	1 ½/2 SPD	2,3,4	1	66 lbs.	Y
S210T1580X15S	SP0714T	PowerFlo LX	1 ½	2,3,4	1	66 lbs.	Y
S210T93S	SP0714T	PowerFlo Matrix	1 ½	2,3,4	1	67 lbs.	Y
S210T932S	SP0714T	PowerFlo Matrix	1 ½/2 SPD	2,3,4	1	67 lbs.	Y
S210T93STL	SP0714T	PowerFlo Matrix	1 ½	1,2,3,4	1	67 lbs.	Y
S230T1580X15S	SP0714T	PowerFlo LX	1 ½	2,3,4	1	67 lbs.	Y
S230T93S	SP0714T	PowerFlo Matrix	1 ½	2,3,4	1	67 lbs.	Y
S230T932S	SP0714T	PowerFlo Matrix	1 ½/2 SPD	2,3,4	1	80 lbs.	Y

***DOE Compliance:** Meets Department of Energy (DOE) compliance regulations as of manufacturing date. See hayward.com/regulations for details.

System Components

1. 3' twist lock cord (UL)
2. PowerFlo Matrix pump
3. 1 ½" hose packages include: two (2) 1 ½" x 6' lengths of hose, hose adapters and hose clamps
4. Deluxe one piece base accepts automatic chlorine feeders (CL110ABG/CL220ABG)
5. Includes hose adapters

Optional Accessories — **OPEN LINE**

Model Number	Description	Ctn. Qty.	Ctn. Weight
SP1500UNPAK2	Set of two (2) quick connect unions	50	32 lbs.
EC1155	1 ½" Hose Kit With Adapters and Clamps	1	3.5 lbs.
EC1079SPK24	24-piece 1 ½" x 6' Spiral Hose Pack	1	25 lbs.

For replacement parts see pages 215–217.

VL Series™

TOP-MOUNT SAND FILTERS SYSTEMS

EXPERT LINE



VL 40 Series System

VL Series Filter System Buying Guide

Model Number	Filter Control Valve	Pump	H.P.	Sand Capacity	System Components	Ctn. Qty.	Ctn. Weight	DOE Compliant*
VL40T32	4 Position	VL 40 Series	30 GPM	42 lbs.	1	1	29 lbs.	Y

System Components

1. Includes hose adapters

***DOE Compliance:** Meets Department of Energy (DOE) compliance regulations as of manufacturing date. See hayward.com/regulations for details.

VL Series above-ground systems offer the performance and reliability expected from the world's leading provider of above ground equipment.

The VL 40 series system is easy to assemble with an integrated pump base, an incredibly quiet pump and proven sand filter technology for trouble-free operation.

System Features

- VL 40 series is designed for pools up to 10,000 gallons
- Designed for quick assembly and precise alignment of components
- Pumps and filters are performance-matched to provide maximum flow and energy efficiency
- Multi-position valve provides maximum flow at low pressure drop
- Durable filter bases for long-lasting, all-weather performance

VL40T32 includes:

- 13" Polymeric Tank
- 4-Position Filter Valve
- 30 GPM Pump
- Integrated Pump Base
- 1 ¼" and 1 ½" Hose Adapters

For replacement parts see pages 220–221.

The importance of proper swimming pool or spa filtration can not be overstated. The reasons for filtration are obvious — clear water not only looks beautiful, but it is also necessary for health and safety reasons. Much of the material suspended in the water, derived from plant and animal sources, provides food for bacteria and algae. It is these materials that must be removed if a pool or spa is to be maintained in a safe and sanitary condition.

The three most popular types of filtration currently in use in residential pools and spas are high-rate sand, cartridge and diatomaceous earth (D.E.). Each method of filtration is explained below.

High-Rate Sand

The oldest and most popular method of filtration is sand. Sand filters share two things in common: 1) When in the filtration mode, water always flows from top to bottom; 2) They all have some sort of lateral or underdrain with slots to hold back sand while allowing clean, filtered water to pass through.

High-rate sand filters use a special filter sand, normally .45 to .55 mm (also known as pool-grade #20 silica sand), because it has sharp edges that serve to separate particles, allowing filtration to take place. They operate on the basis of "depth" filtration; dirt is driven through the sand bed and trapped in the minute spaces between the particles of sand. Initially, a clean sand bed will remove larger particles, and then, as the bed starts to load up, it will remove finer particles.

Cleaning of the media, or sand bed, is accomplished through reversing the flow through the filter, to the "waste" line. This is known as backwashing.

Cartridge

Cartridge filtration has been available for a relatively long time, but only recently has it begun to enjoy rapid growth and acceptance.

When water passes through a cartridge filter, dirt is screened out at the surface of the cartridge element. When clean, the element will trap larger particles, with finer particles being filtered out as the pores of the element become clogged by the larger debris.

The cartridge element can be removed and cleaned by pressure washing inside and out with a garden hose.

A key benefit of cartridge filtration is that it does not require a backwash valve. This reduces head loss which, in turn, improves the efficiency of the overall system.

Diatomaceous Earth (D.E.)

Many pool professionals consider D.E. filtration to be the finest, because it is capable of removing smaller particles than either sand or cartridge.

Diatomaceous earth is a porous powder with microscopic openings, that, when magnified, look like tiny sponges. Clear water can pass through these openings, but particles, as small as five microns, are trapped the first pass through the media.

All D.E. filters have internal elements that become coated with D.E. It is this "filter cake" that strains dirt, dust, algae and some forms of bacteria from the water.

Similar to sand filters, when a D.E. filter becomes dirty, it is cleaned either by backwashing the clogged D.E. to the "waste" line or regenerating and draining. To restore filtration, a fresh "charge" of D.E. is added to the filter.

Water Chemistry

Whatever method of filtration is selected, it is important to remember that filtration alone does not keep water looking its best. Proper water chemistry must also be maintained for safe, clean water. Most pool owner complaints are directly related to water chemistry or improper sizing of filters and pumps rather than equipment failures.

Technical Data – Filtration

Filtration Method	Suggested Filtration Rate		Approximate Filtration Range (Microns)
	Residential (GPM/ft.^{2})	Commercial (GPM/ft.^{2})	
High-Rate Sand	20	20	20 to 40
Cartridge	1*	.375	10 to 20
Diatomaceous Earth	2.5	2	5

NOTE: *Use Commercial Filtration Rate (.375 GPM/ft^2) to meet APSP-15

Sources: (1) NSPI. Basic Pool & Spa Technology (2/88 Edition; Section 1.4: Filters)
(2) Hayward Pool Products Technical Bulletin TMF-12.

For proper filter sizing techniques, please see "Filter Sizing" section 4B on page 24.



High-Rate Sand Filter



Cartridge Filter



Vertical Grid Diatomaceous Earth (D.E.) Filter

HeatPro® VS

VARIABLE-SPEED HEAT AND COOL PUMP



HP50951T HeatPro VS

Engineered to be just as high-performing as our industry-leading HeatPro heat and cool pump, the HeatPro VS heat pump leverages variable-speed technology to maximize energy and cost savings while minimizing operational noise. As the first AHRI-certified inverter-driven variable-speed heat and cool pump in North America, it features a vertical discharge fan that allows for easy installation in any in-ground pool pad. With efficient operation in even the coldest ambient temperatures, it's the smartest way for any pool owner to get more out of their investment.

Applications

- In-ground pools

Features and Benefits

- Inverter-driven variable-speed technology features best-in-class part-load COP and incredibly quiet operation
- Intuitive control panel provides a seamless user experience via touchscreen digital display
- Vertical discharge fan allows for versatile installation in any in-ground pool pad
- Heat and Cool. This heat and cool heat pump, together with low ambient temperature feature, will extend the swimming season
- Soft Start driven by inverter technology, it gives customers no excessive inrush current during the starting process
- Titanium heat exchanger offers superior corrosion resistance to fight against damage and premature failure caused by unbalanced water chemistry
- AHRI certification means independent lab testing confirms product performance and value

Specifications & Dimensions

Model Number	HP51202T	HP50952T
BTU Heating Capacity		
80/80/80*	120,000	97,000
80/80/63*	112,000	92,000
50/80/63*	65,000	60,000
BTU Cooling Capacity		
95/90/80*	48,000	42,000
Coefficient of Performance, Heating		
80/80/80*	5.8	5.3
80/80/63*	5.5	5.1
50/80/63*	4.0	4.0
Compressor Speed	Variable	Variable
Fan Speed	Variable	Variable
Minimum Operating Temperature	40°F	40°F
Power Supply	208-230V/60 Hz/1 Ph	208-230V/60 Hz/1 Ph
kW Input (80/80/80)	6.1	5.4
Minimum Circuit Amps	45	43
Maximum Fuse Breaker Size	60	60
Water Flow Rate (min/max)	28/75 GPM	25/75 GPM
Water Connection	2" Socket x 2.5" Spigot Union	2" Socket x 2.5" Spigot Union
Refrigerant	R410A	R410A
Unit Dimensions	36.2" D x 33.8" W x 44.2" H	36.2" D x 33.8" W x 44.2" H
Unit Weight	286 lbs.	251 lbs.
Unit Shipping Dimensions	42.3" D x 39.2" W x 48.0" H	42.3" D x 39.2" W x 48.0" H
Unit Shipping Weight	381 lbs.	346 lbs.

*Ambient Air Temperature/Water Temperature/Relative Humidity

For replacement parts see pages 228–229.

HeatPro® Heat Pumps

FOR IN-GROUND AND ABOVE-GROUND POOLS AND SPAS

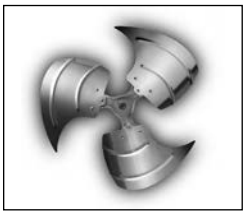
The Hayward Titanium HeatPro heat pump provides an energy efficient solution to your pool heating options. With its Titanium Heat Exchanger and Hayward Quiet Technology, HeatPro heat pumps heat pool water more efficiently for a fraction of the cost of gas while maintaining a quiet relaxed backyard environment. Depending on individual use and application of your pool, a heat pump may be right for you.

Titanium Heat Exchanger



Titanium heat exchanger for unrivaled, uncompromising and trouble-free performance – even under the harshest conditions.

Quiet Technology



Profiled fan blade design provides high-performance and quiet operation.



Acoustic compressor cover minimizes compressor sound for a quiet backyard.

High Performance Evaporator Coil and Union Connections



Ultra Gold corrosion resistant evaporator coil provides lasting performance and excellent durability, especially in coastal environments.

Digital LCD Control Panel



Easy to read digital temperature display with temperature lock-out capability.

Footprint



2" x 2 ½" Union Connections for high efficiency plumbing and easy installation and maintenance.

Compact footprint allows for easy installations, is ideal for retrofit replacements, and has integrated hurricane tie-downs to meet local codes without the need for accessory kits.

For replacement parts see pages 234–235, 242–247.



HP31005T HeatPro



HP21404T HeatPro

Specifications & Dimensions

Model Number	80.6ºF Air 80°F Water 80% RH	BTU/C.O.P 80.6ºF Air 80°F Water 63% RH	50°F Air 80°F Water 63% RH	Platform	Voltage/ Hertz/Phase	MIN Circuit Protection	Size Width x Depth	Height	Weight (lbs.) Unit	Ship
Vertical Discharge Heat										
HP21004T	90,000/5.7	85,000/5.5	59,000/4.0	Square	230/60/1	40A	30 ¼" x 34"	37"	230	270
HP21004TC*	90,000/5.7	85,000/5.5	59,000/4.0	Square	230/60/1	40A	30 ¼" x 34"	37"	230	270
HP21124T	110,000/5.7	107,000/5.4	75,000/4.0	Square	230/60/1	50A	30 ¼" x 34"	44"	245	285
HP21254T	125,000/5.7	120,000/5.5	80,000/4.0	Square	230/60/1	50A	30 ¼" x 34"	37"	245	285
HP21404T	140,000/5.7	130,000/5.5	85,000/4.0	Square	230/60/1	50A	30 ¼" x 34"	44"	280	320
HP21404TC*	140,000/5.7	130,000/5.5	85,000/4.0	Square	230/60/1	50A	30 ¼" x 34"	44"	280	320
NOTE: *Low Ambient Operation – Continues to Heat to Temperatures as low as 40°F.										
Vertical Discharge Heat and Cool with Low Ambient Operation										
HP31005T	100,000/6.4	94,000/6.2	61,000/4.2	Round	208-230/60/1	50A	30 ¼"	40"	245	285
HP31204T	120,000/5.7	110,000/5.4	78,000/4.0	Square	230/60/1	50A	30 ¼" x 34"	37"	250	290
Horizontal Discharge Heat and Cool with Low Ambient Operation										
HP50HA2	47,000/6.0	44,000/5.8	28,500/4.0	Side Air	230/60/1	25A	44 ½" x 18"	26"	152	160
HP70HA2	70,000/5.3	65,000/5.1	48,000/4.0	Side Air	230/60/1	30A	45 ¼" x 18 ½"	35"	230	270



HP50HA2 / HP70HA2

Universal HC Series

DUAL-FUEL TECHNOLOGY GAS HEATER

EXPERT LINE



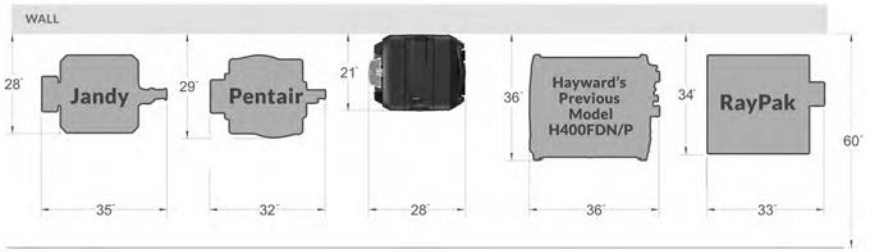
Universal HC Series Heater

Universal HC Series dual-fuel technology gas heaters are uniquely engineered for use with Hayward® plumbing adapters, making them an easy drop-in replacement for other heater brands. The heat exchanger is made from cupro nickel for added reliability, and the easy-out air/gas mixing orifice makes propane conversion fast and simple. The small footprint with zero wall clearance fits in even the most compact equipment pads, while the refined gas controls and remote connectivity provide a simple user experience with added service convenience.

Specifications & Dimensions

Model Number	BTU	Supply Voltage	Water Connections	Heater Size W x D x H	Footprint Size W x D	Weight (lbs.) Unit	Ship
HDF400	400,000	240/120 VAC	2"/2.5"	28" x 21" x 31"	21" x 21"	135	170
HDF275	275,000	240/120 VAC	2"/2.5"	28" x 21" x 31"	21" x 21"	135	170

The Industry's Smallest-Footprint Heater*



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Applications

- Outdoor or indoor

Features and Benefits

- **Top-access design** eliminates the need to remove side panels and kneel during service
- **Low NOx emissions** meet clean air quality standards and offer premium heating performance
- **Cupro nickel heat exchanger** comes standard, protecting against water corrosion and natural wear
- **Zero wall clearance** ensures a seamless fit in smaller equipment pads and tight spaces
- **Easy-out mixing orifice** allows for easy in-field conversion between natural gas and propane
- **Quick-access reversible top** easily swaps plumbing from from right to left while providing access to gas shutoff, voltage selection and more, all via a single fastener
- **Compact, lightweight design** makes installation easy in any environment
- **Integral tie-down connections** on the base make for easy hand truck transport with no extra tie-down brackets required
- **Patented butterfly bypass valve** enables flow rates up to 125 GPM without extra accessories
- **Exclusive plumbing adapters** allow for simple drop-in replacement with no pipe cutting required
- 3+ year parts and labor warranties**

*Among leading competitive brands

**When sold by a Totally Hayward® Partner. Exclusions, other terms and conditions may apply — visit hayward.com/expert for details.

For replacement parts see pages 244–245.

Universal H-Series Low NOx

FOR IN-GROUND POOLS AND SPAS

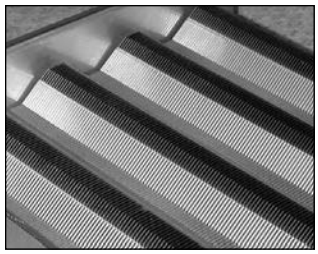
The Hayward Universal H-Series gas heater is the "universal" energy efficient remedy for any new or existing pool or spa. An industry leading hydraulic design reduces circulation pump run time to provide energy savings of up to 18% when compared to less efficient competitors. The energy efficiency of the Universal H-Series gas heater combines with environmentally friendly low NOx emissions, a standard cupro nickel heat exchanger and ultimate installation flexibility on new or existing equipment pads to responsibly heat a pool or spa today and for years to come.

The forced draft system in the Universal H-Series constantly moves air through the combustion chamber at a precise flow rate eliminating outside weather variables that can affect heating performance. Wind conditions are eliminated and there is no need to install a high-wind stack.

Note: Hayward Universal H-Series heaters meet or exceed the South Coast Air Quality Management District (SCAQMD Rule 1146.2) Low NOx emissions standards in all Low NOx areas that apply the SCAQMD standard.

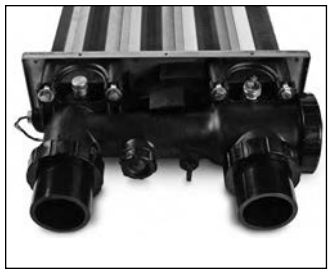
FOR INDOOR/OUTDOOR USE
(Indoor use requires vent kit)

State-of-the-Art Fin Plate Heat Exchanger with *Cupro Nickel*



All Hayward heat exchangers are constructed of highly resilient Cupro Nickel for greater durability and longevity even in salt-based, high flow, or aggressive water chemistry conditions. Our patented single header "V" baffle design heat exchangers provide for long life and fast heating.

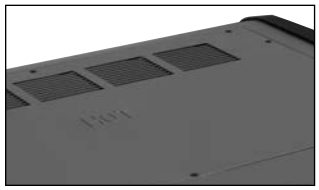
Patented Bypass Design for Superior Hydraulic Performance



Patented polymer header design provides superior hydraulic performance to save energy and protect against the damaging effects of erosion from high flow conditions for greater reliability.

2" x 2 ½" CPVC unions are perfect for today's larger diameter hydraulically efficient plumbing systems.

Forced Draft System



Forced draft system constantly moves air through the combustion chamber at a precise flow rate, eliminating all outside weather variables that can effect the heating performance, such as high wind conditions — without a high wind stack.



L.E.D. Control Panel

Easy-to-read L.E.D. Control Panel provides digital temperature readout, diagnostics and electronic "lock-out" of temperature set-point.

For replacement parts see pages 248–249.



H400FDN Universal H-Series Low NOx Heater

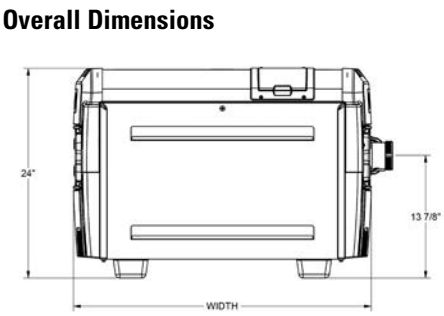
Specifications & Dimensions

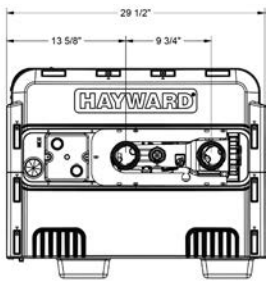
120V/240V 60 Hz with Silicon Nitride Hot Surface Ignition

Model Number	Gas Type	BTU Input	Thermal Efficiency	Heater Width	Ctn. Qty.	Ctn. Weight
H150FDN H150FDP	Natural Propane	150,000	82.7%	19"	1	135 lbs.
H200FDN H200FDP	Natural Propane	199,900	83.0%	22"	1	140 lbs.
H250FDN H250FDP	Natural Propane	250,000	84.0%	25"	1	165 lbs.
H400FDN H400FDP	Natural Propane	399,900	84.0%	34"	1	205 lbs.
H500FDN H500FDP	Natural Propane	500,000	83.0%	40"	1	245 lbs.

NOTE: All models include Cupro Nickel Long Life Heat Exchanger.

Overall Dimensions





Adapter Kit

FOR UNIVERSAL H-SERIES HEATERS



Adapter Kit for Universal H-Series Heaters

This one-a-kind Adapter Kit is the easiest way to replace Jandy® JXi™ or Pentair® MasterTemp® heaters with Hayward® Universal H-Series heaters. It eliminates the need for site re-plumbing of water piping attached to the equipment pad, saving both time and hassle.

Hayward Universal H-Series heaters offer major energy and cost savings compared to other leading brands—and it's never been easier to upgrade from a Pentair or Jandy heater to a Universal H-Series heater than with this first-of-its-kind adapter kit. It eliminates the need for site re-plumbing of water piping attached to the equipment pad, saving both time and hassle.

Applications

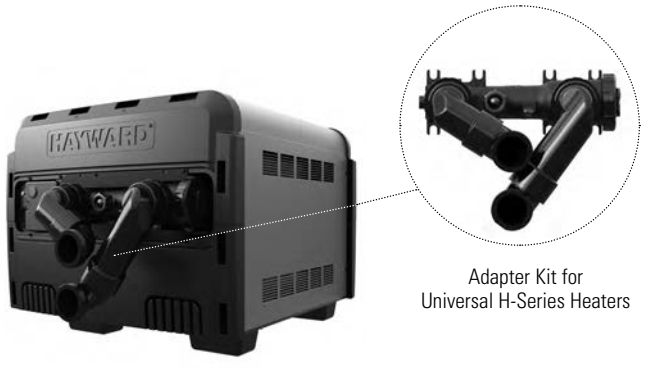
- Replaces Jandy JXi heater with Hayward Universal H-Series heater
- Replaces Pentair MasterTemp heater with Hayward Universal H-Series heater

Features and Benefits

- Convenient to install; just align, adapt, and connect
- Compatible with existing water plumbing, saving time and cost
- Greatly decreases heater pressure drop for better overall heating performance.
- Innovative, low-profile configuration

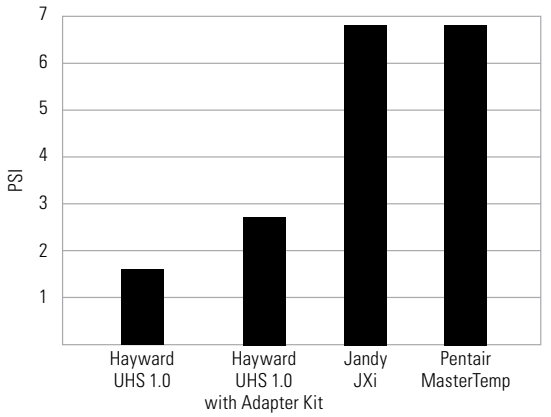
Adapter Kit Buying Guide

Kit Number	Description	Ctn. Qty.	Ctn. Weight
UHXWJAK1930	Adapter Kit to replace Jandy JXi Heater with Universal H-Series Heater	1	4.2 lbs.
UHXWPAK1930	Adapter Kit to replace Pentair MasterTemp Heater with Universal H-Series Heater	1	4.2 lbs.



Adapter Kit for Universal H-Series Heaters

MEASURED PRESSURE DROP AT 60 GPM



Indoor Vent Adapter Kits
HORIZONTAL Venting – POSITIVE Pressure

This Kit enables indoor installation where the exhaust vent pipe termination is horizontal with stainless steel vent pipe and vent terminals special ordered from M&G DuraVent Inc., or from Heatfab Division of Selkirk Corporation. This Kit **DOES NOT** allow the use of galvanized, non-sealed pipe.

Universal H-Series Model No.	Kit Part Number: HORIZONTAL Venting Applications (POSITIVE Pressure)	Vent Pipe Diameter	Vent Termination Requirement	Vent Pipe Material	Vent Pipe Limitations	Description
H150FD	UHXPOSHZ11506	6 inch (Natural / LP)	HORIZONTAL or VERTICAL Termination Immediately Outside Wall of House / Building	Single or Double Wall STAINLESS STEEL SEALED Vent Pipe	(50) Foot MAXIMUM with (1) ELBOW	Indoor Vent Adapter Kit POSITIVE Pressure, HORIZONTAL or VERTICAL Venting Applications
H200FD	UHXPOSHZ12006					
H250FD	UHXPOSHZ12506	6 inch (LP)				
	UHXPOSHZ12504*	4 inch (Natural)			(40) Foot MAXIMUM with (2) ELBOWS	
H300FD	UHXPOSHZ13008	8 inch (Natural / LP)				
H350FD	UHXPOSHZ13508					
H400FD	UHXPOSHZ14008	8 inch (LP)			(30) Foot MAXIMUM with (3) ELBOWS (horizontal or vertical)	
	UHXPOSHZ14006**	6 inch (Natural)				
H500FD	UHXPOSHZ15006**	6 inch (Natural / LP)				

*Kit must be accompanied by UHXHFA004 or UHXDVA004
**Kit must be accompanied by UHXHFA006 or UHXDVA006

Indoor Vent Adapter Kits
VERTICAL Venting – NEGATIVE Pressure

This Kit enables indoor installation where the exhaust vent pipe termination is required to be vertically terminated a minimum of 3 feet above the roof and a minimum of 2 feet above any portion of a building within 10 feet horizontally. This Kit **DOES NOT** allow horizontal vent termination.

Universal H-Series Model No.	Kit Part Number: VERTICAL Venting Applications (NEGATIVE Pressure)	Vent Pipe Diameter	Vent Termination Requirement	Vent Pipe Material	Vent Pipe Limitations	Description
H150FD	UHXNEGVT11506	6 inch (Natural / LP)	VERTICAL ONLY: Termination Above Roof of House / Building	Single or Double Wall Galvanized Steel Non-Sealed Vent Pipe	Installation per NFPA Code	Indoor Vent Adapter Kit NEGATIVE Pressure, VERTICAL Venting Applications
H200FD	UHXNEGVT12006					
H250FD	UHXNEGVT12506					
H300FD	UHXNEGVT13008	8 inch (Natural / LP)				
H350FD	UHXNEGVT13508					
H400FD	UHXNEGVT14008					
H500FD	UHXNEGVT15008					

Universal H-Series Indoor Vent Kit Matrix

INDOOR VENT ADAPTER KITS

Positive-Pressure (CATIII) Indoor Vent Kits with Vent Pipe and Terminal Specifications

Heater Model	Indoor Vent Kit Part Number	Maximum Installation Altitude (ft.)	Vent Pipe Dia. (in)	Appliance Adapter	Vent Pipe Type	Heatfab Saf-T Vent EZ Seal (CI Plus) or DuraVent FasNSeal (W2)		
						Vent Pipe Part Number	Horizontal Vent Terminal Part Number	Vertical Vent Terminal Part Number
150 200	UHXPOSHZ11506 UHXPOSHZ12006	10,100	6	Heatfab adapter included in kit	Single-Wall	HeatfabP/N 960x*	HeatfabP/N 9614TERM	HeatfabP/N 5600CI
					Double-Wall	HeatfabP/N CCA06Lx**	HeatfabP/N 9614TERM	HeatfabP/N CCA06RC
250	UHXPOSHZ12506	10,100	6	Heatfab adapter included in kit	Single-Wall	HeatfabP/N 960x*	HeatfabP/N 5690CI‡	HeatfabP/N 5600CI
					Double-Wall	HeatfabP/N CCA06Lx**	HeatfabP/N CCE06WP‡	HeatfabP/N CCA06RC
250-FDN (NAT ONLY)	UHXPOSHZ12504	2,000	4	UHXDVA004 (4" Duravent adapter)	Single-Wall	DuraVentP/N FSVLx04†	DuraVentP/N FSTT4	DuraVentP/N FSRC4
					Double-Wall	DuraVentP/N W2-x04†	DuraVentP/N FSTT4	DuraVentP/N W2-RC4
				UHXHFA004 (4" Heatfab adapter)	Single-Wall	HeatfabP/N 940x*	HeatfabP/N 9414TERM	HeatfabP/N 5400CI
					Double-Wall	HeatfabP/N CCA04Lx**	HeatfabP/N 9414TERM	HeatfabP/N CCA04RC
300 350 400	UHXPOSHZ13008 UHXPOSHZ13508 UHXPOSHZ14008	10,100	8	Heatfab adapter included in kit	Single-Wall	HeatfabP/N 980x*	HeatfabP/N 5890CI‡	HeatfabP/N 5800CI
					Double-Wall	HeatfabP/N CCA08Lx**	HeatfabP/N CCE08WP‡	HeatfabP/N CCA08RC
400	UHXPOSHZ14006	2,000	6	UHXDVA006 (6" Duravent adapter)	Single-Wall	DuraVentP/N FSVLx06†	DuraVentP/N FSTT6	DuraVentP/N FSRC6
					Double-Wall	DuraVentP/N W2-x06†	DuraVentP/N FSTT6	DuraVentP/N W2-RC6
				UHXHFA006 (6" Heatfab adapter)	Single-Wall	HeatfabP/N 960x*	HeatfabP/N 9614TERM	HeatfabP/N 5600CI
					Double-Wall	HeatfabP/N CCA06Lx**	HeatfabP/N 9614TERM	HeatfabP/N CCA06RC
500	UHXPOSHZ15006	10,100	6	UHXDVA006 (6" Duravent adapter)	Single-Wall	DuraVentP/N FSVLx06†	DuraVentP/N FSTT6	DuraVentP/N FSRC6
					Double-Wall	DuraVentP/N W2-x06†	DuraVentP/N FSTT6	DuraVentP/N W2-RC6
				UHXHFA006 (6" Heatfab adapter)	Single-Wall	HeatfabP/N 960x*	HeatfabP/N 9614TERM	HeatfabP/N 5600CI
					Double-Wall	HeatfabP/N CCA06Lx**	HeatfabP/N 9614TERM	HeatfabP/N CCA06RC

*For Heatfab single-wall vent pipe section length, "x" should be: 1, 2, 4, 5, or 7, where 1=6 inches, 2=12 inches, 4=18 inches, 5=24 inches, and 7=36 inches.

**For Heatfab double-wall vent pipe section length, "x" should be: 06, 09, 12, 18, 24, or 36, indicating the length of the vent pipe section in inches.

†For DuraVent vent pipe section length, "x" should be: 6, 12, 18, 24, or 36, indicating the length of the vent pipe section in inches.

‡For these horizontal terminals, the wall penetration is included from the vent manufacturer. On all others, it must be ordered separately.

Hayward's H-Series 135,000 BTU heater for above-ground pools and spas combines leading technology with ease of operation and superior performance.

Featuring a standard cupro nickel heat exchanger and an energy-efficient combustion chamber, the Hayward heater provides 135,000 BTU input.

A forced-draft design makes this heater completely impervious to any high wind situations. The patented polymer header design provides superior hydraulic performance. And a simple plug-in 120 volt electric cord is provided for simple installation.

Applications – Outdoor Use Only

- Above-ground pools
- Spas

Features

- 135,000 BTU input for above-ground pools and spas
- Standard Cupro nickel heat exchanger for greater durability in high flow or occasionally aggressive water chemistry conditions
- Electronic thermostat with easy to read LED digital display of temperature and diagnostics
- Forced draft combustion eliminates all outside weather variables such as high-wind conditions
- Meets the South Coast Air Quality Management District (SCAQMD Rule 1146.2) Low NOx emissions standards in all Low NOx areas that apply the SCAQMD standard.
- Plug-in 120 volt electric cord (3 ft.) for easy installation
- UPS/FedEx shippable



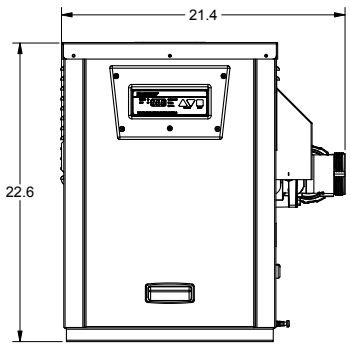
H135 H-Series 135,000 BTU Heater

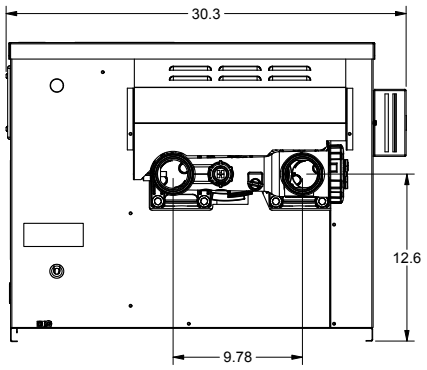
H-Series Buying Guide

120 Volt 60 Hz with Silicon Nitride Hot Surface Ignition

Model Number	Gas Type	BTU Input	Thermal Efficiency	Ctn. Qty.	Ctn. Weight
H135ID1	Natural	135,000	82%	1	100 lbs.
H135IDP1	Propane	135,000	82%	1	100 lbs.

Overall Dimensions

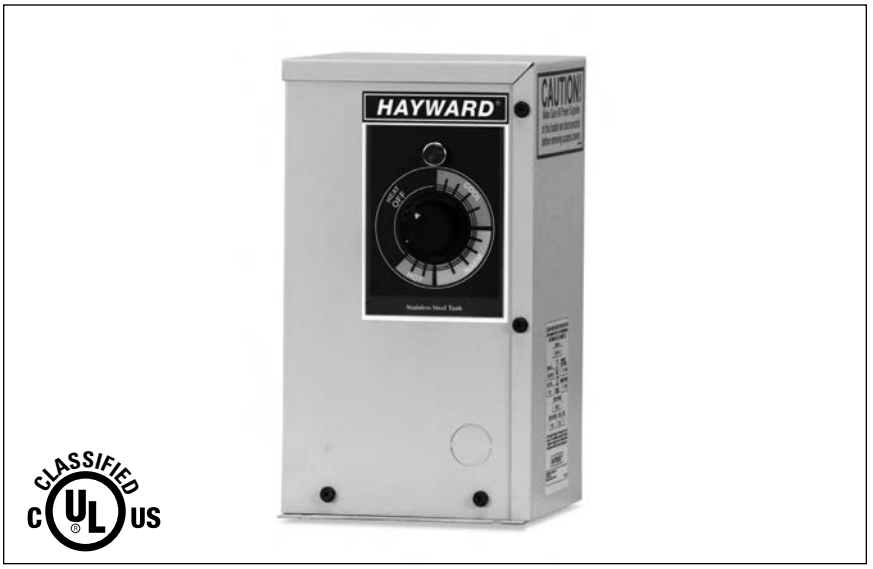




For replacement parts see pages 254–255.

Spa Heaters

ELECTRIC SPA HEATERS



CSPAXI Series Heater

Hayward electric spa heaters contain all of the sophisticated features and capabilities of heaters twice their size. The electric heaters fit into compact spaces — even under spa skirts or steps. Like all Hayward heaters, they are easy to install and service.

Applications

- Hot Tubs
- Spas (above 70 G.P.M. an external by pass is recommended)

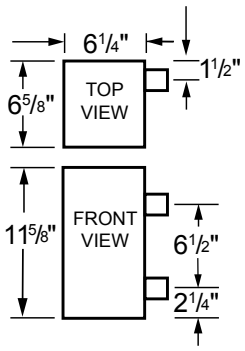
Features

- 304 stainless steel tank
- 304 stainless steel threaded head, safety sensor electric heating element
- Service-ease design gives simple access to internal controls
- Heater on indicator light
- UPS Shippable

Spa Heater Buying Guide

Model Number	KW	Voltage	Pipe Size	Ctn. Qty.	Ctn. Weight
CSPAXI Electric Spa Heaters					
CSPAXI55	5.5	240	1 ½"	1	14 lbs.
CSPAXI11	11	240	1 ½"	1	14 lbs.

Overall Dimensions



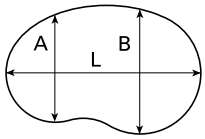
For replacement parts see pages 226–227.

Heater Selection Guide

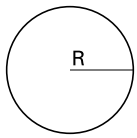
SELECTING THE CORRECT SIZE HEATER FOR POOLS & SPAS

Pool Sizing

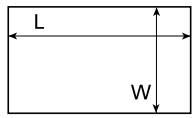
Determine your pool's surface area in square feet:



Area = (A+B)x L x .45



Area = R x R x 3.14



Area = L x W

Locate in the desired table below, the surface area equal to or just greater than the pool's surface area, read to the left and select the appropriate heater.

For indoor pool installations divide the pool's surface area by 3.

Tables are based on a 30˚F temperature rise, 3 ½ MPH average wind velocity and elevation of up to 2,000 feet above sea level.

Recommended Gas Heater for Swimming Pools

Model	Surface Area
HDF275	825
HDF400	1200
H500FD	1500
H400FD	1200
H250FD	750
H200FD	600
H150FD	450

Example:

Rectangular pool: 25 ft. x 30 ft.:

25 x 30 = 750 ft.^{2} Surface Area

Recommended Universal H-Series Model Heater – H250FD

Saving Money by Saving Energy

Energy Efficient

Selecting a high efficiency heater for your new installation, or replacing an older inefficient model can have a significant impact on your fuel bill. Here are some additional energy saving tips.

- Check your pool chemistry regularly to maintain top operating condition.
- Set your pool water's temperature between 78° to 82° for most applications
- Use a pool cover or thermal blanket on your pool when it's not in use. Evaporation accounts for 70% of heat loss from your pool.
- Add wind breaks to your pool. A 7-mph wind at the surface of a pool can increase energy consumption 300%!

Recommended H-Series 135,000 BTU Models for Smaller Pools

Hayward H-Series Gas Heater will Raise Temperature in an 8 Hour Period as follows:

Temperature Rise in 8 Hours		
Pool Size	Gallons	H135 Temperature Rise °F
15' Round	5,300	20
18' Round	7,600	14
12' x 24' Rectangle	8,600	13
21' Round	10,000	11
24' Round	13,500	8
27' Round	17,000	6

We highly recommend that your Hayward Pool heater be used in conjunction with a solar blanket to maximize your heating efficiency.

Spa/Hot Tub Sizing

Determine your spa capacity in gallons (Surface area x average depth x 7 ½).

The reference tables list the time required in minutes to raise the temperature of the spa/hot tub by 30˚F. Locate in the desired table below the spa/hot tub size in gallons equal to or just greater than the spa/hot tub size in gallons. Select the desired time to raise the spa/hot tub temperature 30˚F, read to the left and select the appropriate heater.

This guide can be adjusted for other temperature rises. For example, if you desire a 15˚F increase in temperature, simply divide the time for 30˚F rise by the ratio of 30/15 = 2.

Note: Heat losses and/or heat absorbed by spa walls or other objects will add to heat-up time.

Spa sizing is based on an insulated and covered spa. Always cover your spa or hot tub when not in use to minimize heat loss and evaporation.

Recommended Gas Heater for Spas/Hot Tubs

	Spa/Tub Size in Gallons								
	200	300	400	500	600	700	800	900	1000
Model	Time in minutes to Raise Spa/Tub Temperature 30˚F								
HDF275	13	20	26	33	40	47	53	60	66
HDF400	—	—	18	23	27	32	36	41	45
H500	—	—	—	18	22	25	29	32	35
H400	—	—	18	23	27	32	36	41	45
H250	15	22	29	36	43	51	58	65	72
H200	18	27	36	45	54	63	72	81	90
H150	24	36	48	60	72	84	96	108	120

Recommended H-Series 135,000 BTU Models for Spas/Hot Tubs

	Spa/Tub Size in Gallons								
	200	300	400	500	600	700	800	900	1000
Model	Time in Minutes to Raise Spa / Tub Temperature 30° F								
H135	27	40	53	67	80	94	107	121	134

Recommended CSpaXI Models for Spas/Hot Tubs

	Spa/Tub Size in Gallons								
	200	300	400	500	600	700	800	900	1000
Model	Time in minutes to Raise Spa/Tub Temperature 30˚F								
CSPAXI55	160	240	320	400	480	560	640	720	800
CSPAXI11	80	120	160	200	240	280	320	360	400

Example:

Want a 300 gallon spa to go from 70˚F to 100˚F in 120 minutes.

100˚F

subtract→ 70˚F

30˚F Requested Temperature Rise

Recommended CSPA Model Heater – CPAXI11

Heater Technical Information

GAS SUPPLY AND PIPING: All GAS connections must be in conformance with all applicable local codes, regulations and the National Fuel Gas Code NFPA54/ANSIZ223-1 & ANSI/NFPA 58. To properly size the gas piping for the heater, refer to Tables 10, 11, 12, and 13, depending on natural or propane gas, and single-stage or 2-stage regulation. Follow local gas codes for proper gas line material selection (copper, iron, plastic, etc.). It is **VERY IMPORTANT** when installing a propane heater on a 2-stage regulation system, to follow the gas line sizing data in Tables 12 or 13 without exception.

Table 10. Natural Gas Pipe Sizing (dia. inch), Low-Pressure, Single-Stage Regulation

btu/hr input		135/150,000	200,000	250,000	300,000	350,000	400,000	500,000
Gas Line Material		Iron or PlasticPipe	Iron or PlasticPipe	Iron or PlasticPipe	Iron or PlasticPipe	Iron or PlasticPipe	Iron or PlasticPipe	Iron or PlasticPipe
Distance from Gas Meter to Gas Valve Inlet (ft.)	0 to 50	¾"	1	1	1 ¼"	1 ¼"	1 ¼"	1 ¼"
	50 to 100	1	1	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"
	100 to 200	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	1 ½"	2
	200 to 300	1 ¼"	1 ¼"	1 ½"	2	2	2	2

Based upon an inlet gas pressure of 0.5 psig or less at a pressure drop of 0.5 inwc

Table 11. Propane Gas Pipe Sizing (dia. inch), Low-Pressure, Single-Stage Regulation

btu/hr input		135/150,000		200,000		250,000		300,000		350,000		400,000		500,000	
Gas Line Material		Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing
Distance from Tank Regulator to Gas Valve Inlet (ft.)	0 to 50	¾"	⅞"	¾"	⅞"	1	1 ⅛"	1	1 ⅛"	1	1 ⅛"	1	—	1	—
	50 to 100	¾"	1 ⅛"	1	1 ⅛"	1	1 ⅛"	1	—	1 ¼"	—	1 ¼"	—	1 ¼"	—
	100 to 200	1	1 ⅛"	1	—	1 ¼"	—	1 ¼"	—	1 ¼"	—	1 ¼"	—	1 ¼"	—
	200 to 300	1	—	1 ¼"	—	1 ¼"	—	1 ¼"	—	1 ¼"	—	1 ½"	—	1 ½"	—

Based upon an inlet gas pressure of 11 inwc at a pressure drop of 0.5 inwc

Table 12. Natural Gas Pipe Sizing (dia. inch), High-Pressure, 2-Stage Regulation

btu/hr input			135/150,000	200,000	250,000	300,000	350,000	400,000	500,000
Gas Line Material			Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe	Iron or Plastic Pipe
Distance of 1st Stage then 2nd Stage to Gas Valve Inlet (ft.)	First Stage*	0 to 50	½"	½"	½"	½"	½"	½"	½"
		50 to 100	½"	½"	½"	½"	¾"	¾"	¾"
		100 to 150	½"	½"	½"	¾"	¾"	¾"	¾"
	Second Stage**	0 to 10	¾"	¾"	¾"	¾"	¾"	¾"	1

*Based upon an inlet gas pressure of 2 psig at a pressure drop of 1 psi

**Based upon an inlet gas pressure of 10 inwc at a pressure drop of 0.5 in-wc

Table 13. Propane Gas Pipe Sizing (dia. inch), High-Pressure, 2-Stage Regulation

btu/hr input			135/150,000		200,000		250,000		300,000		350,000		400,000		500,000	
Gas Line Material			Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing
Distance of 1st Stage then 2nd Stage to Gas Valve Inlet (ft.)	First Stage*	0 to 50	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"
		50 to 100	½"	½"	½"	½"	½"	½"	½"	½"	½"	⅝"	½"	⅝"	½"	⅝"
		100 to 150	½"	½"	½"	½"	½"	½"	½"	⅝"	½"	⅝"	½"	⅝"	½"	⅝"
	Second Stage**	0 to 10	½"	⅝"	½"	⅝"	½"	¾"	¾"	¾"	¾"	⅞"	¾"	⅞"	¾"	1

*Based upon an inlet gas pressure of 10 psig at a pressure drop of 1 psi

**Based upon an inlet gas pressure of 11 inwc at a pressure drop of 0.5 inwc

Electric Supply: All electrical wiring must be in conformance with all applicable local codes, regulations and the National Electric Code (NEC), in particular NEC Article 680 & 440.

The Hayward AquaVac 600 cleaner reinvents the robotic cleaner category in more ways than one. Engineered with 18 hydroclones, the SpinTech™ filterless technology ensures constant suction power. HexaDrive™ adaptive traction expertly climbs and thoroughly scrubs walls with six rugged variable-speed driven rollers that grip any pool surface. And a unique TouchFree(tm) debris canister, with no filter or bags to clean, guarantees a mess-free clean.

Applications

- In-ground residential pools – gunite, vinyl, fiberglass, tile and pebble
- AquaVac 600 is for pools up to 20' x 40'
- Cleans pool floor, walls, coves and waterline

Features

Maintains constant suction power

- Engineered with 18 hydrocyclones, SpinTech™ filterless technology creates a swirling spiral of suction, maintaining maximum power until the job is done.

Easily navigates any pool surface

- HexaDrive™ adaptive traction expertly climbs and thoroughly scrubs walls with six rugged variable-speed-driven rollers that grip any pool surface.

Empties and rinses itself

- A TouchFree™ debris canister gets rid of the mess with the press of a simple quick release button—no filter or bags to clean, and best of all, you won't have to get your hands dirty.

Caddy Cart and Power Supply included with AquaVac 600.



AquaVac 6 Series

AquaVac 6 Series Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
RCH601CUY	AquaVac 600 Robotic Pool Cleaner	1	43 lbs.

Product Specifications	
	AquaVac 600
Pool Size	Up to 20' x 40'
Pool Surface	Gunite, vinyl, fiberglass, pebble
Pool Coverage	Pool floor, walls, coves, waterline
Cleaning Modes	Pool floor only Pool floor, wall and waterline
Cleaning Cycles	2.5 Hours for full cycle 90 minutes for bottom only
Cleaning Schedule	Recurring 48-hour cleaning mode
Remote Control and WiFi Operation	N/A
Tug & Catch Retrieval	N/A
Advanced Light Display	N/A
Warranty	3-year



Caddy Cart



Power Supply

For replacement parts see pages 272–273.

TigerShark®
ROBOTIC CLEANER

EXPERT LINE



TigerShark

TigerShark Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
RC9950CUB	TigerShark Robotic Cleaner	1	42 lbs.
RC9990CUB	TigerShark® QC Robotic Cleaner	1	42 lbs.
Accessories			
RC99385	Premium Caddy Cart	1	17 lbs.
RCX70101PAK2	Replacement Filters *(set of 2)*	5	4 lbs.
RCX70103PAK2	Spring Clean-up Filters *(set of 2)*	5	2 lbs.

Product Specifications

	TigerShark	TigerShark QC
Pool Coverage	Pool floor, walls, coves, waterline	
Cleaning Cycle	4 hours	4 hours/90 minutes Quick Clean
Cleaning Schedule	Manual start	
Pool Size	up to 20' x 40'	
Pool Surface	Gunite, vinyl, fiberglass, pebble and tile*	
Cord Length	55'	
Filter Media Access	Bottom access – removable debris container	
Warranty	2-year	3-year

NOTE: *Tile may require foam roller option

The TigerShark® family is recognized for its superior performance in reliability and efficiency. TigerShark makes sure virtually every area of your pool gets that much cleaner, and fast! The TigerShark® QC automatic robotic cleaner is no exception with a fast 90 minute Quick Clean cycle.

Applications

- In-ground residential pools – gunite, vinyl, fiberglass, pebble and tile
- Cleans pool floor, walls, coves and waterline

Features

Efficient cleaning programs

- All TigerShark models come with a standard 4-hour complete cleaning cycle for full floor, walls, coves and waterline.
- Patented Quick Clean technology (TigerShark QC model) provides a fast 90 minute cycle.

Powerful vacuum strength

- On-board pump for intense vacuum power to suck up dirt and debris.
- Built with an efficient 24-volt motor designed to use less energy and lower cost.

Unique cartridge filter system

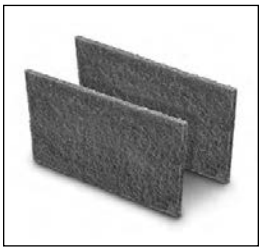
- Makes emptying easy, just open the cleaner, remove the cartridge and rinse with a hose.

Easy to use

- No extra hoses, hookups or pumps required.
- Runs separately from the pool's filtration system reducing the frequency of filter backwash cycles.



Optional Premium Caddy Cart – RC99385 (sold separately)



Spring Clean-up Filter Elements for heavier debris– RCX70103PAK2 (sold separately)

For replacement parts see pages 278–279.

Both SharkVac and SharkVac XL™ are built with the highest-quality components and proven technology that create reliable, consistent results while maximizing energy efficiency. Whether you clean your pool floor and coves with SharkVac or cover the floor, walls, coves and waterline with SharkVac XL, the cleaners' robust, low-profile design and top-access filters give them an added bite.

Applications

- In-ground residential pools – gunite, vinyl, fiberglass, pebble and tile
- Cleans pool floor and coves (SharkVac); cleans pool floor, walls, coves and waterline (SharkVac XL)

Features

Efficient cleaning program

- Features a smart steering technology that provides an efficient cleaning pattern for complete pool coverage.

Easy top-access to debris removal

- Top-access filter allows quick debris removal and easy cleanup.
- 2 fine porosity filter elements – just remove and rinse with garden hose.

Easy to use

- Requires no hoses or hookups nor additional pumps – just let it clean.
- Runs separately from the pool's filtration system, reducing the frequency of filter backwash cycles saving both time and money.

Sensors (SharkVac XL only)

- Out-of-water sensor protects the motor by preventing cleaners from running out of the water.
- Beach-entry sensor reverses direction when pool cleaner starts climbing out of the water.



SharkVac & SharkVac XL

SharkVac & SharkVac XL Buying Guide

Model Number*	Description	Ctn. Qty.	Ctn. Weight
SharkVac			
RC9740CUB	SharkVac Robotic Cleaner	1	48 lbs.
RC9742CUBY	SharkVac Robotic Cleaner with Caddy Cart	1	54 lbs.
SharkVac XL			
RC9740WCCUB	SharkVac XL Robotic Cleaner	1	48 lbs.
RC9742WCCUBY	SharkVac XL Robotic Cleaner with Caddy Cart	1	53 lbs.
Accessories			
RC97385D	Caddy Cart	1	9 lbs.
RCX70101PAK2	Replacement Filters *(set of 2)*	5	4 lbs.
RCX70103PAK2	Spring Clean-up Filters *(set of 2)*	5	2 lbs.

Product Specifications		
	SharkVac by Hayward®	**SharkVac XL™ by Hayward®**
Pool Coverage	Pool floor, coves	Pool floor, walls, coves, waterline
Cleaning Cycle	2 hours	3 hours
Cleaning Schedule	Manual start	
Pool Size	up to 20' x 40'	
Pool Surface	Gunite, vinyl, fiberglass, pebble and tile*	
Cord Length	50'	60'
Filter Media Access	Top access – removable debris container	
Warranty	2-year	2-year

NOTE: *Tile may require foam roller option



Caddy Cart – RC97385D included with Model RC9742CUBY and RC9742WCCUBY (sold separately with Model RC9740CUB and RC9740WCCUB)



Spring Clean-up Filter Elements for heavier debris – RCX70103PAK2 (sold separately)

For replacement parts see pages 280–281.

Navigator® V-Flex™

AUTOMATIC SUCTION CLEANER WITH V-FLEX™ TECHNOLOGY

EXPERT LINE



Navigator V-Flex

Navigator V-Flex Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
HSC925CC	Navigator V-Flex Suction Cleaner, Gunite	1	20 lbs.
HSC925CV	Navigator V-Flex Suction Cleaner, Vinyl	1	20 lbs.

Product Specifications	
Pool Coverage*	Pool floor, walls, coves
Drive Sequence	SmartDrive programmed steering system
Traction System	Pod and shoes
Turbine Type	Patented V-Flex variable vane technology
Pool Size	up to 20' x 40'
Pool Surface**	Gunite, vinyl, fiberglass, pebble and tile
Hose Length	Approximately 40'
Warranty	2-year

NOTES: *Wall climbing capability and pool coverage may be affected by specific pool shapes and surfaces. The cleaner may not climb the wall under certain conditions.
**Different shoe types available for different pool surfaces



Leaf Canister



VacLock™ Safety Wall Fitting

View Suction Cleaner Accessories on pages 68 to 70.

Navigator® V-Flex™ suction cleaner features breakthrough new internal turbine, body and a-frame design, delivering more power and performance than ever. Equipped with patented V-Flex™ variable vane technology, it allows for larger debris pickup and maximizes suction power at lower flow, making it ideal for use with variable speed pumps. Patented SmartDrive® programmed steering delivers the most efficient cleaning path affording unparalleled pool coverage.

Applications

- In-ground residential pools – gunite, vinyl, fiberglass, tile and pebble
- Cleans pool floor, walls* and coves

Features

Patented V-Flex technology

- Features self-adjusting variable vanes for easy handling of larger debris
- Energy-efficient design maximizes suction power at lower flow—ideal for use with variable-speed pumps

Programmed cleaning

- Exclusive SmartDrive® steering system offers unparalleled pool coverage.

Efficient suction path

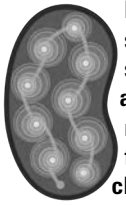
- Wide vacuum inlet, unique wing and skirt designed for constant suction power and to pickup more debris faster

Easy to use and install

- Connects in less than 10 minutes to skimmer or suction port, no tools required
- Powered by existing filtration system, does not require booster pump

What is SmartDrive programmed steering?

Hayward's exclusive technology drives the



Navigator V-Flex in an alternating series of right and left-hand turns to systematically clean pool surfaces and ensure the best coverage and most efficient cleaning path. It cleans faster and better than random-style cleaners and reduces the possibility of missed or over-visited zones in the pool.

For replacement parts see pages 284–285.

Navigator® Pro
AUTOMATIC SUCTION CLEANER

Navigator® Pro's exclusive SmartDrive® programmed steering moves the cleaner silently in a predetermined series of turns for more thorough cleaning of pool floor, walls and coves. This automatic suction pool cleaner is powered by the existing filtration system where all debris are captured. In addition, pool owners don't have the expense of an energy-consuming booster pump. Getting that sparkling clean pool is easy and effortless with the Navigator Pro automatic suction pool cleaner.

Applications

- In-ground residential pools – gunite, vinyl, fiberglass, pebble and tile
- Cleans pool floor, walls* and coves

Features

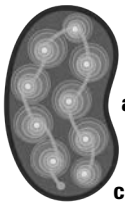
Engineered for performance
- Unmatched proven and reliable suction cleaner performance
- Turbine-driven system for smooth, silent operation

Programmed cleaning
- Exclusive SmartDrive® steering system offers complete pool coverage.

Efficient suction path
- Wide vacuum inlet, unique wing and skirt designed for constant suction power and to pickup more debris faster

Easy to install and use
- Connects in less than 10 minutes to skimmer or suction port, no tools required
- Powered by existing filtration system, does not require booster pump

What is SmartDrive programmed steering?



Hayward's exclusive technology drives the Navigator Pro in an alternating series of right and left-hand turns to systematically clean pool surfaces and ensure the best coverage and most efficient cleaning path. It cleans faster and better than random-style cleaners and reduces the possibility of missed or over-visited zones in the pool.



Navigator Pro

Navigator Pro Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
925ADC	Navigator Pro Suction Cleaner, Gunite	1	20 lbs.
925ADV	Navigator Pro Suction Cleaner, Vinyl	1	20 lbs.

Product Specifications	
Pool Coverage*	Pool floor, walls, coves
Drive Sequence	SmartDrive programmed steering system
Traction System	Pod and shoes
Turbine Type	Fixed vane technology
Pool Size	up to 20' x 40'
Pool Surface**	Gunite, vinyl, fiberglass, pebble and tile
Hose Length	Approximately 40'
Warranty	2-year

NOTES: *Wall climbing capability and pool coverage may be affected by specific pool shapes and surfaces. The cleaner may not climb the wall under certain conditions.
**Different shoe types available for different pool surfaces

View Suction Cleaner Accessories on pages 68 to 70.



Leaf Canister



VacLock™ Safety Wall Fitting

For replacement parts see pages 286–287.

PoolVac V-Flex™

AUTOMATIC SUCTION CLEANER WITH V-FLEX TECHNOLOGY

EXPERT LINE



PoolVac V-Flex

PoolVac V-Flex Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
HSC2025CC	PoolVac V-Flex Suction Cleaner, Gunite	1	20 lbs.
HSC2025CV	PoolVac V-Flex Suction Cleaner, Vinyl	1	20 lbs.

Product Specifications	
Pool Coverage*	Pool floor, walls, coves
Drive Sequence	AquaPilot programmed steering system
Traction System	Pod and shoes
Turbine Type	Patented V-Flex variable vane technology
Pool Size	up to 20' x 40'
Pool Surface**	Gunite, vinyl, fiberglass, pebble and tile
Hose Length	Approximately 40'
Warranty	2-year

NOTES: *Wall climbing capability and pool coverage may be affected by specific pool shapes and surfaces. The cleaner may not climb the wall under certain conditions.
**Different shoe types available for different pool surfaces



Leaf Canister



VacLock™ Safety Wall Fitting

View Suction Cleaner Accessories on pages 68 to 70.

Featuring a breakthrough new internal turbine, body and a-frame design, PoolVac V-Flex™ is equipped with patented variable vane V-Flex™ technology delivering more power and performance than ever. It allows for larger debris pickup and maximizes suction power even at lower flow—making it the perfect partner for use with variable-speed pumps. Its patented AquaPilot® programmed steering delivers the most efficient cleaning path around any pool and assists with cleaner maneuverability for complete pool coverage.

Applications

- In-ground residential pools – gunite, vinyl, fiberglass, tile and pebble
- Cleans pool floor, walls* and coves

Features

Patented V-Flex technology

- Features self-adjusting variable vanes for easy handling of larger debris
- Energy-efficient design maximizes suction power at lower flow—ideal for use with variable-speed pumps

Programmed cleaning

- Exclusive AquaPilot steering system offers unparalleled pool coverage.

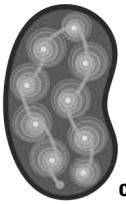
Efficient suction path

- Wide vacuum inlet, unique wing and skirt designed for constant suction power and to pickup more debris faster

Easy to use and install

- Connects in less than 10 minutes to skimmer or suction port, no tools required
- Powered by existing filtration system, does not require booster pump

What is AquaPilot programmed steering?



Hayward's exclusive technology drives the PoolVac V-Flex in an alternating series of right and left-hand turns to systematically clean pool surfaces and ensure the best coverage and most efficient cleaning path. It cleans faster and better than random-style cleaners and reduces the possibility of missed or over-visited zones in the pool.

For replacement parts see pages 288–289.

PoolVac XL™ exclusive AquaPilot® programmed steering moves the cleaner silently in a predetermined series of turns for more thorough cleaning. This automatic suction pool cleaner is powered by the existing filtration system where all debris are captured. In addition, pool owners don't have the expense of an energy-consuming booster pump. For the ultimate in easy, trouble-free operation, leave your pool cleaning to the most sophisticated automatic suction pool cleaner available.

Applications

- In-ground residential pools – gunite, vinyl, fiberglass, pebble and tile
- Cleans pool floor, walls* and coves

Features

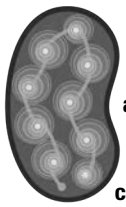
Engineered for performance
- Unmatched proven and reliable suction cleaner performance
- Turbine-driven system for smooth, silent operation

Programmed cleaning
- Exclusive AquaPilot steering system offers complete pool coverage.

Efficient suction path
- Wide vacuum inlet, unique wing and skirt designed for constant suction power and to pickup more debris faster

Easy to install and use
- Connects in less than 10 minutes to skimmer or suction port, no tools required
- Powered by existing filtration system, does not require booster pump

What is AquaPilot programmed steering?



Hayward's exclusive technology drives the PoolVac XL in an alternating series of right and left-hand turns to systematically clean pool surfaces and ensure the best coverage and most efficient cleaning path. It cleans faster and better than random-style cleaners and reduces the possibility of missed or over-visited zones in the pool.



PoolVac XL

PoolVac XL Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
2025ADC	PoolVac XL Suction Cleaner, Gunite	1	20 lbs.
2025ADV	PoolVac XL Suction Cleaner, Vinyl	1	20 lbs.

Product Specifications	
Pool Coverage*	Pool floor, walls, coves
Drive Sequence	AquaPilot programmed steering system
Traction System	Pod and shoes
Turbine Type	Fixed vane technology
Pool Size	up to 20' x 40'
Pool Surface**	Gunite, vinyl, fiberglass, pebble and tile
Hose Length	Approximately 40'
Warranty	2-year

NOTES: *Wall climbing capability and pool coverage may be affected by specific pool shapes and surfaces. The cleaner may not climb the wall under certain conditions.
**Different shoe types available for different pool surfaces

View Suction Cleaner Accessories on pages 68 to 70.



Leaf Canister



VacLock™ Safety Wall Fitting

For replacement parts see pages 290–291.

AquaNaut® 250 & 450

AUTOMATIC SUCTION CLEANERS WITH V-FLEX™ TECHNOLOGY

EXPERT LINE



AquaNaut 250 & 450

AquaNaut 250 Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
PBS22CST	2-Wheel Drive Suction Cleaner Super Hump Tire Thread	1	16 lbs.

AquaNaut 450 Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
PBS42CST	4-Wheel Drive Suction Cleaner Super Hump Tire Thread	1	19 lbs.

Product Specifications

	AquaNaut 250	AquaNaut 450
Pool Coverage*	Pool floor, walls, coves	Pool floor, walls, coves
Drive Sequence	Turns every 8' to 10'	Turns every 11' to 14'
Traction System	2-wheel drive	4-wheel drive
Turbine Type	Patented V-Flex variable vane technology	Patented V-Flex variable vane technology
Pool Size	up to 16' x 32'	up to 20' x 40'
Pool Surface**	Gunite, vinyl, fiberglass, pebble and tile	Gunite, vinyl, fiberglass, pebble and tile
Hose Length	Approximately 32'	Approximately 40'
Warranty	2-year	2-year

NOTES: *Wall climbing capability and pool coverage may be affected by specific pool shapes and surfaces. The cleaner may not climb the wall under certain conditions.
**Other tire threads available for different pool surfaces or configurations



Leaf Canister



VacLock™ Safety Wall Fitting

The AquaNaut® Series of automatic suction pool cleaners were the first all-terrain, clog-eliminating suction cleaners on the market and they remain the best in their class. Available in two or four wheel drive models, AquaNaut is designed with patented technologies to deliver superior power, traction and balance for pools of different shapes, sizes, flow rates and debris types. They feature patented self-adjusting variable vanes known as V-Flex™ technology, which automatically adjust to allow for large debris to pass through the cleaner delivering maximum suction power at virtually any flow and providing a clog-free clean — covering pool floor, walls* and coves.

Applications

- In-ground residential pools – concrete, gunite, vinyl, fiberglass, tile and pebble
- AquaNaut 250 is for pools up to 16' x 32'; AquaNaut 450 is for larger pools up to 20' x 40' or pools with deep ends.
- Cleans pool floor, walls* and coves

Features

Only 4-Wheel Drive Suction Cleaner

- With its rugged 4-wheels, AquaNaut 450 can maintain power, balance and traction in pools up to 20'x40' and with deep ends.

Handles Large Debris Without Clogging

- Patented V-Flex variable vane turbine technology eliminates clogs and maximizes power at almost any flow.
- Perfect for use with variable-speed pool pumps.

*Expertly Navigates Any Surface**

- Patented high-traction tires with rugged treads provide superior climbing power and motion on all surfaces.

Maintains Constant Suction

- Patented adjustable roller skirt maintains optimal suction on uneven surfaces.

Advanced Steering Capability

- Multiple pre-programmed steering sequences ensure complete pool coverage.

Optimal Suction at Almost Any Flow

- Three easily interchangeable throats improve debris passage and suction performance, making it ideal for use with variable-speed pool pumps.

View Suction Cleaner Accessories on pages 68 to 70.

For replacement parts see pages 292–293.

AquaBug® & Penguin

AUTOMATIC SUCTION CLEANERS FOR ABOVE-GROUND POOLS

With smart cleaning power, AquaBug and Penguin will be your pool's new best friends. The Hayward family of above-ground pool cleaners are designed to clean the bottom of all sizes and shapes of above-ground/on-ground pools — automatically. They operate off the pool's existing filtration system and feature our exclusive SmartDrive® program steering so it won't miss a spot.



SmartDrive cleaning pattern for above-ground pools.



500 AquaBug



100 Penguin

AquaBug & Penguin Buying Guide

Model Number	Description	32 ft. of Hose*	Skimmer Cone	Ctn. Qty.	Ctn. Weight
100	Penguin			1	21 lbs.
500	AquaBug			1	21 lbs.

NOTES: Pallet ordering (24 units per pallet). Mix of 8 units per personality or full pallet of a single character.
*Approximately 32 feet of hose included

Applications

- Above-ground pools (flat or dished bottoms)
- On-ground pools

Features

- Patented SmartDrive programmed steering system ensures the entire bottom of the pool is cleaned quickly and completely
- Installs in less than 10 minutes, without tools
- Unique turbine/gearing system provides constant balanced water flow assuring quiet operation and gentle movement across the pool bottom
- Improves water circulation by pulling water from the pool bottom as it moves
- Advanced, contoured head design allows the steering pattern to be completed in minimal time
- Deluxe bumper ring minimizes friction for easy movement away from walls and resumption of the programmed steering pattern

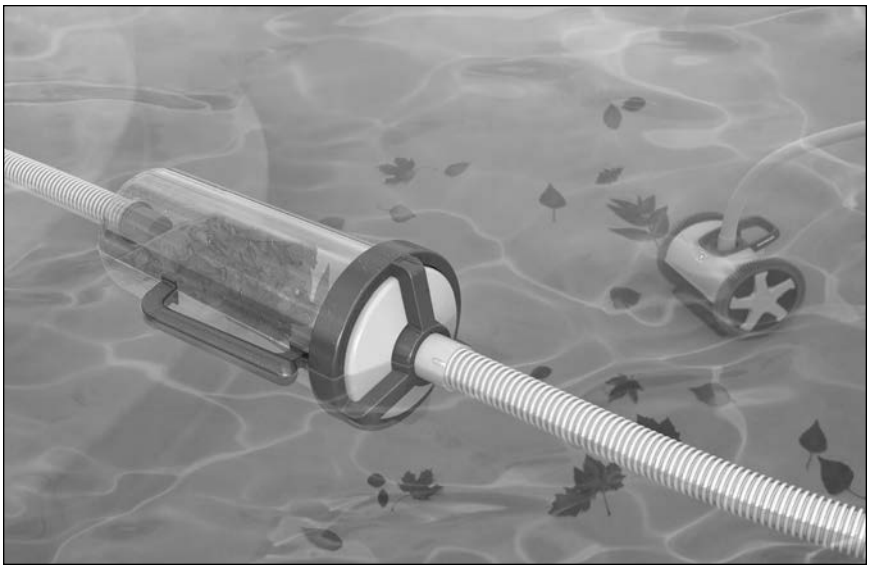
Tips on Hose Requirements

A simple rule of thumb is to measure from the skimmer (or dedicated suction line) to the farthest point in the pool then add three (3) extra hose lengths.



W560
Optional Leaf Canister

For replacement parts see pages 304–305.



Leaf/Debris Canisters

Ruggedly built, Hayward leaf/debris canisters are designed with the pool professional in mind. Choose the appropriate canister that fits your individual vacuuming applications.

Features

- Extra-large basket or bag traps leaves and debris before they reach the filter system
- Superior design ensures that water will always bypass debris and maintain proper water flow to pump
- Easy-open lid provides quick access to basket
- See-through body lets you see when basket needs cleaning

Leaf/Debris Canister Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
W560	Leaf canister*	6	19 lbs.
W530	Large capacity leaf canister with mesh bag	6	26 lbs.
W550	1 ½" adapter kit (for use with a W450 or W530 with manual vacuum cleaner)	10	1 lb.

NOTES: To utilize leaf canisters with hand vacuums, one of the above adapter kits will be necessary.
*For use with any existing suction-side cleaner.

VacLock Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
W400BBKP	VacLock Safety Wall Fitting, Black	10	2 lbs.
W400BWHP	VacLock Safety Wall Fitting, White	10	2 lbs.
W400BLGP	VacLock Safety Wall Fitting, Lt. Gray	10	2 lbs.



W560

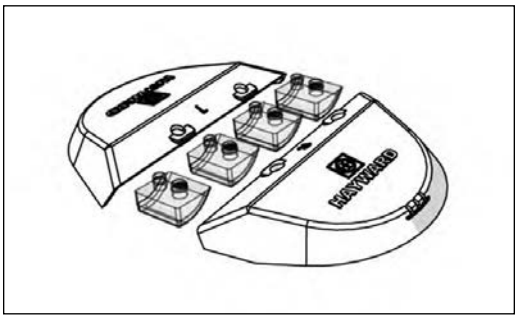


W530

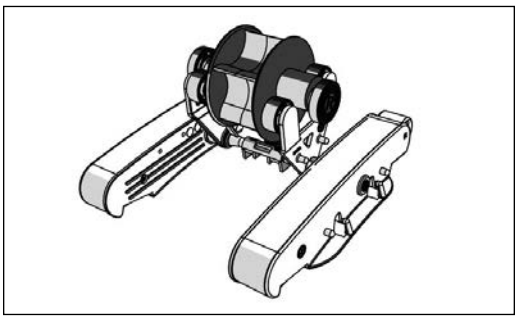
For replacement parts see pages 310–311.

Hayward has a variety of products designed to improve, enhance and maintain our automatic suction cleaner line. Most existing PoolVac and Navigator® cleaner models can be easily updated with the V-Flex™ upgrade kit. Once installed, the cleaners will be equipped with the latest patented internal turbine technology, V-Flex, along with a new body and A-frame design that delivers more power and performance than ever.

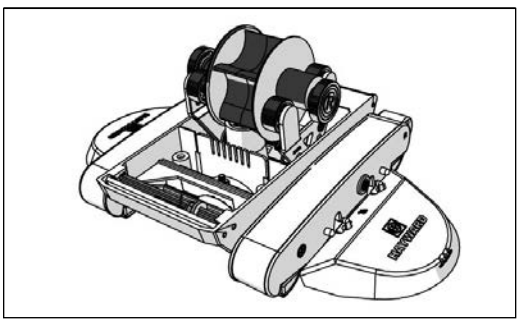
Patented V-Flex variable vane technology allows for larger debris pickup more than any other cleaner on the market and maximizes suction power at lower flow for energy-efficient results, perfect for use with variable-speed pumps. All components within the upgrade kit improve the performance of debris handling, energy-efficiency, all with fewer moving parts to maintain.



Wing and Shoe Maintenance Kit



A-Frame Turbine and Pod Tune Up Kit



Propulsion and Wings Rebuild Kit

Accessories Buying Guide

Part Number	Description
V-Flex™ Upgrade Kits	
VVX3000CKITWH	V-Flex Upgrade Kit – Concrete, White
VVX3000VKITWH	V-Flex Upgrade Kit – Vinyl, White
VVX3000SCKITWH	V-Flex Upgrade Kit Plus – Concrete, White
V-Flex™ Upgrade Kit Content	
• V-Flex Turbine Kit • Bearing Free A-Frame Kit and Retainer • Replacement Shoes	• Replacement Wings • Suction Inlet (Throat)
V-Flex™ Upgrade Kit Plus	
• V-Flex Turbine Kit • Bearing Free A-Frame Kit and Retainer • Replacement Shoes • Replacement Wings	• Suction Inlet (Throat) • **Pod Kit** • **Front and Rear Flaps**
V-Flex™ Complete Propulsion Kit	
AXV925CCWHT	V-Flex Propulsion/Wing Conversion Kit – Concrete, White

Model Number	Description	Ctn. Qty.	Ctn. Weight
Suction Cleaner Accessories			
V094P	In-line flow regulator valve	10	3 lbs.
V574P	In-line flow gauge	25	7 lbs.
V305P	PoolVac Classic™ and PoolVac Plus™ bumper (assists in steering clear of unusual objects)	25	4 lbs.
SP1048AVH	Suction outlet bumper. Keeps automatic cleaners from sticking to drain cover (for original Hayward 8" SP Series anti vortex drain covers only).	10	2 lbs.
Turbine Cleaner Tune-Up and Repair Kits			
AXV414604WHP	Wing and shoe maintenance kit	50	9 lbs.
AXV621417WHP	A-frame turbine and pod tune up kit	10	10 lbs.
AXV622604WHP	Propulsion and wings rebuild kit	1	3 lbs.
AXW321	Tune-up Kit, PoolVac (vinyl, old style), White	10	5 lbs.
AXW350	Tune-up Kit, PoolVac Plus or Navigator (concrete), White	10	5 lbs.
Poolvergnuegen Pool Cleaner Conversion Kits			
PVGXH792KIT	PoolCleaner 2 Wheel Next Gen Conversion Kit	1	2.2 lbs.
PVGXH808KIT	PoolCleaner 4 Wheel Next Gen Conversion Kit	1	4.7 lbs.
PVGXH884KIT	PoolCleaner 2 Wheel Limited Next Gen Conversion Kit	1	2.2 lbs.
PVGXH891KIT	PoolCleaner 4 Wheel Limited Next Gen Conversion Kit	1	4.7 lbs.

NOTE: AXW series tune up kits include a set of wings, shoes and flaps, a screwdriver and a cleaning brush.

Automatic Cleaner Hose Guide

AUTOMATIC CLEANER HOSE SELECTION AND SIZING GUIDE

OPEN LINE



AquaNaut 250



Navigator® V-Flex™

Suction Cleaners Hoses Pack Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
PoolVac® and Navigator® – ABG Turbine Cleaners			
HSLHK110GRPK12	1M - Leader Hose 12 Pack, Gray* Replaces V532LG – V533LG	1	9 lbs.
HSCHK100GRPK12	1M - Connector Hose 12 Pack, Gray* Replaces V109LG - V130LG – V1032LG	1	9 lbs.
HSLCHK120GR	Hose Kit 1 Leader, 11 Connector 40'*, Gray Replaces V530LGP	1	9 lbs.
PoolVac V-Flex™ and Navigator V-Flex			
PVLHK110BKBPK12	1M - Leader Hose 12 Pack, Black and Blue*	1	9 lbs.
PVCHK100BKBPK12	1M - Connector Hose 12 Pack, Black and Blue*	1	9 lbs.
PVLCHK120BKBL	Hose Kit 1 Leader, 11 Connector 40'*, Black and Blue	1	9 lbs.
AquaNaut® and The PoolCleaner Limited Edition			
PVLHP1900GRPK10	1M - Leader Hose 10 Pack, Dark Gray*	1	9 lbs.
PVCHP1900GRPK10	1M - Connector Hose 10 Pack, Dark Gray*	1	9 lbs.
PVCHP1900GRPK24	1M - Connector Hose 24 Pack, Dark Gray*	1	13 lbs.
PVCHK1900GR	Hose Kit 1 Leader, 9 Connector 33'*, Dark Gray	1	9 lbs.
The PoolCleaner			
PVLHP1900WHPK10	1M - Leader Hose 10 Pack, White*	1	9 lbs.
PVCHP1900WHPK10	1M - Connector Hose 10 Pack, White*	1	9 lbs.
PVCHP1900WHPK24	1M - Connector Hose 24 Pack, White*	1	13 lbs.
PVCHK1900WH	Hose Kit 1 Leader, 9 Connector 33'*, White	1	9 lbs.

NOTES: *All hose lengths are approximate

Pool Cleaner – AquaNaut Hoses are not interchangeable with PoolVac, Navigator and ABG Hoses. Mixing hoses will result in poor performance of cleaner.

Sizing Automatic Cleaner Hose Length/ Tips on Vacuum Requirements

To correctly size Hayward automatic cleaners, measure from the skimmer or Vac Lock to the farthest point in the pool. Add two hose lengths to provide sufficient mobility for the cleaner.

Example: A 16' x 32' rectangular pool will normally require 8-10 lengths of hose depending on depth and skimmer placement.

After the correct hose length is selected and automatic cleaner installed, use the in-line vacuum gauge to check for proper water flow and adjust to satisfy the formula below.

Proper Vacuum = 1" of vacuum x # of hose lengths

Example: A pool using 8 hose lengths requires 8" of vacuum for proper operation.

If the vacuum level is too high, adjust the filter system valving accordingly. In the absence of sufficient valving, use the optional in-line regulator valve.

Improper vacuum levels can prevent the cleaner from climbing vertical walls in gunite/concrete pools or "sticking" at steps and corners. Maintaining proper vacuum also ensures efficient water flow through the throat for effective cleaning.

For complete installation information, refer to your Hayward automatic pool cleaner's installation manual.

The use of non-Hayward hoses is not recommended as it can greatly reduce the cleaner coverage, wall climbing capability and cleaning performance.

USE ONLY HAYWARD ORIGINAL HOSES AND PARTS

HydraPure®

UV AND OZONE ADVANCED OXIDATION SYSTEM

HydraPure's advanced oxidation process (AOP) combines UV and ozone to form hydroxyl radicals. Together these three sanitizers destroy 99.9%* of chlorine-resistant bacteria and viruses.

Applications

- Residential, new or existing, in-ground pools

Features

- UV eliminates harmful chlorine-resistant microorganisms by breaking down the body of the bacteria or virus
- Ozone oxidizes and destroys organic compounds including odor creating Chloramines
- Advanced Oxidation Process (AOP) combines UV and ozone to form hydroxyl radicals. Together these sanitizers to destroy 99.9%* of chlorine-resistant bacteria and viruses.
- Operates at flow rates as low as 10 GPM, making it the perfect partner for modern variable–speed pumps
- Less chlorine maintenance – UV and Ozone reduce the amount of traditional or salt chlorine required for effective sanitization
- Easy to operate and maintain. No monitoring or adjusting with easy to view notification lights
- Easy to install lid rotates in any direction for clear visibility of the user interface
- Ability to operate up to 120 GPM without a bypass

NOTE: *Destroys 99.9% of chlorine-resistant microorganisms up to 80 GPM, with a reduced level above 80 GPM.

Available while supplies last



HydraPure UV and Ozone Ozone System



NEW HydraPure UV, Ozone and AOP System

HydraPure Buying Guide

Model Number	Description	Warranty	Ctn. Qty.	Shipping Weight
004952001000*,**	HydraPure UV and Ozone System, Corded 120V	3 Year	1	42.25 lbs.
004952002000*,**	HydraPure UV and Ozone System, Hardwired 120/240V	3 Year	1	42.25 lbs.
HYDRAPURE*	HydraPure UV, Ozone & AOP System, Field Wireable	3 Year	1	47 lbs.
HYDRACORDKIT	Cord Adapter Kit, 115V	1 Year	1	1.25 lbs.

NOTES: *3-year warranty, 1-year warranty for UV and O3 lamps, when sold by a Totally Hayward® partner.
**Available while supplies last

To learn more about HydraPure UV and Ozone Advanced Oxidation System, visit Hayward.com/HydraPure

For replacement parts see page 271.

UltraUV$_2$™

ULTRAVIOLET WATER SANITIZER

OPEN LINE



Ultra UV$_2$

Ultra UV$_2$ ultraviolet system delivers an additional layer of protection and sanitation beyond traditional chlorination and in addition to salt chlorination.

It effectively and safety *kills 99.9%* of micro-organisms in pool water, including chlorine resistant crypto, giardia and algae, for a cleaner, clearer swim — all with no harmful by-products.

Ultra UV$_2$ is designed and engineered to significantly reduce the amount of chlorine needed to maintain an adequate level of residual sanitize.

Applications

- For indoor or outdoor use on new or existing pools
- Up to 57,000 gallon pools
- Minimal maintenance

Features

- Cleaner, healthier water with less eye and skin irritations
- Deactivates 99.9% of bacteria, viruses, fungus, algae, and micro-organisms
- Works with single or modern multi-speed pumps
- Reduces chlorine demand by up to 50%

Eco-friendly Design

- Multi-directional and quick release piping connections make it easy to install in new and existing pools
- 360° direct view lamp power indicating ring
- Automatically activated by the flow of water through a pressure switch
- 100% corrosion resistant housing
- 13,000 hour lamp life
- 2 year limited warranty

UltraUV$_2$ Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
004422202200	Ultra UV$_2$ – 120V 2 Lamp	1	23 lbs.
004422202600	Ultra UV$_2$ – 230V 2 Lamp	1	23 lbs.
006422004000	Kit: Ultra Clear UV$_2$ O$_3$ – 230V 2 Lamp	1	32.45 lbs.
006422001000	Kit: Ultra Clear UV$_2$ O$_3$ – 120V 2 Lamp	1	32.45 lbs.

Comparison Chart

	Ultra UV$_2$	Chlorine
Inactivates 99.9% Crypto, Giardia and Algae	YES	NO
Easy to maintain, no monitoring or adjusting	YES	NO
Effectiveness influenced by weather	NO	YES
Corrodes/calcium build up on pool equipment	NO	YES
Produces harmful by products	NO	YES

The ClearO$_3$ water purifying system is the perfect addition to any new or existing pool for the cleanest water possible.

Ozone actively breaks down non-living waste products in pool water which can combine with chlorine to form unhealthy by-products that can cause eye and skin irritation.

The ClearO$_3$ creates ozone using a proprietary UV bulb designed to create ozone molecules from the oxygen in the air. This ozone is delivered into the pool water using the unit's suction injection system, where the ozone enriched air is mixed with the water going into the pool circulation pump. This creates a dynamic environment that best mixes the ozone and water.

Applications

- For all residential pools, new or existing
- Single unit effective for up to 55,000 gallons

Features

- Cleanest, strongest non-chlorine shock available with oxygen being its only by-product
- Save up to 60% on chemical costs
- Maximum ozone production with minimal impact to the pool equipment
- Easily breaks down unwanted pool particulates that can irritate the eyes and skin when bonded to chlorine
- Proprietary flow meter establishes the ideal flow of air for efficient ozone production
- 13,000 hour lamp life
- 2 year limited warranty
- UL Listed

Engineered to Perform

- Fully sealed cylindrical chamber for optimized ozone generation
- Radiant heat ribs to maintain ozone output at peak operating temperatures
- Extruded aluminum main body with fiber-filled ppo resin end caps
- Removable side panel for easy bulb replacement



ClearO$_3$

ClearO$_3$ Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
004402388000	Dual Voltage – Single	1	8 lbs.
004402388100	Dual Voltage – 6 Pack	1	8 lbs.
006422004000	Kit: Ultra Clear UV_2 O_3 – 230V 2 Lamp	1	32.45 lbs.
006422001000	Kit: Ultra Clear UV_2 O_3 – 120V 2 Lamp	1	32.45 lbs.

TurboCell®

SALT CHLORINATION CELLS



TCELLS340 TurboCell S3 Salt Cell (top) TCELL940 Hayward Goldline TurboCell Salt Cell (bottom)

TurboCells Buying Guide

Model Number	Description	Warranty	Ctn. Qty.	Shipping Weight
Salt Chlorinators				
T-CELL-3®	TurboCell 15,000 gallon	3 year	1	4.3 lbs.
TCELL925*	Extended Life TurboCell 25,000 gallon	3 year	1	4.3 lbs.
TCELL940*	Extended Life TurboCell 40,000 gallon	3 year	1	4.3 lbs.
TCELLS315	TurboCell S3 15,000 gallon	3 year	1	4.2 lbs.
TCELLS325	TurboCell S3 25,000 gallon	3 year	1	4.2 lbs.
TCELLS340	TurboCell S3 40,000 gallon	3 year	1	4.2 lbs.
TCELLS340X25	TurboCell S3 40,000 gallon, 25 ft. cord	3 year	1	5.04 lbs.

NOTE: *4-year warranty will be honored for units built prior to January 1, 2023.

Hayward TurboCells are the ONLY salt cells certified by a Nationally Recognized Testing Laboratory to be safe to use with Hayward controllers.

TurboCell Salt Cells are the heart of Hayward's salt chlorine generating systems. Give any pool the best in natural sanitization and softness. Naturally converts dissolved salt into a virtually endless supply of chlorine, providing automatic, consistent sanitization that won't irritate eyes, dry out skin or cause fabrics to fade.

Applications

- For residential, new or existing in-ground pools up to 40,000 gallons
- For use with Hayward AquaRite® systems
- Compatible with Hayward Omni® automation systems

Features

- Clear salt cell for easy inspection, less scaling with lower headloss than traditional TurboCell (S3 models)
- Available in three sizes – 40,000, 25,000 and 15,000 gallons
- Automatically generates a self-renewing supply of chlorine to save over conventional chlorine
- NSF certified for chlorine output

Beware of Imitators

With other replacement cells, you get what you pay for: Lower quality, shorter life, non-certification. Generic cells are not safety certified for use with Hayward salt chlorinators.

Live in an arid or tropical climate?

You may need a larger cell. Consider using the next size up or multiple cells for challenging climates.

Commercial Applications

Before using any Hayward chlorinator for commercial applications, check local and state codes for requirements. Combining multiple units is possible to achieve the requisite chlorine delivery rate. View Saline C 6.0 and Saline C 11.0 salt chlorine generating systems on page 329.

To learn more about Hayward salt chlorination, visit hayward.com/salt

For replacement parts see pages 265–269.

CCELL
SALT CHLORINATION CELL

Give any pool the best in natural sanitization and softness.

Naturally converts dissolved salt into a virtually endless supply of chlorine, providing automatic, consistent sanitization that won't irritate eyes, dry out skin or cause fabrics to fade. Compatible with existing equipment and able to cut chlorine costs, luxurious salt chlorination has never been more budget friendly.

Applications

- For residential, new or existing in-ground pools up to 30,000 gallons
- For use with Hayward AquaRite® 100 systems
- **Compatible with Hayward Salt & Swim® systems**

Features

- Wide-ranging salt production levels are capable of operating between 1500 and 4500 PPM
- Cell cap provides an insulated cable connection to control box
- Nut assembly and versatile piping allow for easy installation in existing pools
- Salt cell produces 20% more pure available chlorine than other comparable systems
- Replacement cartridge installs in clear vessel for simple replacement and visibility

Beware of Imitators

Other salt chlorination cells may talk a good game, but what they don't say will cost you. With other replacement cells, you get what you pay for: lower quality, shorter life, non-certification. Generic cells are not safety certified for use with Hayward salt chlorinators.

See 81 page for AquaRite 100 product information



AquaRite 100 Salt Cell, CCELL

CCELL Buying Guide

Model Number	Description	Warranty*	Ctn. Qty.	Shipping Weight
CCELL	AquaRite 100 Salt Cell, 30,000 gallon	3 year	1	9.0 lbs.

NOTE: *3-year warranty when sold by a Totally Hayward® partner

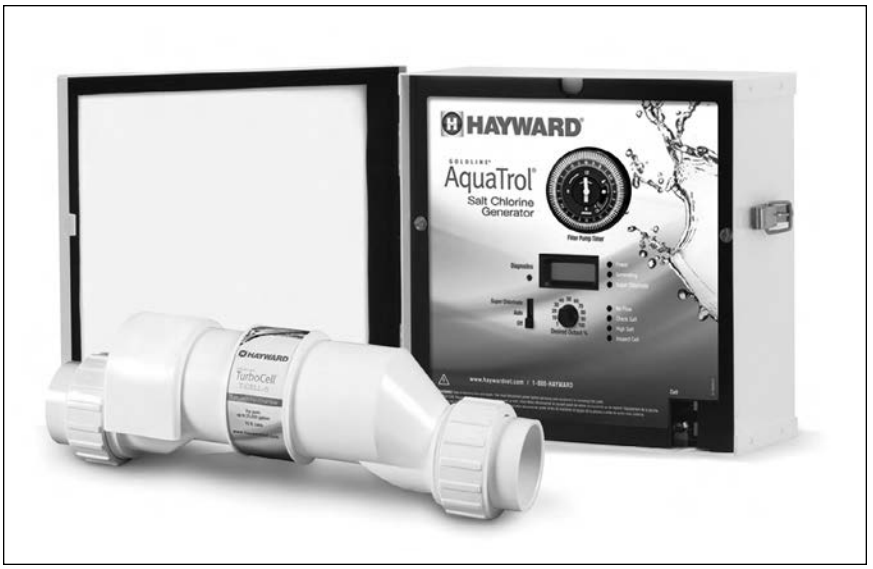
To learn more about Hayward Salt Chlorination, visit hayward.com/salt

For replacement parts see pages 264–269.

AquaTrol®

SALT CHLORINATION FOR ABOVE-GROUND POOLS

EXPERT LINE



AquaTrol

AquaTrol Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
AQ-TROL-RJ	Return jet fittings, "straight blade" line cord and outlet	1	25 lbs.
AQ-TROL-RJ-TL	Return jet fittings, twist lock line cord and outlet	1	25 lbs.
AQ-TROL-HP	Hose/pipe fittings, "straight blade" line cord and outlet	1	25 lbs.
AQ-TROL-HP-TL	Hose/pipe fittings, twist lock line cord and outlet	1	25 lbs.

To learn more about Hayward Salt Chlorination, visit hayward.com/salt

The AquaTrol Salt Chlorine Generator is designed specifically for above-ground pools up to 18,000 gallons. The AquaTrol has an integral time clock for control of the pool filtration pump. Since many above ground pools already have a single electrical outlet for the filter pump, the AquaTrol is designed with an outlet (timer controlled) for the filter pump to plug into, the AquaTrol then plugs into the original outlet the filter pump was using.

Applications

- For all residential above-ground pools up to 18,000 gallons.
- Suitable for new above-ground pools or retrofit.

Features

- Quick and easy installation
- Silky, soft water that won't irritate eyes, dry out skin or cause fabrics to fade
- Digital salt display and 7 diagnostic indicators
- Super chlorinate function
- 24 Hour timer for filter pump control
  - ✓ allows multiple pump periods per day
  - ✓ program in 15 minute increments
  - ✓ manual switch (ON-Auto-OFF)
- Microprocessor automates all functions
- Includes TurboCell Salt Cell (T-CELL-5)
- Compatible with replacement salt cells: GLX-CELL-5, T-CELL-5, TCELLS318
- ETL Listed

2 Cell Mounting Options

- "RJ" models mount the cell directly to the return jet (on the outside of the pool)
- "HP" models include fittings for hose connections or 2" PVC pipe (use standard adapters, not supplied for 1 ½" pipe)

2 Line Cord and Outlet Options

- NEMA "straight blade" is standard
- "TL" models have twist lock line cord and outlet

AquaRite® 900

SALT CHLORINATOR WITH TURBOCELL®

AquaRite Salt Chlorination Systems automatically convert salt into chlorine for sanitized pool water. Experience softer, silkier pool water that won't irritate eyes, dry out skin or cause fabrics to fade.

Omni® Smart Pool Control Compatible

AquaRite 900 Omni comes equipped with full-featured smart pool and spa control. Easily control virtually any pool and spa feature via the external touchscreen display, mobile app or popular voice control devices.*

*Voice control devices are not included.

Applications

- For residential, new or existing in-ground pools up to 40,000 gallons
- Available in two sizes – 25,000 and 40,000 gallons
- Use multiple units for larger pools

Features

- Automatically converts salt into chlorine, 2400-3400 ppm
- Softer, silkier pool water that won't irritate eyes, dry out skin or cause fabrics to fade
- Simple homeowner operation
- Adjust chlorine output from 0-100%
- NSF certified for chlorine delivery rates
- Easy to understand digital display
- Automatic cell cleaning using reverse polarity technology
- Superchlorinate function
- Single unit for 120VAC/240VAC 50/60Hz input
- Weatherproof enclosure and connections
- ETL safety certified



AquaRite 900 with Extended Life TurboCell

AquaRite 900 Buying Guide

Model Number	Description	Warranty*	Ctn. Qty.	Shipping Weight
AQR940	AquaRite 900 Salt Chlorinator, 40,000 gallon Extended Life TurboCell	3 year	1	24 lbs.
AQR925	AquaRite 900 Salt Chlorinator, 25,000 gallon Extended Life TurboCell	3 year	1	24 lbs.

NOTE: *4-year warranty will be honored for units built prior to January 1, 2023.

TurboCell Buying Guide

Model Number	Description	Warranty*	Ctn. Qty.	Shipping Weight
T-CELL-3®	TurboCell for pools up to 15,000 gallons	3 year	1	4.3 lbs.
TCELL925	Extended Life TurboCell for pools up to 25,000 gallons	3 year	1	4.3 lbs.
TCELL940	Extended Life TurboCell for pools up to 40,000 gallons	3 year	1	4.3 lbs.

NOTE: *3-year warranty when sold by a Totally Hayward® partner.

For replacement parts see pages 265–269.

AquaRite® S3
SALT CHLORINATION SYSTEM

EXPERT LINE



AQRS340 AquaRite S3 Salt Chlorination System

AquaRite S3 Buying Guide

Model Number	Description	Warranty*	Ctn. Qty.	Shipping Weight
AQRS315	AquaRite S3 Salt System 15,000 gallon	3 year	1	22.1 lbs.
AQRS325	AquaRite S3 Salt System 25,000 gallon	3 year	1	22.1 lbs.
AQRS340	AquaRite S3 Salt System 40,000 gallon	3 year	1	22.1 lbs.
AQRS325OMNI	AquaRite S3 Omni Salt System 25,000 gallon	3 year	1	24 lbs.
AQRS340OMNI	AquaRite S3 Omni Salt System 40,000 gallon	3 year	1	24 lbs.
AQRS3OMNIKIT	AquaRite S3 Omni Upgrade Kit	3 year	1	3 lbs.
TCELLS315	TurboCell® S3 Salt Cell 15,000 gallon	3 year	1	4.2 lbs.
TCELLS325	TurboCell S3 Salt Cell 25,000 gallon	3 year	1	4.2 lbs.
TCELLS340	TurboCell S3 Salt Cell 40,000 gallon	3 year	1	4.2 lbs.
TCELLS340X25	TurboCell S3 Salt Cell 40,000 gallon, 25 ft. cord	3 year	1	5.04 lbs.

NOTE: *3-year warranty when sold by a Totally Hayward® partner

To learn more about Hayward Salt Chlorination, visit hayward.com/salt

Superior salt sanitization with built-in control, AquaRite S3 effortlessly manages chlorine levels, a pump and heater. AquaRite S3 is more than salt chlorination — it's advanced sanitization and automation that grows with any pool.

Applications

- Residential, in-ground pools up to 40,000 gallons
- Available in three sizes – 15,000, 25,000 and 40,000 gallons

AquaRite S3 Features

- LCD color display for built-in control of chlorine levels, heater and variable-speed pump (single-speed pump control via Smart Relay, HLH485RELAY, sold separately)
- Clear TurboCell salt cell for easy inspection
- Operates over a broad range of salt levels, 800-8000 PPM
- Pool cover detect capabilities
- Auto voltage select for easier installation
- Easy upgrade path to Omni® controls via AQRS3OMNIKIT

AquaRite S3 Omni Features

- Includes all AquaRite S3 features above
- Full control of virtually any pool or spa feature via the external control panel, OmniLogic® app or voice control devices*
- Valve ports to automatically switch to Spa mode, GVA-24 automatic actuators sold separately
- ColorLogic lighting control with OmniDirect Mode™
- pH and ORP sensing capabilities, probes sold separately
- Expand at any time with easy-to-add accessories from smart relays, pH sensing, WiFi connectivity and more
- Configurable for future upgrades
  - ✓ Control and set schedules for 3x variable-speed pumps
  - ✓ Control 2x heaters
  - ✓ 2 high power relays
- Capable of controlling an acid feed tank

*Voice control devices are not included.

For replacement parts see page 270.

AquaRite® 100

SALT CHLORINATOR WITH SALT CELL

Naturally converts dissolved salt into a virtually endless supply of chlorine, providing automatic, consistent sanitization that won't irritate eyes, dry out skin or cause fabrics to fade. Compatible with existing equipment and able to cut chlorine costs, luxurious salt chlorination has never been more budget friendly.

Applications

- For new or existing in-ground pools up to 30,000 gallons

Features

- Automatically converts salt into chlorine, 1500-4500 PPM
- Softer, silkier pool water that won't irritate eyes, dry out skin or cause fabrics to fade
- Produces up to 20% more chlorine than other similar systems on the market
- Weatherproof control unit ensures optimal performance in all conditions
- Advanced dispensing capability operates at flow rates as low as 20-25 GPM
- LED lights indicate current system operation status
- Intuitive control panel located behind flip-down door
- Wide-ranging salt production levels are capable of operating between 1500 and 4500 PPM
- Cell cap provides an insulated cable connection to control box
- Nut assembly and versatile piping allow for easy installation in existing pools
- Clear vessel and replaceable cartridge provide hassle-free inspection and simple replacement



AquaRite 100 with Salt Cell

AquaRite 100 Buying Guide

Model Number	Description	Warranty*	Ctn. Qty.	Shipping Weight
AQR100	AquaRite 100 Salt Chlorinator, 30K gallon Salt Cell	3 year	1	22 lbs.

NOTE: *3-year warranty when sold by a Totally Hayward® partner

Salt Cell Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
CCELL	AquaRite 100 Salt Cell	1	9 lbs.

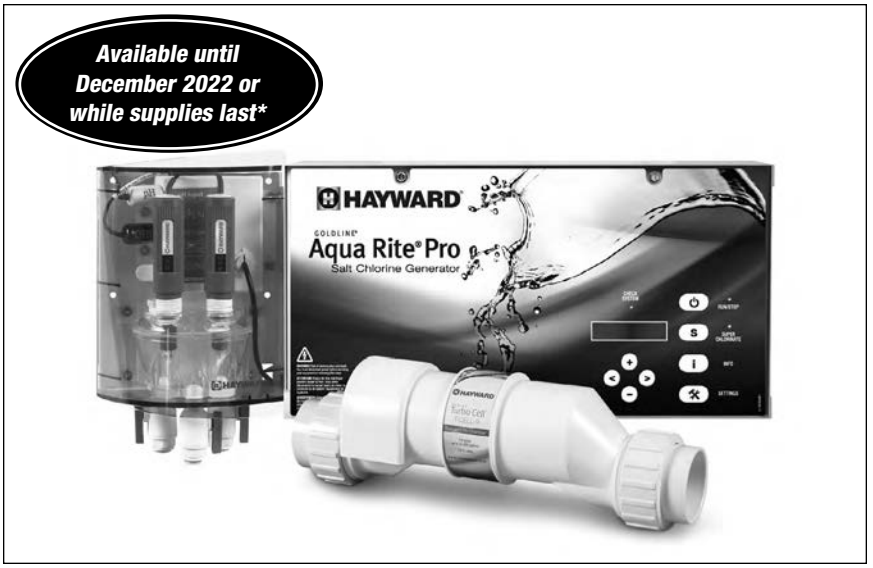
To learn more about Hayward Salt Chlorination, visit hayward.com/salt

For replacement parts see pages 265–269.

AquaRite® Pro

SALT CHLORINATION AND CHEMISTRY AUTOMATION

Available until December 2022 or while supplies last*



AQR15-PRO-SD AquaRite Pro with Sense and Dispense and TurboCell

Professional-grade AquaRite Pro takes pool and spa sanitization and chemistry automation to new levels. This integrated solution automatically senses ORP and pH levels and dispenses a self-renewing supply of pure chlorine generated from salt, while controlling pH. Integrating chemistry automation with sanitization eliminates the need for an additional device on the pool pad and lowers installation costs.

Applications

- Total Pool Chemistry Sense and Dispense ORP (Chlorine) and pH
- For in-ground pools up to 40,000 gallons
- Use multiple units for larger pools

Features

- Total Pool Chemistry Sense and Dispense® ORP (Chlorine) and pH
- Includes TurboCell® Salt Cell for pools up to 40,000 gallons
- Simple homeowner operation
- Adjust chlorine output from 1-100%
- Automatically converts salt into chlorine
- Softer, silkier pool water that won't irritate eyes, dry out skin or cause fabrics to fade
- Microprocessor automates all functions
- Digital display
- Super chlorinate function
- Automatically cleans the cell by periodically reversing polarity
- Quick, weatherproof connections inside control door
- Single unit for 120VAC/240VAC 50/60 Hz power input
- Locking weatherproof enclosure
- ETL Listed

AquaRite Pro Buying Guide — EXPERT LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
AQR15-PRO	AquaRite Pro with 40K gallon TurboCell	1	28 lbs.
AQR15-PRO-SD*	AquaRite Pro with Sense and Dispense and 40K gallon TurboCell	1	35 lbs.

*Replacement for this SKU will be either the AQRS3400MNI or AQRS3250MNI and an HL-CHEM sold separately.

AquaRite Pro Options Buying Guide — OPEN LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
E-KIT	Electrical Installation Kit	1	2 lbs.
HL-CHEM	Chemistry Kit pH and ORP Sense, ORP Dispense	1	9 lbs.
AQL-CHEM2	pH Dispense, 120V Solenoid Valve for CO_2	1	2 lbs.
AQL-CHEM4-ACID	pH Dispense, Acid Feed System	1	24 lbs.
AQL-CHEM4-CHLOR	Liquid Chlorine Dispense System	1	24 lbs.

To learn more about Hayward Salt Chlorination, visit hayward.com/salt

For replacement parts see pages 265–269.

AquaPlus simplifies and enhances pool and spa ownership by combining control and salt chlorination into one easy-to-install, easy-to-operate package.

With AquaPlus, programming essential functions for maximum performance, effectiveness and cost-efficiency is a snap. It lets pool owners set filtration and temperature schedules: steady all week, increasing during busy weekends, or cutting back on weekdays when activity is limited. They can even control other backyard features, including patio and landscape lighting, water features and firepits. And with a variety of remote controllers, they can program and manage it all from practically anywhere; indoors, poolside or even in the pool.

With AquaPlus, pool owners can automate water chemistry with our integrated Sense and Dispense® option. Sense and Dispense automatically senses chlorine and pH levels and dispenses chlorine via a salt chlorination system or a liquid chlorine feed tank, and controls pH delivering the most consistent water quality possible.

Applications
- Any pool or spa system
- Chlorinator sanitizes pools up to 40,000 gallons

Features
- Controls up to 4 relays, 3 valve actuators, 1 solar and 1 conventional heater
- Automatically sanitizes pools and spas
- Variable speed pump control
- Uses salt chlorination to deliver fresh chlorine when needed
- Super Chlorinate function
- Displays time, day, pool and spa temperature and ambient air
- Built-in 100A subpanel
- Built-in keypad for complete operation and programming
- Fully programmable automatic control of every output
- Easy to use buttons for manual control

Optional Chemistry Automation
- Sense and Dispense – fully integrated chemistry automation
- Continuously senses sanitization and pH levels and dynamically dispenses what the water needs
- Dispense Carbon Dioxide (CO2) or Muriatic Acid to control pH

Optional App and Web Control
AquaConnect® Remote Pool Management offers four ways to manage pool, spa and backyard control functions: Apps, Wi-Fi, Web, and select Home Automation Serial Interfaces. Enjoy 24/7 access to the AquaConnect platform through all internet and mobile device portals, as well as a serial option for integration with existing home automation systems.

Optional Remotes
- AquaPod 2.0 touchscreen, waterproof, fully programmable handheld remote
- Wired or wireless full function wall-mount displays suitable for indoor or protected outdoor use
- Wireless, full function, rechargeable tabletop
- Wireless, floating spa side remote turns on/off all major pool, spa and auxiliary functions
- Wired 6 or 8 function spa side for exterior spa side mounting



Available until December 2022 or while supplies last*

AquaPlus shown with both optional Sense & Dispense and AquaConnect Remote Pool Management. Mobile phone and tablet not included.

AquaPlus Base System Buying Guide — EXPERT LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
PL-PLUS*	AquaPlus Control and Salt Chlorination with 4 relays, 3 valve outputs, salt cell for pools up to 40,000 gallons	1	40 lbs.
HLPLUS4W	OmniPL 4 Relay, Salt Cell, with App **Replacement for PL_PLUS**	1	49 lbs.

Options and Accessories Buying Guide — OPEN LINE

Model Number	Description	PL-PLUS	Ctn. Qty.	Shipping Weight
AQL2-POD2	AquaPod® waterproof, full function, touch screen remote, wireless	X	1	1 lb.
AQL2-SS-RF	6 function waterproof remote, wireless	X	1	1 lb.
AQL2-BASE-RF	Wireless antenna	X	1	1 lb.
AQL2-Tx-RF-P-4	Wireless tabletop remote, White or Black	X	1	2 lbs.
AQL2-Tx-RF-PS16	Wireless tabletop remote, White or Black	—	1	2 lbs.
AQL2-WW-PS-16	Wired wall mount remote, White	—	1	2 lbs.
AQL-WW-P-4	Wired wall mount remote, White	X	1	1 lb.
AQL-SS-6B-x	Wired 6 function spa-side remote, White or Black	X	1	1 lb.
AQL-SS-D-x	Wired digital spa-side remote, White or Black	—	1	2 lbs.
AQ-CO-HOMENET	AquaConnect Web and Wi-Fi Home Network Interface	X	1	2 lbs.
HL-CHEM	Chemistry Kit, pH and ORP Sense, ORP Dispense	X	1	9 lbs.
AQL-CHEM2	pH Dispense, 120V Solenoid Valve for CO_2	X	1	2 lbs.
AQL-CHEM4-ACID	pH Dispense, Acid Feed System, 120V	X	1	24 lbs.
AQL-CHEM4-CHLOR	Liquid Chlorine Dispense System, 120V	X	1	24 lbs.
AQL-RELAY-AC-KT	High Voltage Relay Kit (connects to valve output)	X	1	0.5 lb.

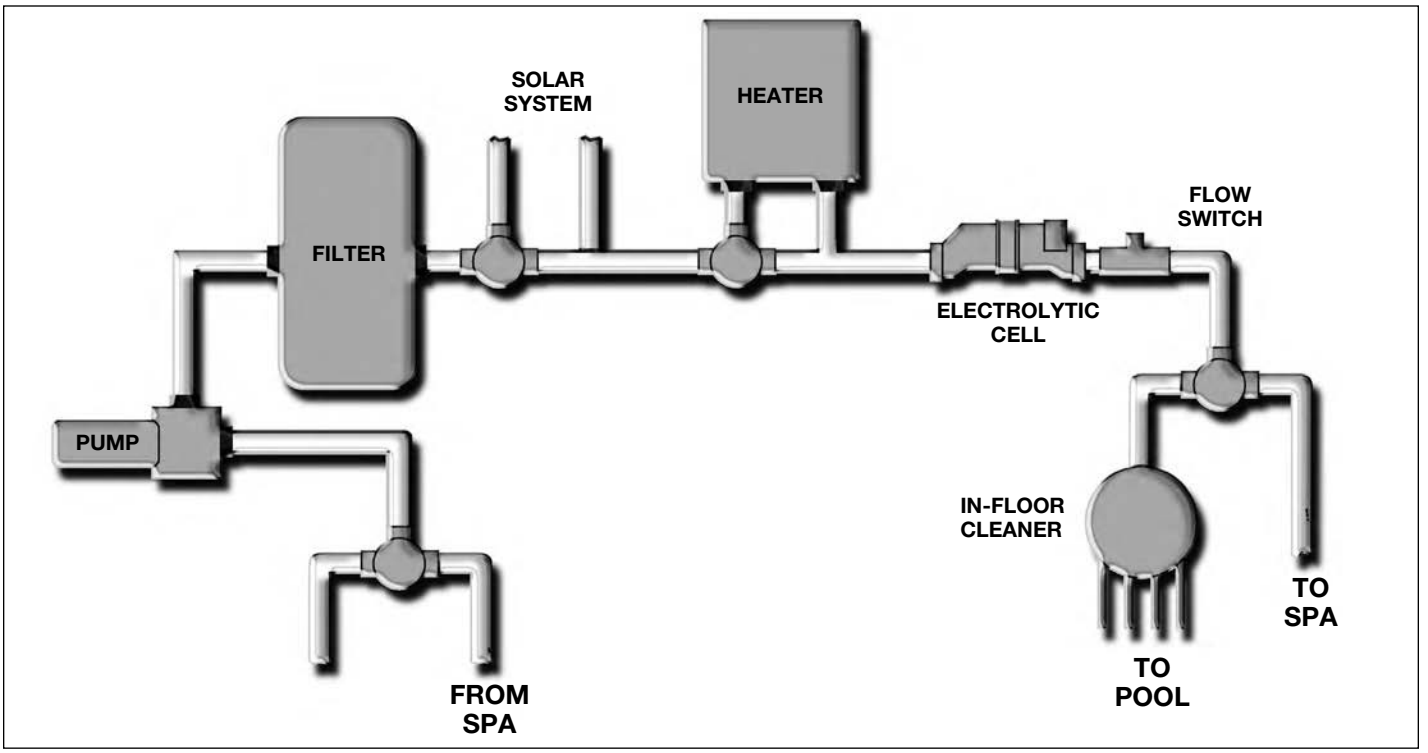
NOTE: When ordering wireless and/or wired remote controls, please substitute x in the item number with W (White) or B (Black).

For replacement parts see pages 265–269.

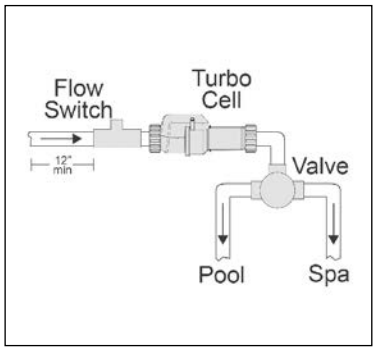
Chlorinator Cell

PLUMBING INSTALLATION

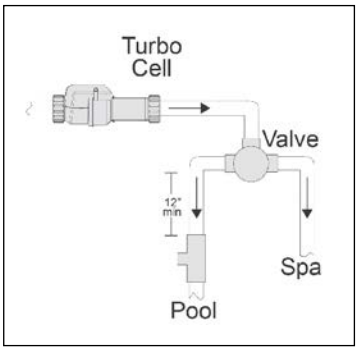
Install the cell and flow switch down stream of all existing equipment, but prior to the pool/spa return valve. The flow switch can be located immediately downstream from the cell (as shown) or can be installed with 12" of straight pipe directly before the mounting tee (option 1 below). For stand-alone installations on pool/spa systems, refer to options 2 or 3 in order to avoid possible over chlorination of the spa. For 2-speed or variable speed pumps and systems with low flow rates, refer to option 4 to ensure complete coverage of the cell electrodes during operation. Note that the chlorinator cell can be mounted in any orientation.



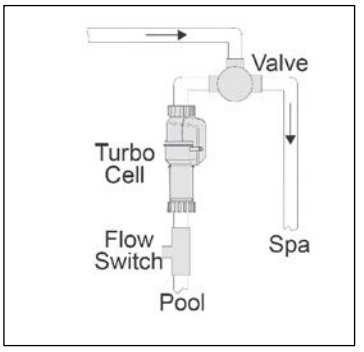
Chlorinator Cell



Optional Configuration #1

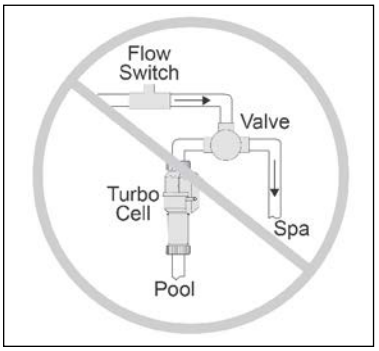


Optional Configuration #2



Optional Configuration #3

PREFERRED INSTALLATION WITH 2-SPEED AND V.S. PUMPS AND SYSTEMS WITH LOW FLOW RATES



Optional Configuration #4

Salt Facts

FOR SALT CHLORINE GENERATORS

Hayward Salt Chlorine Generators all produce their own chlorine from a low concentration of salt dissolved into the pool water to create 100% of the pool's sanitizing needs.

Will the pool water taste salty?

No. The concentration of salt in the pool water is approximately 1/10 of the level in the ocean and is below the level of taste for most people. This level of salt is equivalent to 1 teaspoon of salt in a gallon of water.

Types of salt

Salt chlorine generators use ordinary food grade, solar salt or water softener salt. Regardless of which type of salt you chose ensure that it is at least 99% pure salt (NaCl). Never use rock salt (ice melt) or salts that have more than 1% of "anti-caking agents", "yellow prussiate of soda", or "sodium ferrocyanide" added as these compounds may cause staining of the pool. Salt is available from most distributors in 40-80 pound bags.

Amount of salt to add to the pool

Hayward salt chlorine generation systems require salt levels between 2700 and 3400 ppm. Note: Refer to individual Hayward model capabilities to operate at lower levels, covering a wider salt range of 800-8000 ppm. This amount of salt is below the level of taste for most people and is the equivalent of 1 teaspoon of salt per gallon. Since all chlorine added to a pool eventually reverts to salt, it is very important to measure the salt level in existing pools before adding any salt.

How to use this table

1. Locate current salt level (ex. 1400 ppm)
2. Locate pool size (ex. 24,000 gallons)
3. Find intersection of these two values to determine pounds of salt needed to raise water to 3200 ppm salt (ex. 360 lbs. of salt).

How to add salt

After determining the amount of salt to add from the table below, hold 1 or 2 bags in reserve. Dump the remaining bags directly into the pool and brush the salt around to speed up the dissolving process. Do not allow the salt to sit in a pile at the bottom of the pool. Salt water is heavier than fresh water so the salt water will tend to accumulate at the deepest part of the pool. Run the filter system with the suction coming from the main drain for 24 hours to evenly distribute the salt throughout the pool. Note: For new plaster pools, consult with the applicator for the recommended cure time before adding salt.

Salt Display

The salt display responds slowly to rapid changes in salt level. It takes up to 24 hours of circulation for the salt to be evenly distributed in the pool. Be patient and do not over-react by adding too much salt. If the salt level is still low after 24-48 hours, add the reserve bags (see "How to add salt" above) to the pool.

Pounds of Salt Required for 3200 ppm

Current Salt Level (ppm)	Pool Size – Gallons																
	8,000	**10,000**	**12,000**	**14,000**	**16,000**	**18,000**	**20,000**	**22,000**	**24,000**	**26,000**	**28,000**	**30,000**	**32,000**	**34,000**	**36,000**	**38,000**	**40,000**
0	213	267	320	373	427	480	533	587	**640**	693	747	800	853	907	960	1013	1067
200	200	250	300	350	400	450	500	550	**600**	650	700	750	800	850	900	950	1000
400	187	233	280	327	373	420	467	513	**560**	607	653	700	747	793	840	887	933
600	173	217	260	303	347	390	433	477	**520**	563	607	650	693	737	780	823	867
800	160	200	240	280	320	360	400	440	**480**	520	560	600	640	680	720	760	800
1000	147	183	220	257	293	330	367	403	**440**	477	513	550	587	623	660	697	733
1200	133	167	200	233	267	300	333	367	**400**	433	467	500	533	567	600	633	667
1400	**120**	**150**	**180**	**210**	**240**	**270**	**300**	**330**	**360**	390	420	450	480	510	540	570	600
1600	107	133	160	187	213	240	267	293	320	347	373	400	427	453	480	507	533
1800	93	117	140	163	187	210	233	257	280	303	327	350	373	397	420	443	467
2000	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400
2200	67	83	100	117	133	150	167	183	200	217	233	250	267	283	300	317	333
2400	53	67	80	93	107	120	133	147	160	173	187	200	213	227	240	253	267
2600	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
2800	27	33	40	47	53	60	67	73	80	87	93	100	107	113	120	127	133
3000	13	17	20	23	27	30	33	37	40	43	47	50	53	57	60	63	67
3200	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal
3400	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok

Pool Chemistry

POOL CHEMISTRY FOR SALT CHLORINE GENERATORS

It is important to maintain salt and stabilizer levels in order to prevent scaling and to maximize system effectiveness. Test the water periodically and use standard pool industry procedures to adjust levels.

Salt 2700 to 3400 ppm

Check monthly using an independent salt test. The higher end of the salt level range lets the salt chlorine generator produce more chlorine. The salt chlorine generator will indicate when the salt level drops below 2700 ppm and it will stop operating if the salt drops to 2300 ppm or below.* The alarms/indicators for the AQR S3 are configurable and the high/low alarms can be set to any value between 1200–8000ppm, and the system will shut off at 800ppm and 8000ppm. On most pools, the salt level tends to slowly drift downward as fresh water is added to the pool (rain or makeup water for splash-out, back-washing etc.). A good procedure is to add enough salt to be near the top of the range. Add stabilizer (see below) at the same time. Although 2700–3400 ppm is the desired range, **AquaRite S3 Salt Chlorination System operates over a broad range of salt levels, 800–8000 ppm.**

Stabilizer 30 to 50 ppm

Check monthly. Stabilizer is also known as conditioner, cyanuric acid, or isocyanuric acid. Refer to local codes regarding its use. Stabilizer helps maintain the chlorine residual in the pool by protecting it from the UV rays of the sun. Without stabilizer, the salt chlorine generator would have to produce much more chlorine in order to keep the desired residual level in the pool. This can reduce the life of the cell. Add enough stabilizer to be near the top end of the range at the same time you add salt.

Chlorine

Ideally, all of the chlorine in the pool should be "free chlorine" and there should be zero "combined chlorine." "Free chlorine" means that it is not attached to any contaminants in the pool and is ready to attack any algae or bacteria that it comes in contact with. Note that test kits using the OTO method (yellow color) only test total chlorine and can not differentiate between "free" and "combined". DPD test kits (red color) do allow for the testing of both total chlorine and "free chlorine".

pH determines Chlorine effectiveness

The recommended pH range is 7.2 to 7.8. If the pool's pH rises above the top end of the range, the sanitizing effectiveness of the chlorine can be greatly reduced. For example: The chlorine in a pool with the pH at 7.2 is approximately ten times more effective than the same amount of chlorine in a pool with the pH at 8.2.

Why is water chemistry important?

Continuous filtration, cleaning and sanitization are not enough — balancing pH (potential hydrogen) is vital. Chlorination should keep germs and algae at bay but when pH is unbalanced, it can't do its job. Let the pH drop too low and the water becomes acidic and attacks anything it touches. When pH drifts up, the water becomes alkaline and creates an environment where mineral deposits (scale) can form. Furthermore, when pH is high, chlorine becomes less effective at its primary task — killing bacteria and algae.

ORP (oxidation reduction potential) measures the oxidizing capacity in water. It is a proven measurement and maintenance technology mandated for commercial pool sanitization. Unlike most home-test processes, ORP is not fooled by the effects of pH, TDS (total dissolved solids) and other factors. Most home-test kits and strips only report free chlorine and other less effective forms of chlorine. Only ORP can deliver further detailed analysis of the more important free chlorine. It differentiates free chlorine's components HOCl (hypochlorous acid) and OCl- (hypochlorite ion). OCl- is a slow-acting sanitizer, and HOCl is up to 300 times more effective. ORP targets HOCl, a more fine-tuned measurement of the effectiveness of chlorine and water quality.

Studies have reported on the relationship between ORP and chlorine's activity with germs and bacteria. They've concluded that ORP significantly predicts water bacterial quality better than other methods. As a result, in most states, the highly regulated commercial pool industry requires ORP testing.

What is balanced water?

Water balance is composed of several key factors — pH, total alkalinity, calcium hardness and TDS. All of these factors are important, but none more so than pH. pH is a measurement of the concentration of hydrogen ions in water. It is measured using a logarithmic scale from 0 to 14, with pH 7 being neutral.

For pool water to be in balance, all factors must be in their proper range. That range may vary slightly depending on the finish of the pool and the average temperature of the pool water. The one value that never changes is pH. It must be maintained between 7.2 and 7.8 for a pool to be considered "balanced."

TurboCell®
Right-sized salt chlorination

Hayward TurboCells come in three sizes – 40,000, 25,000, 18,000 and 15,000 gallons. The new sizes enable you to right-size your pool for the most-efficient and cost-effective chlorination possible. These cells are based on the proven TurboCell technology. They automatically generate a self-renewing supply of fresh, pure chlorine — for water that's clean, clear and luxuriously soft.

Live in an arid climate?

You may need a larger cell. Contact your local pool professional for more information on right-sizing pools in arid climates.

NOTE: *Refer to individual Hayward model capabilities to operate at lower levels, covering a wider salt range of 800–8000 ppm.

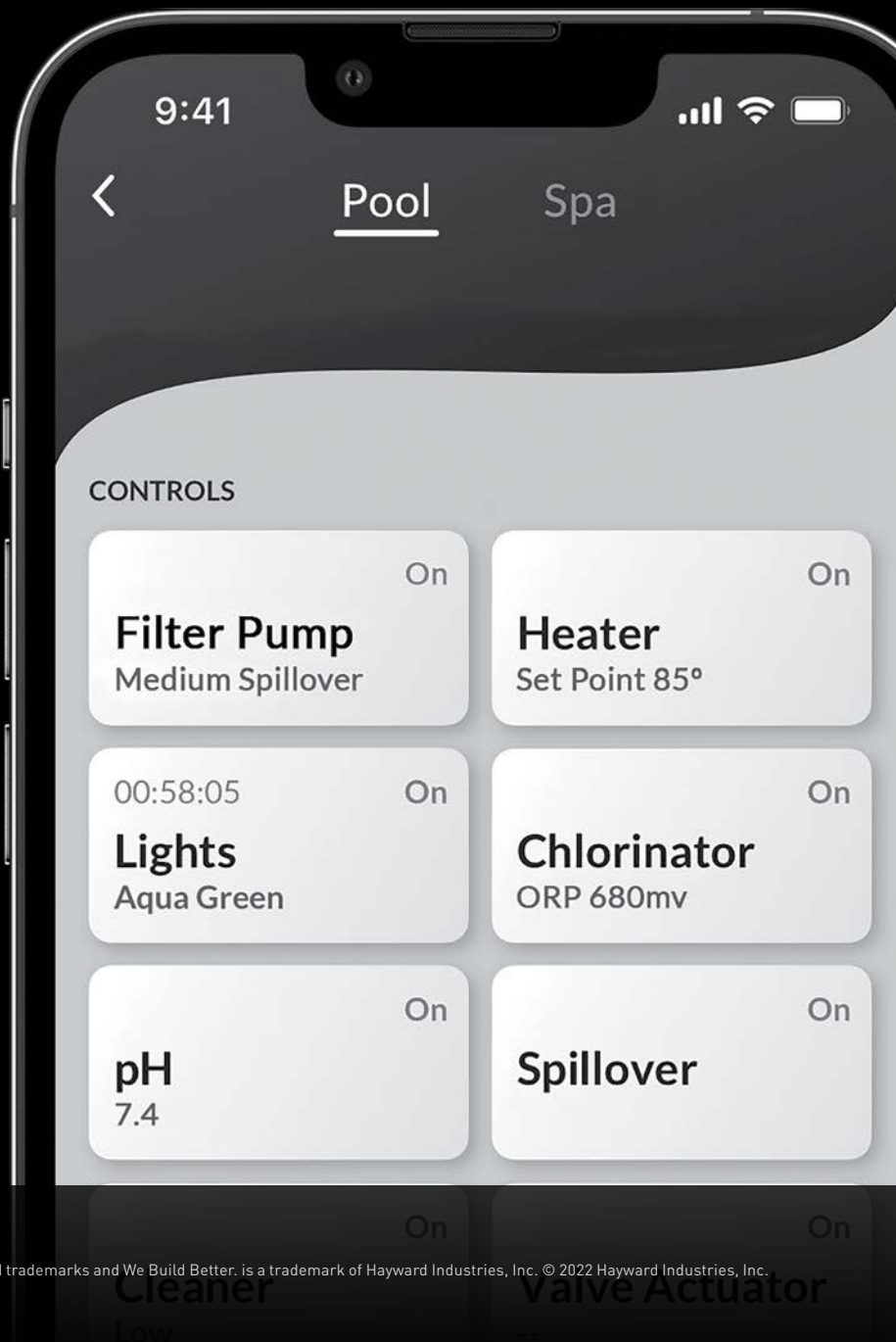
WATER QUALITY PARAMETER	IDEAL LEVELS
Salt	**2700 to 3400 ppm**
Free Chlorine	1.0 to 3.0 ppm
pH	7.2 to 7.8
Cyanuric Acid (Stabilizer)	**30 to 50 ppm***
Total Alkalinity	80 to 120 ppm
Calcium Hardness	200 to 400 ppm
Metals	0 ppm
Saturation Index	–0.2 to 0.2 (optimal)

NOTE: *Should be lower or even 0 for indoor pools. Follow guidance of a local pool professional.

SIMPLE IS BETTER.

The OmniLogic app connects everything in the pool and backyard and controls it all with a tap, click or voice command. Plus, with the same intuitive interface for every Omni® automation system and thousands of 5-star reviews on app stores, OmniLogic is just as simple to love as it is to use.

THE HIGHEST-RATED POOL CONTROL APP.



Scan the code to learn more.

OMNILOGIC® APP

HAYWARD®
We Build Better.™

Mobile phone is not included with Omni automation systems.
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Omni® Smart Pool & Spa Control

CONFIGURATION GUIDE



OmniLogic® Premium New Construction
New, premium pools and spas. OmniLogic brings the most advanced automation for fully featured backyard control. To learn more about OmniLogic visit page 87.



OmniPL® Flexible New Construction
Unmatched value in automation for new and existing mid-range pools. To learn more about OmniPL visit page 88.



OmniHub® Aftermarket Controllers
Easy way to add after-market control, OmniHub delivers automation to new and existing entry-level pools. To learn more about OmniHub visit page 89.

Configuration Guide

1. Start with OmniLogic, OmniPL or OmniHub Panel

Control variable-speed pumps without additional relays. OmniLogic controls 16, OmniPL controls 8 and OmniHub controls 3.

Model Number	Description	OmniLogic	OmniPL	OmniHub
HLBASE	OmniLogic 4-Relay Base with App	✓		
HLPRO4W*	OmniPL 4 Relay, with App		✓	
HLPRO4SW*	OmniPL 4 Relay, Salt Ready, with App		✓	
HLPLUS4W*	OmniPL 4 Relay, Salt Cell, with App		✓	
HLPRO4NW*	OmniPL 4 Relay, No Subpanel, with App		✓	
HLPRO4NSW*	OmniPL 4 Relay, No Subpanel, Salt Ready, with App		✓	
HLOMNIHUB	OmniHub wiring base unit, control pad, and smart relay, with App			✓

*Available Spring 2023

2. Optional System Expansion

OmniLogic expansion panel adds an additional system panel with the same capabilities as the base unit (HLEXPAND). I/O expansion panel plugs directly into base unit and provides 4 additional valve actuating relays, 4 additional low voltage relays, and 4 additional temperature sensors (HLIOEXPAND).

HLEXPAND	OmniLogic Expansion Panel	✓	No	No
HLIOEXPAND	IO Expansion Board (Valves)	✓	No	No

3. Optional Additional Controls

Ability to add additional multi module relays or single smart or standard relays to Hayward Omni Controls (see compatibility chart).

HLRELAYBANK	OmniLogic 4-Relay Module	✓	No	No
HLRELAY	OmniLogic 1-Relay Module	2	2	No
HLH485RELAY	Omni RS485 Smart Relay	2	2	3
GVA-24	Actuator, 24 Volt	4 (up to 16*)	4	2
HLPMPCONV	OmniLogic Competitive VSP Converter Board	✓	✓	✓

4. Optional Remote Controls

Remotes include a wired or wireless with touch screens display. Website and apps are available for use on a smartphone or tablet.

HLWLAN	OmniLogic Wireless Network Antenna	✓*	No	No
HLWIRELESS	OmniLogic Wireless Waterproof Remote	✓	✓	✓
HLWALLMOUNT	OmniLogic Wall-Mount Remote	✓	✓	No
HLSPASIDE	OmniLogic Wired Spa Side Remote	✓	✓	✓

*For Omnis with Internal Displays

5. Optional Sanitization

Add Hayward Salt Plumbing Kit (P-KIT) and choose a TurboCell® based on the pool size. Sense & Dispense® also optional for fully integrated chemistry automation.

TCELLS340	TurboCell S3 Salt Cell for 40,000 gallons	✓	S Models	No
P-KIT	Hayward Salt Plumbing Kit	✓	✓	No
HL-CHEM	Sense & Dispense	✓	✓	✓
HLAQRPCB	AquaRite® Daughter Board	✓	✓	✓

NOTE: Mobile phone and tablet are not included with Omni products. OmniLogic shown with optional remotes. *With expanded capabilities from HLIOEXPAND/HLEXPAND

Elite automation for fully featured new pool and spas. OmniLogic brings backyard control to the forefront of pool technology. Enjoy the luxuries of full automation from the most intuitive app with effortless upgrades to always keep your backyard on the cutting edge.

Applications

- Any pool or pool/spa combination
- Single, shared or dual equipment
- Up to 4 bodies of water

Features and Benefits

- Eliminate complexity. With the most intuitive, icon-based user-interface, set your controller to fit your preferences quickly and easily
- Modular Expandability. Equipped with 4 relays with flexibility to upgrade. Increase to 20 relays with HLRELAY, HLRELAYBANK and HLEXPAND
- OmniDirect Mode™. Pair ColorLogic® LED lighting and water features with Hayward automation to get additional color options, dimming control and more
- Salt Compatibility. Designed to be salt-ready and enables you to lower your salt level down to 800 ppm.
- Compatible with Sense & Dispense®, let OmniLogic keep your chemicals perfectly balanced.
- Pump Control. Full control of up to 16 Variable Speed Pumps without using any relays
- Automatic Cover Scale-Back Mode: automatically adjusts pump, chlorinator and heating settings for maximum efficiency when an electronic pool cover is closed
- Compatible with Omni® Remotes: HLWIRELESS, HLWALLMOUNT and HLSPASIDE
- OmniLogic app: Controlling your entire pool pad is easy, fast and intuitive. Set schedules or themes, monitor and make adjustments when desired
- Effortless Voice Assisted Device Control. Works with popular voice control systems like Amazon® Alexa® and Google Home®

Standard Features

- Built-in touch display for easy configuration and programming
- Fully programmable, automatic control of every output
- 4 High-voltage relays upgradeable to 20
- 4 Valve Actuator relays upgradeable to 16
- Controls up to 16 EcoStar Pumps without using a relay
- Controls up to 5 heaters
- 100A Subpanel with 12 Breaker Slots
- 50 Configurable Favorites Buttons
- 25 Unique Programmable Themes
- Salt Chlorination Ready
- Relocatable Touch Screen Display with 15 ft. cable for easy configuration and programming
- Web-enabled for app and voice assistant control



OmniLogic Pool and Spa Automation System shown with optional wireless and spaside remotes. Mobile phone, tablet and remotes are not included.

OmniLogic Base System Buying Guide — EXPERT LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
HLBASE	OmniLogic 4-Relay Base Controller	1	63 lbs.
HLEXPAND	OmniLogic Expansion Panel	1	63 lbs.
Accessories			
TCELLS340	TurboCell® S3 Salt Cell for pools up to 40,000 gallons	1	4.2 lbs.

Options and Accessories Buying Guide — OPEN LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
HLRELAYBANK	OmniLogic 4 Relay Module	1	5 lbs.
HLRELAY	OmniLogic 1 Relay Module	1	1 lb.
HLH485RELAY	Omni RS485 Smart Relay	1	4 lbs.
HLPMPCONV	OmniLogic Competitive VSP Converter Board	1	1 lb.
HLAQRPCB	Omni Daughter board for existing AquaRite installations	1	1 lb.
HLIOEXPAND	OmniLogic 4x4x4 Valves, Sensors, Inputs	1	1 lb.
HLWLAN	OmniLogic Antenna (for Internal Display Omnis)	1	2 lbs.
HLWALLMOUNT	OmniLogic Wall-Mount Remote	1	3 lbs.
HLWIRELESS	OmniLogic Wireless Waterproof Remote	1	5 lbs.
HLSPASIDE	OmniLogic Wired Spaside Remote	1	3.5 lbs.
HLMUDBOX	OmniLogic Spaside Mudbox	1	0.5 lb.
GVA-24	Hayward Actuator, 24 Volt	1	3 lbs.
TCELLS340	TurboCell® S3 Salt Cell for pools up to 40,000 gallons	1	4.2 lbs.
P-KIT	Hayward Salt Plumbing Kit	1	4.3 lbs.
HL-CHEM	Sense & Dispense	1	9 lbs.
AQL-CHEM4-ACID	pH Dispense, Acid Feed System, 120V	1	24 lbs.
AQL-CHEM4-CHLOR	ORP Dispense, Liquid Chlorine Feed System, 120V	1	24 lbs.

Discover how Hayward can help you sell more pools, more features, more everything! Learn about the Omni Interactive Sales tool at ***hayward.com/interactive***

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OmniPL®

SMART POOL AND SPA CONTROL



OmniPL Smart Pool and Spa Control shown with app and optional wireless remote. Mobile phone, tablet and remote are not included.

OmniPL Buying Guide — EXPERT LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
HLPRO4W	OmniPL 4 Relay with App	1	37 lbs.
HLPRO4SW	OmniPL 4 Relay, Salt Ready with App	1	37 lbs.
HLPLUS4W	OmniPL 4 Relay, Salt Cell with App	1	40 lbs.
HLPRO4NW	OmniPL 4 Relay, No Sub, with App	1	33 lbs.
HLPRO4NSW	OmniPL 4 Relay, No Sub, Salt Ready with App	1	33 lbs.
Accessories			
TCELLS340	TurboCell® S3 Salt Cell for pools up to 40,000 gallons	1	4.2 lbs.

Accessories Buying Guide — OPEN LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
HLRELAY	OmniLogic 1-Relay Module	1	1 lb.
HLH485RELAY	Omni RS485 Smart Relay	1	4 lbs.
GVA-24	Actuator, 24 Volt	1	3 lbs.
HLWIRELESS	OmniLogic Wireless Waterproof Remote	1	5 lbs.
HLWALLMOUNT	OmniLogic Wall-Mount Remote	1	3 lbs.
HLSPASIDE	OmniLogic Wired Spa Side Remote	1	3.5 lbs.
TCELLS340	TurboCell® S3 Salt Cell for pools up to 40,000 gallons	1	4.2 lbs.
P-KIT	Hayward Salt Plumbing Kit	1	4.3 lbs.
HLAQRPCB	Omni Daughter board for existing AquaRite installations	1	1 lb.
HLPMPCOMV	OmniLogic Competitive VSP Converter Board	1	1 lb.
HLCHEM	Sense & Dispense®	1	9 lbs.
HLPROUPG	ProLogic® to OmniPL Upgrade Kit	1	10 lbs.

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Unmatched value in automation for new pools and spas. OmniPL leverages the OmniLogic® platform and easy-to-use app, where you can customize the level of smart control. Simplify pool ownership by integrating salt chlorination options with your automation.

Applications

- Residential, new or existing in-ground pools
- Single, shared or dual equipment

Features and Benefits

- Ease of Installation. External control display equipped with 15-foot cord.
- Pump Control. Full control of up to 8 Hayward Variable Speed Pumps without using any relays. Can also control competitive VS Pumps with HLPMPCONV. Visit Hayward.com for compatibility.
- Modular Expandability. Equipped with 4 relays with flexibility to upgrade. Increase to 6 relays with (2)-HLRELAY, increase to 8 relays with additional (2)-HLH485Relay.
- OmniDirect Mode™. Supports ColorLogic® LED lighting with 20 added color options, 7 exclusive shows and precise control of dimming, speed and more.
- Salt Compatibility. Select models are ready for salt once you add a Hayward salt cell (S models). Select models include a salt cell for pools up to 40,000 gallons (Plus models).
- Compatible with Omni® Remotes: HLWRELESS, HLWALLMOUNT and HLSPASIDE
- OmniLogic app allows you to monitor, set schedules and control your entire backyard at home or on the go (only available on W models).
- Effortless Voice Assisted Device Control. Works with popular voice control systems like Amazon® Alexa® and Google Home® (only available on W models)

Standard Features

- External relocatable touch screen display for easy configuration and programming
- Fully programmable, automatic control of every output
- 4 High-voltage relays upgradeable to 8
- 4 valve actuator relays
- Controls up to 8 pumps without using a relay
- 100A Subpanel with 8 Breaker Slots
- 50 Configurable Favorites Buttons
- 25 Unique Programmable Themes
- Salt Chlorination Ready (S models), select models include a salt cell (Plus models)
- Web-enabled for app and voice assistant control (W models)

End-to-End pool and spa control for existing pools. OmniHub installs quick and easily to deliver smart pool and spa control in any backyard in a matter of hours. With the ability to control virtually every piece of pool and spa equipment right from a smartphone, tablet or voice control device, OmniHub is an easy add-on to existing pool pads. Plus, with the ability to bundle with a variety of Hayward products including our AquaRite® salt chlorination system and TriStar® variable-speed pumps, your customers get an instant backyard upgrade at significant cost savings.

Applications

- Residential, new or existing in-ground entry-level pools
- Existing pools with timeclocks or without app control

Features and Benefits

- Affordable way to add smart pool control to nearly any pool.
- Compatible with Hayward pool products and most pool equipment brands for entire pool and spa pad control.
- Access, manage, and schedule from anywhere on your smartphone with the OmniLogic® app.
- Integrates with popular voice activated devices including Amazon®, Alexa®, and Google Home®.
- Ability to add up to 2 additional Smart Relays for even more control including booster pumps, cleaner, backyard lighting, and water features.
- OmniDirect Mode™ supports ColorLogic® LED lighting with 20 added color options, 7 exclusive shows and precise control of dimming, speed and more
- Simple upgrade to AquaRite® Salt Chlorination system, for both new and existing installations. See page 80 for more information.

Standard Features

- Includes wiring base unit, control pad and 1 smart relay
- External touch display for easy configuration and programming
- Fully programmable, automatic control of every output
- 1 High-voltage relay upgradeable to 3
- Controls 2 valves for Pool and Spa control, Solar Heating or Water Feature control
- 50 Configurable Favorites Buttons
- 25 Unique Programmable Themes
- Salt Chlorination compatible with AquaRite daughterboard
- Built in WiFi/App Connectivity
- Web-enabled for app and voice assistant control



OmniHub wiring base unit, smart relay, and control pad. Mobile phone not included.

OmniHub Buying Guide — EXPERT LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
HLOMNIHUB	OmniHub wiring base unit, control pad, and smart relay	1	18 lbs.

Accessories Buying Guide — OPEN LINE

HLH485RELAY	Omni® smart relay kit, includes J-Box and 6' whip	1	4 lbs.
HLPMPCONV	OmniLogic Competitive VSP Converter Board	1	1 lb.
HLAQRPCB	Omni Daughter board for existing AquaRite installations	1	1 lb.
HLWIRELESS	OmniLogic® Wireless Waterproof Remote	1	5 lbs.
HLSPASIDE	OmniLogic Wired Spaside Remote	1	3.5 lbs.
HLSPAKIT	Two valve accuators and smart relay	1	11.3 lbs.
HLMUDBOX	OmniLogic Spaside Mudbox	1	0.5 lb.

OmniHub Pool Pad Bundles — EXPERT LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
HL32950VSP	TriStar® VS 950 Omni variable-speed pump	1	83 lbs.
HL32900VSP	TriStar® VS 900 Omni variable-speed pump	1	70 lbs.
HL2670020VSP	Super Pump® VS 700 Omni variable-speed pump	1	63 lbs.
HL2350020VSP	MaxFlo VS™ 500 Omni variable-speed pump	1	63 lbs.

To learn more about Hayward OmniHub, visit hayward.com/omnihub

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Omni® Remotes

REMOTES FOR OMNI AUTOMATION

OPEN LINE



Omni Wall-Mount Control



Omni Wired Spaside Touchpad and Mud Box



Omni Wireless Remote

Omni Remotes Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
HLWIRELESS	Omni wireless waterproof touchscreen remote	1	4 lbs.
HLWALLMOUNT	Omni wired wall-mount touchscreen remote	1	3 lbs.
HLSPASIDE	Omni wired spaside touchpad	1	4 lbs.
HLMUDBOX	Omni spaside mud box	1	1 lb.



OmniLogic



OmniPL

Learn more about OmniLogic at thepowerofsimple.com

Learn more about OmniPL at hayward.com/omnipl

Learn more about OmniHub at hayward.com/getomnihub

Tap Into Luxury with User-Friendly Controls

From intuitive, elegant wireless remotes to practical, built-in touchpads, Hayward® offers a variety of options to control OmniLogic®, OmniPL® and OmniHub™ systems inside, outside, spaside—or even from the middle of the water.

Convenient options for pool, spa and backyard control.

Omni Wireless Remote

Features

- Wireless, waterproof, buoyant design
- Offers complete control of pool, spa and backyard features
- Intuitive user interface and touchscreen for easy operation day and night
- Connects to home Wi-Fi® networks
- Battery life of up to two days

Omni Wall-Mount Control

Features

- Wired, full-function, wall-mount control
- Offers complete control of pool, spa and backyard features
- Intuitive user interface and touchscreen for easy operation day and night
- For indoor or protected outdoor use

Omni Wired Spaside Touchpad and Mud Box

Features

- Wired, 6-button spaside control
- Ideal addition to spa builds or renovations
- Customizable touchpad offers control of spa features including temperature, spa mode, lights, jets, blower and themes
- Low-profile design allows for flush installation against spa surfaces or tile line
- Fully potted design provides protection from the elements

More about OmniLogic, OmniPL and OmniHub

Hayward Omni Controls deliver total pool, spa and backyard control from anywhere. OmniLogic is ideal for new, largescale builds, OmniPL is ideal for midrange pools and renovations and OmniHub is a perfect add-on to existing pools and spas or new builds with standard equipment. All systems offer simple mobile access and control of features and settings including heating, lighting, filtration and cleaning. They also integrate with popular home automation systems like Amazon® Alexa for added convenience.

ProLogic is a pool controller system that suits any backyard environment. It takes the work out of owning a pool and spa by automating all essential pool and spa functions, water chemistry with Sense and Dispense®, salt chlorination, custom light shows with Universal ColorLogic® LED lights and other backyard features like water features, lights and foggers. ProLogic gives pool owners the freedom to monitor and control their pool, spa and backyard functions using standard remotes. They can turn up the spa heater; adjust cleaning, filtration or lighting schedules or check out how the water's pH and sanitization levels look.

Automating variable speed and 2-speed pumps can save pool owners up to 70% on energy costs. Whether homeowners have basic pool functions or a more complex backyard, the ProLogic series offers the right level of control for any environment.

Applications
- Any residential pool or pool/spa combination
- Single or dual equipment

Standard Features
- Cost effective automation
- Digital display of time, day, temperature of pool/spa and ambient air
- Built-in 100A sub panel, standard
- Built-in keypad for complete operation and programming
- Controls up to 16 relays, 8 valves, 2 heaters and solar
- Fully programmable, automatic control of every output
- Programmable macros or group functions (PS Series)
- Variable speed pump control

Optional Salt Chlorination TurboCell® Sizes
- TurboCells – 15,000, 25,000 and 40,000 gallons
- Cell sizes enable home owners to right-size their pools
- Generate up to 1.45 lbs. of chlorine per day

Optional Sense and Dispense
- Sense and Dispense – fully integrated chemistry automation
- Continuously senses sanitization and pH levels and dynamically dispenses what the water needs
- Uses salt chlorination to deliver fresh chlorine when needed
- Dispense Carbon Dioxide (CO_2) or Muriatic Acid to control pH

Optional Remotes
- Full function, programmable, waterproof AquaPod® 2.0
- Wired or wireless full function wall-mount displays suitable for indoor or protected outdoor use
- Wireless, full function, rechargeable tabletop
- Wireless, floating spa side remote turns on/off all major pool, spa and auxiliary functions
- Wired 6 or 8 function spa side for exterior spa side mounting

For replacement parts see pages 265–269.



ProLogic shown with optional TurboCell, Sense and Dispense, AquaPod 2.0.

ProLogic Base System Buying Guide — EXPERT LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
PL-P-4*	4 relays, 3 valves, 1 heater, solar	1	37 lbs.
PL-PS-4*	4 relays, 4 valves, 2 heaters, solar	1	37 lbs.
PL-PS-8*	8 relays, 4 valves, 2 heaters, solar	1	37 lbs.
HLPRO4W	OmniPL 4 Relay, No Salt Capabilities with App – Replacement for PL-P-4	1	37 lbs.
HLRPO4SW	OmniPL 4 Relay, Salt Ready with App – Replacement for PL-PS-4	1	37 lbs.
HLBASE	OmniLogic 4-Relay Base with App – Replacement for PL-PS-8	1	63 lbs.

NOTE: *Available until December 2022 or while supplies last

Options and Accessories Buying Guide — OPEN LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
AQL2-POD2	AquaPod 2.0	1	1 lb.
AQL2-SS-RF	Wireless Spa Side	1	1 lb.
AQL2-BASE-RF	Wireless Antenna	1	1 lb.
AQL2-TW-RF-P-4	P-4 Wireless Tabletop	1	2 lbs.
AQL2-TW-RF-PS-4	PS-4 Wireless Tabletop	1	2 lbs.
AQL2-TW-RF-PS-8	PS-8 Wireless Tabletop	1	2 lbs.
AQL-WW-P-4	P-4 White Wired Wall Mount	1	1 lb.
AQL2-WW-PS-4	PS-4 White Wired Wall Mount	1	1 lb.
AQL2-WW-PS-8	PS-8 White Wired Wall Mount	1	1 lb.
AQL-SS-6B-W	6 Function Wired Spa Side	1	3 lbs.
AQL-SS-6B-BOX	6 Function Mud Box for Cement Applications	1	3 lbs.
AQL-SS-D-W	8 Function Digital Spa Side	1	3 lbs.
AQL-SS-D-BOX	8 Function Mud Box for Cement Applications Remote Controls	1	3 lbs.

FOR OTHER ACCESSORY BUYING INFORMATION, REFER TO PICK N' MIX BUYING GUIDE ON PAGE 92.

Pick N' Mix®

CONTROLS CONFIGURATION GUIDE

Pick N' Mix ordering system is easy — pick your controls solution, then your options. ProLogic® is a scalable, flexible line of Total Pool Management™ controls solutions that is easily customizable to suit any backyard environment — control that can be added to as the environment changes.

1. Pick your Controller

Pick N' Mix Controller Buying Guide — EXPERT LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
Controller			
PL-P-4*	ProLogic P-4 4 relays, 3 valves, 1 heater and solar	1	37 lbs.
PL-PS-4*	ProLogic PS-4 4 relays, 4 valves, 2 heaters and solar	1	37 lbs.
PL-PS-8*	ProLogic PS-8 8 relays, 4 valves, 2 heaters and solar	1	37 lbs.

*Available until December 2022 or while supplies last.

2. Pick your Options

Pick N' Mix Options Buying Guide — EXPERT LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
Salt Chlorination Cells			
TCELLS340*	40,000 gallon TurboCell® S3, 15' cable, 3 year warranty	1	4.3 lbs.
TCELLS325*	25,000 gallon TurboCell S3, 15' cable, 3 year warranty	1	4.3 lbs.

Optional Accessories Buying Guide — OPEN LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
Chemistry Automation			
HL-CHEM	Sense and Dispense® Chemistry Kit pH and ORP Sense, ORP Dispense	1	9 lbs.
AQL-CHEM2	Sense and Dispense Chemistry Kit pH Dispense Solenoid valve for CO_2, 120V	1	2 lbs.
AQL-CHEM4-ACID	pH Dispense, Acid Feed System, 120V	1	24 lbs.
P-KIT	Salt Chlorination Plumbing Kit (required with TurboCell for salt chlorination)	1	4.3 lbs.
Wireless and Wired Remote Control			
AQL2-POD2	AquaPod® 2.0	1	1 lb.
AQL2-SS-RF	Wireless Spa Side	1	1 lb.
AQL2-TW-RF-P-4	P-4 Wireless Tabletop	1	2 lbs.
AQL2-TW-RF-PS-4	PS-4 Wireless Tabletop	1	2 lbs.
AQL2-TW-RF-PS-8	PS-8 Wireless Tabletop	1	2 lbs.
AQL2-TW-RF-PS-16	PS-16 Wireless Tabletop	1	2 lbs.
AQL2-BASE-RF	Wireless Antenna (required with all AQL2 wireless remotes)	1	1 lb.
AQL-WW-P-4	P-4 White Wired Wall Mount	1	1 lb.
AQL2-WW-PS-4	PS-4 White Wired Wall Mount	1	1 lb.
AQL2-WW-PS-8	PS-8 White Wired Wall Mount	1	1 lb.
AQL2-WW-PS16	PS-16 White Wired Wall Mount	1	1 lb.
AQL-SS-6B-W	6 Function Wired Spa Side	1	3 lbs.
AQL-SS-6B-BOX	6 Function Mud Box for Cement Applications	1	3 lbs.
AQL-SS-D-W	8 Function Digital Spa Side	1	3 lbs.
AQL-SS-D-BOX	8 Function Mud Box for Cement Applications – Wireless and Wired Remote Controls	1	3 lbs.

NOTE: *TurboCells require minimum ProLogic software requirement of 4.10 or greater.

ProLogic®/OmniPL® Replacement Comparison

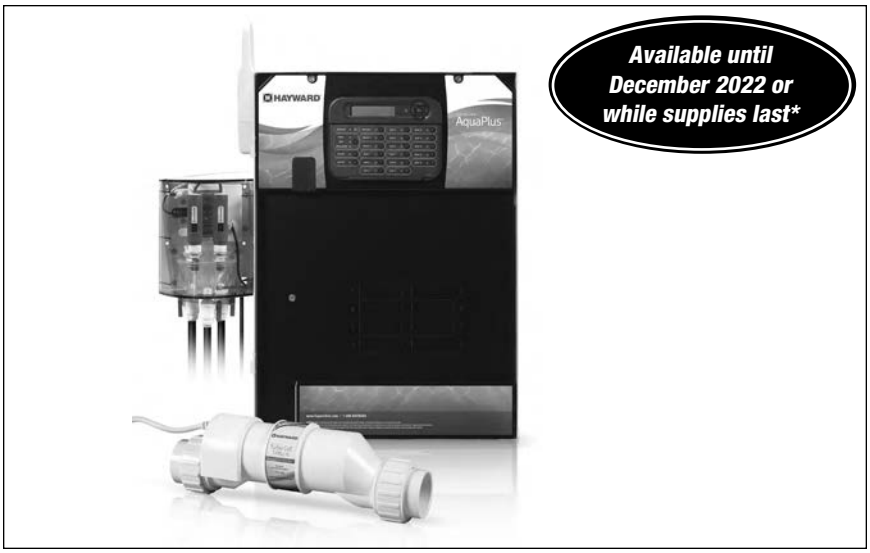
Use the chart below to select the OmniPL replacement for ProLogic model that matches your system requirements.
Also refer to pages 93–96 for more information on the optional accessories.

Feature	P-4	HLPRO4W	PS-4/8	HLPRO4SW	HLBASE	Comments
Variable Speed Pump control	**2/8**	**8**	**2/8**	**8**	**16**	**Omnis up to 8/16 VSP pumps full speed control no relays P4/PS4 2 multi speed/up to 6 as single speed**
Auxiliary relay outputs	**4**	**4-8***	**4 or 8**	**4-8***	**4-20***	**3HP, 120/240VAC *upgradeable with HLRelay, HLRelaybank and HLH485Relay**
Gas heater/heat pump control	**1**	**3**	**2***	**3**	**4-8****	**controls up to X heat sources, Omnis controls heat/cool**
Valve control	**3**	**4**	**4***	**4**	**4-16****	**24VAC, purchase GVA-24 valve actuators separately *using 2nd heater disables 4th valve output **using HLIOEXPAND and HLEXPAND**
Salt Chlorination	✓	**No**	✓	✓	✓	**Choose a 40K, 25K or 15K cell; plumbing kit required (includes flow switch and unions)**
Color Light Control	**No**	**Full**	**No**	**Full**	**Full**	**P4/PS4 manual color light control, Omnis control for Hayward (OmniDirect if available), Pentair and Jandy color lights**
Apple/Google Apps	**Optional**	✓	**Optional**	✓	✓	**apps for Apple/Android phones/tablets to control pool/spa**
Built-in subpanel	125A	125A	125A	125A	125A	8 position tub, accepts 125A feeds, derated per NEC to 100A
Knockouts of optional GFI outlet	1	1	1	1	1	side of enclosure, GFI outlet not included
Relocatable touch screen display	No	✓	No	✓	✓	Omnis have 15 ft relocatable display, all units allows programming at pool equipment pad
Themes/Groups/Macros	1	25	2	25	25	perform multiple functions with one button
Favorites/Soft Keys	0	50	0	50	50	additional keys for assigning functions
AquaRite® control	✓	✓	✓	✓	✓	controls 1 or more AquaRites for additional chlorination, Omnis require HLAQRPCB
Shared equipment for pool and spa	✓	✓	✓	✓	✓	operates pool/spa suction and return valves, allows spillover
Dual equipment for pool and spa	No	✓	✓	✓	✓	P4/PS4/8 solar function not available with dual equipment
Dual equipment with shared heater	No	✓	✓	✓	✓	controls a single heater to heat both pool and spa
Bodies of Water Supported	2	4	2	4	4	Omnis can control from your basic pool to 2 pools/2 spas on the same controller
Pool filter pump timer	4	24	4	24	24	programmable on/off periods per day
Spa pump timer	2	24	2	24	24	2 periods per day, spa has priority over all other functions
Manual on with countdown timer	✓	✓	✓	✓	✓	P4/PS4 5 minutes to 21 hours, Omnis 1 min to 24 hours
Freeze protection	✓	✓	✓	✓	✓	disable or enable with adjustable threshold 33-42°F
Auxiliary Relay functions						
Programmable names	None	Custom	Pre named	Custom	Custom	pre named examples: "spa jets", "blower", "water feature", etc.
Manual on/off	✓	✓	✓	✓	✓	turn any relay powered equipment on and off manually
Countdown timer (egg timer)	✓	✓	✓	✓	✓	manual on, automatically turns off after programmed elapsed time
Timeclock	✓	✓	✓	✓	✓	24 hour timeclock, weekday/weekend capability, Omnis daily capability
Solar boost pump	✓	✓	✓	✓	✓	turns on when solar heat is available
Interlock function	Simple	Advanced	Simple	Advanced	Advanced	enable/disable, output off when filter pump off or in spa-only mode
Valve output functions						
Manual on/off	No	✓	✓	✓	✓	manual on/off control of all relays
Default on speeds	No	✓	✓	✓	✓	turn on specific speeds for water features
Countdown timer (egg timer)	No	✓	✓	✓	✓	manual on, automatically turns off after programmed time
Timeclock	✓	✓	✓	✓	✓	24 hour timeclock, weekday/weekend capability, Omnis daily capability
Solar	✓	✓	✓	✓	✓	turns on when solar heat is available
In-floor cleaner	30/30	Custom	30/30	Custom	Custom	30 minutes in one position, 30 minutes in the other, Omnis custom
Interlock function	Simple	Advanced	Simple	Advanced	Advanced	P4/PS4 to filter pump or spa mode, omni custom scenarios for interlocks
Gas heater/heatpump control						
Separate settings for pool and spa	✓	✓	✓	✓	✓	65-104°F, with off position, Omni custom min/max
Heater cooldown	✓	✓	✓	✓	✓	enable/disable, runs filter pump for 5 minutes after heater turns off
Heater extend	✓	✓	✓	✓	✓	enable/disable, extends normal filter time if pool is not up to temperature
Manual off-automatic button	No	✓	✓	✓	✓	manual on/off of all valves
Solar control built in	✓	✓	✓	✓	✓	enable/disable, 65-104°F, separate pool and spa settings
Additional Accessory Control						
Sense and Dispense®	✓	✓	✓	✓	✓	chemistry automation
AquaPod® 2.0/HLWireless	Pod	Wireless	Pod	Wireless	Wireless	waterproof, hand held rechargeable remote control
Wired wall remote display/keypad	Buttons	Touch	Buttons	Touch	Touch	P4/PS4 wired button remote, Omnis touchscreen remote
Wired spaside remote	✓	✓	✓	✓	✓	6 functions, waterproof
Wireless antenna	Option	Built In	Option	Built In	Built In	P4/PS4 required for remotes, Omnis included in base
OmniDirect Light Controls	No	✓	No	✓	✓	20 colors, direct to color, dimming and show speed change
Home Automation Integration	No	Included	Optional $	Included	Included	free integration with most top home automation companies
Apple and Google Apps	Optional $	Included	Optional $	Included	Included	industries best pool and spa control app
Apple Watch Controls	No	Included	No	Included	Included	control your pool and spa with your Apple watch
Amazon Alexa and Google Home	No	✓	No	✓	✓	use voice control to check on and control your pool and spa

*Replacement for PL-P-4: HLPRO4W (No Salt with Web); Replacement for PL-PS-4: HLPRO4SW (Salt with Web); Replacement for PL-PS-8: HLBASE + HLRELAYBANK (Salt with Web)

AquaPlus®

ALL-IN-ONE CONTROL AND SALT CHLORINATION



Available until December 2022 or while supplies last*

AquaPlus shown with optional Sense & Dispense

AquaPlus simplifies and enhances pool and spa ownership by combining control and salt chlorination into one easy-to-install, easy-to-operate package.

With AquaPlus, programming essential functions for maximum performance, effectiveness and cost-efficiency is a snap. It lets pool owners set filtration and temperature schedules: steady all week, increasing during busy weekends, or cutting back on weekdays when activity is limited. They can even control other backyard features, including patio and landscape lighting, water features and firepits. And with a variety of remote controllers, they can program and manage it all from practically anywhere; indoors, poolside or even in the pool.

With AquaPlus, pool owners can automate water chemistry with our integrated Sense and Dispense® option. Sense and Dispense automatically senses chlorine and pH levels and dispenses chlorine via a salt chlorination system or a liquid chlorine feed tank, and controls pH delivering the most consistent water quality possible.

AquaPlus Base System Buying Guide — EXPERT LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
PL-PLUS*	AquaPlus Control and Salt Chlorination with 4 relays, 3 valve outputs, salt cell for pools up to 40,000 gallons	1	40 lbs.
HLPLUS4W	OmniPL 4 Relay, Salt Cell, with App Replacement for PL-Plus, AQL2-BASE and AQ-CO-HOMENET	1	40 lbs.

Options and Accessories Buying Guide — OPEN LINE

Model Number	Description	PL-PLUS	Ctn. Qty.	Shipping Weight
AQL2-POD2	AquaPod® waterproof, full function, touch screen remote, wireless	X	1	1 lb.
AQL2-SS-RF	6 function waterproof remote, wireless	X	1	1 lb.
AQL2-BASE-RF	Wireless antenna	X	1	1 lb.
AQL2-TW-RF-P-4	Wireless tabletop remote, White or Black	X	1	2 lbs.
AQL-WW-P-4	Wired wall mount remote, White	X	1	1 lb.
AQL-SS-6B-W	Wired 6 function spa-side remote, White or Black	X	1	1 lb.
AQL-SS-D-W	Wired digital spa-side remote, White or Black	—	1	2 lbs.
HL-CHEM	Chemistry Kit, pH and ORP Sense, ORP Dispense	X	1	9 lbs.
AQL-CHEM2	pH Dispense, 120V Solenoid Valve for CO_2	X	1	2 lbs.
AQL-CHEM4-ACID	pH Dispense, Acid Feed System, 120V	X	1	24 lbs.
AQL-CHEM4-CHLOR	Liquid Chlorine Dispense System, 120V	X	1	24 lbs.
AQL-RELAY-AC-KT	High Voltage Relay Kit (connects to valve output)	X	1	0.5 lb.

Applications

- Any pool or spa system
- Chlorinator sanitizes pools up to 40,000 gallons

Features

- Controls up to 4 relays, 3 valve actuators, 1 solar and 1 conventional heater
- Automatically sanitizes pools and spas
- Variable speed pump control
- Uses salt chlorination to deliver fresh chlorine when needed
- Super Chlorinate function
- Displays time, day, pool and spa temperature and ambient air
- Built-in 100A subpanel
- Built-in keypad for complete operation and programming
- Fully programmable automatic control of every output
- Easy to use buttons for manual control

Optional Chemistry Automation

- Sense and Dispense – fully integrated chemistry automation
- Continuously senses sanitization and pH levels and dynamically dispenses what the water needs
- Dispense Carbon Dioxide (CO2) or Muriatic Acid to control pH

Optional Remotes

- AquaPod 2.0 touchscreen, waterproof, fully programmable handheld remote
- Wired or wireless full function wall-mount displays suitable for indoor or protected outdoor use
- Wireless, full function, rechargeable tabletop
- Wireless, floating spa side remote turns on/off all major pool, spa and auxiliary functions
- Wired 6 or 8 function spa side for exterior spa side mounting

For replacement parts see pages 265–269.

All ProLogic®, OnCommand®, E-Command® 4 and AquaPlus® wireless accessories use RF radio communication technology to ensure reliable and secure operations over distances up to 500 ft. and up to 200 ft. through walls.

AquaPod® 2.0 Remote

The ultimate convenience—pool owners can control their system operation while sitting in their pool or spa.

- Control of pool, spa and other outdoor features
- Built in rechargeable batteries (charging station included) can operate while charging
- Color touch screen LCD
- Multiple heater and chlorination controls
- Program macro/group functions
- Light dimming control when available
- Dual equipment capable
- ProLogic or AquaPlus revision 2.6 or higher software
- Wireless Antenna AQL2-BASE-RF required

Wireless Spa Side Remote

Pool owners can control basic operation and temperature while sitting in their pool or spa.

- Wireless base has a unique ID code to prevent any other wireless devices from operating a pool owner's system.
- Use with any ProLogic, AquaPlus, OnCommand or E-Command 4 systems
- Factory installed battery provides years of use before replacement
- 6 functions: Filter Pump, Pool/Spa valves, Heater (on/off), Lights, 2 Auxiliary outputs
- Allows override of heater setting
- LED to confirm communication
- Wireless Antenna AQL2-BASE-RF required

Wireless Antenna

Installs directly onto the side of the ProLogic, AquaPlus, OnCommand or E-Command 4 main control unit at the equipment pad and communicates with all other wireless accessories.

- Compatible with ProLogic, AquaPlus, OnCommand and E-Command 4 systems
- Only 1 wireless antenna required per system.



AquaPod 2.0 Remote



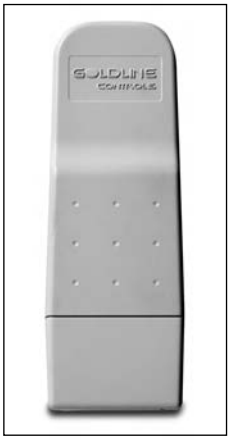
Wireless Spa Side Remote in Charger

Wireless Remote Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
AQL2-POD2	AquaPod 2.0 touchscreen waterproof wireless remote	1	1 lb.
AQL2-SS-RF	Wireless Spa Side Remote, 6 function, waterproof, floats	1	1 lb.

Wireless Antenna Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
AQL2-BASE-RF	Wireless Antenna	1	1 lb.



Wireless Antenna

For replacement parts see pages 265–271.

ProLogic® & AquaPlus®

WIRELESS TABLETOP, WIRED WALL MOUNT AND SPASIDE REMOTE CONTROLS

OPEN LINE



Wireless Table Top Remote



Wired Remote Display/Keypad



6 Button Wired Spa Side Remote Control

Wireless Table Top Remotes Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
AQL2-TW-RF-P-4	White, for use with P-4 system, AquaPlus	1	2 lbs.
AQL2-TW-RF-PS-4	White, for use with PS-4 system	1	2 lbs.
Wireless Antenna			
AQL2-BASE-RF	Wireless Antenna	1	1 lb.

Wired Wall Mount Remotes Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
AQL-WW-P-4	White, for use with P-4 system, AquaPlus	1	1 lb.
AQL2-WW-PS-4	White, for use with PS-4 system	1	1 lb.
AQL2-WW-PS-16	White, for use with PS-16 system	1	1 lb.

Wired Spa Side Remotes Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
6 Function			
AQL-SS-6B-W	6 function, White	1	3 lbs.
AQL-SS-6B-BOX	6 function mud box for cement applications	1	3 lbs.

Wireless Table Top Display

This portable display/keypad with rechargeable batteries allows the homeowner to control and program ProLogic or AquaPlus from anywhere around the pool area or inside the house. It operates for distances up to 500 ft. and up to 200 ft. through walls. Designed for indoor or outdoor use but must be protected from direct rain contact.

Applications

- Use with ProLogic P-4, PS-4/8 or AquaPlus
- Order model to match system type
- ***Wireless Antenna AQL2-BASE-RF required***

Wired Wall Mount

Allows control of all ProLogic or AquaPlus system functions from inside the house. Up to 3 wired remotes can be installed on any ProLogic or AquaPlus system.

Applications

- Use with ProLogic PS-4/8/16
- Waterproof design intended to mount at spa location
- Offers configurable button functions on all PS systems (requires software version 2.4 or higher)

Wired 6 Button Spa Side Remote Control

The 6 Button Spa Side Remote Control to use with all ProLogic and AquaPlus Pool and Spa Controls. The 6 button remote allows the user to control 6 pool/spa functions, set the heater temperature and view spa/air temperatures directly from the spa location.

Applications

- Use with ProLogic or AquaPlus
- Waterproof design intended to mount at spa location
- Offers configurable button functions on all P4 and PS systems (requires software version 2.4 or higher)

For replacement parts see pages 265–269.

The GVA-24 Valve Actuator rotates 2-port and 3-port valves automatically. Use it with OmniLogic®, OmniPL®, OmniHub®, ProLogic®, AquaPlus®, E-Command® 4 or OnCommand® to automate pool/spa operation, cleaner operation, water features, or a variety of other uses. The industry standard configuration of the GVA-24 means that it is compatible with all major manufacturer's valves and pool automation systems. The unique cam setting feature ensures a quick and easy installation with the precise control of water flow.

For the installers' convenience, kits that combine the GVA-24 valve actuator with 3-port valves are available. For solar heating installations, solar kits are available that combine a valve actuator, 3-port valve and temperature sensor.

Applications

- Pool/Spa suction and return valves
- Water feature valves
- Cleaner valves
- Solar valves
- Any 2-port or 3-port valve

Features

- Industry standard configuration, use with any valves
- Operates 2-port or 3-port valves
- Easy to adjust cams
  - ✓ Allows actuator to be in mounted in any position
  - ✓ Up to 180 degree rotation with 12.8 degree increments
- Manual Switch
  - ✓ Mounted underneath actuator to minimize tampering
  - ✓ ON1-OFF-ON2
- Allows manual rotation in the event of a power outage
- Highest torque rating available
- 20 ft. cable with industry standard plug
- UL and CUL Listed



Valve Actuator

Valve Actuator Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
Actuator			
GVA-24	Valve actuator, 24V, .75A, 15 ft. cable	1	3 lbs.
Valve and Actuator Kit			
V&A-2P	Valve actuator + 3-port/2" valve	1	5 lbs.

E-Command® 4 & OnCommand

AUTOMATION FOR ENTRY-LEVEL POOLS AND SPAS



E-Command® 4 with 6 function remote



OnCommand

E-Command 4 & OnCommand Buying Guide — EXPERT LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
E-Command			
HPC-4	E-Command 4 Base Controller	1	28 lbs.
HPC-4-ACT-RC	E-Command 4, 2 Actuators, 6 Function Remote	1	39 lbs.
HLPRO4W	OmniPL 4 Relay, with App	1	37 lbs.
OnCommand			
ONCOM*	OnCommand Base Controller	1	8 lbs.
ONCOM-ACT-RC*	OnCommand with 6 button remote control, 2 actuators and wireless antenna	1	17 lbs.
ONCOM-ACT-POD2*	OnCommand with AquaPod 2.0 remote, 2 actuators and wireless antenna	1	17 lbs.
HLPRO4NW	OmniPL 4 Relay, No Subpanel, with App	1	33 lbs.

NOTE: *Available until December 2022 or while supplies last

Options and Accessories Buying Guide — OPEN LINE

Model Number	Description	Ctn. Qty.	Shipping Weight
AQL2-POD2	AquaPod® Waterproof, Wireless, Touch Screen Remote	1	1 lb.
AQL2-SS-RF	6 Function Waterproof Remote	1	1 lb.
AQL2-BASE-RF	Wireless Antenna	1	1 lb.
GVA-24	Value Actuator, 24V, 75A, 15 ft. Cable	1	3 lbs.
AQL-RELAY-AC-KT	AC Relay Kit	1	0.5 lb.

Control Pool or Spa Functions and Costs

E-Command and OnCommand systems are the easy and cost-effective way to automate essential pool or spa functions. Automate schedules to turn lights on at night or manage an energy saving 2-speed or variable speed pump for better efficiency. Functions can be set up to run automatically or can be controlled from an optional wireless remote. The base E-Command system has a built-in electrical subpanel and both systems support 4 high-voltage relays, 3 valve actuators, 1 heater and solar. What ever the function, pool owners can maintain basic control of their pool or spa with E-Command or OnCommand systems.

Applications

- Controls single body of water – pool only, spa only or pool/spa combination with shared equipment

Features

- Built-in electrical subpanel (HPC Models only)
- Cost-effective, entry-level control and automation for single bodies of water
- Comes equipped with 4 high-voltage relays, 3 valves, 1 heater and solar
- On-board control and diagnostics displays time, day, water and air temperatures, and all control functions
- Intuitive programming and easy-to-read large digital display allows you to set up the controller in minutes
- Manages energy saving 2-speed or variable speed pumps (California Title 20 compliant) and other backyard functions to maximize energy savings
- LED light on/off control

Options and Accessories

- Optional AC relay kit
- Optional sensor kit
- Optional 6-function wireless remote with a range up to 500' feet

For replacement parts see pages 265–271.

AquaSolar® – Total Solar Control System with dual digital display of pool water, solar collector and auxiliary sensor temperatures plus full system diagnostic LEDs. Single-dial adjustment lets pool owners set desired pool temperature effortlessly. Other user-customizable features include selectable high limit (from 70°F to 140°F), programmable recirculation freeze protection and nocturnal cooling.

AquaSolar® TC – AquaSolar Time Clock model provides all the capabilities of the AquaSolar plus an integral time clock for 24-hour control of the pool's main pump and filtration system. The time clock is programmable in 15-minute increments and can have multiple on/off times. There's also an exclusive solar override feature that maximizes solar gain while minimizing electricity usage.

AquaSolar® GL-235 is designed for easy and dependable operation. Its microprocessor-based technology ensures reliable and accurate performance. Advanced features include differential temperature control, selectable high limit, programmable recirculation freeze protection, nocturnal cooling, and optional booster pump control.

Features

- Automatically maximizes solar heat collection
- Precise, easy-to-read, calibrated temperature setting
- Electronics in UV-protected locking weatherproof enclosure
- LED indicators show status of system operations
- Automatic switching (selectable) from solar pool heating to nocturnal pool cooling
- Single-setting adjustment for desired pool/spa temperature
- Recirculation freeze protection
- Installer-programmable features for any-system adaptability
- cULus or cETLus approved

Benefits

- Quick, accurate, easy-to-set desired temperature controls
- Ensures protection from the elements; guards against tampering
- Easy to read, understand and operate
- One-control for just right automation
- Selectable option activates solar when ambient temperature nears 32°F
- Assurance of safety and performance

Application

- AquaSolar Control for pool or spa heating and cooling



AquaSolar TC



AquaSolar GL-235

AquaSolar Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
Solar Pool Controls			
GL-235	AquaSolar pool control, 12/24VAC and 120/240VAC output	1	8 lbs.
AQ-SOL-LV	AquaSolar with LV output	1	25 lbs.
AQ-SOL-LV-TC	AquaSolar with LV and HV output, timeclock 3 H.P. relay	1	25 lbs.
GLX-RELAY	Optional 3 H.P. relay for AquaSolar HV outputs	1	1 lb.
Sensors			
SB	Bolt onto surface or strap onto pipe	1	1 lb.
PC*	Pool combo sensor (can be used as drill-in/insolation)	1	1 lb.

NOTE: *All sensors are interchangeable thermistor type: 10K ohm @ 77°F/25°C.

AquaSolar Control Combination Packages Ordering Info

How to Order:

Specify the desired valve and sensor pack to be included with the combo.

Example for:

AQ-SOL-LV control with 1 ½"/2" 3 way positive seal valve and 2 PC sensors

ASC-**1P**-***A***-LV

Model Number	Description
GLC-__-__	GL-235 control with valve actuator and sensors
ASC-__-__-LV	AQ-SOL-LV control with valve actuator and sensors
ASC-__-__-TC	AQ-SOL-LV-TC control with valve actuator and sensors

3 Way Valve choice of:

-1P 1 ½"/2" 3-way positive seal valve
-2P 2"/2 ½" 3-way positive seal valve

Sensor Pack choice of:

-A 2 PC sensors
-B 1 PC sensor, 1 SC-1/4 sensor

Universal ColorLogic®

12V LED POOL AND SPA LIGHTS

EXPERT LINE



Universal ColorLogic Pool and Spa Lights

Universal ColorLogic Buying Guide

Standard Switched Light	Pool or Spa	Voltage	Cord Length	Ctn. Qty.	Ctn. Weight
LPCUS22030	Pool	12	30'	1	7 lbs.
LPCUS22050	Pool	12	50'	1	9 lbs.
LPCUS22100	Pool	12	100'	1	14 lbs.
LPCUS22150	Pool	12	150'	1	19 lbs.
LSCUS22030	Spa	12	30'	1	4 lbs.
LSCUS22050	Spa	12	50'	1	6 lbs.
LSCUS22100*	Spa	12	100'	1	11 lbs.
LSCUS22150*	Spa	12	150'	1	16 lbs.

NOTE: *For cord lengths of 100 ft. or greater, use a 14V transformer output to ensure optimal performance.

View pool transformations at hayward.com/colorlogic

Universal ColorLogic LED lights retrofit in virtually any existing pool or spa – transform you backyard with vibrant color.

Pool owners can choose from 10 solid colors and 7 dynamic, color-changing light shows to set the perfect theme for any occasion. Plus, when integrated with Hayward Omni® Automation Systems, Universal ColorLogic offers additional colors and advanced features such as enhanced navigation, dimming, and speed control. Discover how Hayward's brilliant pool and spa lighting can transform any backyard environment into an oasis of color.

Applications

- Residential in-ground pool or spa

Features

- LED pool light UL Listed for safe installation in virtually any manufacturer's niche
- Industry-leader in Color
- Directional Optics for Glare Reduction
- Detachable Cord for ease of service
- Adjustable Lower Catch to overcome variations in plaster depth
- Easily adjust to angled niches using the rotatable mounting flange
- Stainless Steel trim options
- All plastic construction with no gaskets increases reliability

For replacement parts see pages 312–315.

Universal CrystaLogic®

12V LED WHITE POOL AND SPA LIGHTS

Universal CrystaLogic White LED Pool and Spa Lights deliver bright, longer-lasting LED lighting for residential or commercial pools and spas. Universal CrystaLogic White LED Lighting represents a breakthrough technology for the illumination of any water feature or body of water. The optimized LED and optic design delivers both extraordinary lumen per watt energy efficiency and associated long lifetime cost. Our 500W equivalent LED Light is the only white LED light to deliver lumens equal to that of a 500W incandescent light. Our 300W pool equivalent delivers the same lumens as the leading competitor's claimed 500W equivalent and offers savings of 86% vs. incandescent equivalents.

Applications

- Residential or commercial, in-ground, pool or spa

Features

- LED pool light UL listed for safe installation in virtually any manufacturer's niche
- Industry leader in color
- Directional optics for glare reduction
- Detachable cord for ease of service
- Adjustable lower catch to overcome variations in plaster depth
- Easily adjust to angled niches using the rotatable mounting flange
- Stainless steel trim options
- All plastic construction with no gaskets increases reliability



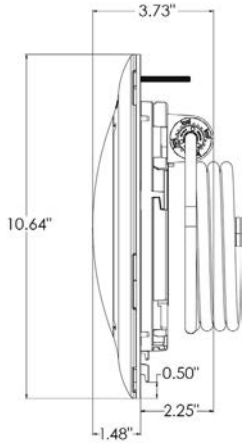
Universal CrystaLogic Pool and Spa LED Lights

Universal CrystaLogic White LED Buying Guide

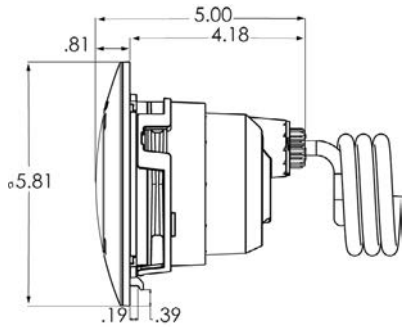
Model Number	Wattage Equivalent/Lumens	Pool or Spa	Voltage	Cord Length	Ctn. Qty.	Shipping Weight
LSLUS221030	100W/1100	Spa	12	30'	1	4 lbs.
LSLUS221050	100W/1100	Spa	12	50'	1	6 lbs.
LSLUS221100	100W/1100	Spa	12	100'	1	11 lbs.
LSLUS221150	100W/1100	Spa	12	150'	1	16 lbs
LPLUS221030	300W/3300	Pool	12	30'	1	7 lbs.
LPLUS221050	300W/3300	Pool	12	50'	1	9 lbs.
LPLUS221100	300W/3300	Pool	12	100'	1	14 lbs.
LPLUS221150	300W/3300	Pool	12	150'	1	19 lbs.
LPWUS11030	500W/4900	Pool	12	30'	1	7 lbs.
LPWUS11050	500W/4900	Pool	12	50'	1	9 lbs.
LPWUS11100*	500W/4900	Pool	12	100'	1	14 lbs.
LPWUS11150*	500W/4900	Pool	12	150'	1	19 lbs
LPWUS11200*	500W/4900	Pool	12	200'	1s	33 lbs.

NOTE: *For cord lengths of 100ft or greater, use a 14V transformer output to ensure optimal performance.

Overall Dimensions



LED Pool Light



LED Spa Light

For replacement parts see pages 312–315.

CrystaLogic® Bulb

120V LED POOL LIGHTS

EXPERT LINE



CrystaLogic Bulb

Easily upgrade residential and commercial pools to LED lighting that is brighter, longer-lasting, and more energy-efficient. The CrystaLogic white LED Pool Bulb is UL listed for direct replacement of virtually any 300–500 watt incandescent bulb.

Applications

- Residential or commercial, in-ground pool replacement bulb

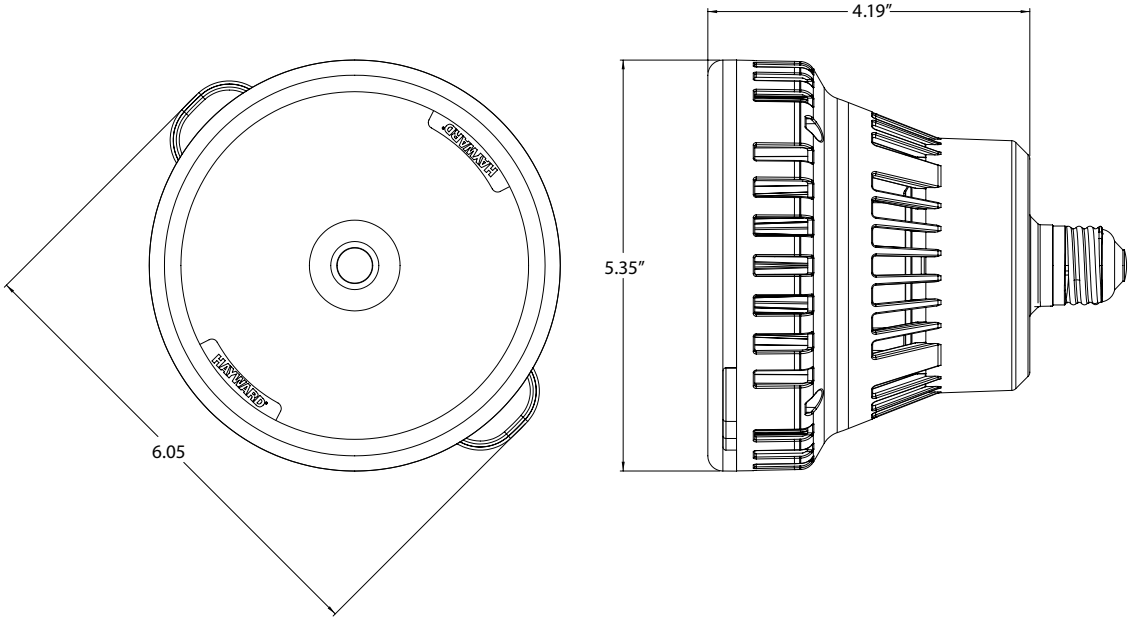
Features

- Longer-lasting, up to 10X the life of a typical incandescent bulb
- Easily retrofits to Hayward AstroLite™ or DuraLite™ housings
- R40 LED Bulb replaces any 300–500W incandescent bulb for an easy, energy-efficient upgrade
- 4800 lumens of brightness
- UL Listed

CrystaLogic Bulb Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
BPWUS11120	CrystaLogic Bulb, 120V Equivalent Brightness, 500W Lumens, 4800	1	2 lbs.

Overall Dimensions



For replacement parts see pages 312–315.

ColorLogic® Bulb

120V LED POOL LIGHTS

The ColorLogic LED Replacement Pool Bulb is a quick, cost-effective way to upgrade a standard incandescent pool light to a vibrant, color-rich, energy-efficient LED. Simple installation that doesn't require costly rewiring or fixture replacements, and a UL-listing ensures seamless retrofitting into Hayward® AstroLite™, DuraLite™, or other 120V pool housings — making ColorLogic lights the best way to add vibrant color to any pool.

Applications

- Residential in-ground pool replacement bulb

Features

- Comes standard with 10 fixed colors and 7 color-changing light shows
- Can be paired with Hayward Omni® automation systems to unlock OmniDirect Mode™ for 10 additional colors, instant navigation to colors and shows, dimming and speed control
- 92% more energy efficient than incandescents
- Longer-lasting, 10X the life of a typical incandescent bulb
- Easily retrofits to Hayward AstroLite and Duralite housings or most 300–500W 120 incandescent pool fixtures
- R40 LED Bulb is an easy, energy-efficient upgrade
- UL-Listed

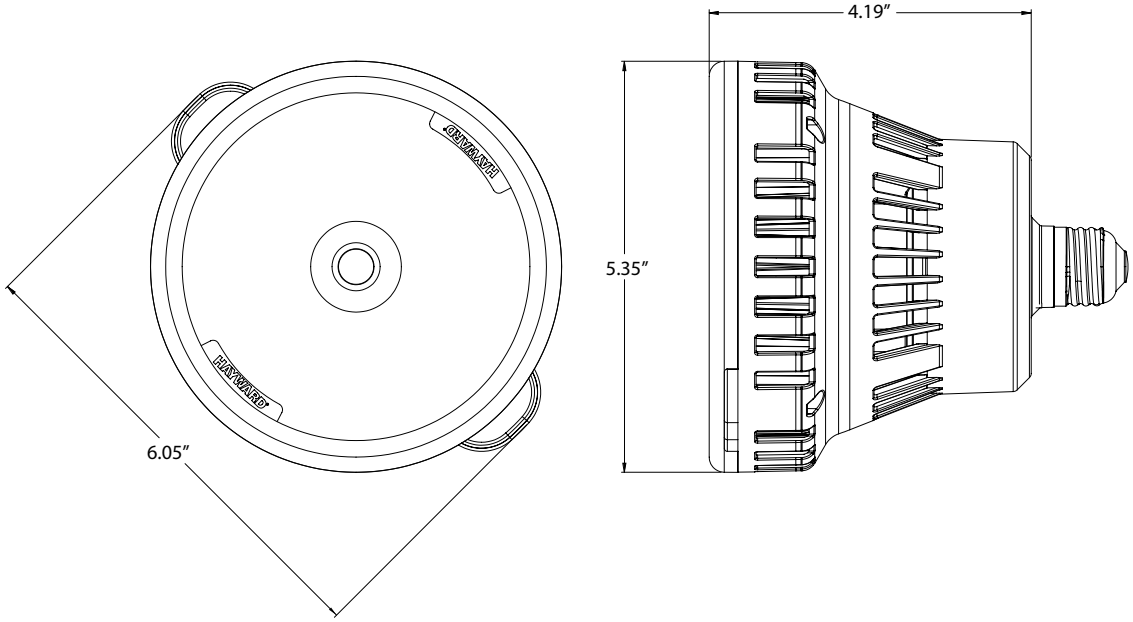


ColorLogic LED Pool Bulb

ColorLogic Bulb Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
BPCUS11120	ColorLogic Bulb, 120V	1	2 lbs.

Overall Dimensions



For replacement parts see pages 312–315.

ColorLogic® 320 & 160

12V LED POOL, SPA AND BACKYARD LIGHTS

EXPERT LINE



ColorLogic 320 & 160 1.5-inch LED Lights

ColorLogic 320 & 160 1.5-inch LED lights are ideal for uniform pool and spa lighting, or highlighting water features, baja shelves, steps, landscaping and more. Featuring ColorLogic's 10 fixed colors and 7 color-changing shows for total color coordination. Pair with Hayward automation for additional colors and advanced features such as enhanced navigation, dimming, and speed control. With ColorLogic, you can expect to offer a striking, expertly coordinated environment for all your customer's backyard occasions.

Applications

- Residential in-ground pool, spa or landscape lighting

Features

- 1.5-inch light installs at just 4 inches below the waterline and in as little as 9 inches of PVC Conduit
- Ideal for lighting steps, water features, baja shelves, bubblers and more
- Lasts 10 times longer than incandescent lights
- 10 fixed colors and 7 color-changing shows
- 10 additional colors, faster navigation, dimming and speed control with with OmniDirect Mode™ when paired with Hayward Omni® automation systems
- High lumen models are configurable to 2 brightness levels
- UL-listed for safe wall or floor installation

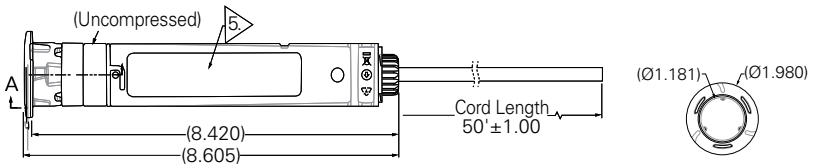
View pool transformations at hayward.com/colorlogic

ColorLogic 320 & 160 LED Lights Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
High Lumen ColorLogic 320 12V LED Lights			
LACUS11030	1.5-inch LED light, 30 ft. cord	1	4 lbs.
LACUS11050	1.5-inch LED light, 50 ft. cord	1	5.2 lbs.
LACUS11100	1.5-inch LED light, 100 ft. cord	1	8.2 lbs.
LACUS11150	1.5-inch LED light, 150 ft. cord	1	11.2 lbs.
Standard Lumen ColorLogic 160 12V LED Lights			
LYCUS11030	1.5-inch LED light, 30 ft. cord	1	4 lbs.
LYCUS11050	1.5-inch LED light, 50 ft. cord	1	5.2 lbs.
LYCUS11100	1.5-inch LED light, 100 ft. cord	1	8.2 lbs.
LYCUS11150	1.5-inch LED light, 150 ft. cord	1	11.2 lbs.

NOTE: See page 107 for accent light wall fittings

Overall Dimensions (inches)



For replacement parts see pages 312–315.

ColorLogic® 80

12V LED POOL, SPA AND BACKYARD LIGHTS

Hayward's ColorLogic 80 1/2-inch LED lights deliver rich, colorful detail. These discreet lights are designed to brighten hard-to-illuminate areas such as steps, decking, water features and more — allowing backyard creativity to shine. Easy to install in wet or dry environments, these versatile lights install in ½" PVC conduit and last 10 times longer than incandescent bulbs. Plus, ColorLogic 80 sync seamlessly with all lights in Hayward's low-voltage ColorLogic family for an expertly coordinated backyard oasis.

Applications

- Residential, in-ground pool, spa or landscape

Features

- Illuminate hard to reach areas, such as steps, water features, landscaping, decking, sun shelves, sheer cascades, waterfalls and more.
- Featuring ColorLogic's 10 fixed colors and 7 dynamic color-changing shows to match your mood.
- 10 additional colors, faster navigation, dimming and speed control with with OmniDirect Mode™ when paired with Hayward Omni® automation systems.
- Install in wet or dry environments in ½ inch PVC conduit and as little as 4 inches of water.
- 86% more efficient than typical incandescent bulbs.
- Available in two brightness levels.



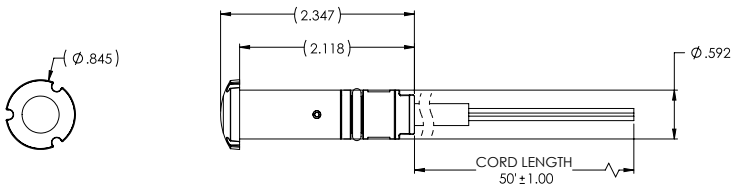
ColorLogic 80 1/2 inch LED Lights

ColorLogic 80 LED Color Lights Buying Guide

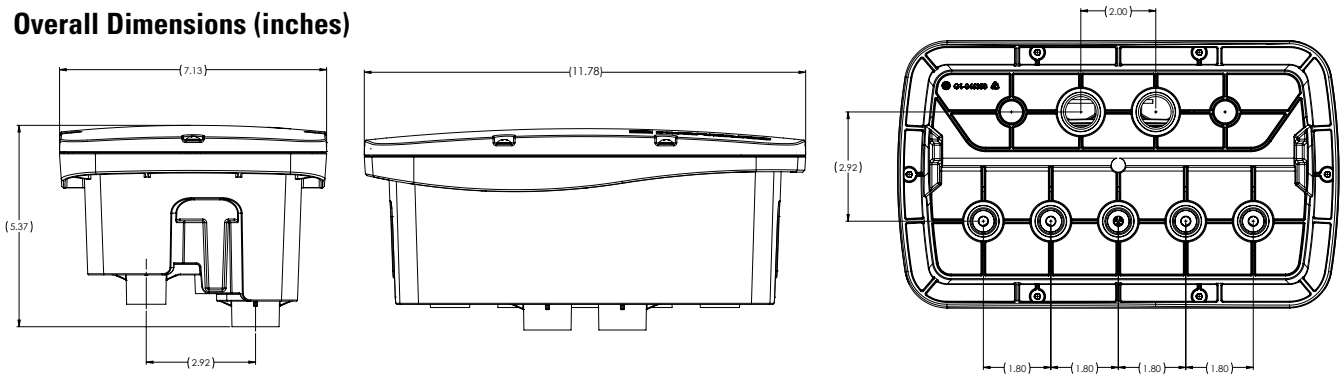
Model Number	Description	Cord Length	Ctn. Qty.	Shipping Weight
LMCUS11050*	ColorLogic 80 1/2-inch LED Light – High Lumen	50 ft.	1	2.75 lbs.
LMCUS11085 *	ColorLogic 80 1/2-inch LED Light – High Lumen	85 ft.	1	4.7 lbs.
LMCUSPS005	Junction Box LED Driver	—	1	3.1 lbs.
LMCUS11KIT	ColorLogic 80 Junction Box LED Driver Pack (3 ColorLogic 80 Lights 50 ft cord with 1 Junction Box LED Driver)	—	1	10 lbs.

NOTES: *Lights require LMCUSPS005 Junction Box LED Driver for operation, up to 5 lights per Driver.
See page 112 for accent light wall fittings

Overall Dimensions (inches)



Overall Dimensions (inches)



For replacement parts see pages 312–315.

CrystaLogic® 320 & 160

12V LED WHITE POOL, SPA AND BACKYARD LIGHTING

EXPERT LINE



CrystaLogic 320 and 160 White LED Light

CrystaLogic® 320 & 160 1.5-inch white LED lights are ideal for uniform pool and spa illumination, or highlighting water features, baja shelves, steps, landscaping and more with the industry's most vibrant lighting. Available in two brightness levels and able to be installed in wet or dry settings, these versatile lights can meet the needs of any backyard application.

Applications

- Residential, in-ground, pool, spa or landscape

Features

- 1.5-inch light installs at just 4 inches below the waterline and as little as 9 inches of PVC conduit
- Ideal for lighting steps, water features, baja shelves, bubblers and more
- Last 10 times longer than incandescent bulbs
- Available in two brightness levels:
  CrystaLogic 160 – Standard Output
  CrystaLogic 320 – High Output
- UL Listed for safe wall or floor installation

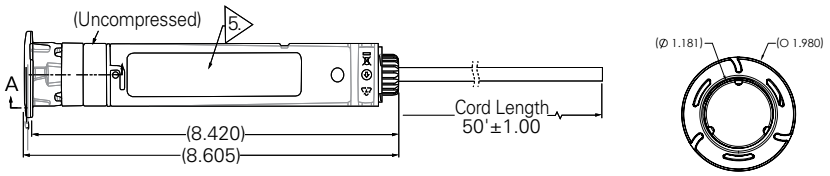
NOTE: High output models can be configured to multiple output modes: 100%, 60%, or Variable (20%, 40%, 60%, 80%,100%)

CrystaLogic 320 & 160 White LED Lights Buying Guide

Model Number	Wattage Equivalent/Lumens	Description	Cord Length	Ctn. Qty.	Shipping Weight
High Lumen ColorLogic 320 12V LED Lights					
LAWUS11030	100/1100	CrystaLogic 320	30	1	4 lbs.
LAWUS11050	100/1100	CrystaLogic 320	50	1	5.2 lbs.
LAWUS11100	100/1100	CrystaLogic 320	100	1	8.2 lbs.
LAWUS11150	100/1100	CrystaLogic 320	150	1	11.2 lbs.
Standard Lumen ColorLogic 160 12V LED Lights					
LYWUS11030	60/600	CrystaLogic 160	30	1	4 lbs.
LYWUS11050	60/600	CrystaLogic 160	50	1	5.2 lbs.
LYWUS11100	60/600	CrystaLogic 160	100	1	8.2 lbs.
LYWUS11150	60/600	CrystaLogic 160	150	1	11.2 lbs.

NOTE: See page 112 for accent light wall fittings

Overall Dimensions (inches)



For replacement parts see pages 312–315.

ColorLogic® Light Controller

LED POOL, SPA AND BACKYARD LIGHT WALL SWITCH

The ColorLogic Light Controller puts the power of colorful, customizable low-voltage ColorLogic LED lighting at your fingertips. Turn lights on or off with the push of a button, or set a countdown timer or schedule to do so automatically.

With the ColorLogic Light Controller's sleek, simple design, homeowners can instantly view and choose from 10 beautiful fixed colors and 7 color-changing light shows. When you select an option, the color or show displays in the preview window at the top of the controller so that you can see what it will look like, giving homeowners an additional level of control over their backyard ambiance.



ColorLogic Light Controller

Applications

- Control of pool, spa and backyard lighting
- Indoor or protected outdoor use

Features

- Retrofits easily into an existing light switch
- Innovative preview window that let's users view all ColorLogic colors and shows before choosing.
- Indicator LED lights illuminate to show the currently selected color or light show.
- Resync button allows you to easily resync lights in multiple-light installations.
- Schedule button allows you to input recurring light settings.
- UL Listed

This product ONLY WORKS WITH:

- Hayward Universal ColorLogic 12V LED Pool Light
- Hayward Universal ColorLogic 12V LED Spa Light
- Hayward ColorLogic 320, 160, 80, 40 12V LED Lights
- Hayward ColorLogic Bulb 120V LED

NOTE: This product requires a neutral connection with the wall junction box.

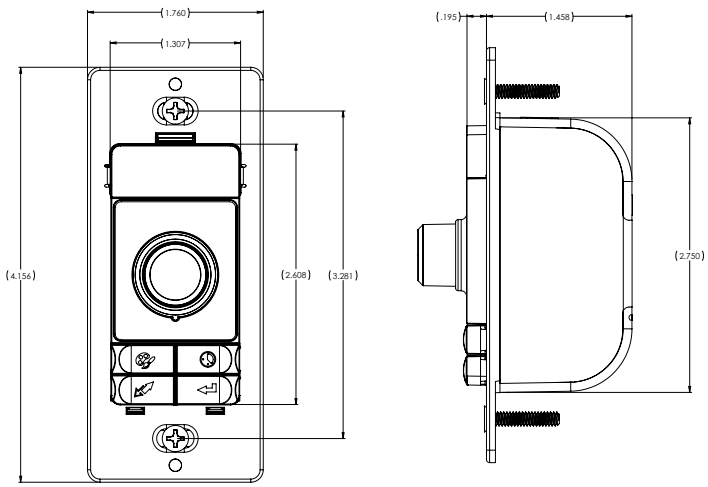
Gang box must be a minimum of 14 cubic inches/2.75 inches deep.

ColorLogic Light Controller Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
LKCUS1100	ColorLogic Light Controller	6	3.6 lbs.

Voltage	120V
Amps	3A
Total Allowable Watts	300

Overall Dimensions



For replacement parts see pages 312–315.

Junction Boxes & Transformers

POOL, SPA, AND BACKYARD LIGHTING

OPEN LINE



Hayward Junction Box Transformer and Junction Box

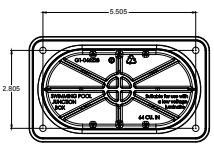
Installing lights during new pool or spa construction, or converting existing lighting to low voltage has never been easier with Hayward's full line of Junction Boxes, Transformers, and J-Box Retrofit Kits. Hayward offers Junction Box Retrofit Kits for popular J-Boxes on the market so you can easily convert 120V lighting systems to low-voltage. Plus, for new construction try Junction Box Transformer which has the ability to support one or two light configurations, making it a cost-effective solution for 12V lighting.

Junction Boxes & Transformers Buying Guide

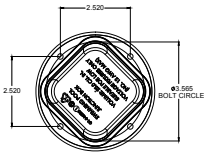
Model Number	Description	Watts	Ctn. Qty.	Shipping Weight
LJBUY00PP1	Hayward Junction Box Kits	—	1	2 lbs.
LTBUY11H70	Hayward Junction Box Transformer	70	1	4 lbs.
LTBUY11H14	Hayward Junction Box Transformer	140	1	8 lbs.
LTBUY11300	Hayward Wall-Mount Transformer	300	1	11.5 lbs.
LRBUY11H65*	Hayward Retrofit Kit	70	1	3 lbs.
LRBUY11P65	Pentair® Retrofit Kit	70	1	3 lbs.
LRBUY11T65	Thermocraft Retrofit Kit	70	1	3 lbs.

NOTE: *This kit is for Hayward Junction box models SP0680, SP0681

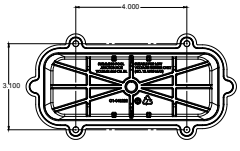
Overall Dimensions



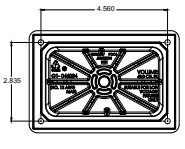
Cap, Hayward
Universal ColorLogic
LRBUY11H65



Cap, Thermocraft
Universal ColorLogic
LRBUY11T65



Cap, Hayward 2
Universal ColorLogic
LRBUY11H14, LRBUY11H70,
LRBUY11M13, LRBUY11M65,
LTBUY11H14, LTBUY11H14AS,
LTBUY11H70, LTBUY11H70AS



Cap, Pentair
Universal ColorLogic
LRBUY11P65

Pentair® is a trademark of Pentair Flow Services AG, and Thermocraft is a trademark of Consolidated Manufacturing International, LLC. Pentair Flow Services AG and Consolidated Manufacturing International, LLC are neither affiliated with Hayward Industries, Inc. nor endorse Hayward's junction boxes and transformers.

Hayward Junction Box

Every pool, spa and backyard light whether 120V or 12V has a Junction Box. The junction box makes it easier to wire a light to the power source by bringing the connection closer to the light itself.

- Comes with strain relief to support one light or two lights
- Adaptable to ¾" and 1" power entries
- Ideal for 120V lighting and low-voltage lighting
- UL Listed

Hayward Junction Box Transformer

Ideal for low-voltage, new construction lighting applications, Hayward's patented Junction Box Transformer design can support one or two lights from the same Junction Box, making it a cost-effective solution for 12V lighting.

- 70W Models support up to one full-size pool light
- 140W Models support up to two full-size pool lights
- Patented design, unique to Hayward
- Includes Snubber Capacitor arc suppressor
- UL Listed

Hayward Wall-Mount Transformer

Hayward's wall-mount transformer can be paired with Hayward's junction box for multi-light, new construction installations.

- Includes kit for direct connection to pool or spa lights
- Can be used with various combinations of Hayward lighting option
- Includes Snubber Capacitor arc suppressor
- UL Listed

Junction Box Retrofit Kits

Easily convert any existing 120V system to low-voltage using our Junction Box Retrofit Kits, available for the most popular Junction Boxes.

- UL Listed, LRBUY11M65 and LRBUY11M13 are CSA Listed

For replacement parts see pages 312–315.

Universal ColorLogic and Universal CrystaLogic Trim Rings

All Universal ColorLogic and Universal CrystaLogic LED lights ship with Smooth White and Silver Luster Starburst trim rings. Additional rings to match your pool and spa are also available: White Starburst, Black, Beige, Dark Gray, and Commercial White.

ColorLogic and CrystaLogic 320 &160 Trim Rings

All ColorLogic and CrystaLogic 320 & 160 LED lights ship with Light Gray, Dark Gray, and White trim rings. Each fitting kit includes a trim of the associated kit color. Additional bulkhead colors include: Black, Gray and White. Bulkheads are available for gunite, fiberglass, and vinyl applications.



Universal ColorLogic and CrystaLogic Trim Rings

ColorLogic and CrystaLogic Buying Guide

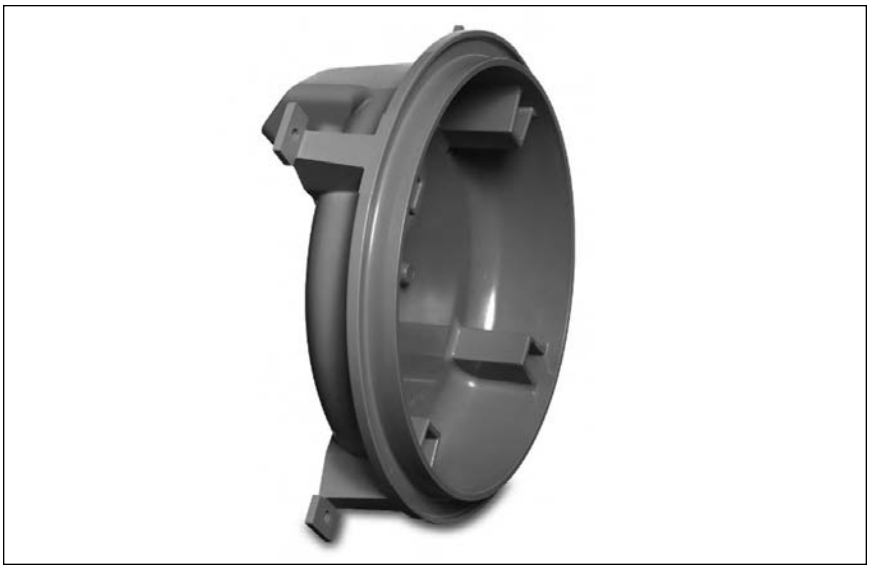
Model Number	Description	Ctn. Qty.	Ctn. Weight
Pool and Spa Trim Rings			
LNBUY1000	Pool Trim Ring, Black	10	4 lbs.
LNGUY1000	Pool Trim Ring, Dark Gray	10	4 lbs.
LNVUY1000	Pool Trim Ring, White Burst	10	4 lbs.
LQGUY1000	Spa Trim Ring, Dark Gray	5	1 lb.
LPXADAPT1	Pool Lower Catch Adapter Kit	10	1.5 lbs.
Accent Light Wall Fitting with Trim			
SP0536AF	Accent Light Wall Fitting, Gunite, White	20	5 lbs.
SP0536AFGR	Accent Light Wall Fitting, Gunite, Gray	20	5 lbs.
SP0536AFDGR	Accent Light Wall Fitting, Gunite, Dark Gray	20	5 lbs.
SP0536AFBLK	Accent Light Wall Fitting, Gunite, Black	20	5 lbs.
SP0536CTOOL	Replacement Accent Light Installation Tool	1	1 lb.
SP0537AF	Accent Light Wall Fitting, Fiberglass, White	20	5 lbs.
SP0537AFGR	Accent Light Wall Fitting, Fiberglass, Gray	20	5 lbs.
SP0537AFDGR	Accent Light Wall Fitting, Fiberglass, Dark Gray	20	5 lbs.
SP0537AFBLK	Accent Light Wall Fitting, Fiberglass, Black	20	5 lbs.
SP0538AF	Accent Light Wall Fitting, Vinyl, White	20	5 lbs.
SP0538AFGR	Accent Light Wall Fitting, Vinyl, Gray	20	5 lbs.
SP0538AFDGR	Accent Light Wall Fitting, Vinyl, Dark Gray	20	5 lbs.
SP0538AFBLK	Accent Light Wall Fitting, Vinyl, Black	20	5 lbs.
SP0536PR15	Accent Light Gunite Seal Ring, Gray	20	5 lbs.

For replacement parts see pages 312–315.

Universal ColorLogic® & Universal CrystaLogic®

FIXTURE HOUSING (NICHES)

OPEN LINE



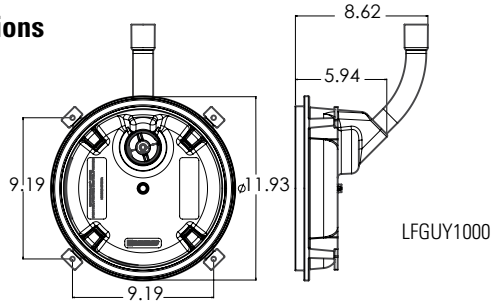
Fixture Housing Niche

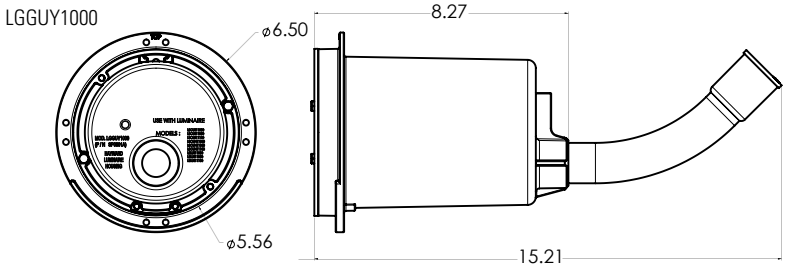
Fixture Housing Buying Guide

Model Number	Pool Type	Conduit Size	Conduit Outlet	Ctn. Qty.	Ctn. Weight
Pool					
LFGUY1000	Concrete	1" or ¾" SKT	Rotatable at 90°	1	4 lbs.
LFVUY1000	Vinyl/Fiberglass	1" or ¾" SKT	Rotatable at 90°	1	5 lbs.
LFVUYRINGDGR	Vinyl/Fiberglass Dark Gray Trim Kit		—	25	0.775 lbs.
Spa					
LGGUY1000	Concrete	1" or ¾" SKT	45°, rear	1	2 lbs.

Light Compatibility Guide	
Universal ColorLogic and CrystaLogic Pool	LPCUS, LPCUN, LPLUS and LPWUS lights
Universal ColorLogic and CrystaLogic Spa	LSCUS, LSCUN and LPLUS lights

Overall Dimensions (inches)





Universal ColorLogic and Universal CrystaLogic (UCL) Fixture Housing for new pool construction and renovations

UCL's niche differentiates itself from all other niches by providing incredible cost savings and low profile installation for new pool construction and simplicity for renovation projects.

Features – Common to all models

- All plastic lighting system eliminates the need for bonding and grounding.
- Injection-molded PVC fixture housing for corrosion-free performance
- Socket conduit connection designed for quick and simple gluing to PVC pipe. Provides a clean, reliable seal
- U.L. approved sweep elbow fitting, coupling and reducer included with UCL pool and spa niches
- All 1" outlets can quickly be converted to 3/4" with a U.L. approved reducing adapter (included)
- Internally-threaded connection for pressure testing of conduit line

Features – Pool Niche Concrete
(LFGUY1000)

- Slim design eliminates the need for a re-bar light cage or secondary dig to install.
- All plastic lighting system eliminates the need for bonding, grounding, GFCI and potting per the NEC code.
- Quick and easy no tool twist lock light installation
- Deep and large plaster ledge makes it easier to get a great bond using any plaster.
- Gunite and plaster cover protect the niche and mounting area during guniting and plastering
- Unique mounting flanges make it simple to secure the niche anywhere in the re-bar during installation.
- Unique installation design, allows for cord exit to be configured at any 90 degree increment
- Easy sealing with included compression cord seal kit

Features – Spa Niche Concrete
(LGGUY1000)

- All plastic lighting system eliminates the need for bonding, grounding, GFCI and potting per the NEC code.
- 3/4" set-back plaster flange with tie-off holes to secure to re-bar and assure positioning during guniting.
- Unique 90 degree ledge at the flange bottom prevents "slumping" during plastering.
- Gunite and plaster cover protect the niche and mounting threads during guniting and plastering
- This spa niche has extra space for easy coiling and storage of the additional cord.

For replacement parts see pages 312–315.

ColorLogic® 4.0

120V POOL AND SPA LIGHTS

ColorLogic 4.0 120 Volt, color LED pool and spa lights are a terrific step up from white incandescent lights. They can last 10 times longer and are energy-efficient — saving pool owners as much as 79% on their energy costs.

ColorLogic 4.0 delivers impactful nighttime ambiance with 5 fixed colors and 7 color-changing shows. When integrated with ProLogic® automation, pool owners will have access to 4 additional light shows for a total of 11, plus a full spectrum of 101 colors.

Low Voltage Solution

Are you looking for a 12 Volt solution? One that is UL-listed for safe installation into virtually any manufacture's niche. Check out Universal ColorLogic LED lighting on page 106.

Applications

- Residential in-ground pools and spas

Key Features

- 5 fixed colors and 7 color-changing light shows
- When networked with Hayward ProLogic Automation System, upgrade to 101 fixed colors and 11 color-changing shows – all adjustable for speed, motion and brightness.
- Speed adjustments allow light shows to be controlled with 9 different settings
- Brightness control sets the intensity of the lights from 20% to 100%
- Power line communication technology built into every light allows communication between single and groups of lights with no additional relays or wiring required
- All white light override feature for added safety
- No moving parts.

Special Note: Hayward does not recommend the installation of 120 Volt lights with cable length above 150'. For 120 Volt lights requiring longer than 150' cable, Hayward recommends using our Junction Box LJBUY00PP1 for 3/4" conduit or LJBUY00PP1 for 1" conduit, and a light with cable length needed from the lighting fixture to the Junction Box. Lights with cords up to 200' are UL listed.



ColorLogic 4.0 Pool Light with plastic faceplate



ColorLogic 4.0 Pool and Spa Lights with stainless faceplate

ColorLogic 4.0 LED Pool Light Buying Guide

Plastic Trim	Stainless Trim	Voltage	Cord Length	Ctn. Qty.	Ctn. Weight
Line Voltage					
SP0527LED30	SP0527SLED30	120 Volt	30 ft.	1	9 lbs.
SP0527LED50	SP0527SLED50	120 Volt	50 ft.	1	11 lbs.
SP0527LED100	SP0527SLED100	120 Volt	100 ft.	1	15.5 lbs.
SP0527LED150	SP0527SLED150	120 Volt	150 ft.	1	21 lbs.

ColorLogic 4.0 LED Spa Light Buying Guide

Plastic Trim	Stainless Trim	Voltage	Cord Length	Ctn. Qty.	Ctn. Weight
Line Voltage					
SP0535LED30	SP0535SLED30	120 Volt	30 ft.	1	8.5 lbs.
SP0535LED50	SP0535SLED50	120 Volt	50 ft.	1	10.5 lbs.
SP0535LED100	SP0535SLED100	120 Volt	100 ft.	1	15 lbs.
SP0535LED150	SP0535SLED150	120 Volt	150 ft.	1	14 lbs.

See Niche Chart on page 114

For replacement parts see pages 312–315.



AstroLite Pool Light with thermoplastic face



AstroLite Pool Light with stainless steel face

Available in a choice of attractive face rim models, from an injection-molded patterned design, made of rugged, non-corrosive glass-filled polypropylene; to a smooth, machine-polished stainless steel design, AstroLite Series light fixtures come standard in a wide range of voltages, wattages, and cord lengths to satisfy any installation.

Applications

- Residential in-ground pools

Features

- Patterned, thermoplastic or smooth, stainless steel face rim designs for corrosion-free performance
- E-Z Lock™ clamp and reflector assembly for simple relamping
- Blue lens for all models are available as accessories in Light Blue (SP0580LLB)
- 12 Volt, 100 and 300 Watt; 120 Volt, 300, 400 and 500 Watt models for any installation requirement
- 100% tested for safety and quality assurance
- UL Listed

AstroLite Series Lights Buying Guide

Thermoplastic Trim	Stainless Trim	Voltage	Wattage	Cord Length	Ctn. Qty.	Ctn. Weight
Low Voltage						
SP058015	—	12 Volt	100 Watt	15 ft.	1	7 lbs.
SP058030	—	12 Volt	100 Watt	30 ft.	1	8 lbs.
SP058050	SP0580S50	12 Volt	100 Watt	50 ft.	1	10 lbs.
—	SP0580S100*	12 Volt	100 Watt	100 ft.	1	14 lbs.
—	SP0581S15	12 Volt	300 Watt	15 ft.	1	8 lbs.
SP058150	SP0581S50	12 Volt	300 Watt	50 ft.	1	12 lbs.
SP0581100*	SP0581S100*	12 Volt	300 Watt	100 ft.	1	16 lbs.
Line Voltage						
SP0582L50	SP0582SL50	120 Volt	300 Watt	50 ft.	1	10 lbs.
—	SP0582SL100	120 Volt	300 Watt	100 ft.	1	14 lbs.
—	SP0584SL50	120 Volt	400 Watt	50 ft.	1	10 lbs.
—	SP0584SL100	120 Volt	400 Watt	100 ft.	1	14 lbs.
SP0583L15	—	120 Volt	500 Watt	15 ft.	1	7 lbs.
SP0583L30	SP0583SL30	120 Volt	500 Watt	30 ft.	1	8 lbs.
SP0583L50	SP0583SL50	120 Volt	500 Watt	50 ft.	1	10 lbs.
SP0583L100	SP0583SL100	120 Volt	500 Watt	100 ft.	1	14 lbs.
—	SP0583SLB100	120 Volt	500 Watt	100 ft.	1	14 lbs.

NOTES: Models with suffix "L" are equipped with Automatic Thermal Switch (ATS). Models with suffix "B" indicate blue lens.

NOTE: AstroLite Series light fixtures mount in the following fixture housings (niches) only:	
SP0600U/SP0600 DuraNiche	Concrete
SP0607U/SP0607 DuraNiche	Vinyl/Fiberglass

NOTE: SP0600 and SP0607 Niches are no longer manufactured.

For replacement parts see pages 312–315.

AstroLite II Spa Light offers you quality, versatility and ease of use you would expect from Hayward, and does it all at a price that gives you the value you expect. AstroLite II series lights feature machine-polished stainless steel face rims, a choice of halogen lighting, and a wide range of voltages, wattages and cord lengths. Combined with Hayward's niches, they make an unparalleled value in lighting systems for all concrete or gunite spas, or for pools where a small diameter light is preferred.

Applications

- Residential in-ground spas

Features

- Snap-on white plastic faceplate included which fits over stainless steel faceplate
- Machine polished stainless steel face rim
- E-Z Lock™ clamp and reflector assembly for simple relamping
- When used with Hayward's plastic or new stainless steel niches, provides extra space for easy coiling and storage of the relamping cord length
- Blue and red colored lens kit included, offering even greater value
- 12 Volt, 75 Watt Halogen
- 120 Volt, 100 Watt Halogen or 250 Watt Halogen
- 100% tested for safety and quality assurance
- UL Listed

NOTE: AstroLite II Series light fixtures mount in the following fixture housing (niche) only:	
SP0601U/SP0601 DuraNiche™	Concrete
SP0608U Jiffy Niche™	Vinyl/Fiberglass

NOTE: SP0600 and SP0607 Niches are no longer manufactured.



SP0590HSL15 AstroLite II with SP0601 Concrete Niche

AstroLite II Series Lights Buying Guide

Model Number	Voltage	Wattage	Cord Length	Ctn. Qty.	Ctn. Weight
Low Voltage – Incandescent					
SP0590SL15	12 Volt	100 Watt	15 ft.	1	4 lbs.
SP0590SL30	12 Volt	100 Watt	30 ft.	1	5 lbs.
SP0590SL50	12 Volt	100 Watt	50 ft.	1	7 lbs.
SP0590SL100*	12 Volt	100 Watt	100 ft.	1	12 lbs.
Low Voltage – Halogen					
SP0590HSL15	12 Volt	75 Watt	15 ft.	1	4 lbs.
Line Voltage – Halogen					
SP0591HSL100	120 Volt	100 Watt	100 ft.	1	12 lbs.
SP0592HSL50	120 Volt	250 Watt	50 ft.	1	7 lbs.
SP0592HSL100	120 Volt	250 Watt	100 ft.	1	12 lbs.

NOTES: All AstroLite II models are equipped with an Automatic Thermal Switch (ATS).

***Special Note:** Hayward does not recommend the installation of these 12 Volt lights with cord lengths above 50' (voltage available to the light is diminished to a level that significantly reduces light output). Hayward does not recommend the installation of 120 Volt lights with cable lengths above 100'. For 12 Volt lights requiring longer than 50' cable or 120 Volt lights requiring cable longer than 100', Hayward recommends using our Junction Box LJBUY00PP1 for 3/4" or 1" conduit, and a light with cable length needed from the lighting fixture to the Junction Box. Lights with cords up to 200' are UL listed.

For replacement parts see pages 312–315.

Jiffy Niche™ & DuraNiche™

FIXTURE HOUSING LIGHTING NICHES

OPEN LINE



SP0600U DuraNiche for concrete pools (cover-up plate included – not shown)



SP0608U Jiffy Niche fixture housing and installation tool for Vinyl/Fiberglass spas

Jiffy Niche and DuraNiche fixture housings are injection-molded of PVC for superior performance, non-corrosive durability and plumbing versatility. DuraNiche comes in versions for concrete/gunite pools, vinyl/fiberglass pools, or for concrete/ gunite spas.

Features – Common to all models

- Injection-molded PVC fixture housing for corrosion-free performance
- UL approved sweep elbow fitting, coupling and reducer, included in SP0600U, SP0607U and SP0601U, meet the highest standard and provide the most convenient installation
- All SP0600U and SP0607U niches have a 45° 1" outlet, which can be adjusted for top or rear conduit connection using the 45° UL approved sweep elbow (included). The SP0601U niche has a 1" rear outlet, which can be adjusted to 45°
- UL approved 1" to 3/4" adapter (included)
- Internally-threaded connection for pressure testing of conduit line
- UL Listed
- Complies with NEC 2002 with over 9 square inches of bonding surface area

(SP0600U and SP0601U)

- 3/4" set-back plaster flange with tie-off holes to secure to re-bar and assure positioning during guniting
- Unique 90° ledge at the flange bottom prevents "slumping" during plastering
- The SP0601 small diameter niche has extra space for easy coiling and storage of the relamping cord

Features – Vinyl/Fiberglass

(SP0607U)

- Fits all standard punch designs, no tooling modifications are required
- Incorporates the dependability of Hayward's proven wall panel sealing method

(SP0608U)

- Screw on mounting nut design. No screws required to mount through pool wall.
- Standard 6" hole size

Jiffy & DuraNiche Niche Fixture Housings Buying Guide

Model Number	Pool Type	Conduit Size	Conduit Outlet	Ctn. Qty.	Ctn. Weight
SP0600U	Concrete	1" or ¾" SKT	45°, top or rear	1	6 lbs.
SP0607U*	Vinyl/Fiberglass	1" or ¾" SKT	45°, top or rear	1	7 lbs.

NOTE: *Available in Dark Gray. Add suffix DGR for Dark Gray

Model Number	Spa Type	Conduit Size	Conduit Outlet	Ctn. Qty.	Ctn. Weight
SP0601U	Concrete	1" or ¾" SKT	45°, rear	1	6 lbs.
SP0608U*	Vinyl/Fiberglass	1" or ¾" SKT	45°, rear	1	4 lbs.

NOTE: *Available in Dark Gray. Add suffix DGR for Dark Gray

Hayward Pool Products Light to Niche Matrix

			NICHES	LFGUY1000	LGGUY1000	LFVUY1000	SP0600A & 600U	SP0601A & 601U	SP0607U	SP0608U
			SPECS	2.75" deep						6" round
			Pool Type	C	C	V/FG	C	C	V	V/FG
LIGHTS	**SPECS**	**Pool Type**	**Material**	**Plastic**	**Plastic**	**Plastic**	**Plastic**	**Plastic**	**Plastic**	**Plastic**
LPCxx/LPLxx, LPWxxx	Universal ColorLogic/CrystaLogic Pool	All		X		X	X		X	
LSCxx/LSLxx	Universal ColorLogic/CrystaLogic Pool	All			X			X		X
SP0520	ColorLogic 2.5/4.0 Pool	C					X		X	
SP0530	ColorLogic 2.5/4.0 Spa	All						X		X
SP570N	Replacements 10" mounting diameter	All					*			
SP0580's	Standard 9.375" mounting diameter	All							X	
SP0590's	Spa (small) light	All						X		X

NOTES: *New 120V lights are only UL listed when installed with a Hayward niche. SP0570 Series lights are direct replacements for older SP0540 and SP0560 Series lights.

As of 2004, niches 600 will not accept 570 lights because there is no place for the lower shoulder screw. If a new niche is needed, replace niche and light fixture using the 580 Series lights.

For replacement parts see pages 312–315.

The Ultimate Theme Setter

Unlock your lighting with four (4) zones of control from one transformer. Change color between the pool, spa or water features without requiring additional HV relays or transformers.

Features

- Easily alternate the colors for up to four (4) zones of lighting from this one transformer
- Supports up to 75W per zone
- Controllable with Omni® automation systems*
- OmniDirect Mode™ compatible for additional lighting shows and colors, dimming control and more
- No high voltage relay is required
- UL Listed

Setup

- SmartPower will connect to the same 4-pin low speed communication bus as other Hayward Smart devices.
- MSP Firmware version: R4.4.0 or newer



SmartPower

SmartPower Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
LTSUY11300*	300W Wall Mount Transformer with 4 relays	1	12.5 lbs.

NOTE: *This SKU is for use with Hayward Omni Automation only

Overall Dimensions (inches)



UNWIND BETTER.

Nothing enhances your backyard quite like a stunning visual centerpiece. Hayward's elegant collection of LED WaterBowls and LED Sheers offer a range of sights, sounds and sensations to create the perfect ambiance for any occasion—and with effortless integration with Omni® automation, setting the mood only takes a few taps.





LED WATERBOWL

for a soothing spillover from a decorative vessel

» 7 tempered glass or metallic composite finishes
» Square/round base shapes available
» Interior lights resemble soft, flickering flame
» Compatible with Omni® automation systems*

LED SHEER

for a glossy waterfall along wall surfaces

» Available in lengths from 1' to 8'
» Unique top-access light eliminates light loss
» For straight, curved or custom walls
» Compatible with Omni automation systems*

WATERBOWL FINISH OPTIONS: Tempered Glass, Brass, Copper, Bronze, Gray, Pewter, Natural

LED WaterBowls

RESIN AND GLASS WATERBOWLS



Resin & Glass WaterBowls

WaterBowls Buying Guide

Model Number	Finish	Shape	Ctn. Qty	Ctn. Weight
WaterBowls Only				
WFBRNDBRS	Brass	Round	1	65 lbs.
WFBSQRBRS	Brass	Square	1	65 lbs.
WFBRNDBRNZ	Bronze	Round	1	65 lbs.
WFBSQRBRNZ	Bronze	Square	1	65 lbs.
WFBRNDCPR	Copper	Round	1	65 lbs.
WFBSQRCPR	Copper	Square	1	65 lbs.
WFBRNDGRY	Gray	Round	1	65 lbs.
WFBSQRGRY	Gray	Square	1	65 lbs.
WFBRNDNAT	Natural	Round	1	65 lbs.
WFBSQRNAT	Natural	Square	1	65 lbs.
WFBRNDPEW	Pewter	Round	1	65 lbs.
WFBSQRPEW	Pewter	Square	1	65 lbs.
WFBRNDCLR	Glass	Round	1	65 lbs.
WFBSQRCLR	Glass	Square	1	65 lbs.

Model Number	Description	Ctn. Qty	Weight
LED Light with Niche			
LBCUS11100	Waterbowl 100' Led Light with Niche	1	10 lbs.
LBCUS11150	Waterbowl 150' Led Light with Niche	1	15 lbs.
Spares			
GLXWBNICHE	Bowl Niche Replacement Kit	1	5 lbs.
GLXWBGSK	Bowl Gasket Replacement Kit	1	1 lb.
GLXWBBKHD	Bowl Bulkhead and Nut Replacement Kit	1	5 lbs.
GLXWFBSCUPSQR	SCUPPER – for Square Bowl Kit (S/S)	1	1 lb.
GLXWFBSCUPRND	SCUPPER – for Round Bowl Kit (S/S)	1	1 lb.
GLXWFBSPTCLR	Bowl Water Spout Replacement Kit 'Clear'	1	1 lb.
GLXWFBSPACE	Lower Spacer 1/2' for 'Glass' Bowl Kit	1	1 lb.
GLXWBCLRGSK	Bowl Gasket Replacement Kit 'Clear'	1	1 lb.
GLXWBBKCLRHD	Bowl Bulkhead and Nut Replacement Kit 'Clear'	1	5 lbs.

No Pool is Complete without a Stunning Statement Piece.

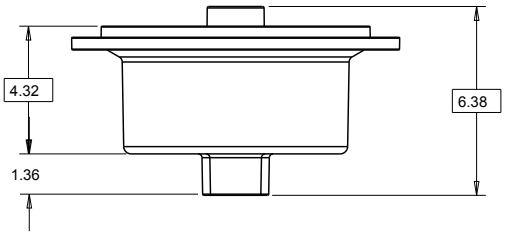
LED WaterBowls from Hayward make an elegant addition to any new build or renovation, helping totransform the space with a stunning architectural focal point. Built with soothing LED lighting that integrates seamlessly with Omni® automation and transitions effortlessly from day tonight, WaterBowls are the perfect way for pool owners to add a personal touch to the backyard with unprecedented convenience.

Features

- Light offers 10 fixed colors and 7 color-changing light shows
- OmniDirect Mode™ compatible for additional lighting shows and colors, dimming control and more
- Square or round base shapes available
- Available in tempered glass or 7 different metallic composite finishes
- Sculpted from durable, UV-resistant material

Flow Rate	
GPM Range	**Outcome**
< 10	Not enough water flow
10-24 gpm	Acceptable range
15-20 gpm	"Ideal" range
≥ 25 gpm	Bowl will overflow

Overall Dimensions of Niche (inches)



Enhance any Pool's Ambiance with Dramatic Sights and Sounds.

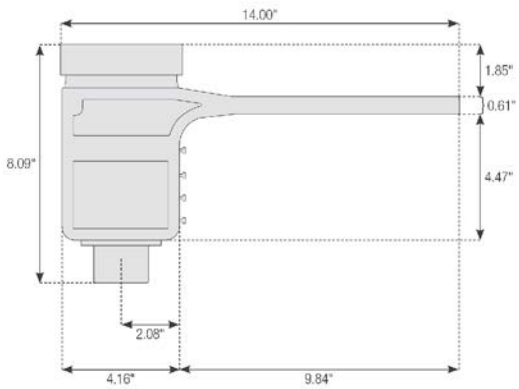
Hayward LED Sheers help transform any new build or renovation pool into a sophisticated aquatic escape, allowing pool owners to integrate mesmerizing water effects in a variety of colors, shapes and designs made to complement any backyard aesthetic.

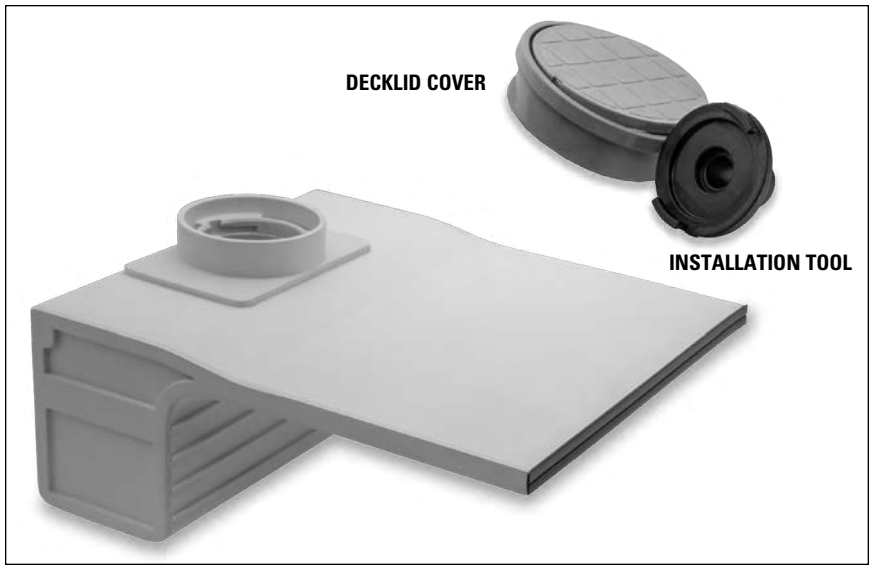
Features

- Controllable with Omni® automation systems*
- Industry-first top-access light eliminates light loss, regardless of length
- Available in lengths from 1' to 8'
- Variable projection distances based on flow rate
- For straight, curved or custom wall surfaces

Recommended Plumbing Size	
Waterfall Length	**Supply Pipe Size**
Less than 18 in.	1 1/2 in.
18 in.–4 ft.	2 in.
Greater than 4 ft.	3 in.

Overall Dimensions (inches)





LED WaterFall

LED WaterFall Buying Guide

Model Number	Description	Length	Ctn. Weight
WaterFall Only (for use with LED Light)			
WFS512B6LED	Bottom Feed Only	1'	10 lbs.
WFS518B6LED	Bottom Feed Only	18"	17 lbs.
WFS524B6LED	Bottom Feed Only	2'	13.5 lbs.
WFS536B6LED	Bottom Feed Only	3'	25 lbs.
WFS548B6LED	Bottom Feed Only	4'	35 lbs.
WFS560B6LED	Bottom Feed Only	5'	40 lbs.
WFS572B6LED	Bottom Feed Only	6'	55 lbs.
WFS584B6LED	Bottom Feed Only	7'	62 lbs.
WFS596B6LED	Bottom Feed Only	8'	70 lbs.
LED Light*			
LFCUS11100	Waterfall 100' LED Light		10 lbs.
LFCUS11150	Waterfall 150' LED Light		13.5 lbs.
NOTE: *Use one (1) light per every 3 ft of length.			
Spares			
GLXWFSORGKIT	Top and Bottom O-Rings Kit (3 each)		1 lb.
GLXWFSKTTOOL	Engine Inst. Tool and Ext. Tool Kit		1 lb.
GLXWFSTANLID	Deck Lid and Collar Kit (Tan)		1.25 lbs.
GLXWFSWHTELID	Deck Lid and Collar Kit (White)		1.25 lbs.
GLXWFSGRYLID	Deck Lid and Collar Kit (Gray)		1.25 lbs.
GLXWFSDKGRYLID	Deck Lid and Collar Kit (Dark Gray)		1.25 lbs.
GLXWFSBLKLID	Deck Lid and Collar Kit (Black)		1.25 lbs.

ColorLogic® Bubbler

ILLUMINATED WATER FEATURE

EXPERT LINE



ColorLogic Bubbler

The ColorLogic® Bubbler creates a cascading column of water that when matched with Hayward's ColorLogic Lighting creates the ultimate in backyard ambiance.

The ColorLogic Bubbler is easy to customize with the ability to change outer ring colors. In addition, Hayward offers a wider variety of installation options up to 12" in water depth.

Applications

- Residential in-ground pools or spas

Features

- Illuminate the ColorLogic Bubbler utilizing ColorLogic or CrystaLogic® 320 and 160 lighting for a wide variety of options.
- Small footprint with interchangeable color trim options and a flush design for seamless integration to the pool surface.
- Multiple nozzles offer a wide variety of water heights and widths to match any pool environment
- With an installation range of 2"–12" below the water surface, the ColorLogic Bubbler plume height offers a wider variety of installation options.

For Installers

Two part design incorporates plaster ring for ability to adjust angle or height to match surface of pool.

Plume Height at given water depths

- Do not exceed 45 gpm

3/4" Nozzle Orifice					
Depth	4"	6"	8"	10"	12"
15 gpm	11	8	5	4.5	3.5
20 gpm	15	10	7	6	5
25 gpm	24	16	11	9	8
30 gpm	35	21	17	12	10.5
35 gpm	45	30	20.5	15	13
40 gpm	—	37.5	27	20	15

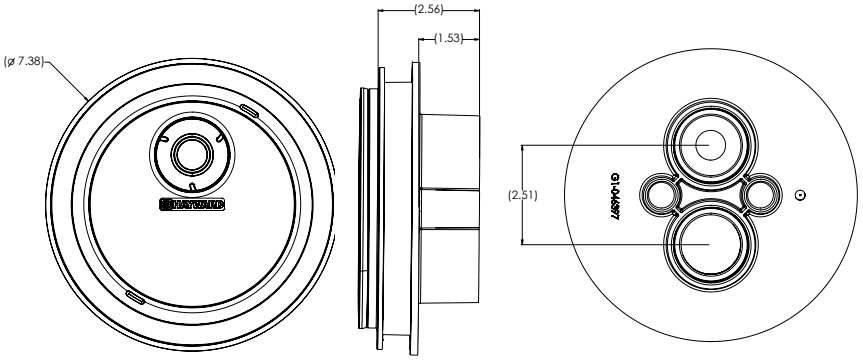
1/2" Nozzle Orifice					
Depth	4"	6"	8"	10"	12"
10 gpm	31	16	—	—	—
15 gpm	48	26	15.5	12	10
20 gpm	75	43	25	19	15

ColorLogic Bubbler Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
WFB100	ColorLogic Bubbler	1	9 lbs.
Optional Accessories			
GLXBKTGR	Color Kit, Gray	1	5 lbs.
GLXBKTDG	Color Kit, Dark Gray	1	5 lbs.
GLXBKTWT	Color Kit, White	1	5 lbs.
GLXBLNGR	Lens Kit, Gray	1	7 lbs.
GLXBLNDG	Lens Kit, Dark Gray	1	7 lbs.
GLXBLNWT	Lens Kit, White	1	7 lbs.
GLXBTOOL	Bubbler Replacement Tool	1	5 lbs.

NOTE: Color Kit Includes: Colored Trim Ring with Matching Nozzles and Plaster/Winterization Shield with Tool
Lens Kit Includes: Colored Trim Ring with Matching Nozzles and Replacement Lens

Overall Dimensions



ColorLogic® Laminar

LAMINAR

The ColorLogic Laminar creates a glass-like rod of arcing water from the deck to the pool. When matched with Hayward's Colorlogic lighting these streams are illuminated for dramatic backyard ambiance.

Applications

- Residential in-ground pools or spas

Features

- Illuminate the ColorLogic Laminar utilizing ColorLogic or CrystaLogic® 320 and 160 lighting for a wide variety of options.
- Features multiple cover color options with the industry's only height adjustment mechanism for perfect deck alignment even after settling occurs.
- The simple integrated flow adjustment can eliminate the need for dedicated valves for each laminar while also allowing complete control of the height and distance of your water stream without the need for tools.
- Elevate the visual and acoustic appeal of your pool surroundings with a simple addition to your pool.

Recommended Plumbing Size*			
1	Number of Jets in System	1–3	4–6
2	Main Feed Pipe Size (inches)	2	2 1/2
3	Flow Loop Min. Pipe Size (inches)	1 1/2	2
4	Individual Deck Jet Feed (inches)	1	1

** See plumbing layout for example flow loop.*

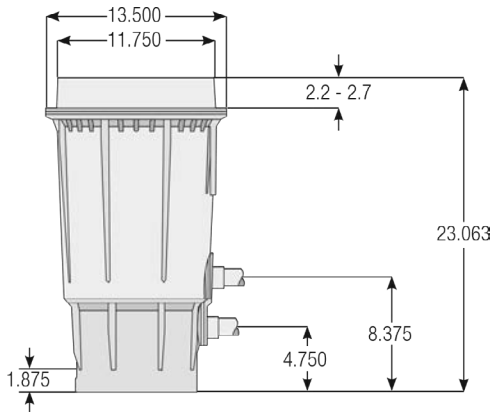


ColorLogic Laminar

ColorLogic Laminar Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
WFL100	Colorlogic Laminar	1	25 lbs.
Optional Accessories			
GLXWFLLIDGRY	Gray Lid, Deck Niche	1	7 lbs.
GLXWFLLIDDKGRY	Dark Gray Lid, Deck Niche	1	7 lbs.
GLXWFLHOSE	Water Inlet Assembly	1	2.3 lbs.
GLXWFLTUBE	Tubing Assembly	1	.01 lb.
GLXWFLDISRPT	Disruptor Assembly	1	.001 lb.
GLXWFLGASKET	Laminar Gasket Kit	1	1 lb.
GLXWFLJET	Laminar Jet	1	5.8 lbs.
GLXWFLOPTIC	Optic BSP, Laminar	1	5 lbs.
GLXWFLSCRNPK5	Screen *(5 Pack)*	1	2 lbs.
GLXWFLTSPLT	Plate, Top Seal, Laminar	1	5 lbs.
GLXWFLVLVADPT	Valve Adapter Kit	1	3 lbs.

Overall Dimensions (inches)



Deck Jet 500 & Sheer 500

DECK JETS AND SHEERS

EXPERT LINE



Deck Jet 500



Sheer 500

With simple customization and installation, Hayward water features are an effortless way to elevate any backyard environment.

All Hayward water features are designed to connect quickly and easily, reducing installation headaches and costs.

Features

Deck Jet 500

- Best in class nozzle with adjustable direction and flow—no tools required
- Industry's only height adjustment mechanism ensures perfect deck alignment even after settling
- Premium bronze colored cover
- Includes plug for pressure test and winterization

Sheer 500

- Accommodate a wide range of installation requirements (1 ft.–5 ft. lengths)
- Clear lips (available in 1" and 6" models) blend into pool surroundings and accommodate straight and curved wall applications
- Rear or bottom connection options make installation quick and simple
- 1.5" x 2" connections are compatible with larger plumbing for maximum water flow

Deck Jet 500 Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
WFJ500PAK4	Deck Jet 500 (4 Pack)	4	4 lbs.
Spares			
WFXJ500CPAK4	Replacement Cover (4 Pack)	50	1 lb.
WFXJ500KIT	Internal Kit (nozzle, retainer kit, and winterizing ball)	50	1 lb.

Sheer 500 Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
Rear Mount			
WFS512R6	Sheer, 1 ft. width, 6" lip	1	7 lbs.
WFS512R1	Sheer, 1 ft. width, 1" lip	1	5 lbs.
WFS524R6	Sheer, 2 ft. width, 6" lip	1	8 lbs.
WFS524R1	Sheer, 2 ft. width, 1" lip	1	8 lbs.
WFS536R6	Sheer, 3 ft. width, 6" lip	1	16 lbs.
WFS536R1	Sheer, 3 ft. width, 1" lip	1	11 lbs.
WFS548R6	Sheer, 4 ft. width, 6" lip	1	21 lbs.
WFS548R1	Sheer, 4 ft. width, 1" lip	1	14 lbs.
WFS560R6	Sheer, 5 ft. width, 6" lip	1	26 lbs.
WFS560R1	Sheer, 5 ft. width, 1" lip	1	18 lbs.
Bottom Mount			
WFS512B1	Sheer, 1 ft. width, 1" lip	1	5 lbs.
WFS524B6	Sheer, 2 ft. width, 6" lip	1	11 lbs.
WFS524B1	Sheer, 2 ft. width, 1" lip	1	8 lbs.
WFS536B1	Sheer, 3 ft. width, 1" lip	1	11 lbs.

Recommended Plumbing Size*			
1	Number of Jets in System	1–5	6–10
2	Main Feed Pipe Size (inches)	1 1/2	2
3	Flow Loop Pipe (inches)	1	1 1/2
4	Individual Deck Jet Feed (inches)	3/4	3/4

** See plumbing layout for example flow loop.*

Suction Outlets

ROUND SUMPS, COVERS, FRAMES AND ACCESSORIES

For concrete, vinyl and fiberglass pools, Hayward round suction outlets are available in a wide range of plumbing configurations, plaster collar options and colors. Whether installing frames and covers or sump-type outlets for new construction or replacement covers on existing applications, Hayward suction outlets set the standard for quality and value.

All Hayward WG Series suction outlet fitting assemblies and replacement covers have been tested to ANSI/APSP/ICC-16 2017, are VGB compliant and meet CPSP requirements.

Applications

- Residential and commercial pools
- Concrete, vinyl and fiberglass surfaces
- New construction and replacement covers
- All Hayward drain covers can be used as a single replacement cover when installed on the same suction line as a TriStar VS SVRS
  (see page 8 for more information on a TriStar VS SVRS)

Features

- Sumps accommodate the use of SP1056 hydrostatic relief valve
- Replacement covers retrofit to existing Hayward frames
- 7 year life
- 1 year limited warranty

Port Size	Port Location and Sump Location	Approved Flow GPM
Round Covers		
2"	Side Port, Floor-Mounted	116
2"	Bottom Port, Floor-Mounted	123
2"	Side Port, Wall-Mounted	66
2"	Bottom Port, Wall-Mounted	59
1 1/2"	Side Port, Floor- Mounted	107
1 1/2"	Side Port, Wall-Mounted	72
1 1/2"	Bottom Port, Floor-Mounted	122
1 1/2"	Bottom Port, Wall-Mounted	64



WG1154S



WG1049AV

Suction Outlet Buying Guide

Model Number	Size	Cover Open Area Sq. Inch	Side Outlet Pipe Size	Bottom Outlet Pipe Size	Ctn. Qty.	Shipping Weight
Concrete						
Cover and frame (2 pack)						
WG1030AVPAK2*	8" dia.	8.10	—	—	24	46 lbs.
Replacement cover for floor or wall						
WGX1048E*	8" dia.	8.10	—	—	10	5 lbs.
Outlet-dual suction (2 pack)						
WG1051AVPAK2	8" dia.	8.10	1 ½" FIP	1 ½" FIP	6	35 lbs.
WG1052AVPAK2	8" dia.	8.10	2" FIP	1 ½" FIP	6	35 lbs.
WG1053AVPAK2	8" dia.	8.10	1 ½" FIP	2" FIP	6	35 lbs.
WG1054AVPAK2	8" dia.	8.10	2" FIP	2" FIP	6	35 lbs.
Outlet-dual suction with adjustable plaster collar (2 pack)						
WG1153AVPAK2	8" dia.	8.10	1 ½" FIP	2" FIP	6	35 lbs.
WG1154AVPAK2	8" dia.	8.10	2" FIP	2" FIP	6	35 lbs.
WG1154SPAK2*	8" dia.	8.10	2" SKT	2" FIP	6	35 lbs.
(Vinyl/Fiberglass)						
WG1048AVPAK2**	8" dia.	8.10	1 ½" FIP	1 ½" FIP	6	37 lbs.
WG1049AVPAK2**	8" dia.	8.10	2" FIP	1 ½" FIP	6	37 lbs.

NOTES: *Available in Gray, Dark Gray and Black. Add letters GR for Gray, DGR for Dark Gray and BLK for Black after "AV", "E" or "S" in the model number.
**Also available in Dark Gray. Add letters DGR for Dark Gray after the AV in the model number.

Model Number	Description	Ctn. Qty.	Shipping Weight
Accessories			
WG1051X	Adjustable plaster collar (1") for concrete	10	4 lbs.
WGX1153B*	Extension collar with inserts	10	5 lbs.
SP1055PAK2	2" or 1 ½" MIP Slotted Collector Tube – Black *(Set of 2)*	10	7 lbs.
SP1056	2" or 1 ½" MIP Hydrostatic Relief Valve	25	5 lbs.
SP1056T	Installation and removal tool for SP1056	20	36 lbs.

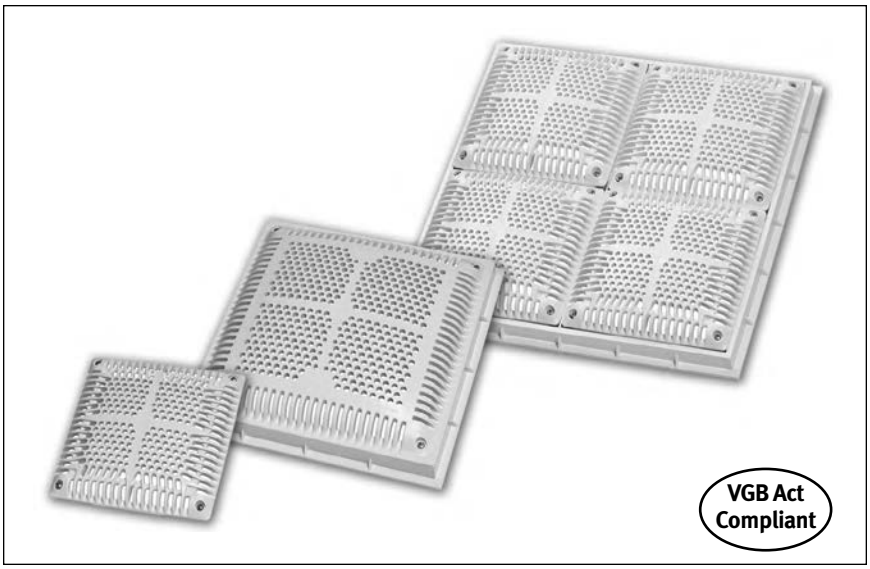
NOTE: *Available in Gray, Dark Gray and Black. Add letters GR for Gray, DGR for Dark Gray and BLK for Black.

For replacement parts see page 316.

Suction Outlets

SQUARE DRAIN COVERS AND FRAMES

OPEN LINE



9", 12" and 18" Drain Covers and Frames

For residential and commercial concrete pools, Hayward square drain covers are available in a wide range of sizes and flow designs to satisfy any installation requirement. Whether the application demands frames and covers for new construction or replacement cover assemblies for existing installations, Hayward suction outlets set the standard for quality and value.

Hayward's High Flow covers have some of the industry's highest approved flow rates. Each size and flow design cover retrofit to existing Hayward frames and are designed for an extensive 7 year life span.

All Hayward WG Series suction outlet fitting assemblies and replacement covers have been tested to ANSI/APSP/ICC-16 2017, are VGB compliant and meet CPSP requirements.

Installation of anything other than the recommended Hayward drain cover on a Hayward frame or Hayward sump may not be ANSI/APSP/ICC-16 2017 compliant. Likewise, the installation of a Hayward drain cover on a non-Hayward frame may not be compliant.

High Flow Drain Covers & Frames Buying Guide

Model Number (size)	Pipe Size	Mounting Position	Sump Port Location	Approved Flow GPM
WGX1031BHF2 and	2.5"	Floor	Side	172
WG1031HF2PAK2 (9" x 9")	2.5"	Wall	Side	184
	2.5"	Wall	Bottom	224
	3"	Floor	Side	264
	3"	Wall	Side	224
	3"	Wall	Bottom	224
WGX1032BHF2 and	3"	Floor	Side	416
WG1032HF2PAK2 (12" x 12")	3"	Wall	Bottom	308
	4"	Floor	Side	484
	4"	Wall	Bottom	308
WGX1033BHF2 and	3"	Floor	Side	484
WG1033HF2PAK2 (18" x 18")	3"	Wall	Bottom	484
	4"	Floor	Side	656
	4"	Wall	Bottom	688
	6"	Floor	Side	815
	6"	Wall	Bottom	732
WG1061HF2PAK2 (9" x 9")	2.5" & 3"	Floor	Side	264
	2.5" & 3"	Wall	Side	224

Model Number	Size	Cover Open Area Sq. Inch	1.5ft/sec. Flow Rate GPM	Ctn. Qty.	Ctn. Weight
Replacement cover and inner frame					
WGX1031BHF2	9" x 9"	23.96	112	10	12 lbs.
WGX1032BHF2	12" x 12"	41.07	192	10	18 lbs.
WGX1033BHF2	18" x 18"	124.1	580	10	39 lbs.
Cover, inner frame and outer frame (2 pack)					
WG1031HF2PAK2	9" x 9"	23.96	112	4	18 lbs.
WG1032HF2PAK2	12" x 12"	41.07	192	4	30 lbs.
WG1033HF2PAK2	18" x 18"	124.1	580	2	31 lbs.
3" suction outlet sump with cover (2 pack)					
WG1061HF2PAK2	9" x 9"	23.96	112	1	6 lbs.

Applications

- Meets various flow category requirements
- Installations in concrete, residential and commercial pools
- All Hayward drain covers can be used as a single replacement cover when installed on the same suction line as a TriStar VS SVRS
  (see page 8 for more information on a TriStar VS SVRS)

Features

- Certified to ANSI/APSP/ICC-16 2017
- Retrofits to all Hayward existing frames
- 7 year life
- 1 year limited warranty

For replacement parts see page 316.

SDX2 High Flow Safety Drain

ROUND DRAIN COVER FOR CONCRETE, VINYL ,OR FIBERGLASS POOLS

SDX2 is a high flow suction outlet suitable for use as a wall fitting, or as a floor fitting when debris removal is not a concern. Available for concrete, vinyl and fiberglass pools, SDX2 performs at a very high flow rate while operating at one of the lowest velocity ratings in the industry. SDX2 boasts a flow rating of 180 GPM on the floor and 140 GPM on the wall.

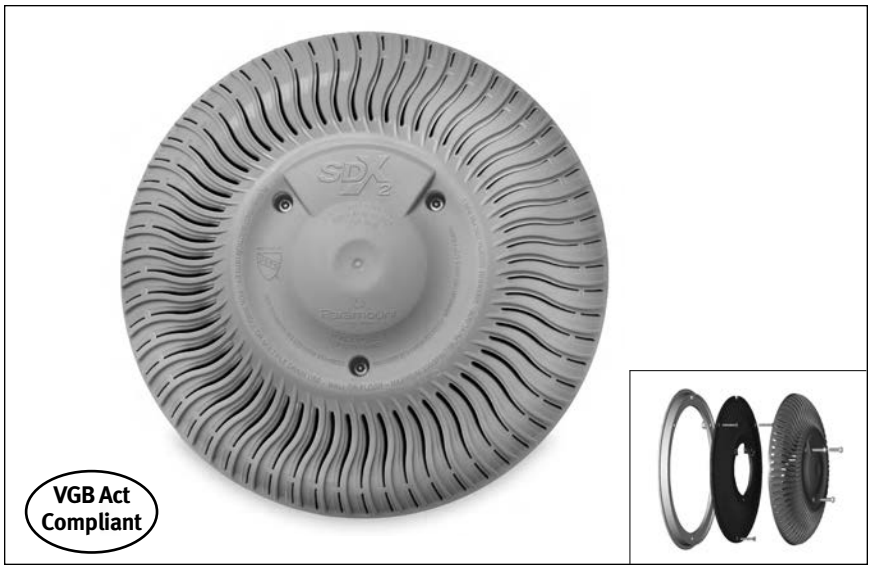
Applications

- Concrete, vinyl and fiberglass surfaces
- New construction or replacement covers

Features

- No sump required means time saved and no need to field fabricate a sump to meet the "1.5 times the pipe diameter" requirement
- Low velocity 1.396 feet per second at the maximum (180 GPM) flow rating
- Patented ribbed design achieves very high flow via 60 independent flow partitions
- Approved as a bulkhead fitting as the safety is in the cover and back plate
- Anti-vortex center shield blocks contact with direction suction
- Great for use with water features
- 5 year life

Flow Rating (GPM)	Pipe Size	Pipe Port Orientation	Direct Mounting Orientation
180	3"	Side	Floor
116	2.5"	Side	Floor
100	2"	Side	Floor
60	1.5"	Side	Floor
178	3"	Bottom	Floor
120	2.5"	Bottom	Floor
100	2"	Bottom	Floor
60	1.5"	Bottom	Floor
140	3"	Side	Wall
108	2.5"	Side	Wall
100	2"	Side	Wall
60	1.5"	Side	Wall
140	3"	Bottom	Wall
108	2.5"	Bottom	Wall
100	2"	Bottom	Wall
60	1.5"	Bottom	Wall



SDX2 High Flow Safety Drain Cover

SDX2 High Flow Safety Drain Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
004-162-2231-01	SDX2 for Concrete Pools – 2 Drains (White)	1	4 lbs.
005-252-2097-01	SDX2 Replacement Cover with Screws for Concrete Pools (White)	1	2 lbs.
004-172-2231-01	SDX2 for Vinyl and Fiberglass Pool – 2 Drains (White)	1	6 lbs.
005-252-2098-01	SDX2 Replacement Cover with Screws for Vinyl and Fiberglass Pools (White)	1	2 lbs.

NOTE: Contact your local Hayward representative for additional options

Automatic Chemical Feeders

CHLORINATORS AND BROMINATORS

OPEN LINE



CL200 In-Line Chlorinator



CL220 Off-Line Chlorinator

Hayward automatic chlorinators and brominators are ideal for in-ground and above ground applications during new pool construction or after market installations. Models are available for in-line and off-line configurations to accommodate most capacity, plumbing and space considerations. All units incorporate a durable ABS body along with a high quality Viton seal and an ergonomically designed cover to allow for simple lid removal.

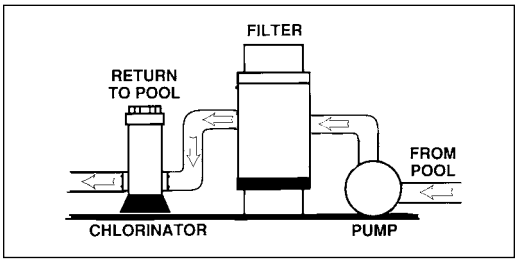
Features

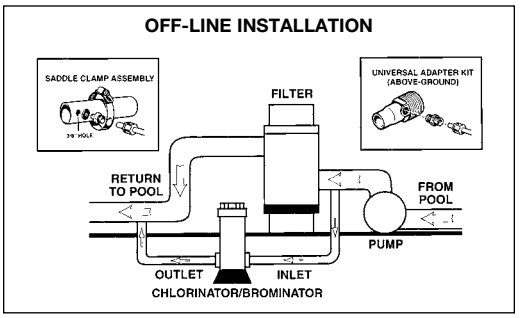
- X-Ring seal provides long life and easy cover removal
- Uses large or small, slow dissolving, Trichlor or Bromine tablets
- Dial control valve allows for easy feed rate adjustment
- Multiple connection options provide a wide range of use and simplified installation
- Easy-Lok threaded cover for safe and convenient access to add tablets
- Unique finger-release catch provides extra security

Automatic Chemical Feeder Buying Guide

Model Number	Pipe Size	Chemical Capacity	Feeder Width	Feeder Height	Ctn. Qty.	Ctn. Weight
In-Line Chlorinators						
CL100	1 ½" FIP	4.2 lbs.	8 ¼"	15 ¼"	10	30 lbs.
CL200*	1 ½" FIP	9 lbs.	9"	14 ¾"	10	45 lbs.
CL2002S**	2" SKT	9 lbs.	9"	14 ¾"	10	55 lbs.
Off-Line Chlorinators						
CL110	—	4.2 lbs.	6 ¾"	13"	10	30 lbs.
CL220	—	9 lbs.	8 ¼"	15 ½"	10	46 lbs.
Off-Line Chlorinators for Above Ground Pools						
CL110ABG	—	4.2 lbs.	6 ¾"	13"	10	28 lbs.
CL220ABG	—	9 lbs.	8 ¼"	15 ½"	10	51 lbs.
Packaged with a universal adapter kit for all Hayward above ground filter systems – Perflex®, sand or cartridge.						
Off-Line Brominators						
CL220BR	—	9 lbs.	8 ¼"	15 ½"	10	46 lbs.
Accessories						
SP1500UNMPAK1	Flush Union Connector with 1 ½" Male Nipple. For mounting in-line chlorine feeders.				50	24 lbs.
SP1500UNPAK2	Set of two Flush Union Connectors. Fits CL100 and CL200 Chlorinators inlet and outlet.				50	32 lbs.
SPX0327	Hayward Jack's Formula 327 Multilube – 1 oz. Tube				50	4 lbs.

NOTES: *Includes mounting base.
**Features 2" inlet and outlet ports for applications with 50 gpm to 90 gpm flow rates.





NOTE: Chemical feeders should always be installed on the return line after the last heating appliance.

CAUTION: Extreme care must be exercised when adding chemicals to your pool. Concentrated chemicals may react violently if they mix in the chemical feeder, causing a fire or explosion, which may result in PROPERTY DAMAGE, PERSONAL INJURY or DEATH.

CAUTION: Never use petroleum based lubricants on any of the chlorinator o-rings. Regular cover o-ring lubrication is necessary to maintain easy cover removal. Use non petroleum based lubricants such as Hayward Jack's Formula 327 Multilube (SPX0327).

For replacement parts see page 317.

Automatic Skimmers

OPEN LINE

SKIMMASTER®, AUTO-SKIM™ SERIES FOR IN-GROUND CONCRETE OR GUNITE POOLS

Designed for large-capacity commercial and residential applications, SkimMaster Series skimmers boast one of the highest flow ratings in the industry at 75 GPM. They feature threaded internal connections for pressure testing, an optional float/ bypass valve and an automatic safety bypass for low water conditions. Model SP1072S2 also includes PVC ports, which greatly reduce installation time.

Auto-Skim features include an adjustable cover collar for round or square skimmer lids, snap-in weir assembly, large capacity basket, integral flow control slide plate and a choice of port sizes for plumbing versatility.

The float valve and equalizer kits provide maximum flexibility for all swimming pool applications. Any SkimMaster Series or Auto-Skim model with a square cover can be adapted to meet NSF commercial requirements by adding the appropriate float valve and equalizer kit in conjunction with the NSF listed cover.

Applications

- In-ground concrete, gunite, residential and commercial pools and spas

Features – SkimMaster

- 3/4" knockout fill/overflow port
- Durable unibody construction
- Color options available
- Adjustable deck collar
- Self-adjusting 8" weir with stainless steel spring
- Large and durable debis basket
- Optional float valve for thru skimmer suction outlet system

Features – Auto-Skim

- 1.5" and 2" port sizes for plumbing versatility
- Cover collar allowing 1.5" vertical adjustment
- Integral Flo-Control slide plate
- Optional float valve for thru skimmer suction outlet system
- Optional extension collar allows 2.5" additional vertical height
- Optional stackable notched extension collar allows infinite vertical adjustment



SP1072 SkimMaster Series



SP1082 Auto-Skim Series

In-Ground Skimmer Buying Guide

Model Number	Pipe Size	Cover Style	Throat Length	Ctn. Qty.	Ctn. Weight
SP1070 SkimMaster Series					
SP1071T2	1 ½" FIP	Round	4 ½"	1	8 lbs.
SP1072T2	2" FIP	Round	4 ½"	1	8 lbs.
SP1072S2*,**	2" SKT x 2 ½" SPIG	Round	4 ½"	1	8 lbs.
NSF Listed Skimmer & Accessories					
HCWG1072C	2" SKT x 2 ½" SPIG	Round	4 ½"	1	12 lbs.
WG1082SFVE	2" SKT	Square	5 ¼"	1	12 lbs.

NOTES: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.
**Available with tan collar and cover. Add suffix 10 to model number.
For skimmer packaged with float valve, add suffix FVA to model number.

Model Number	Description	Ctn. Qty.	Ctn. Weight
SP1070FVEKIT	Float valve and equalizer kit for SP1070 Series skimmers	10	12 lbs.
SP1072FVEKIT	Float valve and equalizer kit for SP1072 Series skimmers	10	12 lbs.
SP1080FVEKIT	Float valve and equalizer kit for SP1080 Series skimmers	10	12 lbs.
WGX1070C	NSF listed replacement cover for SP1070 and SP1072 Series skimmers	10	15 lbs.
WGX1082E	NSF listed replacement cover for SP1080 Series skimmers	10	15 lbs.

NOTE: For commercial applications, add appropriate float valve and equlizer kit with NSF listed cover to any SkimMaster or Auto-Skim model with a square cover.

SP1080 Auto-Skim Series					
SP10821	1 ½" FIP	Square	5 ¼"	1	10 lbs.
SP10821R	1 ½" FIP	Round	5 ¼"	1	10 lbs.
SP1082†	2" FIP	Square	5 ¼"	1	10 lbs.
SP1082RC†	2" FIP	Round	5 ¼"	1	10 lbs.

NOTE: †Available in Dark Gray. Add suffix DGR to model number for Dark Gray

Accessories			
SP1070FV	Float valve assembly for SP1070 Series	20	25 lbs.
SP1072FV	Float valve assembly for SP1072 Series	24	25 lbs.
SP1078	Equalizer valve for SP1070 and SP1080 Series	25	4 lbs.
SP1070P	Extension collar for SP1070 Series	50	30 lbs.
SP1070TPK	Pressure test plug kit for SP1070 Series	15	7 lbs.
SPX1080EX	Extension collar for SP1080 Series	10	7 lbs.
SP1082FV	Float valve assembly for SP1080 Series	24	36 lbs.
SP1082GV	Skimmer-to suction outlet valve assembly for SP1080 Series	24	18 lbs.
SP1084P1	Extension collar for SP1080 Series	20	15 lbs.

For replacement parts see pages 318–320.

Automatic Skimmers

AUTO-SKIM™ SERIES FOR IN-GROUND VINYL AND FIBERGLASS POOLS

OPEN LINE



SP1084 Auto-Skim Series



SP1085 Wide Track Auto-Skim

Manufactured to Hayward's uncompromising standards, these large capacity skimmers for vinyl and fiberglass applications install easily and perform flawlessly even in the most difficult environments. The bodies are molded out of durable ABS plastic and do not contain any assembly seams below water level. They feature a standard square or round cover and collar assembly allowing up to 1.5" vertical adjustment. Additional extension collar accessories are available to meet needs for all applications.

The Auto-Skim Wide Track Series includes all of the same high quality features in addition to an expansive 15.5" skimmer face and a choice of two throat lengths. The enlarged opening and added installation flexibility allows for increased skimming action and reduced time for debris removal.

Add optional float valve and equalizer kit with an NSF approved cover to any Auto-Skim model with a square cover to accommodate commercial requirements.

In-Ground (Vinyl/Fiberglass) Skimmer Buying Guide

All vinyl/fiberglass pool skimmers are packaged with face plate, gaskets and screws.

Model Number	Pipe Size	Cover Style	Throat Length	Ctn. Qty.	Ctn. Weight
SP1080 Auto-Skim Series					
SP10841*	1 ½" FIP	Square	8 ½"	1	13 lbs.
SP10841R*	1 ½" FIP	Round	8 ½"	1	13 lbs.
SP10841OM**	1 ½" FIP	Square	8 ½"	1	13 lbs.
SP10841OMR**	1 ½" FIP	Round	8 ½"	1	13 lbs.
SP1084**	2" FIP	Square	8 ½"	1	13 lbs.
SP1084R**	2" FIP	Round	8 ½"	1	13 lbs.
SP1080 Auto-Skim Wide Track Series					
SP10851OM	1 ½" FIP	Square	12 ¼"	1	17 lbs.
SP10852*	1 ½" FIP	Square	9 ¼"	1	16 lbs.
SP10852OM**	1 ½" FIP	Square	9 ¼"	1	16 lbs.

NOTES: *Skimmer includes standard and extra long 1 ¼" screws.
**Available in Dark Gray – add suffix DGR for Dark Gray.
"R" designation indicates round collar and cover assembly
OM designation indicates thru-wall, outside mount for metal wall installations.

Model Number	Description	Ctn. Qty.	Ctn. Weight
Accessories			
SP1080FVEKIT	Float valve and equalizer kit for SP1080 Series skimmers	10	12 lbs.
WGX1082E	NSF listed replacement cover for square SP1080 Series skimmers	10	15 lbs.
SP1084F†	Face plate cover – "Snap On" for SP1084 skimmers	30	10 lbs.
SP1085F†	Face plate cover – "Snap On" for SP1085 skimmers	18	10 lbs.
SP1078	Equalizer valve for SP1070 and SP1080 Series	50	30 lbs.
SP1082FV	Float valve assembly for SP1080 Series	24	36 lbs.
SP1082GV	Skimmer-to-suction outlet valve assembly for SP1080 Series	24	18 lbs.
SP1084P1	Extension collar for SP1080 Series	20	15 lbs.

NOTE: †Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

Applications

- In-ground, vinyl, fiberglass, residential and commercial pools and spas

Features

- 1.5" and 2" port sizes for plumbing versatility
- Standard cover and collar assembly with 1.5" vertical adjustment
- Color options available
- Integral Flo-Control slide plate
- Optional float valve for thru skimmer suction outlet system
- Optional extension collar allows 2.5" additional vertical height
- Optional stackable notched extension collar allows infinite vertical adjustment

For replacement parts see pages 318–320.

Venturi Skimmers

PARASKIMV VENTURI SKIMMER FOR IN-GROUND CONCRETE OR GUNITE POOLS AND SPAS

The Paramount ParaskimV venturi skimmer offers high-performing features no other venturi skimmer can match, paired with an energy saving design. ParaskimV works brilliantly with multi-speed pumps without sacrificing a cleaner pool. In fact, ParaskimV can generate the same skimming action just as effectively at a pump's slower speeds, so you can take full advantage of the energy savings available with a multi-speed pump. ParaskimV can even enhance the skimming action when using a single speed pool pump by combining the venturi effect with the standard skimmer operation.

Since ParaskimV can effectively remove debris from the surface at lower pump speeds, you can direct 100% suction to the main drain of the pool, maximizing its ability to remove heavier settled debris.

ParaskimV skimmer's offset venturi design allows easy access for vacuum hose connections.*

Applications

- In-ground concrete or gunite pools and spas

Features

Patented Venturi Nozzle
- Effective skimming even at low pump speeds
- Lower energy costs without sacrificing performance
- Offset design allows easy vacuum hose connection
- Alternate method of introducing ozone

Weir Door Design
- Notched design for better flow at lower pump speeds
- Less potential for debris to become trapped

Debris Basket
- Largest on the market means less maintenance
- Includes fine mesh bag for fine debris removal

Safest Venturi Skimmer Available
- Interior vacuum relief and return guard cover provide additional layers of safety
- High relief point less likely to become blocked

Deck Lid
- Allows for full-open inside skimmer throat
- Works with Pour-A-Lid™ and paver decks
- Available in beige and light grey

Overflow Port
- Largest on the market (1 1/2" x 2")
- Optional use in high storm regions

*When installed with direct pump suction. Patents pending.



Paramount Venturi Skimmers

ParaskimV Buying Guide

Model Number	Description	Pipe Size	Cover Style	Ctn. Qty.	Ctn. Weight
004-702-1002-07	Concrete-Gray Throat, Beige Lid	2"	Round	1	17.80 lbs.
004-702-1002-08	Concrete-Gray Throat, Lt. Gray Lid	2"	Round	1	15 lbs.

NOTE: Contact your local Hayward representative for additional options

An elegantly simple design, the ParaskimV venturi nozzle enables the skimmer to provide almost identical flow rates regardless of the speed of the pump.



Automatic Water Leveler

PARALEVEL™ FOR IN-GROUND POOLS AND SPAS

OPEN LINE



Paramount Automatic Water Leveler

Paramount's innovative water leveler, Paralevel, was designed from a pool builders perspective with builders, homeowners and service technicians in mind. No components of this unit were adapted from other industries. Paralevel is continually working behind the scenes to ensure that your pool or spa is at its ideal level. You can rest easy knowing that your pool's water level is being monitored and adjusted automatically. If you ever need to make a manual adjustment Paralevel's "posi-click" adjustment makes it easy. One full turn equals ¼" (6 mm) of water level adjustment.

Unlike other water levelers Paralevel offers "Smart-Sensing", which means it will ignore water sloshing in the pool as it only senses the pools true level. "Smart-Sensing" also protects Paralevel so it will not cycle on and off rapidly, like other levelers. This limits the potential for premature failure, and eliminates loud water hammer in your home that could lead to damage to your plumbing.

Paralevel Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
004-760-2902-07	Automatic Water Leveler – Beige	1	5.9 lbs.

NOTE: Contact your local Hayward representative for additional options



Automatic Water Leveler



Inner Float Assembly

Applications

- In-ground pools and spas

Features

- Simple to set, use and winterize
- Easy, accurate "Posi-Click" adjustment
- Smaller footprint in your pool deck
- "Smart-Sensing" not affected by water splashing
- Large balance line
- Overflow line ready
- Quick fill capable
- Service industry friendly

Debris Canisters

DECK-SIDE AND EQUIPMENT-SIDE DEBRIS CANISTERS

The Paramount Deck-side Debris Containment Canister (DDC2) minimizes the time spent maintaining your swimming pool. The DDC2 is conveniently located in the pool deck for easy debris removal. The large capacity basket collects debris before it reaches the pump basket allowing the pump to run more efficiently and with less chance of clogging — utilizing the included fine mesh bag filters out even smaller debris.

The Paramount Equipment Debris Canister (EDC) is a highly effective, efficient, easy to install equipment-side debris canister for all pools. It's plumbed before the circulation pump to trap debris from spa, skimmer and main drain lines before it reaches the pump and filter. The basket holds up to 68% more debris than any other equipment side canister, and utilizing the included fine mesh bag filters out even smaller debris. Its high efficiency design ensures maximum water flow with minimal restriction

Applications

- In-ground pools and spas

Features – DDC2 (Deck-side Debris Containment Canister)

- Quick and easy debris removal; no threads, clamps, or seals
- Allows pump to operate without interference
- Includes fine mesh bag for fine debris removal
- Holds 300% more than most pump baskets
- Ideal for high leaf areas

Features – EDC (Equipment-side Debris Canister)

- Constructed of weather and UV resistant thermoplastics for long term durability
- Clear bayonet lid
- Includes fine mesh bag for fine debris removal
- Holds 300% more than most pump baskets
- Ideal for high leaf areas



DDC2 (Deck-side Debris Containment Canister)



EDC (Equipment-side Debris Canister)

Debris Canister Buying Guide

Model Number	Description	Pipe Size	Cover Style	Ctn. Qty.	Ctn. Weight
004-152-4720-07	Deck Side Debris Canister, Beige	2"	Seal Less	1	19 lbs.
004-152-4516-00	Equipment Side Canister	2"	Bayonet	1	16 lbs.

NOTE: Contact your local Hayward representative for additional options

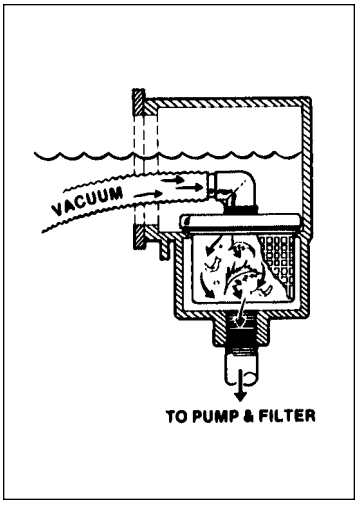
Automatic Skimmers/Skim Vacs

ABOVE-GROUND AND IN-GROUND POOLS

OPEN LINE



SP1091WM Wide Mouth Dyna-Skim



Skim Vac Action

Hayward automatic skimmers have been an industry standard for more than 30 years. The Dyna-Skim skimmers have been redesigned to match the needs of today's above ground pools, while remaining applicable for use on existing pool models.

Application – Dyna-Skim

- Above-ground pools

Dyna-Skim Features

- Heavy duty UV resistant construction
- Large debris collection basket
- Top and front basket access
- One piece body construction
- Snap-in and removable weir
- 1 ½" female straight pipe threads
- Quick disconnect pipe connection
- Compatible with wide top seat pools

Dyna-Skim Above-Ground Skimmer Buying Guide

Model Number	Front/Top Basket Access	Low Profile	Hydrosweep Recirculation Pkg.	Pipe Size	Ctn. Qty.	Ctn. Weight
SP1091WM*	•	Wide-Mouth	2	1 ½" FPT	6	46 lbs.
SP1091LX**	•	•	2	1 ½" FPT	6	32 lbs.

NOTES: *Replaces SP1090WM
**Replaces SP1090, SP1091ES and SP1095ES

1—Includes SP11071 Skim Vac.
2—Includes SP1023, SP1419D, (2) 1 ½" x 1 ½" hose adapters, and SP11041 Skim Vac.
3—Includes SP1094D Skim Vac.

Skim Vacs have revolutionized the process of vacuuming pools. By utilizing the skimmer basket instead of the pump strainer basket, the need to turn the pump on and off has been eliminated. Simply attach the appropriate Skim Vac to the vacuum hose, locate over the skimmer basket and begin vacuuming.

Application – Skim Vac

- In-ground pools
- Above-ground pools

Skim Vac Buying Guide

Model Number	Skimmer Application	Hose Connection	Rubber Gasket	Ctn. Qty.	Ctn. Weight
Above-Ground					
SP1094D	SP1094,SP1095	1 ¼"/1 ½" Elbow	No	20	5 lbs.
SP11041	SP1090,1091,1092	1 ¼"/1 ½" Elbow	No	50	22 lbs.
SP11051	SP1090,1091,1096, 1097 and 1098	1 ½" Straight Barb	Yes	50	22 lbs.
SP11052	SP1090,1091, 1092	1 ¼" Elbow	Yes	50	25 lbs.
SP11054	SP1090,1091,1092	1 ¼"/1 ½" Combo Adapter	Yes	50	23 lbs.
In-Ground					
SP1106	SP1082,1084, 1085, 1075	1 ½" Straight	Yes	20	13 lbs.
SP11063	SP1070	1 ½" Straight	No	20	11 lbs.
SP1107	SP1082,1084,1085, 1070 and 1075	1 ½" Straight	No	20	8 lbs.
SP11071	SP1089	1 ¼"/1 ½" Elbow	No	20	11 lbs.

For replacement parts see pages 318–320.

Hayward's VariFlo® XL multiport control valves, engineered for maximum flow at lower pressure drops are the professional's choice in multiport valves.

All VariFlo control valves feature an easy-to-use lever action handle that lets you "dial" up to seven valve/filter functions: filter, backwash, waste, rinse, closed, winter or recirculate. Complete with an integral sight glass that lets you see when the backwashing cycle is completed, our wide selection of valve configurations allows you to match the right VariFlo valve to the proper application; residential, commercial, top-mount or side mount.

VariFlo Control Valve Functions

FILTER – For normal filtering and regular vacuuming.

BACKWASH – For cleaning filter sand bed of accumulated debris.

RINSE – Use after completing backwash cycle to ensure all dirty water is rinsed out of the filter to waste.

WASTE – By-passes the filter for draining or lowering pool water level and for vacuuming heavy debris directly to waste line.

RECIRCULATE – Water is recirculated through the valve, by-passing the filter.

CLOSED – Shuts off the flow from the pump to the filter.

Winter – For winterizing (SP0714T only).



SP0710XALL VariFlo Control Valve



SP0714T VariFlo XL Control Valve

VariFlo Valve Buying Guide

Model Number	Valve Positions	Pipe Size	Body Color	Mounting Location	Closure Design	Ctn. Qty.	Ctn. Weight
SP0710XALL(1)	6	1 ½" FIP	White	Side	—	10	50 lbs.
SP071621	6	2" FIP	Black	Top	Clamp	1	8 lbs.
SP0714T	7	1 ½" FIP	Black	Top	Clamp	1	5 lbs.
SP0715ALL(2)	6	2" FIP	Black	Side	—	8	70 lbs.

NOTES:
(1) Includes two 1 ½" pipe plugs
(2) Includes two 2" pipe plugs

SP0704 Replacement Valve: SP0714T

Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
Sight Glasses				
SP1072S	1 ½" SKT	ABS, Horizontal in-line style	24	28 lbs.
SP1074S	2" SKT	ABS, Horizontal in-line style	50	39 lbs.

White Goods

For replacement parts see pages 310–312.

Valves

SELECTAFLO HIGH-EFFICIENCY, MULTIPORT, AND SLIDE VALVES FOR D.E. FILTERS

OPEN LINE



SP0425 designed to fit Hayward® ProGrid and DEP 500 Series D.E. filters

SelectaFlo High-Efficiency Filter Valve Buying Guide

Model Number	Description	Port Size	Valve Positions	Ctn. Qty.	Ctn. Weight
SP0425	SelectaFlo High-Efficiency Filter Valve	2" SKT x 2 ½" SLIP	4	1	13 lbs.

Multiport and Slide Valve Buying Guide

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
SP0740DE	SelectaFlo	2" SKT	4	1	9 lbs.
SP0710XR50	VariFlo	1 ½" FIP	6	1	6 lbs.
SP0715XR50	VariFlo	2" FIP	6	1	9 lbs.
SP0410XR502S	Side Valve	2" SKT	2	1	4 lbs.
SP0425	Coupling	1 ½" SKT x 2" SLIP	—	10	10 lbs.

Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed
SP0425	•	•	•	•	—	—
SP0740DE	•	•	•	•	—	—
SP0710XR50	•	•	•	•	•	•
SP0715XR50	•	•	•	•	•	•
SP0410X502S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

SelectaFlo high-efficiency backwash valves are hydro-engineered to provide superior flow at lower pressure drops. They feature an easy-to-use trigger action handle that lets you select from four valve/ filter functions: filter, backwash, pump to waste or recirculate. SelectaFlo valves are ideal for D.E. filter applications requiring high efficiency and low head loss.

Control Valve Functions

FILTER - For normal filtering and regular vacuuming.
BACKWASH - For purging filter of accumulated debris.
WASTE - Bypasses the filter for draining or lowering pool water level and for vacuuming heavy debris directly to waste line.
RECIRCULATE - Water is recirculated through the valve, bypassing the filter.

Features

- Rugged ergonomic handle allows for easy selection of four positions: filter, backwash, pump to waste or recirculate
- EcoFlo fitting (included with valve) allows for simple and efficient plumbing to TriStar™ pumps
- Built-in sight glass provides convenient backwash viewing
- Innovative lock ring and seal carrier minimize service time
- Versatile ports accept 2" (SKT) or 2.5" (Spig) pipe for easy installation

SelectaFlo and VariFlo multiport control valves feature an easy-to-use lever action handle that lets you "dial" up to six valve/ filter functions: filter, backwash, waste, rinse, closed, or recirculate. Complete with an integral sight glass that lets you see when the backwashing cycle is completed, our wide selection of valve configurations allows you to match the right valve to the application.

Control Valve Functions

FILTER - For normal filtering and regular vacuuming.
BACKWASH - For cleaning filter sand bed of accumulated debris.
RINSE - Use after completing backwash cycle to ensure all dirty water is rinsed out of the filter to waste.
WASTE - By-passes the filter for draining or lowering pool water level and for vacuuming heavy debris directly to waste line.
RECIRCULATE - Water is recirculated through the valve, by-passing the filter.
CLOSED - Shuts off the flow from the pump to the filter

Hayward PSV Series 2-way and 3-way diverter valves and check valves make water flow management simple and maintenance free. Durable CPVC body and lid construction provide greater heat tolerance, preventing warping and leaks in the most demanding environments. All components are made of corrosion resistant materials allowing for proper function over an extended life. PSV Series valves are available in multiple material, size and port configurations to accommodate most new construction and aftermartket scenarios.

PVC Valves not recommended for ambient temperatures of 104°F or above.

Hayward ball valves are designed for maximum flow efficiencies and pressure ratings up to 50 psi. They feature a dial handle for easy flow regulation and visual indication of valve setting. Teflon seats and union end connectors accurately align the ball and provide a dependable sealing surface.



SP0722S Trimline Ball Valve



3-way PSV Valve



PSV Check Valve

PSV Diverter & Check Valve Buying Guide

Model Number	Description	Pipe Size	Material	Ctn. Qty.	Ctn. Weight
PSV2S	2-way	1 ½" – 2"	CPVC	20	35 lbs.
PSV2S2	2-way	2" – 2 ½"	CPVC	20	38 lbs.
PSV3S	3-way	1 ½" – 2"	CPVC	20	38 lbs.
PSV3S2	3-way	2"– 2 ½"	CPVC	20	40 lbs.
PSV2SDGR	2-way	1 ½" – 2"	PVC	20	35 lbs.
PSV2S2DGR	2-way	2" – 2 ½"	PVC	20	38 lbs.
PSV3SDGR	3-way	1 ½" – 2"	PVC	20	38 lbs.
PSV3S2DGR	3-way	2"– 2 ½"	PVC	20	40 lbs.
PSCV2S	Check Valve	1 ½" x 2"	CPVC	20	35 lbs.
PSCV2S2	Check Valve	2" x 2 ½"	CPVC	20	38 lbs.
PSCV2SDGR	Check Valve	1 ½" x 2"	PVC	20	35 lbs.
PSCV2S2DGR	Check Valve	2" x 2 ½"	PVC	20	38 lbs.

Ball Valve Buying Guide

Model Number	Description	Pipe Size	Material	Ctn. Qty.	Ctn. Weight
Deluxe					
SP0727	3-way	1 ½" MIP	ABS	20	19 lbs.
SP0735	4-way	1 ½" FIP	ABS	20	33 lbs.
Trimline					
SP0722	2-way	1 ½" FIP	ABS	24	21 lbs.
SP0722S	2-way	1 ½" SKT	PVC	24	21 lbs.
SP0723	2-way	1 ½" MIP x 1 ½" FIP	ABS	24	23 lbs.
SP0723S	2-way	1 ½" MIP x 1 ½" SKT	ABS	24	23 lbs.
Trimline Deluxe					
SP0724S	2-way	2" SKT	ABS	20	24 lbs.
Econoline					
SP0729	2-way	1 ½" MIP x Hose Adapter	ABS	24	12 lbs.

NOTE: For commercial ball valves see page 344.

White Goods

For replacement parts see page 323.

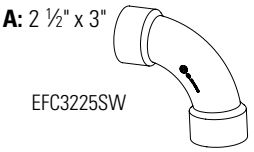
Connection Fittings and Unions

MULTIPURPOSE CONNECTION FITTINGS

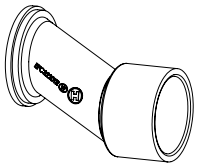
OPEN LINE

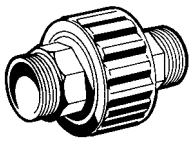


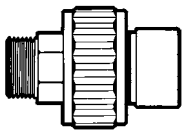
EFC3220SW

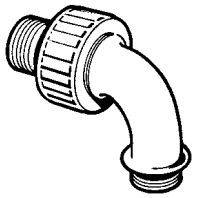


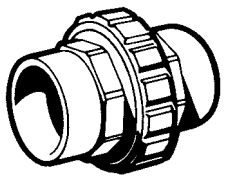
EFC3225SW

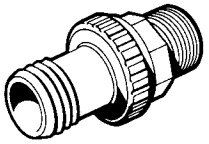

EFC3220TR


SP1480BLK


SP1484


SP1485


SP14982S


SP1493

Connection Fitting and Union Buying Guide

Model Number	Pipe Size	Description	Material	Ctn. Qty.	Ctn. Weight
EcoFlo Fittings					
EFC3220SW	**A:** 2" x 2 ½" **B:** 2"	EcoStar®/TriStar® 2" x 2 ½" Sweep	PVC	20	10 lbs.
EFC3225SW	**A:** 2 ½" x 3" **B:** 2 ½" x 3"	EcoStar/TriStar 2 ½" x 3" Sweep	PVC	10	10 lbs.
EFC3220TR	2" x 2 ½"	2" x 2 ½" Heater Transition	CPVC	30	10 lbs.
Full-Flo Self-Aligning Unions					
SP1480BLK	1 ½" MIP	Self-Aligning Double Male End Union, Black	ABS	50	36 lbs.
SP1481	1 ½" SLIP	Self-Aligning Slip Union	ABS	24	37 lbs.
SP1482	1 ½" MIP x 1 ½" SLIP	Self-Aligning Male/Slip Union	ABS	50	37 lbs.
SP1484	1 ½" MIP x 1 ½" SKT	Self-Aligning Male/Female Union	ABS	50	37 lbs.
SP1485	1 ½" MIP	Self-Aligning Double Male End Union End Sweep 90°, short	ABS	20	27 lbs.
SP1486	1 ½" MIP	Clear, Self-Aligning Double Male End Union and Compression Fitting-90° Sweep, 10" long	ABS/LEXAN	20	34 lbs.
Flush Unions					
SP14952	1 ½" FIP	Flush Female Union	ABS	50	32 lbs.
SP14952S	1 ½" SKT(ID) or 2" SLIP(OD)	Flush Female Socket Union	ABS	50	29 lbs.
SP14952S50	1 ½" SKT(ID) or 2" SLIP(OD)	Bulk Pack of 50 SP14952S	ABS	1	26 lbs.
SP14953S	1 ½" MIP x 1 ½" SKT(ID) or 2" SLIP(OD)	Flush Male/Female Socket Union	ABS	50	29 lbs.
SP14982S	2" SKT	Flush Female Socket Union	PVC	50	40 lbs.
SP14983S	2" MIP x 2" SKT	Flush Male/Female Socket Union	PVC	50	40 lbs.
Econo-Unions					
SP1493	1 ½" MIP	Quick Disconnect – 1 ½" hose (barb)	ABS	50	15 lbs.
Union Check Valves					
SP1091CV	1 ½" MIP	In-Line Combo 1 ½" x 1 ¼" Hose Adapter and Check Valve	ABS	40	9 lbs.
SP14461S	1 ½" SKT	Union Check Valve	ABS	50	37 lbs.
Union Connectors					
SP1500UNPAK2	1 ½" SKT	Flush Union Connector Set (2 pack) 1.5" SKT	ABS	50	12 lbs.

For replacement parts see page 326.

OPEN LINE

Fittings & Accessories Buying Guide

Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
Directional Flow Inlet Fittings – Standard (Return to Pool)				
SP1419A*	1 ½" MIP	Hydrosweep slotted opening	50	7 lbs.
SP1419B*	1 ½" MIP	Hydrostream ⅜" opening	50	7 lbs.
SP1419C*	1 ½" MIP	Hydrostream ½" opening	50	7 lbs.
SP1419D*	1 ½" MIP	Hydrostream ¾" opening	50	7 lbs.
SP1419E*	1 ½" MIP	Hydrostream 1" opening	50	7 lbs.
SP1420	1 ½" MIP	Hydrostream, 1" rubber nozzle	25	5 lbs.
SP1421D*	1 ½" SLIP	Hydrostream Insider Fitting – ¾" opening	25	5 lbs.
SP1421E	1 ½" SLIP	Hydrostream Insider Fitting – 1" opening	25	5 lbs.
SP1419T	—	Seat Removal Tool for Hydrosweep/Hydrostreams	100	5 lbs.

NOTE: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

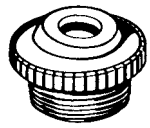
Directional Flow Inlet Fittings – Extended Flange				
SP1418D*	1 ½" MIP	Hydrostream, large – ¾" opening	50	10 lbs.
SP1422D	1 ½" SLIP	Hydrostream Insider – ¾" opening	50	12 lbs.
SP1422E	1 ½" SLIP	Hydrostream Insider – 1" opening	50	11 lbs.

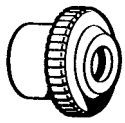
The following fittings all have 1 ½" internal threads for use with directional fittings, plugs, grate inserts, outlet covers and Jet-Air hydrotherapy fittings. Choose the appropriate fittings for concrete, vinyl or fiberglass applications.

Inlet Receptacles & Vacuum Fittings – Concrete Pools				
SP1022*	1 ½" FIP	1.5" Threaded Return Fitting	50	11 lbs.
SP1022S*	1 ½" SKT	1.5" Socket Return Fitting	50	11 lbs.
SP1022S2*	2" SKT	2" Socket PVC Return Fitting	50	15 lbs.
SP1022INS	1 ½" INS	Fitting (1 ½" FIP face x 1 ½" SLIP stub end)	50	11 lbs.
SP1022B**	1 ½" MIP	Flush Plug with Gasket	100	5 lbs.
SP1022C**	1 ½" MIP	All Purpose Plug with O-Ring	100	6 lbs.
SP1022C2BLK	2" MIP	All Purpose Plug With O-Ring	50	5 lbs.
SP1044*	1 ½" SKT(ID) or 2" SLIP (OD)	Flush Return Fitting with PVC Body – ¾" opening and mud cover	50	25 lbs.
SP1044INS*	1 ½" INS	Insider Flush Return Fitting with PVC Body – ¾" opening and mud cover	50	25 lbs.

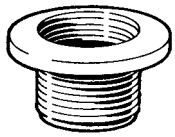
NOTES: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.
**Available in Gray and Black. Add suffix GR for Gray and BLK for Black.

Vac Lock Safety Wall Fitting				
W400BWHP		Vac Lock Safety Wall Fitting, White	10	2.5 lbs.
W400BBKP		Vac Lock Safety Wall Fitting, Black	10	2.5 lbs.
W400BDGR		Vac Lock Safety Wall Fitting, Dark Gray	10	2.5 lbs
W400BLGP		Vac Lock Safety Wall Fitting, Lt. Gray	10	2.5 lbs.


SP1419D


SP1421D


SP1418D


SP1022

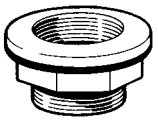

SP1022C

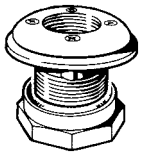

SP1044


SP1044INS

White Goods

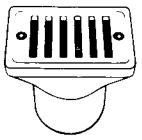
For replacement parts see page 327.


SP1023

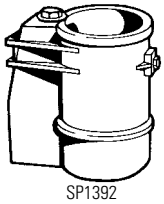

SP1408


SP1026


SP1425


SP1019


SP1040


SP1392

Fittings & Accessories Buying Guide

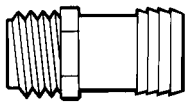
Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
Inlet Fittings – Vinyl/Fiberglass Pools, Spas, Hot Tubs				
SP1023	1 ½" FIP 1.5"	Threaded Return Fitting for Fiberglass	50	17 lbs.
SP1023S*	1 ½" SKT	1 ½" Socket Return Fitting for Fiberglass	50	17 lbs.
SP1023S2*	2" SKT	2" PVC Body Return Fitting for Fiberglass	50	23 lbs.
SP1023G	1 ½" FIP	SP1023 Return Fitting With Sandwich Gasket for ABG Pools	50	19 lbs.
SP1026*	1 ½" MIP	Grate Insert	50	4 lbs.
SP1408*	1 ½" FIP	1 ½" Threaded Return Fitting for Vinyl	50	28 lbs.
SP1408S2*	2" SKT	2" PVC Body Return Fitting for Vinyl	50	34 lbs.
Wall/Floor Inlet Fittings – Concrete Pools				
SP1424	1 ½" FIP x 2" MIP	Adjustable Inlet	50	26 lbs.
SP1424S	1 ½" SKT x 2" MIP	Adjustable Inlet	50	26 lbs.
SP1425	1 ½" FIP x 2" MIP	Adjustable Floor Inlet	50	27 lbs.
SP1425S	1 ½" SKT x 2" MIP	Adjustable Floor Inlet	50	26 lbs.
Deck Drains				
SP1019**	1 ½" FIP + 2" COUP	Socket/Deck Drain	50	25 lbs.
SP1019BA	—	Rectangular Grate, with screws	100	7 lbs.
Lane Marker Anchors				
SP1040		Bar Type Anchor, ABS (concrete pools)	50	23 lbs.
SP0404		Eyebolt Assembly, ABS – with locknut and gasket (vinyl, fiberglass pools)	50	18 lbs.
Anchor Sockets				
SP1392	1 ½"	Anchor Socket, ABS, heavy-duty	50	26 lbs.
Escutcheons				
SP1041	1 ½"	Escutcheon Plate, ABS	50	7 lbs.
SP1041100	1 ½"	Bulk pack of 100 SP1041	1	13 lbs.
SP1042	1 ½"	Escutcheon Plate, ABS, Chrome Plated	50	7 lbs.

NOTES: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.
**Also available in Gray and Black. Add suffix GR for Gray and BLK for Black.

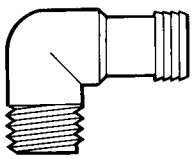
For replacement parts see page 327.

Miscellaneous Accessories Buying Guide

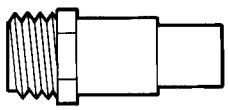
Model Number	Description	Ctn. Qty.	Ctn. Weight
Hose Kit and Hose Adapters			
EC1155	1 ½" Hose Kit with Adapters and Clamps	1	4 lbs.
SPX1091Z2PAK2	1 ½" MIP x 1 ½" Hose Barb Adapter *(Set of 2)*	10	3 lbs.
SPX1105Z4	1 ½" MIP x 1 ½" Hose – Combination Insert Elbow	50	13 lbs.
SPX1082Z3	2" MIP x 1 ½" Hose – Male (Smooth) Red. Adapter	50	8 lbs.
SPX1091Z1	1 ½" MIP x 1 ¼" Hose – Male (Smooth) Red. Adapter	50	5 lbs.
SPX1105Z2	1 ½" MIP x 1 ¼" Hose – Male (Smooth) Red. Elbow Adapter	50	8 lbs.
SPX1105Z3	1 ½" MIP x 1 ½" Hose – Combination (Smooth) Elbow	50	8 lbs.
SPX1091Z4	1 ½" MIP x 1 ½" Hose – Male (Smooth) Adapter	50	5 lbs.
SPX1091Z7PAK2	1 ½" MIP x 1 ½" and 1 ¼" Hose Adapter *(Set of 2)*	25	12 lbs.
SPX1091Z9	1 ½" MIP x 1 ½" FIP – Threaded Extension Coupling	100	12 lbs.
Pipe Plugs			
SPX1600V	¼" – Pipe Plug	100	1 lb.
SPX1051Z1	1 ½" – Pipe Plug	100	8 lbs.
SP1022CBLK	1 ½" – Threaded Plug With O-Ring – Black	100	7 lbs.
SPX1053Z1	2" – Pipe Plug	100	11 lbs.
SP1022C2BLK	2" – Threaded Plug With O-Ring – Black	100	9 lbs.
Hose Clamps and Pressure Gauges			
SPX1091Z6	Double Wire Hose Clamp – 1 ½" Hose	50	3 lbs.
ECX18028	Stainless Steel Strap Clamp – 1 ½" Hose	50	13 lbs.
ECX270861	¼" Side Mount Pressure Gauge	100	26 lbs.
ECX271261	¼" Side Mount Pressure Gauge with Indicators	50	15 lbs.
ECX27091	¼" Back Mount Pressure Gauge	25	8 lbs.
ECX2712B1	¼" Back Mount Pressure Gauge with Indicators	50	15 lbs.
Miscellaneous			
EC10SC50	1 lb. DE Scoop (Case of 50)	1	12 lbs.
EC2024	Jet Action Cleaning Wand	10	4 lbs.
SPX0327	Jack's Formula 327 Multilube – 1 oz. Tube	50	4 lbs.
SP022310	10" Bobby Disposable Filter	20	13 lbs.
SP022320	20" Bobby Disposable Filter	20	20 lbs.



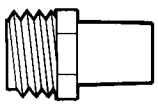
SPX1091Z2



SPX1105Z4



SPX1091Z7



SPX1091Z1

Hydrotherapy Fittings

JETAIR® III SERIES SPA FITTINGS

OPEN LINE



SP1437 Whirl-Flo Jet



SP1434 VariFlo Jet

Hayward's JetAir III and Adjustable JetAir III systems offer interchangeable jet nozzles, allowing for multiple configuration options to achieve the type of hydro-massage action you want, where you want it. With the adjustable JetAir III system, you can control the water and air flow right at the jet face providing a variety of therapy options at your fingertips.

Features

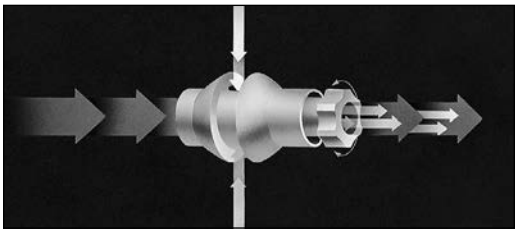
- Nozzle interchangeability allows for custom jet configurations
- Balanced hydraulics let user mix and match jet nozzles without affecting performance of the system
- Universal nozzle retrofitablity allows consumers to update to the nozzle of their choice at any time
- Modular packaging: A – Bodies/Bulkheads; B – Jet nozzles

Hydrotherapy Fitting Buying Guide

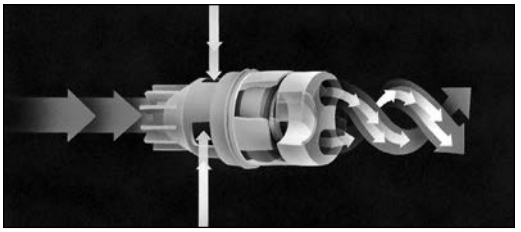
Model Number	Description	Ctn. Qty.	Ctn. Weight
JetAir III Common Body Assembly			
Includes combo air/water connection body, bulkhead fitting and gasket. All connections are socket.			
SP1434PAKA*	1 ½" air x 1 ½" water	25	26 lbs.
SP14341PAKA	1" air x 1" water	15	15 lbs.
SP14343PAKA	1" air x 1 ½" water	15	15 lbs.

Model Number	Description	Ctn. Qty.	Ctn. Weight
JetAir III Nozzle Assembly			
Fits both JetAir III and Adjustable JetAir III Systems			
SP1434PAKB*	VariFlo Nozzle Assembly – Adjustable	25	6 lbs.
SP1436PAKB	Pulse-Flo Nozzle Assembly – Rotating	25	4 lbs.
SP1437PAKB	Whirl-Flo Nozzle Assembly – Whirlpool	25	3 lbs.
Accessories			
SP1434T	Combination Tool for Bulkhead and Nozzle	50	20 lbs.
SP1434TP	Test Plug Tool	20	13 lbs.

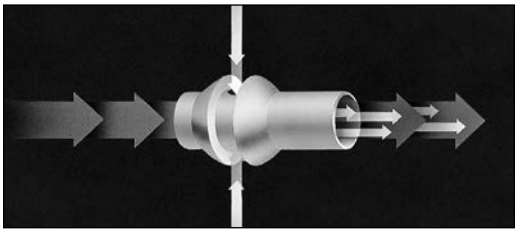
NOTE: *Available in Gray and Dark Gray. Add suffix GR for Gray and DGR for Dark Gray.
All nozzle assemblies will retrofit previously installed SP1434 Series JetAir III fittings.



SP1434 VariFlo – Fully adjustable and directional
NOTE: Not for use with the adjustable JetAir III system.



SP1436 Pulse-Flo – Pulsation and rotation for the ultimate hydro-massage action



SP1437 Whirl-Flo – Powerful, fully directional whirlpool jet provides 10-30 GPM range

White Goods

For replacement parts see page 328.

Hydrotherapy Fitting Buying Guide

Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
JetAir® Hydrotherapy Fittings				
SP1430	1 ½" FIP x 1 ½" MIP	JetAir Fitting, for permanent installation. Fits any 1 ½" FIP hub	50	20 lbs.
SP1430S	1 ½" SKT x 1 ½" MIP	JetAir Fitting, for permanent installation. Fits any 1 ½" FIP hub	50	20 lbs.
SP1430T	—	JetAir Nozzle Removal Tool	25	11 lbs.
SP14311	1 ½" MIP x 1 ½" FIP	JetAir Fitting. For in-pool installation. Removable 18" air supply tube with cap and SP1420	25	25 lbs.
SP1433	1 ½" FIP	JetAir Fitting Package. Includes SP1430 JetAir Fitting, SP1022 Receptacle, SP1420 Nozzle	50	34 lbs.
SP1433S	1 ½" SKT	Same as SP1433, except includes SP1430S	50	34 lbs.
Turbo-Boost Jets				
SP1450T	1 ½" SKT	Turbo-Boost Spa Jet Fitting. Includes body with high flow directional nozzle, bulkhead fitting, gasket and 1 ½" sweep elbow	20	36 lbs.
SP1450WP2	—	Winterizing Plug with O-ring. For SP1450T Series	10	5 lbs.

Spa Skimmer Buying Guide

Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
Surface Skimmers				
SP1099S	1 ½" SKT x 2" SLIP	Front Access Spa Skimmer with gasket, 1 ¼" screws, washers, nuts and face cover plate (white)	1	3 lbs.

Spa Blower Buying Guide

Hayward Spa Blowers feature a unique rubber motor base for exceptionally quiet performance. Available in various voltages and horsepower ratings and designed for extended life, making it easy to find a match for any application.

Model Number	Horsepower	Voltage	Ctn. Qty.	Ctn. Weight
SPB101	1.0 H.P.	115 VAC	1	9 lbs.
SPB102	1.0 H.P.	230 VAC	1	9 lbs.
SPB151	1.5 H.P.	115 VAC	1	9 lbs.
SPB152	1.5 H.P.	230 VAC	1	9 lbs.
SPB201	2.0 H.P.	115 VAC	1	9 lbs.
SPB202	2.0 H.P.	230 VAC	1	9 lbs.



White Goods

For replacement parts see page 328.

Cleaning Equipment

POWER-VAC™ AND SUPER-VAC™

OPEN LINE



SP1068 Super-Vac



SP1067 Power-Vac

The Hayward Power-Vac and Super-Vac family of vacuum cleaning heads are molded of tough, durable thermoplastic and are engineered to handle all types and sizes of swimming pools. The 360° swivel hose connector allows you to easily maneuver the vac head in the pool, while the "see-thru" head lets you view the bottom while cleaning. These deluxe vac heads are the industry standard.

Applications

- In-ground pools
- Above-ground pools

Features

- "See-thru" design for fast and easy cleaning
- Long-wearing brushes quickly loosen tough algae spots
- Contoured shape provides for easy corner and step cleaning
- 360° swivel connector ends aggravating hose tangling
- Optional weight package for extra vacuuming convenience
- Supplied in professional point-of-sale packaging

Vacuum Cleaner Head Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
Vinyl, Fiberglass Pools			
SP1067	12" Circular Vacuum Head. Wrap-around brush (1-piece). 1 ½" hose connection. Quick-snap handle connector.	5	16 lbs.
SP1068	See-thru Triangular Vacuum Head with 3 brushes. 1 ¼" and 1 ½" swivel hose connections included. Optional weights. Quick-snap handle connector. For in-ground and above-ground applications.	10	33 lbs.
SP1068DL	Deluxe Vacuum Head that includes the SP1068 package and three (3) ⅓ lb. weights	10	43 lbs.
Accessory			
SP1068FA	1 lb. Weight Pak (3 ⅓ lb. weights) for SP1068, SP1069	25	25 lbs.

For replacement parts see page 320.

2023 REPLACEMENT PARTS



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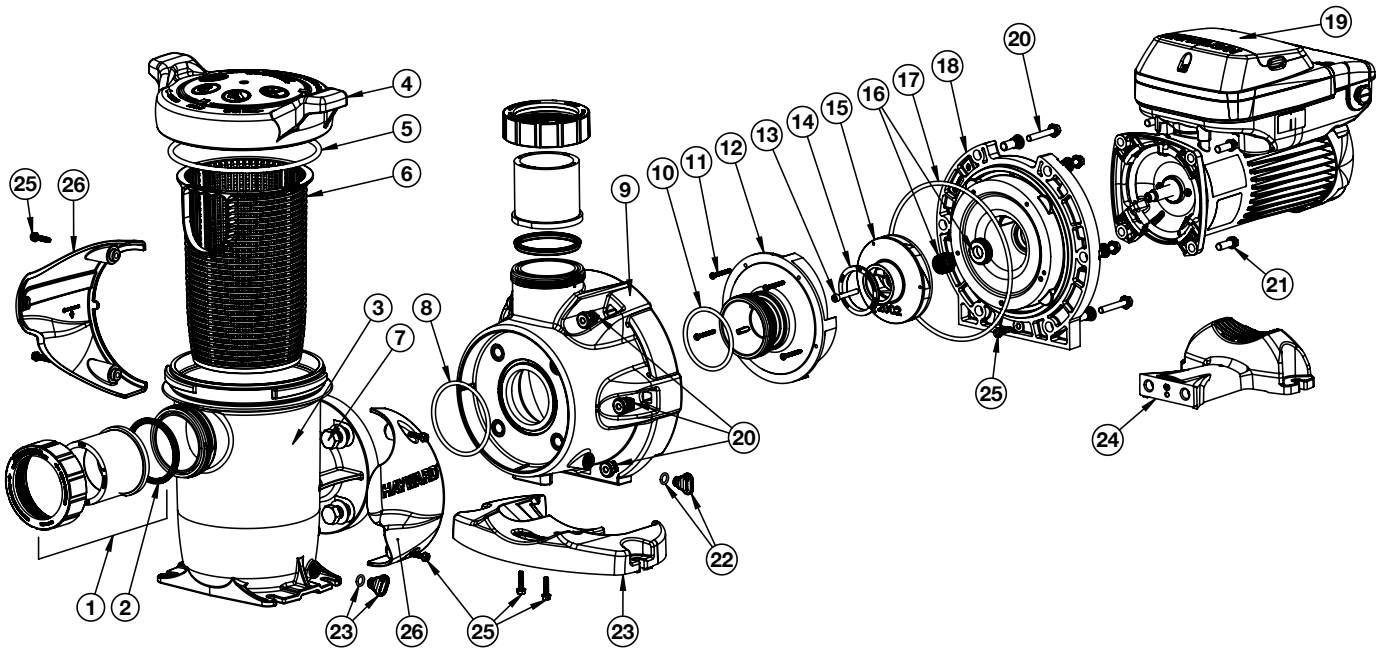
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NOTE: The number that appears in the "CTN. QTY." (Carton Quantity) is the pre-packaged, recommended ordering quantity for a part. The List Prices shown do not necessarily represent the prices that products are sold for to retail customers.

Part Diagram and Parts Listing

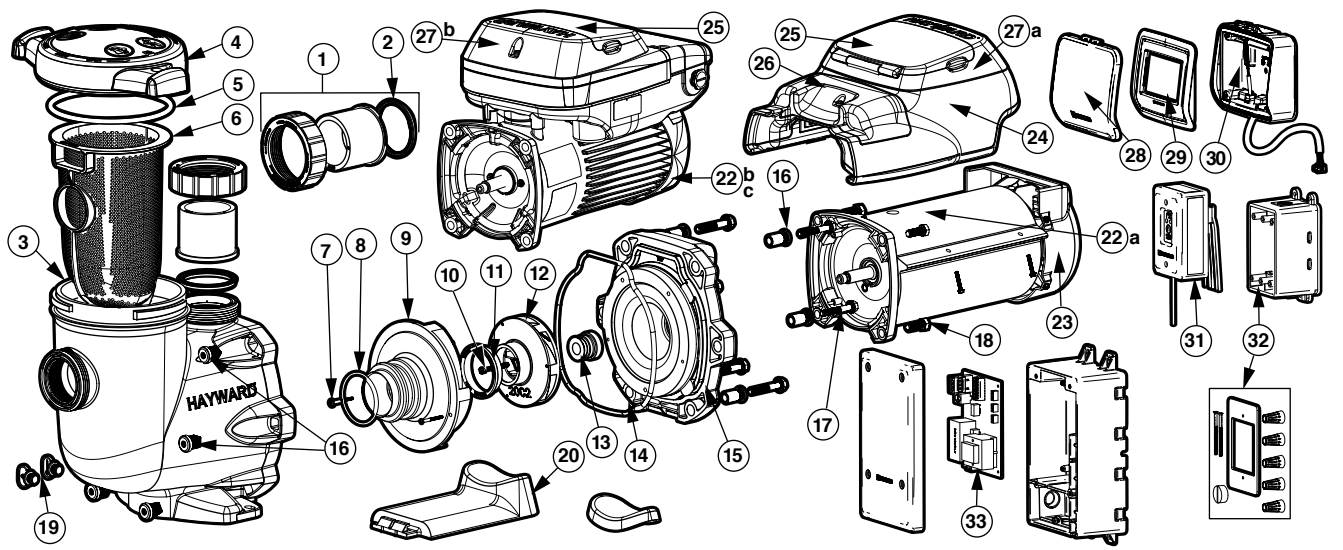


Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	HCXP3000UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket *(2 each)*	5	**$180.90**
2	HCXP3000UG	Union Gasket	10	**37.12**
3	HCXP3000H	Strainer Housing with Drain Plug	1	**391.35**
4	HCXP3000DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	5	**130.42**
5	SPX4000S	Strainer Cover O-Ring	50	**42.57**
6	HCXP3000M	Strainer Basket	1	**93.23**
7	HCXP3000Z3	Strainer Housing Flange Bolt/Washer *(4 each)*	10	**Discont'd**
8	HCXP343V70	Strainer Housing Flange O-Ring	10	**18.64**
9	HCXP3000A	Pump Housing with Drain Plug	1	**219.92**
10	HCXP338V60	Diffuser O-Ring	10	**41.06**
11	SPX2700Z3SSPAK4	Diffuser Screws *(4 Pack)*	10	**Discont'd**
12	HCXP3000B	Diffuser, 2 – 5 HP	1	**182.60**
13	SPX3200Z1	Impeller Screw	50	**9.46**
14	HCXP3000R	Impeller Ring, 2 – 5 HP	10	**18.45**
15	HCXP3020C	2 HP Impeller with Impeller Screw	10	**107.56**
16	SPX4000SAV	Shaft Seal Assembly	10	**56.24**
17	HCXP369V70	Pump Housing O-Ring	10	**18.58**
18	HCXP3000E	Seal Plate	1	**182.60**
19	SPX3200LCD	Digital Control Interface Assembly	1	**573.59**
20	SPX3200Z3	Housing Bolt	50	**6.23**
21	SPX3200Z34PAK4	Motor Bolt *(4 Pack)*	10	**Discont'd**
22	SPX4000FG	Housing Plug With Gasket	50	**6.11**
23	HCXP3000F	Pump Housing Base	10	**72.07**
24	HCXP3000G	Motor Support Base	10	**72.07**
25	SPX1600Z5SS	Base Screws *(7 Pack)*	10	**Discont'd**
26	HCXP3000N250	Right and Left Side Plate Set, Platinum	5	**82.86**
—	HCXP3020Z1VSPE	Motor Power End	1	**2,877.17**

Tristar® VS 900/950 Omni®

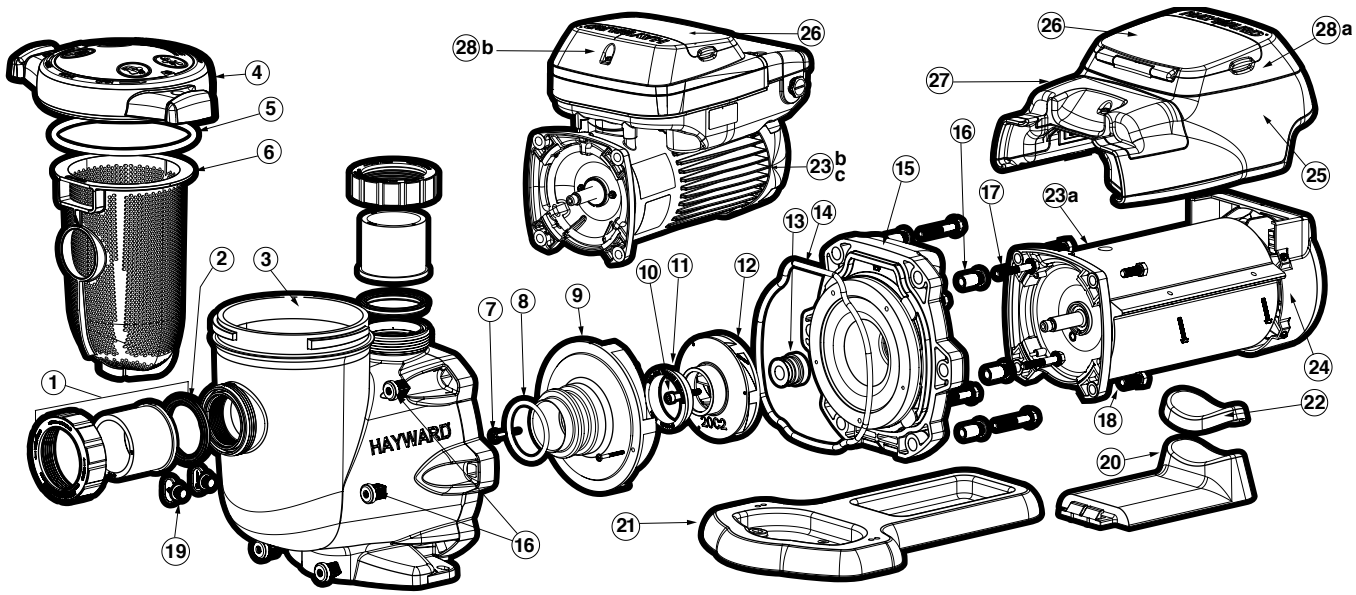
PUMP SERIES REPLACEMENT PARTS

Parts for Pump Models: HL32950VSP, HL32900VSP



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.)	10	**$66.70**
2	SPX3200UG	Union Gasket	100	**17.46**
3	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style	1	**425.78**
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10	**113.54**
5	SPX3200S	Strainer Cover O-Ring	50	**19.30**
6	SPX3200M	Strainer Basket	2	**25.93**
7	SPX3200Z8	Diffuser Screw	50	**15.14**
8	SPX4000Z1	Diffuser O-Ring	50	**17.29**
9	SPX3200B3	Diffuser	5	**56.31**
10	SPX3200Z1	Impeller Screw	50	**9.46**
11	SPX3021R	Impeller Ring	50	**8.10**
12	SPX3220C	Impeller with Impeller Screw, TriStar VS 950	10	**72.32**
12	SPX3210C	Impeller with Impeller Screw, TriStar VS 900	10	**52.37**
13	SPX4000SAV	Viton® Shaft Seal Assembly	10	**56.24**
14	SPX3200T	Housing O-Ring	50	**14.90**
15	SPX3200E	Seal Plate	5	**73.55**
16	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	50	**33.36**
17	SPX3200Z3	Housing Bolt	50	**6.23**
18	SPX3200Z5PAK4	Motor Bolt Kit	50	**14.21**
19	SPX4000FG	Drain Plug with O-Ring	50	**6.11**
20	SPX3200GA	Bracket, Motor Support	5	**56.98**
21	SPX3200WF	Riser Base Aligns with Pentair® WhisperFlo® Ports	1	**54.96**
21	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1	**53.92**
22a	SPX3400Z1ECM	Motor Assembly, TriStar VS 950 (before January 2019)	1	**1,056.08**
22b	SPX3206Z1VSPE	Power End Assembly, TriStar VS 950	1	**2,677.65**
22c	SPX3202Z1VSPE	Power End Assembly, TriStar VS 900	1	**2,061.31**
23	SPX3400FAN	Motor Fan Shroud, TriStar VS 950 (before January 2019)	5	**42.92**
24	SPX3400DR	Motor Drive, TriStar VS 950 (Includes Digital Control Interface, before January 2019)	1	**1,476.93**
25	SPX3400DR4	Motor Drive Display Cover	5	**57.22**
26	SPX3400DR2	Motor Drive Wiring Cover, TriStar VS 950 (before January 2019)	5	**120.75**
27a	SPX3400LCD	Digital Control Interface Assembly, TriStar VS 950 (before January 2019)	1	**590.70**
27b	SPX3200LCD	Digital Control Interface Assembly (after January 2019)	1	**573.59**
28	HLXDCOVER	Sun Cover Replacement	5	**36.66**
29	HLXDLCD	LCD Disp Replacement	5	**256.77**
30	HLXDSPCASE	Case Replacement	1	**77.91**
31	HLX485RELAY	Replacement RS485 Relay	1	**389.58**
32	HLXJBOX	Replacement Jbox	1	**37.75**
33	HLXHIOPCB	OmniHub PCB	1	**301.63**
—	HLXHW5PK	OmniHub Hardware – Not Shown *(5 pack)*	10	**36.66**
—	HLXWHIP6	Omni 6 ft. Whip – Not Shown	5	**86.72**
—	SPX3400DRKIT	Wall Mount Kit for Digital Control Interface	5	**162.22**
—	SPX3400DRCBL	Wall Mount Display Cable	5	**81.40**
—	SPXHKIT100	H-KIT Quick Pump Repair (Includes items 5, 8, 13, 14 and Jack's Lube)	10	**48.21**
—	GLX-ACT-CONN	Actuator Connector	100	**17.11**
—	HLH485RELAY	Omni RS485 Smart Relay	1	**468.97**
—	HLX485100	RS485 100 ft. Extension	15	**205.04**
—	HLX485200	RS485 200 ft. Extension	5	**410.10**
—	HLXRLYLABL	Replacement Relay Label	10	**70.13**

Parts for Pump Models: SP32950VSP, SP32900VSP

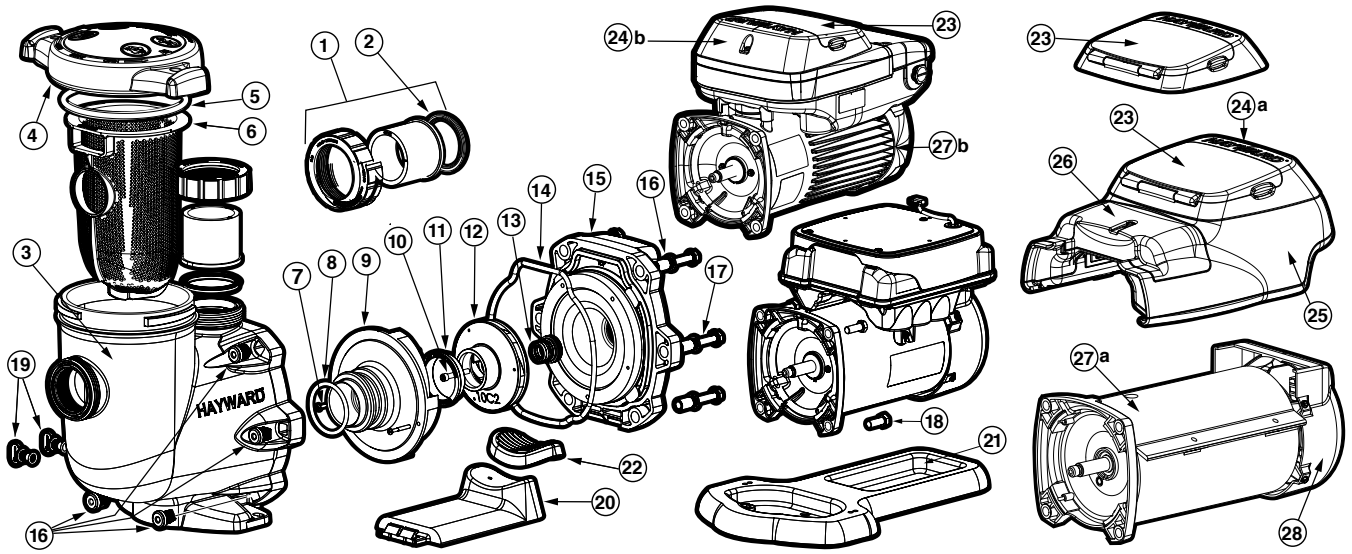


Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.)	10	**$66.70**
2	SPX3200UG	Union Gasket	100	**17.46**
3	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style	1	**425.78**
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10	**113.54**
5	SPX3200S	Strainer Cover O-Ring	50	**19.30**
6	SPX3200M	Strainer Basket	2	**25.93**
7	SPX3200Z8	Diffuser Screw	50	**15.14**
8	SPX4000Z1	Diffuser O-Ring	50	**17.29**
9	SPX3200B3	Diffuser	5	**56.31**
10	SPX3200Z1	Impeller Screw	50	**9.46**
11	SPX3021R	Impeller Ring	50	**8.10**
12	SPX3220C	Impeller with Impeller Screw, TriStar VS 950	10	**72.32**
12	SPX3210C	Impeller with Impeller Screw, TriStar VS 900	10	**52.37**
13	SPX4000SAV	Shaft Seal Assembly (Viton®)	10	**56.24**
14	SPX3200T	Housing O-Ring	50	**14.90**
15	SPX3200E	Seal Plate	5	**73.55**
16	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	50	**33.36**
17	SPX3200Z3	Housing Bolt	50	**6.23**
18	SPX3200Z5PAK4	Motor Bolt Kit	50	**14.21**
19	SPX4000FG	Drain Plug with O-Ring	50	**6.11**
20	SPX3200GA	Bracket, Motor Support	5	**56.98**
21	SPX3200WF	Riser Base Aligns with Pentair® WhisperFlo® Ports	1	**54.96**
	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1	**53.92**
22	SPX3200Q2	Adapter-Motor Support	100	**13.86**
23a	SPX3400Z1ECM	Motor Assembly, TriStar VS 950 (before January 2019)	1	**1,056.08**
23b	SPX3206Z1VSPE	Power End Assembly, TriStar VS 950	1	**2,677.65**
23c	SPX3202Z1VSPE	Power End Assembly, TriStar VS 900	1	**2,061.31**
24	SPX3400FAN	Motor Fan Shroud, TriStar VS 950 (before January 2019)	5	**42.92**
25	SPX3400DR	Motor Drive, TriStar VS 950 (Includes Digital Control Interface, before January 2019)	1	**1,476.93**
26	SPX3400DR4	Motor Drive Display Cover	5	**57.22**
27	SPX3400DR2	Motor Drive Wiring Cover, TriStar VS 950 (before January 2019)	5	**120.75**
28a	SPX3400LCD	Digital Control Interface Assembly (before January 2019)	1	**590.70**
28b	SPX3200LCD	Digital Control Interface Assembly, TriStar VS 950 (after January 2019)	1	**573.59**
—	SPX3400DRKIT	Wall Mount Kit for Digital Control Interface	5	**162.22**
—	SPX3400DRCBL	Wall Mount Display Cable	5	**81.40**
—	SPXHKIT100	H-KIT Quick Pump Repair (Includes items 5, 8, 13, 14 and Jack's Lube)	10	**48.21**
—	GLX-ACT-CONN	Actuator Connector	100	**17.11**
—	SPX3200DRCC	Communication Cable for VS Pump	5	**52.79**

TriStar® VS

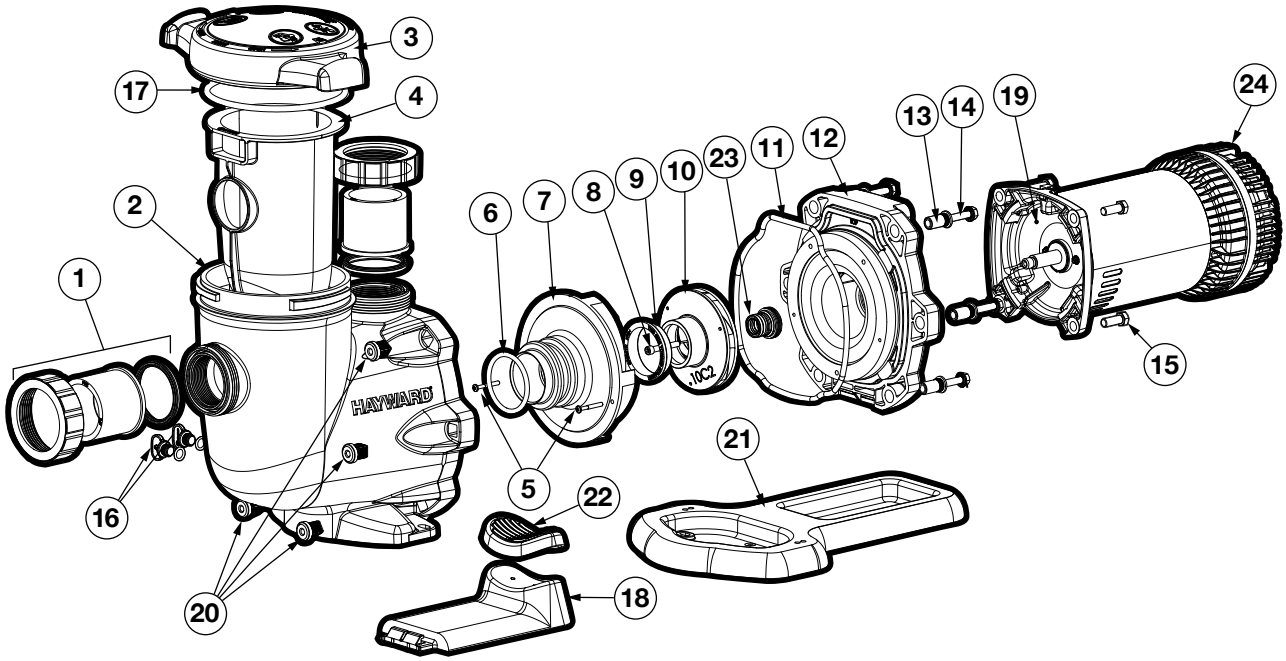
SP3200VSP PUMP SERIES REPLACEMENT PARTS

Parts for Pump Models: SP3200VSP, (W3)SP3202VSP, SP3200VSPND, SP3202VSPND, (W3)SP3206VSP, SP3206VSPVR



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.)	10	**$66.70**
2	SPX3200UG	Union Gasket (T-seal) *(2 per)*	100	**17.46**
3	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style	1	**425.78**
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10	**113.54**
5	SPX3200S	Strainer Cover O-Ring	50	**19.30**
6	SPX3200M	Strainer Basket	2	**25.93**
7	SPX3200Z8	Diffuser Screws *(2 per)*	50	**15.14**
8	SPX4000Z1	Diffuser O-Ring	50	**17.29**
9	SPX3200B3	Diffuser	5	**56.31**
10	SPX3200Z1	Impeller Screw	50	**9.46**
11	SPX3021R	Impeller Ring	50	**8.10**
12	SPX3210C	Impeller with Impeller Screw (SP3200VSP, SP3202VSP, SP3200VSPND, SP3202VSPND, W3SP3202VSP)	10	**52.37**
—	SPX3220C	Impeller with Impeller Screw (SP3206VSP, SP3206VSPVR, W3SP3206VSP)	10	**72.32**
13	SPX3200SA	Shaft Seal Assembly	10	**35.65**
14	SPX3200T	Housing O-Ring	50	**14.90**
15	SPX3200E	Seal Plate	5	**73.55**
16	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	50	**33.36**
17	SPX3200Z3	Housing Bolt	50	**6.23**
18	SPX3200Z5PAK4	Motor Bolt Kit	50	**14.21**
19	SPX4000FG	Drain Plug with O-Ring	50	**6.11**
20	SPX3200GA	Bracket, Motor Support	5	**56.98**
21	SPX3200WF	Riser Base Aligns with Inlet Port of Pentair® WhisperFlo® Pump	1	**54.96**
	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1	**53.92**
22	SPX3200Q2	Adapter-Motor Support	100	**13.86**
23	SPX3400DR4	Motor Drive Display Cover (Cover only)	5	**57.22**
24a	SPX3400LCD	Digital Control Interface (SP3206VSP and SP3206VSPR, before January 2019)	1	**590.70**
24b	SPX3200LCD	Digital Control Interface Assembly (1.85 hp [all], 2.7 hp [after January 2019])	1	**573.59**
25	SPX3400DR	Motor Drive – Includes Digital Control Interface (SP3206VSP)	1	**1,476.93**
	SPX3400DRVR	Motor Drive, SVRS – Includes Digital Control Interface (SP3206VSPVR)	1	**1,912.91**
26	SPX3400DR2	Motor Drive Wiring Cover	5	**120.75**
27a	SPX3400Z1ECM	Motor Assembly (before January 2019)	1	**1,056.08**
27b	SPX3206Z1VSPE	Power End Assembly for (W3)SP3206VSP (after January 2019)	1	**2,677.65**
28	SPX3400FAN	Motor Fan Shroud (before January 2019)	5	**42.92**
—	SPX3400DRKIT	Wall Mount Kit	5	**162.22**
—	SPX3400DRCBL	Wall Mount Display Cable	5	**81.40**
—	SPXHKIT100	H-KIT Quick Pump Repair for TriStar® (Includes items 5, 8, 13, 14 and Jack's Lube)	10	**48.21**
—	SPX3202Z1VSPE	Power End Assembly for W3SP3202VSP, SP3202VSP(ND), SP3200VSP(ND)	1	**2,061.31**
—	SPX3200DRCC	Communication Cable for VS Pump	5	**52.79**

Parts for Pump Models: SP3207X10XE, SP3210X15XE, SP3215X20XE



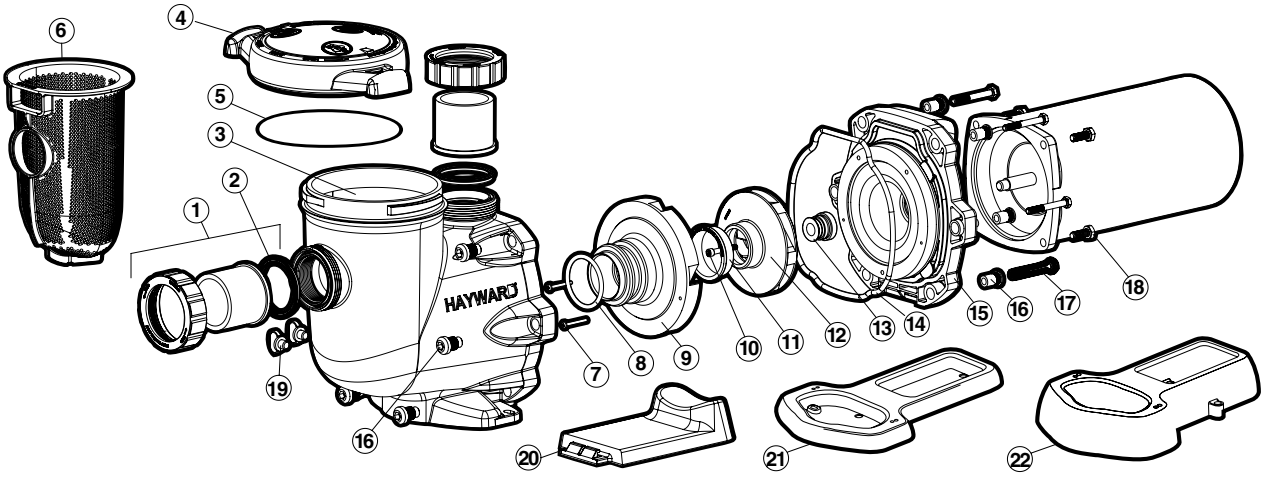
Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX3200UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10	**$66.70**
2	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs	1	**425.78**
3	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10	**113.54**
4	SPX3200M	Strainer Basket	2	**25.93**
5	SPX3200Z8	Diffuser Screw	50	**15.14**
6	SPX4000Z1	Diffuser O-Ring	50	**17.29**
7	SPX3200B3	Diffuser	5	**56.31**
8	SPX3200Z1	Impeller Screw	50	**9.46**
9	SPX3021R	Impeller Ring	50	**8.10**
10a	SPX3207C	1.25 THP Impeller with Impeller Screw	10	**50.33**
10b	SPX3210C	1.85 THP Impeller with Impeller Screw	10	**52.37**
10c	SPX3215C	2.25 THP Impeller with Impeller Screw	10	**61.75**
11	SPX3200T	Housing O-Ring	50	**14.90**
12	SPX3200E	Seal Plate	5	**73.55**
13	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	50	**33.36**
14	SPX3200Z3	Housing Bolt	50	**6.23**
15	SPX3200Z5PAK4	Motor Bolt *(package of 4)*	50	**14.21**
16	SPX4000FG	Drain Plug with O-Ring	50	**6.11**
17	SPX3200S	Strainer O-Ring	50	**19.30**
18	SPX3200GA	Motor Support	5	**56.98**
19a	SPX3207X10XEPE	1.25 H.P. Power End (Includes items 5–12, 15, 18, 19, 22, 23)	1	**1,616.94**
19b	SPX3210X15XEPE	1.85 H.P. Power End (Includes items 5–12, 15, 18, 19, 22, 23)	1	**1,751.70**
19c	SPX3215X20XEPE	2.25 H.P. Power End (Includes 5–12, 15, 18, 19, 22, 23)	1	**1924.26**
20	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	50	**33.36**
21a	SPX3200WF	Optional Riser Base (aligns with Pentair® WhisperFlo® pump)	1	**54.96**
21b	SPX3200SR	Optional Riser Base (aligns with Pentair WhisperFlo pump)	1	**53.92**
22	SPX3200Q2	Motor Support Adapter	100	**13.86**
23a	SPX3200SA	Shaft Seal Assembly	10	**35.65**
23b	SPX4000SAV	Shaft Seal Assembly (Viton®)	10	**56.24**
24	SPXBTNXE	XE Button Replacement	1	**68.94**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

TriStar®

SP3200EE PUMP SERIES (ENERGY EFFICIENT, FULL-RATED) REPLACEMENT PARTS

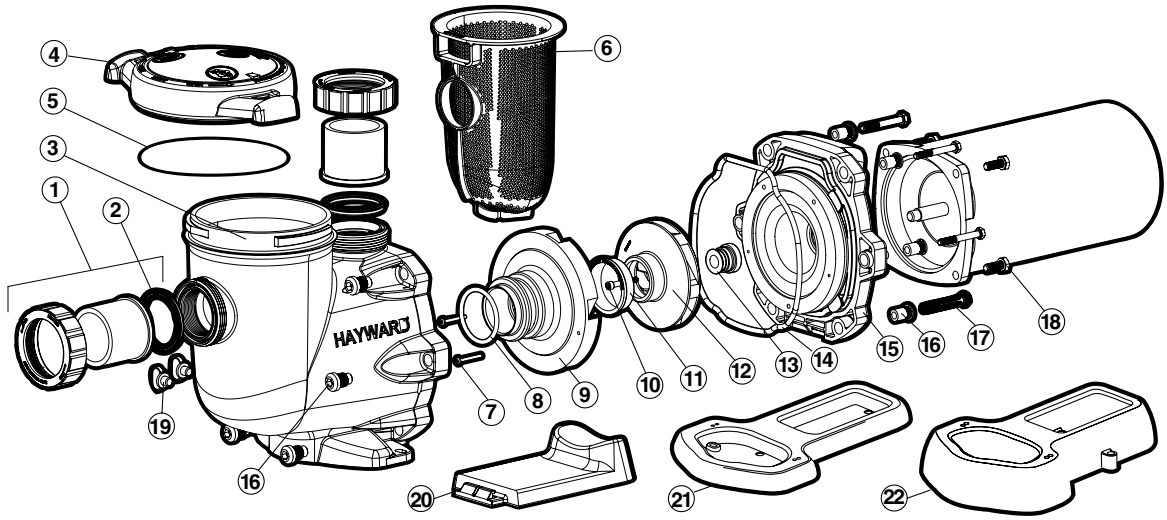
Parts for Pump Models: SP3205EE, SP3207EE, SP3210(2)EE, SP3215(2)EE, SP3220(2)EE, SP3250EE, SP323063EE, SP36075EE, SP36120EE



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.)	10	**$66.70**
2	SPX3200UG	Union Gasket (T-seal) *(2 per)*	100	**17.46**
3	SPX3200A	Pump Strainer Housing, 2" x 2" with Drain Plugs, Threaded Style	1	**425.78**
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10	**113.54**
5	SPX3200S	Strainer Cover O-Ring	50	**19.30**
6	SPX3200M	Strainer Basket	2	**25.93**
7	SPX3200Z8	Diffuser Screws *(2 per)*	50	**15.14**
8	SPX4000Z1	Diffuser O-Ring	50	**17.29**
9	SPX3200B3	Diffuser	5	**56.31**
10	SPX3200Z1	Impeller Screw	50	**9.46**
11	SPX3021R	Impeller Ring	50	**8.10**
12	SPX3205C	Impeller for 1/2 H.P. with Impeller Screw	10	**50.33**
12	SPX3207CM	Impeller for 3/4 H.P. with Impeller Screw	10	**47.94**
12	SPX3210C	Impeller for 1 H.P. with Impeller Screw	10	**52.37**
12	SPX3215C	Impeller for 1 1/2 H.P. with Impeller Screw	10	**61.75**
12	SPX3220C	Impeller for 2 H.P. with Impeller Screw	10	**72.32**
12	SPX3230C	Impeller for 3 H.P. with Impeller Screw	10	**72.32**
12	SPX3230C5	Impeller for 5 H.P. with Impeller Screw	10	**72.32**
12	SPX3230CU	Impeller for 120 GPM Waterfall with Impeller Screw	10	**70.91**
13	SPX3200SA	Shaft Seal Assembly	10	**35.65**
14	SPX3200T	Housing O-Ring	50	**14.90**
15	SPX3200E	Seal Plate	5	**73.55**
16	SPX3200Z211	Housing Insert and Seal Plate Spacer Kit	50	**33.36**
17	SPX3200Z3	Housing Bolt	50	**6.23**
18	SPX3200Z5PAK4	Motor Bolt Kit	50	**14.21**
19	SPX4000FG	Drain Plug with O-Ring	50	**6.11**
20	SPX3200GA	Bracket, Motor, Support	5	**56.98**
21	SPX3200WF	Riser Base Aligns with Pentair® WhisperFlo® Ports	1	**54.96**
22	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1	**53.92**
—	SPXHKIT100	H-KIT Quick Pump Repair for TriStar (Includes items 5, 8, 13, 14 and Jack's Lube)	10	**48.21**
	Power Ends*/Motor Part No.			
	SPX3205Z1PE/SPX3205Z1BER	1/2 H.P. Energy Efficient Full Rate	1	**$724.65/502.55**
	SPX3207Z1PE/SPX3207Z1BER	3/4 H.P. Energy Efficient Full Rate	1	**766.37/537.84**
	SPX3210Z1PE/SPX3210Z1BER	1 H.P. Energy Efficient Full Rate	1	**797.61/546.90**
	SPX3215Z1PE/SPX3215Z1BER	1 1/2 H.P. Energy Efficient Full Rate	1	**794.48/592.58**
	SPX3220Z1PE/SPX3220Z1BER	2 H.P. Energy Efficient Full Rate	1	**943.35/Discont'd**
	SPX3230Z1PE/SPX3230Z1BER	3 H.P. Energy Efficient Full Rate	1	**1,229.45/Discont'd**
	SPX3250Z1PE/SPX3240Z1MER	5 H.P. Energy Efficient Full Rate	1	**1,515.00/1,167.69**
	SPX3210Z2PE/SPX3210Z2BER	1 H.P. 2 speed Energy Efficient Full Rate	1	**965.88/695.43**
	SPX3215Z2PE/SPX3215Z2BER	1 1/2 H.P. 2 speed Energy Efficient Full Rate	1	**1,179.14/881.63**
	SPX3220Z2PE/SPX3220Z2BER	2 H.P. 2 speed Energy Efficient Full Rate	1	**1,434.48/1,108.06**
	SPX3220Z1PE3V/SPX3220Z1DRV	2 H.P. 3 phase Energy Efficient Full Rate	1	**807.68/743.42**
	SPX3230Z1PE3	3 H.P. 3 phase Energy Efficient Full Rate	1	**858.80**
	SPX3605Z1BER	Motor – Waterfall 75–120 GPM	1	**838.12**

NOTE: *Power End includes Motor, Seal Plate, Seal Diffuser (Includes Ref. #7–18 and Motor)
Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

Parts for Pump Models: SP3205X7, (W3)SP3207X10, (W3)SP3210X15(2), (W3)SP3215X20(2), SP3220X25(2), SP3225X30



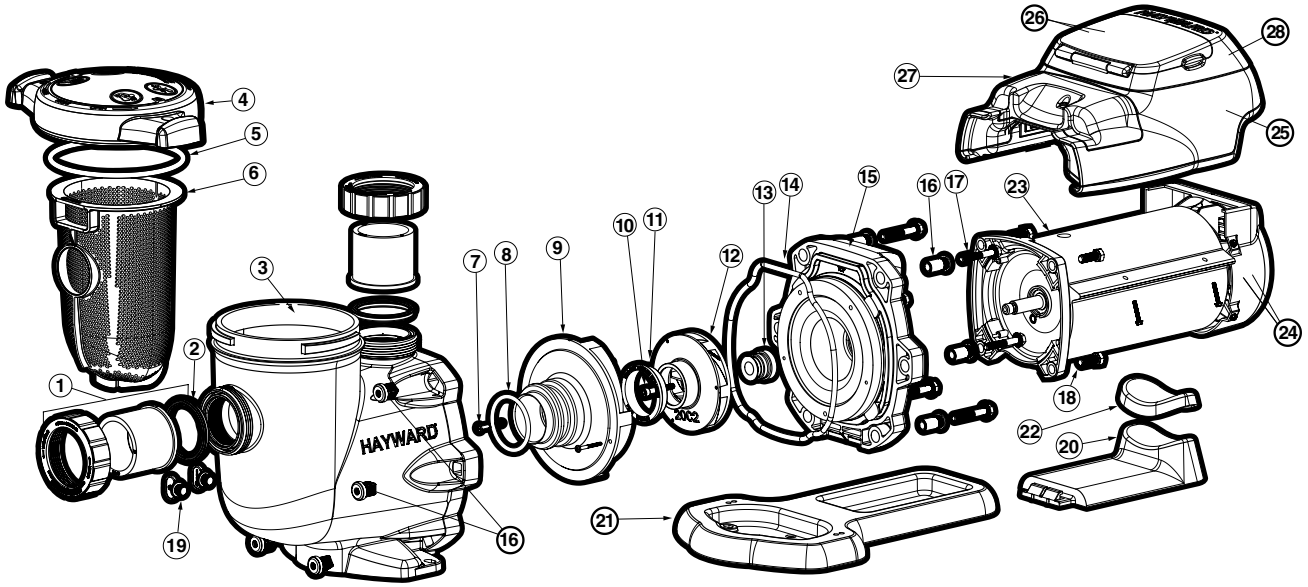
Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX3200UNKIT	Union Connector Kit (Includes Nut, Connector, Gasket)	10	**$66.70**
2	SPX3200UG	Union Gasket (T-seal), 50 duro EPDM *(2 per pack)*	100	**17.46**
3	SPX3200A	Pump Strainer Housing, 2" x 2" with Drain Plugs, threaded style	1	**425.78**
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10	**113.54**
5	SPX3200S	Strainer Cover O-Ring	50	**19.30**
6	SPX3200M	Strainer Basket	2	**25.93**
7	SPX3200Z8	Diffuser Screws *(2 per)*	50	**15.14**
8	SPX4000Z1	Diffuser O-Ring	50	**17.29**
9	SPX3200B3	Diffuser	5	**56.31**
10	SPX3200Z1	Impeller Screw	50	**9.46**
11	SPX3021R	Impeller Ring	50	**8.10**
12	SPX3205C	Impeller for 3/4 H.P. with Impeller Screw	10	**50.33**
12	SPX3207CM	Impeller for 1 H.P. with Impeller Screw	10	**47.94**
12	SPX3210C	Impeller for 1 1/2 H.P. with Impeller Screw	10	**52.37**
12	SPX3215C	Impeller for 2 H.P. with Impeller Screw	10	**61.75**
12	SPX3220CM	Impeller for 2 1/2 H.P. with Impeller Screw	10	**72.24**
12	SPX3230C	Impeller for 3 H.P. with Impeller Screw	10	**72.32**
13	SPX3200SA	Shaft Seal Assembly	10	**35.65**
14	SPX3200T	Housing O-Ring	50	**14.90**
15	SPX3200E	Seal Plate	5	**73.55**
16	SPX3200Z211	Housing Insert and Seal Plate Spacer Kit	50	**33.36**
17	SPX3200Z3	Housing Bolt	50	**6.23**
18	SPX3200Z5PAK4	Motor Bolt Kit	50	**14.21**
19	SPX4000FG	Drain Plug with O-Ring	50	**6.11**
20	SPX3200GA	Bracket, Motor, Support	5	**56.98**
21	SPX3200WF	Riser Base Aligns with Pentair® WhisperFlo® Ports	1	**54.96**
22	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1	**53.92**
—	SPXHKIT100	H-KIT Quick Pump Repair for TriStar (Includes items 5, 8, 13, 14 and Jack's Lube)	10	**48.21**
	Power Ends*/Motor Part No.			
	SPX3205X7Z1PE/SPX3205Z1MR	3/4 H.P. Standard Efficient Max Rate	1	**$556.73/Discont'd**
	SPX3207X10Z1PE/SPX3207Z1MR	1 H.P. Standard Efficient Max Rate	1	**597.11/Discont'd**
	SPX3210X15Z1PE/SPX3210Z1MR	1 1/2 H.P. Standard Efficient Max Rate	1	**654.68/Discont'd**
	SPX3215X20Z1PE/SPX3215Z1MR	2 H.P. Standard Efficient Max Rate	1	**772.42/Discont'd**
	SPX3220X25Z1PE/SPX3220Z1MR	2 1/2 H.P. Standard Efficient Max Rate	1	**673.17/Discont'd**
	SPX3225X30Z1PE/SPX3225Z1MR	3 H.P. Standard Efficient Max Rate	1	**1,146.15/784.93**
	SPX3210X15Z2PE/SPX3210Z2MER	1 1/2 H.P. 2 speed Standard Efficient Max Rate	1	**968.84/695.43**
	SPX3215X20Z2PE/SPX3215Z2MER	2 H.P. 2 speed Standard Efficient Max Rate	1	**1,176.19/881.63**
	SPX3220X25Z2PE/SPX3220Z2MER	2 1/2 H.P. 2 speed Standard Efficient Max Rate	1	**1,380.36/1,046.70**

NOTE: *Power End includes Motor, Seal Plate, Seal Diffuser (Includes Ref. #7–18 and Motor)
Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

EcoStar®

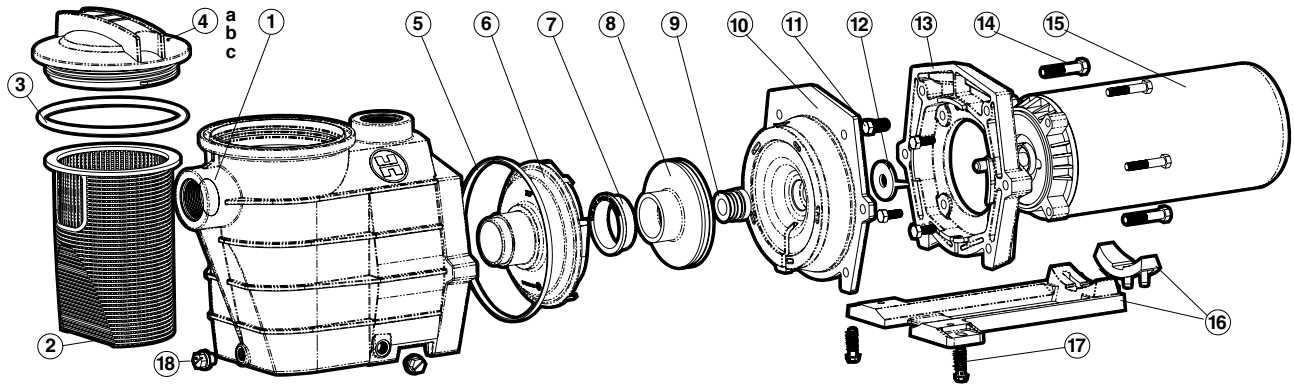
SP3400VSP PUMP SERIES REPLACEMENT PARTS

Parts for Pump Models: SP3400VSP, SP3400VSPVR



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.)	10	**$66.70**
2	SPX3200UG	Union Gasket	100	**17.46**
3	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style	1	**425.78**
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10	**113.54**
5	SPX3200S	Strainer Cover O-Ring	50	**19.30**
6	SPX3200M	Strainer Basket	2	**25.93**
7	SPX3200Z8	Diffuser Screw	50	**15.14**
8	SPX4000Z1	Diffuser O-Ring	50	**17.29**
9	SPX3200B3	Diffuser	5	**56.31**
10	SPX3200Z1	Impeller Screw	50	**9.46**
11	SPX3021R	Impeller Ring	50	**8.10**
12	SPX3220C	Impeller with Impeller Screw	10	**72.32**
13	SPX3200SA	Shaft Seal Assembly	10	**35.65**
14	SPX3200T	Housing O-Ring	50	**14.90**
15	SPX3200E	Seal Plate	5	**73.55**
16	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	50	**33.36**
17	SPX3200Z3	Housing Bolt	50	**6.23**
18	SPX3200Z5PAK4	Motor Bolt Kit	50	**14.21**
19	SPX4000FG	Drain Plug with O-Ring	50	**6.11**
20	SPX3200GA	Bracket, Motor Support	5	**56.98**
21	SPX3200WF	Riser Base Aligns with Pentair® WhisperFlo® Ports	1	**54.96**
21	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1	**53.92**
22	SPX3200Q	Adapter-Motor Support	100	**14.16**
23	SPX3400Z1ECM	Motor Assembly	1	**1,056.08**
24	SPX3400FAN	Motor Fan Shroud	5	**42.92**
25	SPX3400DR	Motor Drive (Includes Digital Control Interface)	1	**1,476.93**
25	SPX3400DRVR	Motor Drive, SVRS (Includes Digital Control Interface)	1	**1,912.91**
26	SPX3400DR4	Motor Drive Display Cover	5	**57.22**
27	SPX3400DR2	Motor Drive Wiring Cover	5	**120.75**
28	SPX3400LCD	Digital Control Interface Assembly	1	**590.70**
—	SPX3400DRKIT	Wall Mount Kit for Digital Control Interface	5	**162.22**
—	SPX3400DRCBL	Wall Mount Display Cable	5	**81.40**
—	SPXHKIT100	H-KIT Quick Pump Repair for EcoStar and TriStar (Includes items 5, 8, 13, 14 and Jack's Lube)	10	**48.21**
—	GLX-ACT-CONN	Actuator Connector	100	**17.11**
—	SPX3200DRCC	Communication Cable for VS Pump	5	**52.79**

Parts for Pump Models: SP3007(EEAZ) (EECA), SP3010(EEAZ), SP3015(EEAZ), SP3020(EEAZ), SP3025(EEAZ), SP3030(EEAZ)



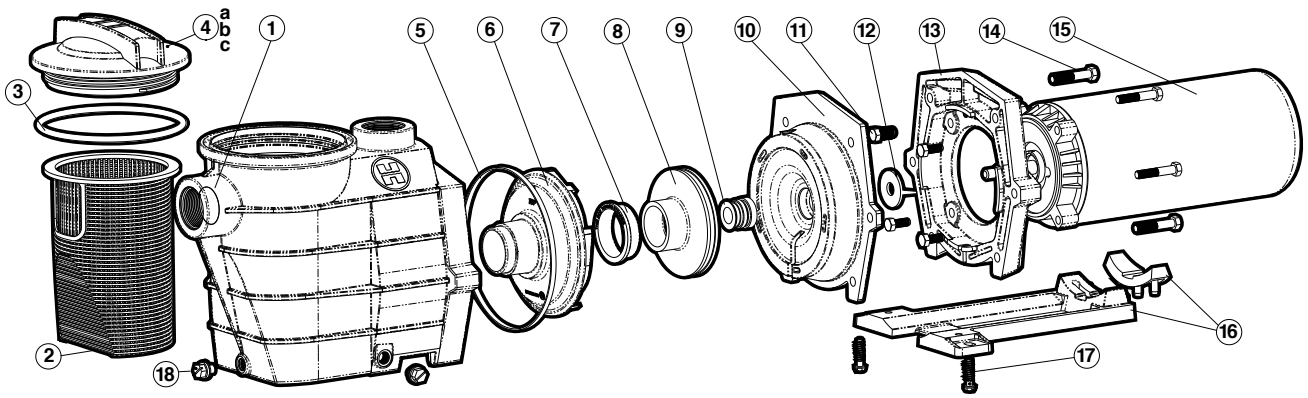
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SPX3000AA	Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs	1	1	**$436.12**
1	SPX3100AAZ	Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs, Threaded Style	1	1	**436.12**
1	SPX3020AA	Pump Housing/Strainer, 2" x 2", with Drain Plugs	1	1	**454.61**
1	SPX3120AAZ	Pump Housing/Strainer, 2" x 2", with Drain Plugs, Threaded Style	1	1	**441.71**
2	SPX3000M	Basket	5	1	**24.18**
3	SPX3000S	Strainer Cover O-Ring	20	1	**19.18**
4a	SPX3000D	Strainer Cover, Hand-Knob Style, Clear	10	1	**83.84**
4b	SPX3100D	Strainer Cover, Threaded Style	10	1	**83.05**
4c	SPX3100DB	Strainer Cover for Biguanide Sanitizers **NOT** Pressure Testable	10	1	**83.84**
—	SP3100T	Pump Lid Removal Tool	25	1	**27.36**
5	SPX3000T	Housing Gasket	20	1	**13.67**
—	SPX1600R	Diffuser Gasket - Not Shown	25	1	**5.07**
—	SPXHKIT2	H-KIT Quick Pump Repair for Super II (Includes items 3, 5, 9, SPX1600R and Jack's Lube)	10	1	**41.91**
6	SPX2600B	Diffuser, for 3/4 through 2 H.P. (1987 and Prior)	10	1	**47.45**
6	SPX3000BN	Diffuser, for 3/4 through 1 1/2 H.P. (after 1988)	10	1	**50.99**
6	SPX3000B	Diffuser, for 2 1/2 and 3 H.P. (1989 and Prior)	10	1	**52.50**
6	SPX3021B	Diffuser, for 2, 2 1/2 and 3 H.P. (after 1990)	10	1	**53.63**
7	SPX3005R	Impeller Ring – 3/4 through 1 1/2 H.P. (3000 Series Impellers only)	50	1	**7.46**
7	SPX3021R	Impeller Ring – 2 through 3 H.P. (3000 Series Impellers only)	50	1	**8.10**
9	SPX1600Z2	Seal Assembly	10	1	**30.41**
10	SPX3020E	Seal Plate for SP3000 Series Impellers	8	1	**68.53**
11	SPX0125Z44	Motor Cap Screw *(Set of 4)*	20	4	**12.78**
12	SPX0125F	Slinger	50	1	**5.05**
13	SPX3000F	Motor Mounting Plate	10	1	**67.79**
14	SPX1600Z4	Housing Cap Screw	25	6	**6.92**
—	SPX3000Z26	Washer, 3/8" – for cap screw *(Set of 6)* – Not Shown	1	6	**6.77**
16	SPX3000GA	Mounting Bracket with Adapter and 2 Cap Screws	10	1	**58.36**
17	SPX1600Z52	Mounting Foot Cap Screw *(Set of 2)*	1	2	**6.65**
18	SPX1600V	1/4" Drain Plug (1991 and Prior)	50	2	**3.03**
18	SPX4000FG	1/4" Drain Plug with Gasket	50	2	**6.11**
Parts listed below must be ordered for specific model and H.P.:					
8	SPX3016C	Impeller, for 1 1/2 H.P.	25	1	**$66.63**
8	SPX3021C	Impeller, for 2 H.P.	20	1	**72.32**
8	SPX3026C	Impeller, for 3 H.P.	20	1	**72.32**
15	SPX1607Z1BE	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**542.39**
15	SPX1610Z1BEE	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**562.63**
15	SPX1615Z1BEE	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**674.00**
15	SPX1620Z1BEE	Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	1	**815.32**
15	SPX1625Z1M	Motor, 3 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	1	**1,093.95**
15	SPX0160Z1D	Motor, 3 H.P., Threaded Shaft (Three Phase, 60 Cycle 230/460V)	1	1	**1,211.82**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

Super II™

SP3000X PUMP SERIES (MAX-RATED) REPLACEMENT PARTS

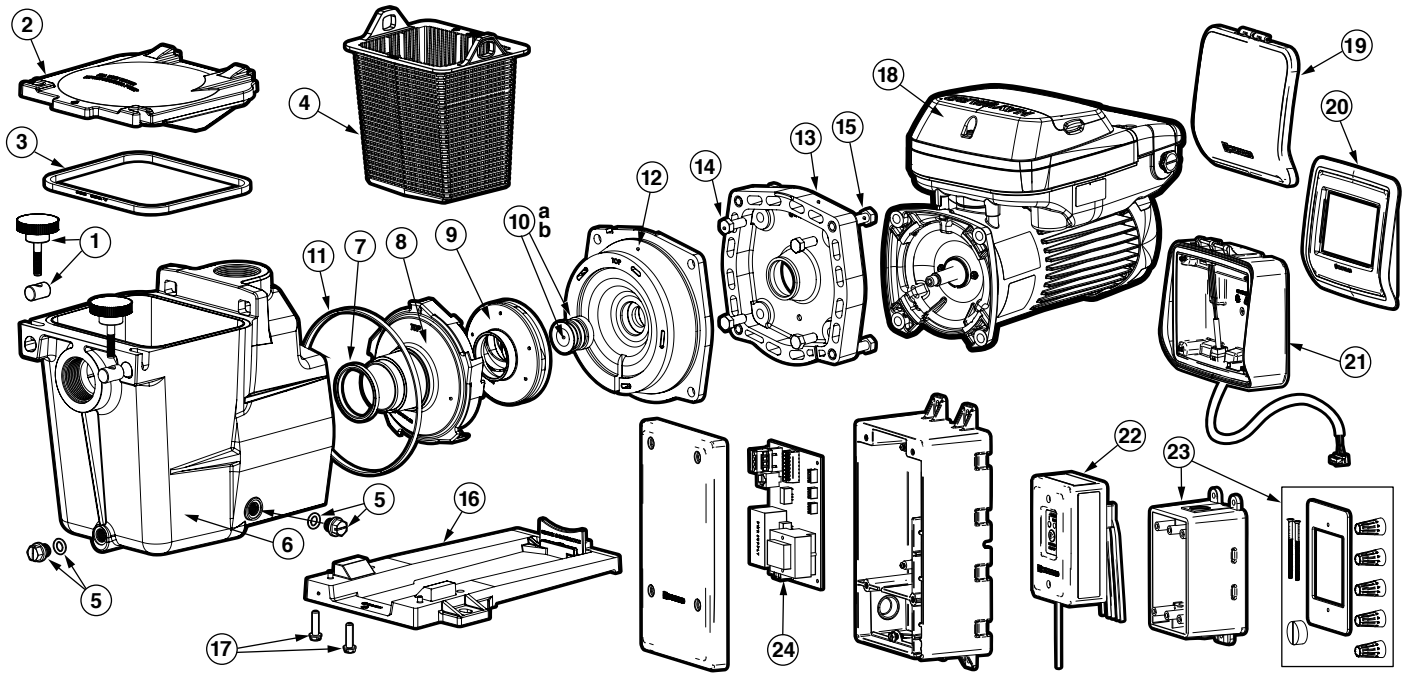
Parts for Pump Models: SP3005X7(AZ), (W3)SP3007X10(AZ)(2), (W3)SP3010X15(2)(AZ), (W3)SP3015X20(2)(AZ), (W3)SP3020X25(2)(AZ), SP3025X30(AZ)



Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SPX3000AA	Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs	1	1	**$436.12**
1	SPX3100AAZ	Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs, Threaded Style	1	1	**436.12**
1	SPX3020AA	Pump Housing/Strainer, 2" x 2", with Drain Plugs	1	1	**454.61**
1	SPX3120AAZ	Pump Housing/Strainer, 2" x 2", with Drain Plugs, Threaded Style	1	1	**441.71**
2	SPX3000M	Basket	5	1	**24.18**
3	SPX3000S	Strainer Cover O-Ring	20	1	**19.18**
4a	SPX3000D	Strainer Cover, Hand-Knob Style, Clear	10	1	**83.84**
4b	SPX3100D	Strainer Cover, Threaded Style	10	1	**83.05**
4c	SPX3100DB	Strainer Cover for Biguanide Sanitizers **NOT** Pressure Testable	10	1	**83.84**
—	SP3100T	Pump Lid Removal Tool	25	1	**27.36**
5	SPX3000T	Housing Gasket	20	1	**13.67**
—	SPX1600R	Diffuser Gasket – Not Shown	25	1	**5.07**
—	SPXHKIT2	H-KIT Quick Pump Repair for Super II (Includes items 3, 5, 9, SPX1600R and Jack's Lube)	10	1	**41.91**
6	SPX2600B	Diffuser, for 3/4 through 2 H.P. (1987 and Prior)	10	1	**47.45**
6	SPX3000BN	Diffuser, for 3/4 through 1 1/2 H.P. (after 1988)	10	1	**50.99**
6	SPX3000B	Diffuser, for 2 1/2 and 3 H.P. (1989 and Prior)	10	1	**52.50**
6	SPX3021B	Diffuser, for 2, 2 1/2 and 3 H.P. (after 1990)	10	1	**53.63**
7	SPX3005R	Impeller Ring – 3/4 through 2 H.P. (3000 Series Impellers only)	50	1	**7.46**
7	SPX3021R	Impeller Ring – 2 1/2 through 3 H.P. (3000 Series Impellers only)	50	1	**8.10**
9	SPX1600Z2	Seal Assembly	10	1	**30.41**
10	SPX3020E	Seal Plate for SP3000 Series Impellers	8	1	**68.53**
11	SPX0125Z44	Motor Cap Screw *(Set of 4)*	20	4	**12.78**
12	SPX0125F	Slinger	50	1	**5.05**
13	SPX3000F	Motor Mounting Plate	10	1	**67.79**
14	SPX1600Z4	Housing Cap Screw	25	6	**6.92**
—	SPX3000Z26	Washer, 3/8" – for cap screw *(Set of 6)* – Not Shown	1	6	**6.77**
16	SPX3000GA	Mounting Bracket with Adapter and 2 Cap Screws	10	1	**58.36**
17	SPX1600Z52	Mounting Foot Cap Screw *(Set of 2)*	1	2	**6.65**
18	SPX1600V	1/4" Drain Plug (1991 and Prior)	50	2	**3.03**
18	SPX4000FG	1/4" Drain Plug with Gasket	50	2	**6.11**
Parts listed below must be ordered for specific model and H.P.:					
8	SPX3016C	Impeller, for 2 H.P.	25	1	**$66.63**
8	SPX3021C	Impeller, for 2 1/2 H.P.	20	1	**72.32**
8	SPX3026C	Impeller, for 3 H.P.	20	1	**72.32**
15	SPX1605Z1M	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**430.70**
15	SPX1607Z1M	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**477.54**
15	SPX1610Z1M	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**536.85**
15	SPX1615Z1M	Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	1	**694.61**
15	SPX1620Z1M	Motor, 2 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	1	**815.49**
15	SPX1625Z1M	Motor, 3 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	1	**1,093.95**
15	SPX1610Z2M	Motor, 1 1/2 H.P., Threaded Shaft, 2-speed (Single Phase, 60 Cycle 230V)	1	1	**803.64**
15	SPX1615Z2M	Motor, 2 H.P., Threaded Shaft, 2-speed (Single Phase, 60 Cycle 230V)	1	1	**958.82**
15	SPX1620Z2M	Motor, 2 1/2 H.P., Threaded Shaft, 2-speed (Single Phase, 60 Cycle 230V)	1	1	**1,069.38**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

Parts for Pump Models: HL2670020VSP

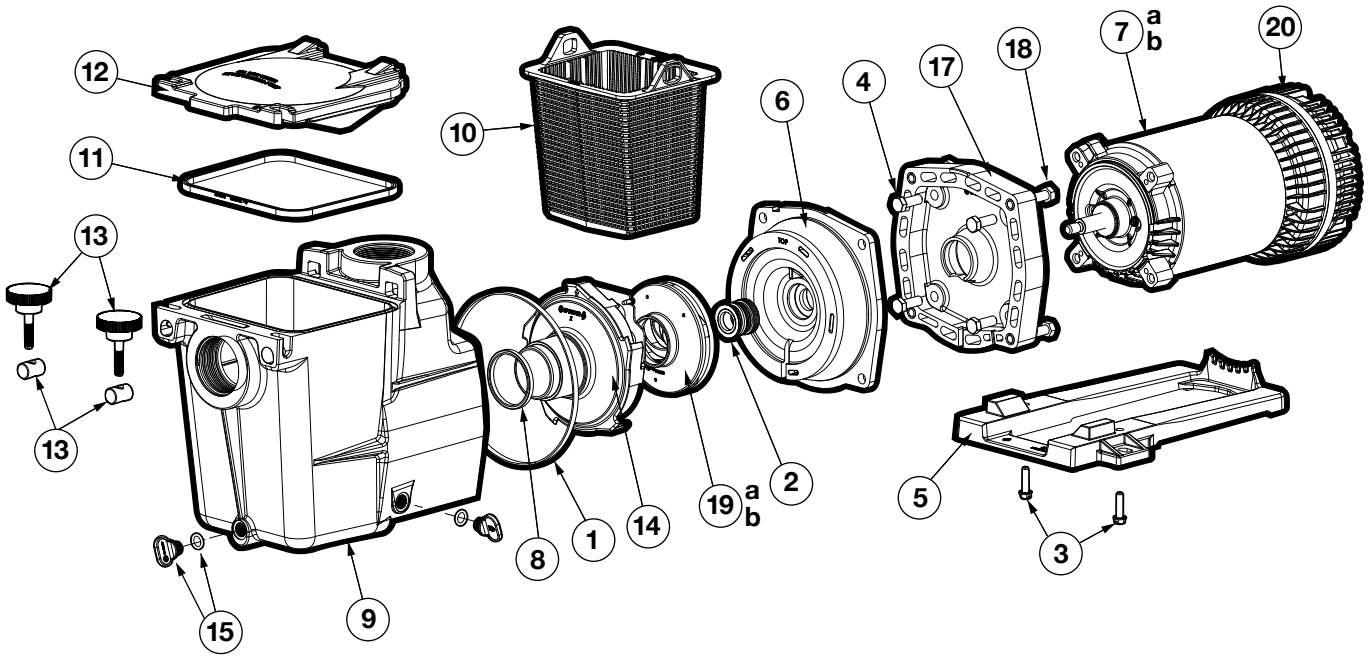


Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX1600PN	Swivel Nut and Hand Knob	100	**$20.17**
2	SPX1600D	Strainer Cover	10	**83.72**
3	SPX1600S	Strainer Cover Gasket	50	**15.22**
4	SPX1600M	Basket	20	**21.87**
5	SPX4000FG	Wingnut Drain Plug with Gasket	50	**6.11**
6	SPX1620AA	Pump/Strainer Housing with Gasket	1	**394.41**
7	SPX1600R	Diffuser Gasket	25	**5.07**
8	SPX2600B	Diffuser	10	**47.45**
9	SPX2610C	Impeller for SP2603VSP and SP2670010X15	20	**49.62**
	SPX2607C	Impeller for SP26115VSP and SP2670007X10	10	**48.31**
10	SPX1600Z2VIT	Viton® Shaft Seal Assembly	10	**34.37**
11	SPX1600T	Housing Gasket	50	**12.68**
12	SPX2600E5	Seal Plate	10	**63.21**
13	SPX1600F5	Motor Mounting Plate	10	**59.42**
14	SPX0125Z44	Motor Cap Screws *(Set of 4)*	20	**12.78**
15	SPX1600Z4	Housing Cap Screw	25	**6.92**
16	SPX2600G1	Mounting Foot (Includes Screws)	10	**23.69**
17	SPX1600Z52	Mounting Foot Screws *(Set of 2)*	1	**6.65**
18	SPX3400DR4	Motor Drive Display Cover (Cover only)	5	**57.22**
19	HLXDCOVER	Sun Cover Replacement	5	**36.66**
20	HLXDLCD	LCD Disp Replacement	5	**256.77**
21	HLXDSPCASE	Case Replacement	1	**77.91**
22	HLX485RELAY	Replacement RS485 Relay	1	**389.58**
23	HLXJBOX	Replacement Jbox	1	**37.75**
24	HLX485100	RS485 100 ft. Extension	15	**205.04**
—	HLXHW5PK	OmniHub Hardware - Not Shown *(5 pack)*	10	**36.66**
—	HLXWHIP6	Omni 6 ft. Whip – Not Shown	5	**86.72**
—	HLH485RELAY	Omni RS485 Smart Relay	1	**468.97**
—	SPX3200LCD	Digital Control Interface Assembly	1	**573.59**
—	SPX3400DRKIT	Wall Mount Kit	5	**162.22**
—	SPXHKIT3	Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube)	10	**38.46**
—	HLX485200	RS485 200 ft. Extension	5	**410.10**
—	HLXHIOPCB	OmniHub PCB	1	**301.63**
—	HLXRLYLABL	Replacement Relay Label	10	**70.13**
—	SPX3200DRCC	Communication Cable for VS Pump	5	**52.79**
POWER END				
—	SPX2603Z1VSPE	Power End Assembly for SP2603VSP (Includes #7-14, motor and drive)	1	**$1,804.35**

Super Pump® XE

PUMP SERIES REPLACEMENT PARTS

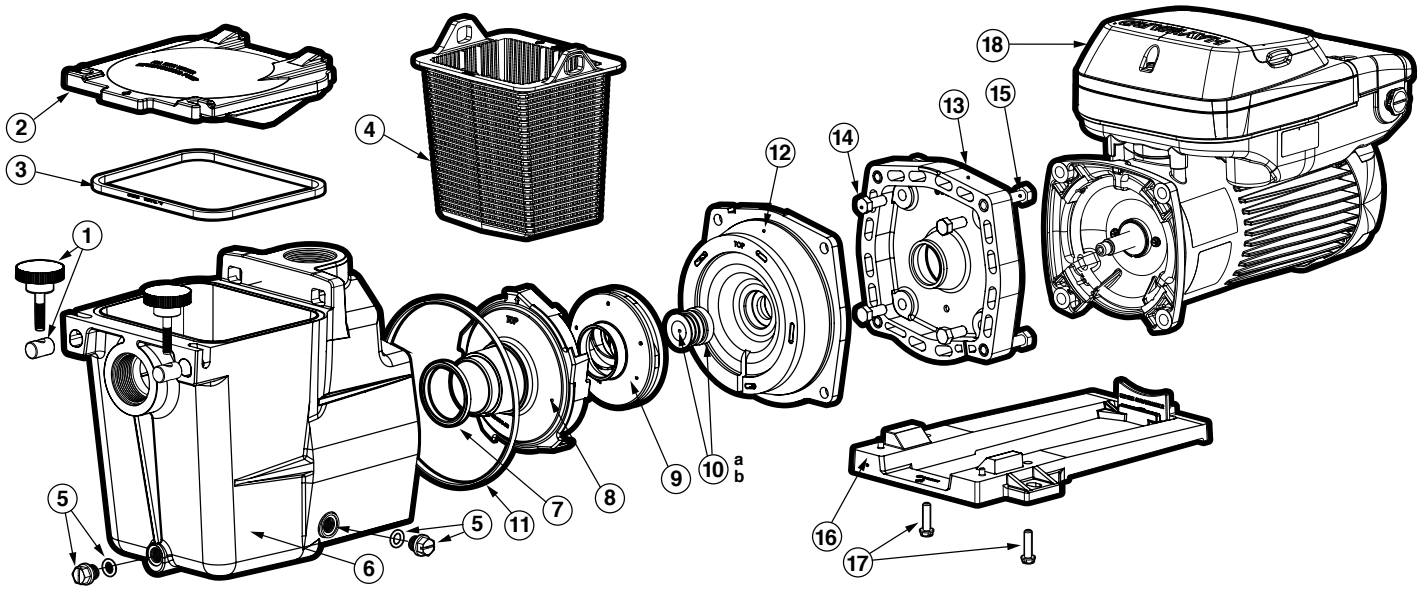
Parts for Pump Models: SP2610X15XE, SP2615X20XE



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX1600T	Housing Gasket	50	**$12.68**
2a	SPX1600Z2	Shaft Seal Assembly	10	**30.41**
2b	SPX1600Z2VIT	Shaft Seal Assembly (Viton®)	10	**34.37**
3	SPX1600Z52	Mounting Foot Screws *(Set of 2)*	1	**6.65**
4	SPX3200Z5PAK4	Motor Cap Screws *(Set of 4)*	50	**14.21**
5	SPX2600G1	Mounting Foot, VSP (Includes Screws)	10	**23.69**
6	SPX2600E5	Seal Plate	10	**63.21**
7a	SPX2610X15XEPE	1.65 H.P. Power End (Includes items 2, 4, 6–8, 14, 17, 19)	1	**1,398.30**
7b	SPX2615X20XEPE	2.25 H.P. Power End (Includes items 2, 4, 6–8, 14, 17, 19)	1	**1,566.43**
8	SPX1600R	Diffuser Gasket	25	**5.07**
9	SPX1620AA	Pump Strainer Housing with Gasket	1	**394.41**
10	SPX1600M	Basket	20	**21.87**
11	SPX1600S	Strainer Cover Gasket	50	**15.22**
12	SPX1600D	Strainer Cover	10	**83.72**
13	SPX1600PN	Swivel Nut and Hand Knob	100	**20.17**
14	SPX2600B	Diffuser	10	**47.45**
15	SPX1700FG	Drain Plug with Gasket	50	**6.28**
17	SPX1600F5	Motor Mounting Plate	10	**59.42**
18	SPX1600Z4	Housing Cap Screw	25	**6.92**
19a	SPX2610C	1.65 THP Impeller	20	**49.62**
19b	SPX2615C	2.25 THP Impeller	25	**61.09**
20	SPXBTNXE	XE Button Replacement	1	**68.94**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

Parts for Pump Models: SP2670010VSP, SP2670020VSP, (W3)SP2603VSP, SP26115VSP

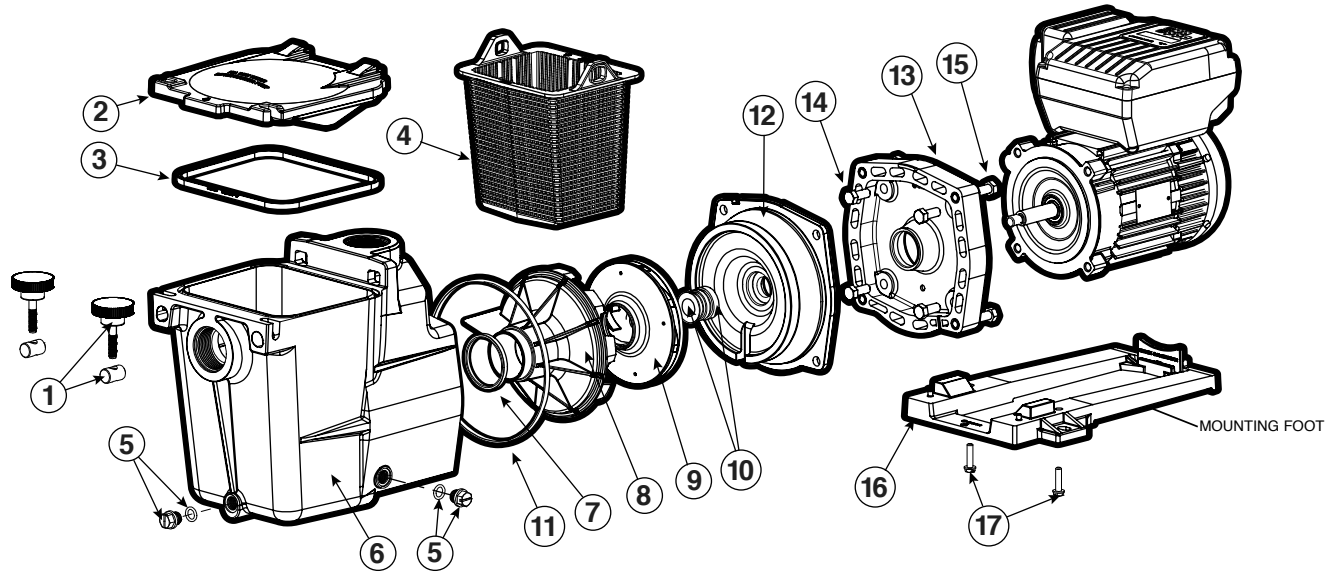


Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX1600PN	Swivel Nut and Hand Knob	100	**$20.17**
2	SPX1600D	Strainer Cover	10	**83.72**
3	SPX1600S	Strainer Cover Gasket	50	**15.22**
4	SPX1600M	Basket	20	**21.87**
5	SPX4000FG	Wingnut Drain Plug with Gasket	50	**6.11**
6	SPX1620AA	Pump/Strainer Housing with Gasket	1	**394.41**
7	SPX1600R	Diffuser Gasket	25	**5.07**
8	SPX2600B	Diffuser	10	**47.45**
9	SPX2607C	Impeller for SP2603VSP	10	**48.31**
—	SPX2607C	Impeller for SP26115VSP	10	**48.31**
10a	SPX1600Z2	Shaft Seal Assembly (SP2603VSP, SP26115VSP)	10	**30.41**
10b	SPX1600Z2VIT	Viton® Shaft Seal Assembly (SP2670010VSP, SP2670020VSP)	10	**34.37**
11	SPX1600T	Housing Gasket	50	**12.68**
12	SPX2600E5	Seal Plate	10	**63.21**
13	SPX1600F5	Motor Mounting Plate	10	**59.42**
14	SPX0125Z44	Motor Cap Screws *(Set of 4)*	20	**12.78**
15	SPX1600Z4	Housing Cap Screw	25	**6.92**
16	SPX2600G1	Mounting Foot (Includes Screws)	10	**23.69**
17	SPX1600Z52	Mounting Foot Screws *(Set of 2)*	1	**6.65**
18	SPX3400DR4	Motor Drive Display Cover (Cover only)	5	**57.22**
—	SPX3200LCD	Digital Control Interface Assembly	1	**573.59**
—	SPX3400DRKIT	Wall Mount Kit	5	**162.22**
—	SPXHKIT3	Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube)	10	**38.46**
—	SPX3200DRCC	Communication Cable for VS Pump	5	**52.79**
POWER END				
—	SPX2603Z1VSPE	Power End Assembly for SP2603VSP (Includes #7-14, motor and drive)	1	**$1,804.35**

Super Pump® VS

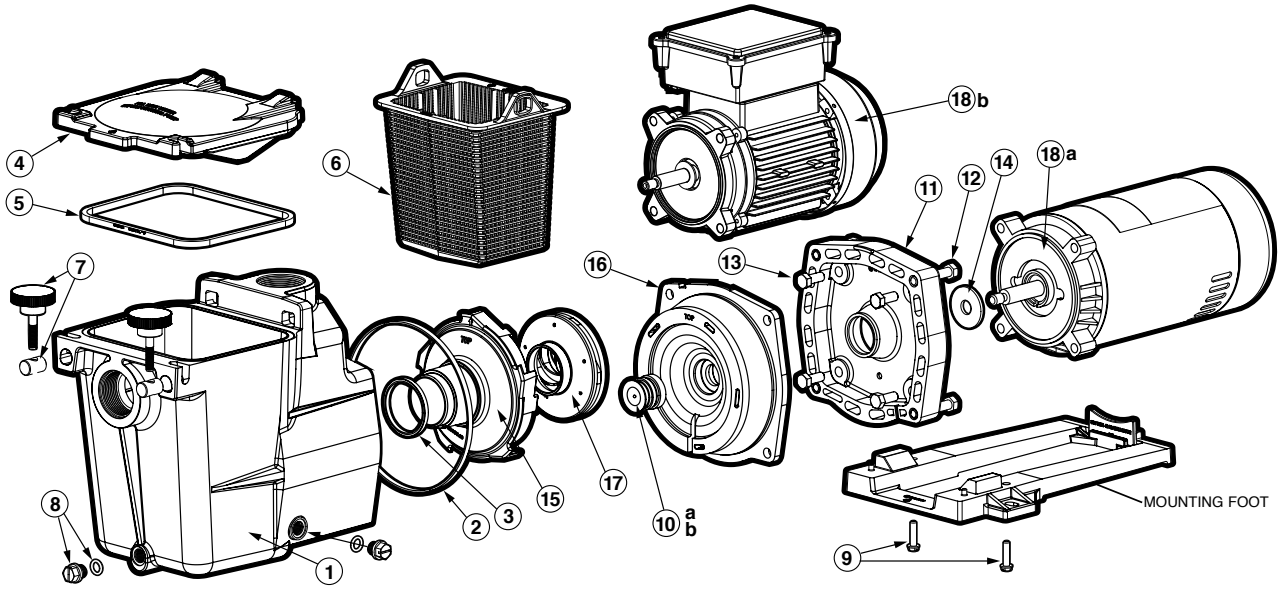
SP2600VSP PUMP SERIES REPLACEMENT PARTS

Parts for Pump Models: SP2600VSP, SP2602VSP



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX1600PN	Hand Knob	100	**$20.17**
2	SPX1600D	Strainer Cover	10	**83.72**
3	SPX1600S	Strainer Cover Gasket	50	**15.22**
4	SPX1600M	Basket	20	**21.87**
5	SPX1700FG	Drain Plug with Gasket	50	**6.28**
6	SPX1620AA	Pump/Strainer Housing with Gasket	1	**394.41**
7	SPX1600R	Diffuser Gasket	25	**5.07**
8	SPX1616B	Diffuser	10	**58.90**
9	SPX1621C	Impeller	20	**76.13**
10	SPX1600Z2	Shaft Seal Assembly	10	**30.41**
11	SPX1600T	Housing Gasket	50	**12.68**
12	SPX1611E5	Seal Plate	5	**78.87**
13	SPX1600F5	Motor Mounting Plate	10	**59.42**
14	SPX0125Z44	Motor Cap Screws *(Set of 4)*	20	**12.78**
15	SPX1600Z4	Housing Cap Screw	25	**6.92**
16	SPX2600G1	Mounting Foot (Includes Screws)	10	**23.69**
17	SPX1600Z52	Mounting Foot Cap Screws *(Set of 2)*	1	**6.65**
—	SPXHKIT3	Quick Fix Kit (Includes #3, 7, 10, 11 & Jack's Lube)	10	**38.46**
POWER END				
—	SPX2603Z1VSPE	Power End Assembly (Includes parts #8–15, Motor and Drive)	1	**$1,804.35**

Parts for Pump Models: SP2670007X10, SP2670010X15 (W3)SP2600X5, (W3)SP2605X7, (W3)SP2607X10(2S), SP2607EE, (W3)SP2610X15(2S), SP2615X20(2S), SP2621X25



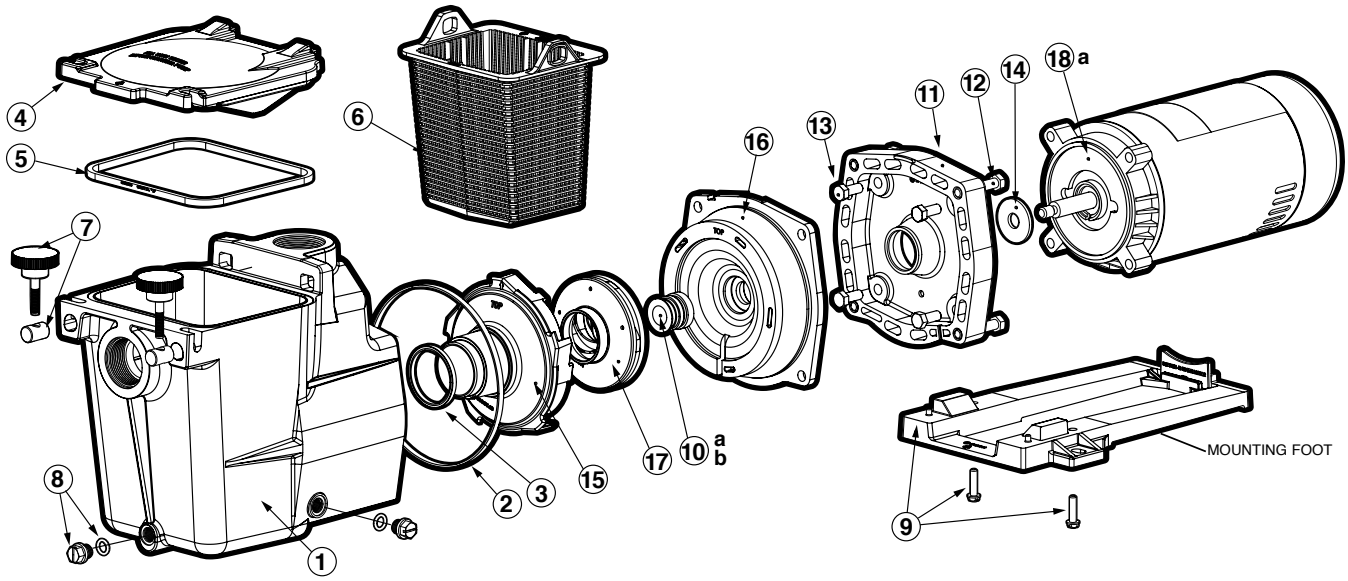
Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX1620AA	Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs	1	**$394.41**
1	SPX1620AA	Pump Housing/Strainer, 2" x 2", with Drain Plugs	1	**394.41**
2	SPX1600T	Housing Gasket	50	**12.68**
3	SPX1600R	Diffuser Gasket	25	**5.07**
—	SPX1600TRA	Seal Assembly Kit (Includes Seal Assembly, Housing and Diffuser Gaskets)	10	**46.41**
4	SPX1600D	Strainer Cover	10	**83.72**
4	SPX1600DB	Strainer Cover for Biguanide Sanitizers NOT Pressure Testable	10	**84.56**
5	SPX1600S	Strainer Cover Gasket	50	**15.22**
6	SPX1600M	Basket	20	**21.87**
7	SPX1600PN	Hand Knob Kit (Includes Swivel Nut and Hand Knob)	100	**20.17**
—	SPX1700FG	1⁄4" Drain Plug with Gasket (1992–2021)	50	**6.28**
8	SPX4000FG	1/4" Wingnut Drain Plug with Gasket (2021 and later)	50	**6.11**
9	SPX2600G1	Mounting Foot with Adapter and Screws	10	**23.69**
—	SPX1600Z52	Mounting Foot Cap Screw (Set of 2 – 1995 and Prior, 2 sets required)	1	**6.65**
10a	SPX1600Z2	Shaft Seal Assembly (SP2605X7, SP2607X10(2S), SP2607EE, SP2610X15(2S), SP2615X20(2S), SP2621X25)	10	**30.41**
10b	SPX1600Z2VIT	Viton® Shaft Seal Assembly (SP2670007X10, SP2670010X15)	10	**34.37**
11	SPX1600F5	Motor Mounting Plate	10	**59.42**
12	SPX1600Z4	Housing Cap Screw	25	**6.92**
13	SPX0125Z44	Motor Cap Screw *(Set of 4)*	20	**12.78**
14	SPX0125F	Slinger	50	**5.05**
15	SPX2600B	Diffuser, for 1/2 thru 2 H.P.	10	**47.45**
15	SPX1616B	Diffuser, for 2 1/2 H.P. only	10	**58.90**
16	SPX2600E5	Seal Plate, 1/2 thru 2 H.P.	10	**63.21**
16	SPX1611E5	Seal Plate, for 2 1/2 H.P. only	5	**78.87**
—	SPXHKIT3	H-KIT Quick Pump Repair for Super Pump (Includes SPX1600T, SPX1600S, SPX1600R, SPX1600Z2 and Jack's Lube)	10	**38.46**
Parts listed below must be ordered for specific model and H.P.:				
17	SPX2600C	Impeller, for 1/2 H.P.	20	**$47.99**
17	SPX2605C	Impeller, for 3/4 H.P.	20	**46.81**
17	SPX2607C	Impeller, for 1 H.P.	10	**48.31**
17	SPX2610C	Impeller, for 1 1/2 H.P.	20	**49.62**
17	SPX2615C	Impeller, for 2 H.P.	25	**61.09**
17	SPX1621C	Impeller, for 2 1/2 H.P.	20	**76.13**
18a	SPX1600Z1M	Motor, 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V)	1	**394.90**
18a	SPX1605Z1M	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**430.70**
18a	SPX1607Z1BECAG	Motor, 3/4 H.P., Energy Efficient, Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**562.83**
18a	SPX1607Z1M	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**477.54**
18a	SPX1610Z1M	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**536.85**
18a	SPX1615Z1M	Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**694.61**
18a	SPX1620Z1M	Motor, 2 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	**815.49**
18a	SPX1607Z2MS	Motor, 1 H.P., Threaded Shaft, 2-Speed (Single Phase, 60 Cycle 230V)	1	**831.54**
18a	SPX1610Z2MS	Motor, 1 1/2 H.P., Threaded Shaft, 2-Speed (Single Phase, 60 Cycle 230V)	1	**909.45**
18a	SPX1615Z2MS	Motor, 2 H.P., Threaded Shaft, 2-Speed (Single Phase, 60 Cycle 230V)	1	**1,178.11**
18b	SPX2607Z1MTG	Motor, 1 H.P., Threaded Shaft, TEFC (SP2670007X10 after March 2019)	1	**501.47**
18b	SPX2610Z1MTG	Motor, 1 1/2 H.P., Threaded Shaft, TEFC (SP2670010X15 after March 2019)	1	**563.64**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

Super Pump®

SP1600X PUMP SERIES (MAX-RATED) REPLACEMENT PARTS

Parts for Pump Models: SP1600X5, SP1605X7, SP1607X10, SP1608X10, SP1610X15, SP1611X15, SP1615X20, SP1616X20, SP1621X25

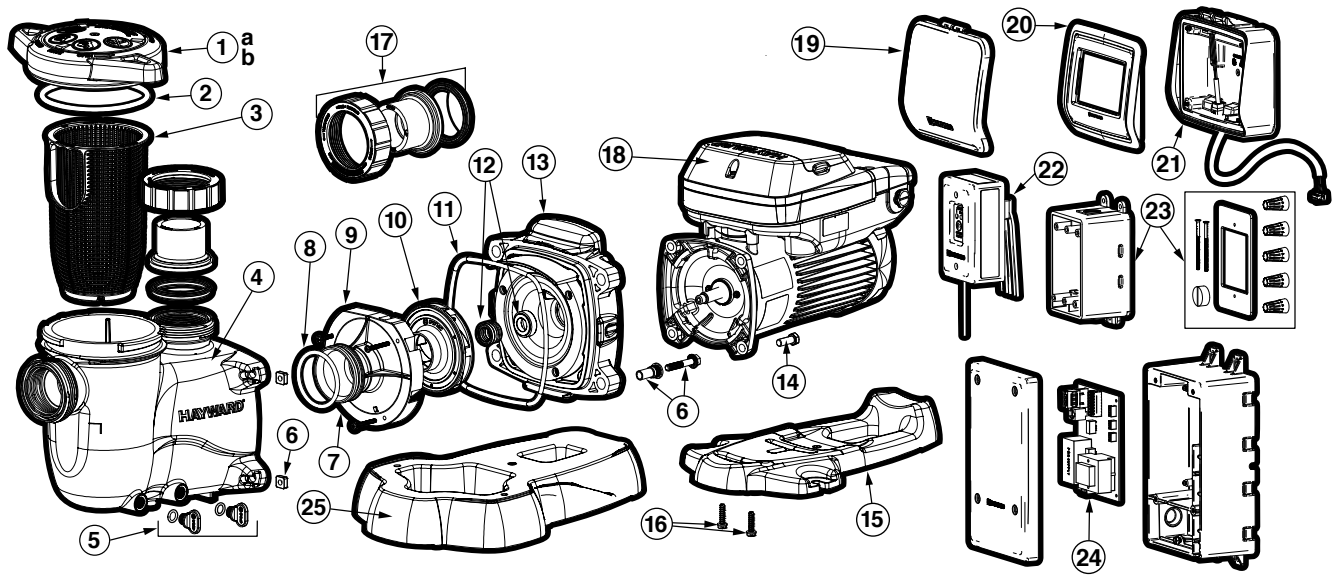


Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX1620AA	Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs	1	**$394.41**
1	SPX1620AA	Pump Housing/Strainer, 2" x 2", with Drain Plugs	1	**394.41**
2	SPX1600T	Housing Gasket	50	**12.68**
3	SPX1600R	Diffuser Gasket	25	**5.07**
—	SPX1600TRA	Seal Assembly Kit (Includes Seal Assembly, Housing and Diffuser Gaskets)	10	**46.41**
4	SPX1600D	Strainer Cover	10	**83.72**
4	SPX1600DB	Strainer Cover for Biguanide Sanitizers **NOT** Pressure Testable	10	**84.56**
5	SPX1600S	Strainer Cover Gasket	50	**15.22**
6	SPX1600M	Basket	20	**21.87**
7	SPX1600PN	Hand Knob Kit (Includes Swivel Nut and Hand Knob)	100	**20.17**
—	SPX1600V	1/4" Drain Plug (1991 and Prior)	50	**3.03**
8	SPX1700FG	1/4" Drain Plug with Gasket (1992 and later)	50	**6.28**
9	SPX2600G1	Mounting Foot with Adapter and Screws	10	**23.69**
—	SPX1600Z52	Mounting Foot Cap Screw (*Set of 2* – 2 Sets Required)	1	**6.65**
10	SPX1600Z2	Seal Assembly	10	**30.41**
11	SPX1600F5	Motor Mounting Plate	10	**59.42**
12	SPX1600Z4	Housing Cap Screw	25	**6.92**
13	SPX0125Z44	Motor Cap Screw *(Set of 4)*	20	**12.78**
14	SPX0125F	Slinger	50	**5.05**
—	SPXHKIT3	H-KIT Quick Pump Repair for Super Pump (includes SPX1600T, SPX1600S, SPX1600R, SPX1600Z2 and Jack's Lube)	10	**38.46**

	Med. Hd.	High Hd.	Parts listed below must be ordered for specific model and H.P.:		
—	SPX2600CKIT*	—	1/2 H.P. Drive Train Upgrade	1	**$246.67**
—	SPX2605CKIT*	—	3/4 H.P. Drive Train Upgrade	1	**228.90**
—	SPX2607CKIT*	—	1 H.P. Drive Train Upgrade	1	**231.18**
—	SPX2610CKIT*	—	1 1/2 H.P. Drive Train Upgrade	1	**233.94**
—	SPX2615CKIT*	—	2 H.P. Drive Train Upgrade	1	**238.99**
			(All above kits Include Impeller, Diffuser, Seal Plate, Housing Gasket, Diffuser Gasket and Motor Mounting Plate)		
16	—	SPX1611E5	Seal Plate 2 1/2 H.P.	5	**78.87**
17	—	SPX1621C	Impeller, for 2 1/2 H.P. Max Rated	20	**76.13**
18	SPX1600Z1M		Motor, 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V)	1	**394.90**
18	SPX1605Z1M		Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**430.70**
18	SPX1607Z1M		Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**477.54**
18	SPX1610Z1M		Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**536.85**
18	SPX1615Z1M		Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**694.61**
18	SPX1620Z1M		Motor, 2 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	**815.49**

NOTE: *For pumps with an "SP1600X–" part number (manufactured before 1983), the use of these new kits (SPX2600CKIT – SPX2615CKIT) will upgrade the old pump to our current "SP2600X–" series. This will improve flow, reduce noise and provide slightly better energy efficiencies. All individual components included in the kits are not available.
Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

Parts for Pump Models: HL2350020VSP

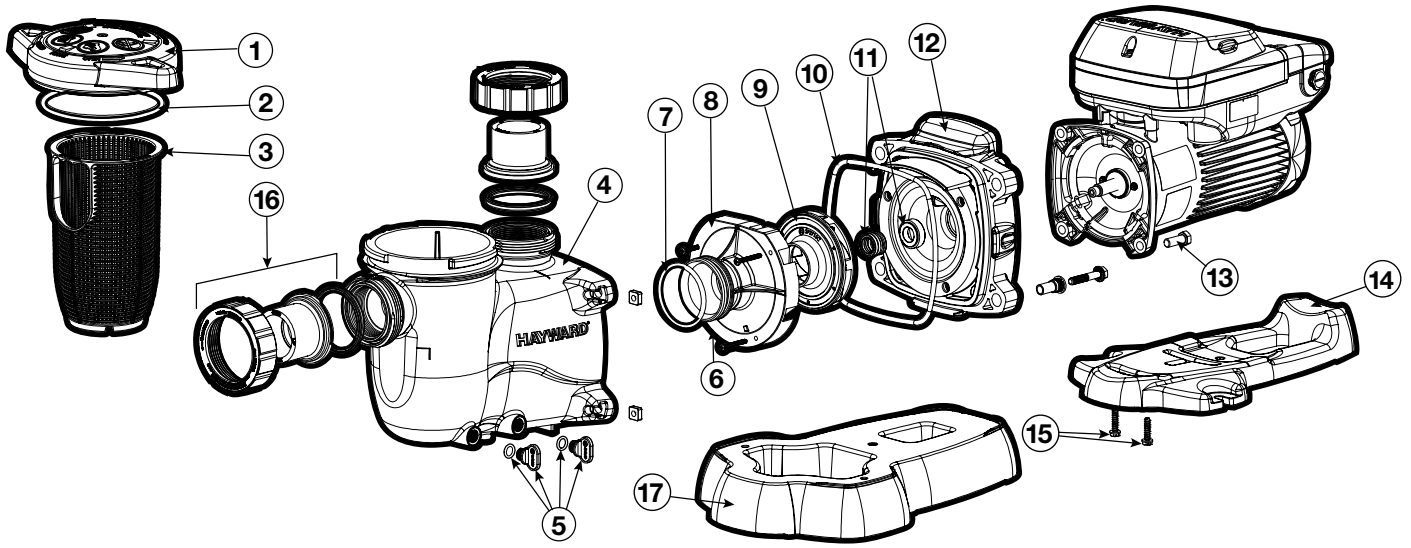


Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX2300DLS	Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring)	10	**$109.18**
2	SPX2300Z4	Strainer Cover O-Ring	50	**18.44**
3	SPX2300M	Strainer Basket	5	**22.38**
4	SPX2300AA	Pump Strainer Housing with Drain Plugs	1	**492.14**
5	SPX4000FG	Drain Plug with O-Ring	50	**6.11**
6	SPX2700ZPAK	Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers, Square Nuts)	10	**Discont'd**
7	SPX2300Z3PAK3	Diffuser Screws *(3 pack)*	50	**8.03**
8	SX220Z2	Diffuser O-Ring	10	**13.76**
9	SPX2300B	Diffuser	5	**47.99**
10	SPX2710CM	Impeller	10	**47.94**
11	GMX600F	Housing O-Ring	100	**21.72**
12	SPX2700SAV	Viton® Shaft Seal Assembly	10	**52.40**
13	SPX2300E	Seal Plate	5	**63.85**
14	SPX3200Z5PAK4	Motor Bolt *(4 pack)*	50	**14.21**
15	SPX2300G	Motor Support with Base Mount Screws	5	**61.80**
16	SPX1600Z52	Motor Support Base Mount Screws	1	**6.65**
17	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10	**82.88**
18	SPX3400DR4	Motor Drive Display Cover (Cover only)	5	**57.22**
19	HLXDCOVER	Sun Cover Replacement	5	**36.66**
20	HLXDLCD	LCD Disp Replacement	5	**256.77**
21	HLXDSPCASE	Case Replacement	1	**77.91**
22	HLX485RELAY	Replacement RS485 Relay	1	**389.58**
23	HLXJBOX	Replacement Jbox	1	**37.75**
24	HLXHIOPCB	OmniHub PCB	1	**301.63**
—	SPX3200LCD	Digital Control Interface Assembly	1	**573.59**
—	SPX3400DRKIT	Wall Mount Kit	5	**162.22**
—	HLH485RELAY	Omni RS485 Smart Relay	1	**468.97**
—	HLX485100	RS485 100 ft. Extension	15	**205.04**
—	HLX485200	RS485 200 ft. Extension	5	**410.10**
—	HLXHW5PK	OmniHub Hardware - Not Shown *(5 pack)*	10	**36.66**
—	HLXWHIP6	Omni 6 ft. Whip - Not Shown	5	**86.72**
—	HLXRLYLABL	Replacement Relay Label	10	**70.13**
OPTIONAL				
25	SPX2300GR	Optional Riser Base Aligns with Sta-Rite® Dyna-Pro®	1	**$51.61**

MaxFlo VS®

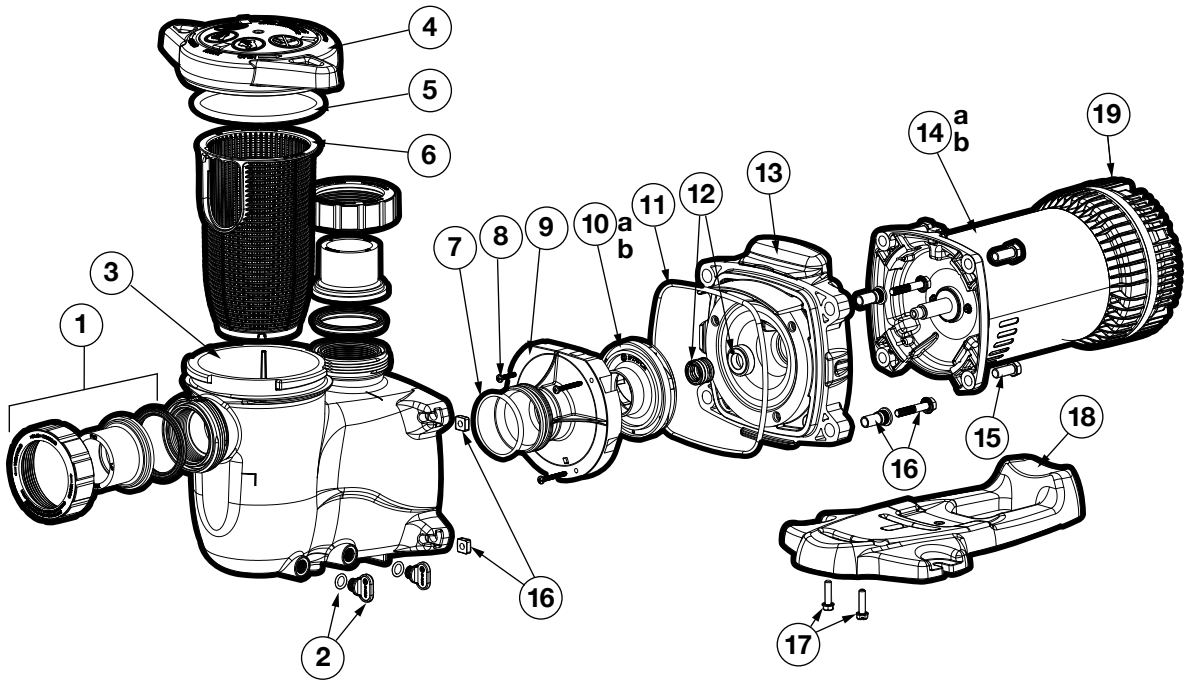
VARIABLE-SPEED PUMP SERIES

Parts for Pump Models: SP2300VSP, SP2302VSP, SP2302VSPND



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX2300DLS	Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring)	10	**$109.18**
2	SPX2300Z4	Strainer Cover O-Ring	50	**18.44**
3	SPX2300M	Strainer Basket	5	**22.38**
4	SPX2300AA	Pump Strainer Housing with Drain Plugs	1	**492.14**
5	SPX4000FG	Drain Plug with O-Ring	50	**6.11**
6	SPX2300Z3PAK3	Diffuser Screws *(3 Pack)*	50	**8.03**
7	SX220Z2	Diffuser O-Ring	10	**13.76**
8	SPX2300B	Diffuser	5	**47.99**
9	SPX2300CVS	Impeller	10	**61.09**
10	GMX600F	Housing O-Ring	100	**21.72**
11	SPX2700SA	Shaft Seal Assembly	10	**31.59**
12	SPX2300E	Seal Plate	5	**63.85**
13	SPX3200Z5PAK4	Motor Bolt *(4 Pack)*	50	**14.21**
14	SPX2300G	Motor Support with Base Mount Screws	5	**61.80**
16	SPX1600Z52	Motor Support Base Mount Screws	1	**6.65**
16	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10	**82.88**
—	SPX3200LCD	Digital Control Interface Assembly	1	**573.59**
—	SPX3400DRKIT	Wall Mount Kit	5	**162.22**
—	SPXHKIT3	Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube)	10	**38.46**
—	SPX3200DRCC	Communication Cable for VS Pump	5	**52.79**
OPTIONAL				
17	SPX2300GR	Optional Riser Base Aligns with Sta-Rite® Dyna-Pro®	1	**$51.61**
POWER END				
—	SPX2303Z1VSPE	Power End Assembly (Includes parts #7–14, Motor and Drive)	1	**$1,809.54**

Parts for Pump Models: SP2310X15XE, SP2315X20XE



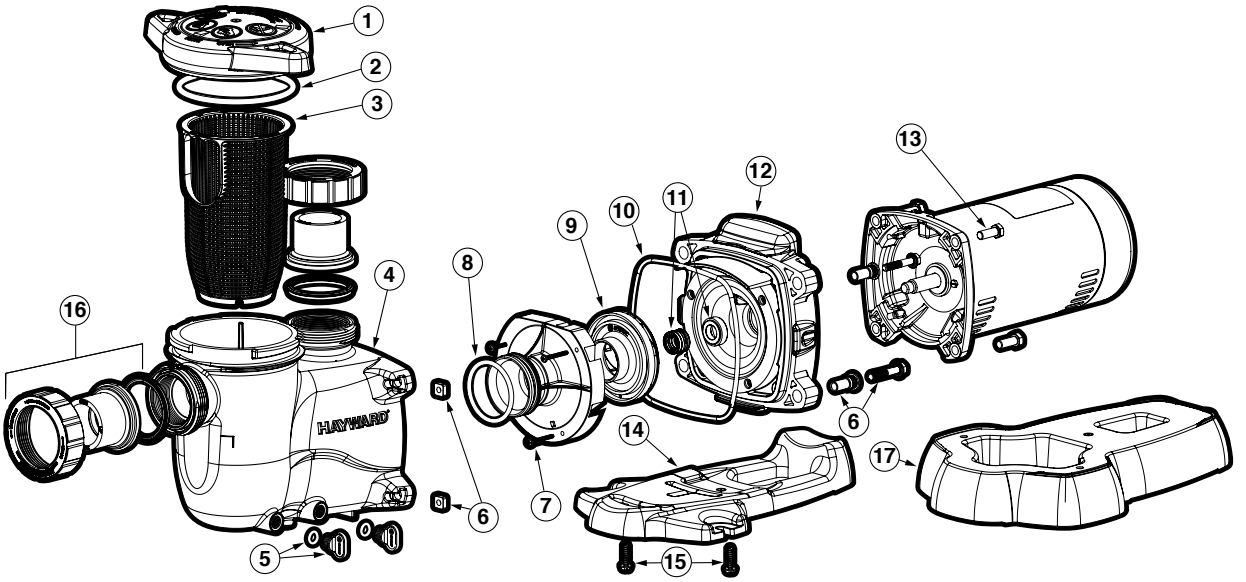
Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10	**$82.88**
2	SPX4000FG	Drain Plug with O-Ring	50	**6.11**
3	SPX2300AA	Pump Strainer Housing with Drain Plugs	1	**492.14**
4	SPX2300DLS	Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring)	10	**109.18**
5	SPX2300Z4	Strainer Cover O-Ring	50	**18.44**
6	SPX2300M	Strainer Basket	5	**22.38**
7	SX220Z2	Diffuser O-Ring	10	**13.76**
8	SPX2300Z3PAK3	Diffuser Screws *(3 Pack)*	50	**8.03**
9	SPX2300B	Diffuser	5	**47.99**
10a	SPX2710CM	1.65 THP Impeller	10	**47.94**
10b	SPX2715CM	2.25 THP Impeller	10	**61.09**
11	GMX600F	Housing O-Ring	100	**21.72**
12a	SPX2700SA	Shaft Seal Assembly	10	**31.59**
12b	SPX2700SAV	Shaft Seal Assembly (Viton®)	10	**52.40**
13	SPX2300E	Seal Plate	5	**63.85**
14a	SPX2310X15XEPE	1.65 HP Power End (Includes items 7–15)	1	**1,486.09**
14b	SPX2315X20XEPE	2.25 HP Power End (Includes items 7–15)	1	**1,664.93**
15	SPX3200Z5PAK4	Motor Bolt *(package of 4)*	50	**14.21**
16	SPX2700ZPAK	Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers, Square Nuts)	10	**Discont'd**
17	SPX1600Z52	Motor Support Base Mount Screws	1	**6.65**
18	SPX2300G	Motor Support (VSP) with Base Mount Screws	5	**61.80**
19	SPXBTNXE	XE Button Replacement	1	**68.94**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

MaxFlo® XL

SP2300X PUMP SERIES (MAX-RATED) REPLACEMENT PARTS

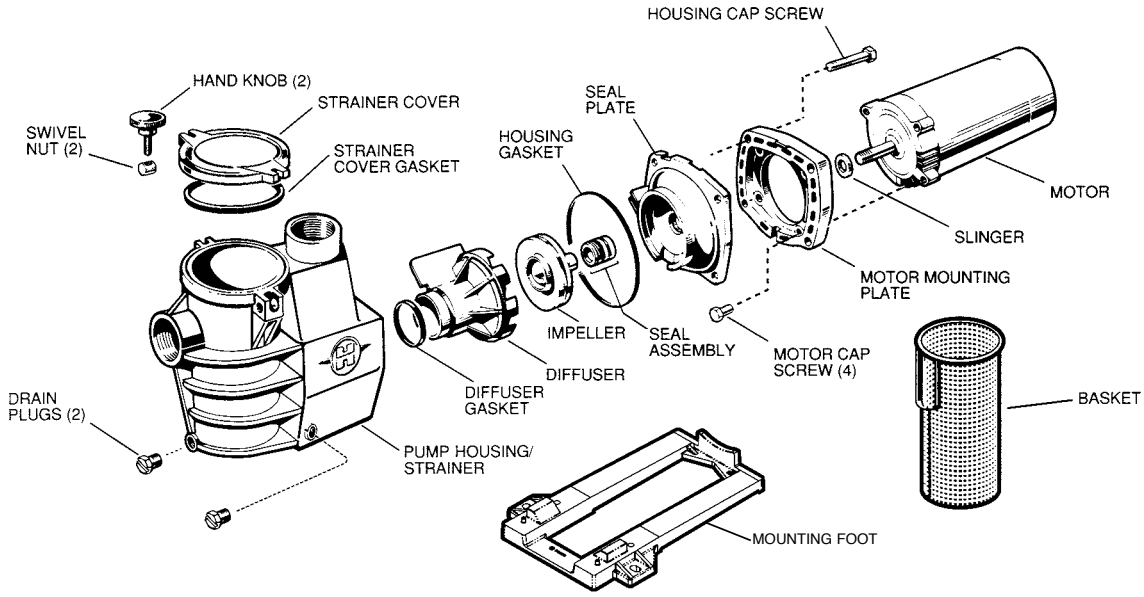
Parts for Pump Models: SP2305X7(EE)(SP), (W3)SP2307X10(2), (W3)SP2310X15(2), (W3)SP2315X20(2)



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SPX2300DLSB	Strainer Cover Kit for Biguanide Sanitizers (Includes Strainer Cover, Lock-Ring, O-Ring) **NOT** Pressure Testable	10	**Discont'd**
2	SPX2300Z4	Strainer Cover O-Ring	50	**$18.44**
3	SPX2300M	Strainer Basket	5	**22.38**
4	SPX2300AA	Pump Strainer Housing with Drain Plugs	1	**492.14**
5	SPX4000FG	Drain Plug with O-Ring	50	**6.11**
6	SPX2700ZPAK	Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers and Square Nuts)	10	**Discont'd**
7	SPX2300Z3PAK3	Diffuser Screws *(Pack of 3)*	50	**8.03**
8	SX220Z2	Diffuser O-Ring	10	**13.76**
9	SPX2700C	Impeller for 3/4 H.P. Max-Rate Pump	10	**47.99**
	SPX2700CSP	Impeller for Pump Model SP2305X7EESP	1	**49.74**
	SPX2707CM	Impeller for 1 H.P. Max-Rate Pump	10	**46.59**
	SPX2710CM	Impeller for 1 1/2 H.P. Max-Rate Pump	10	**47.94**
	SPX2715CM	Impeller for 2 H.P. Max-Rate Pump	10	**61.09**
10	GMX600F	Housing O-Ring	100	**21.72**
11	SPX2700SA	Shaft Seal Assembly	10	**31.59**
12	SPX2300E	Seal Plate	5	**63.85**
13	SPX3200Z5PAK4	Motor Bolt *(Pack of 4)*	50	**14.21**
14	SPX2300G	Motor Support with Base Mount Screws	5	**61.80**
15	SPX1600Z52	Motor Support Base Mount Screws	1	**6.65**
16	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10	**82.88**
OPTIONAL				
17	SPX2300GR	Optional Riser Base Aligns with Sta-Rite® Dyna-Pro®	1	**$51.61**
MOTORS				
	SPX2705Z1M	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V/208-230V)	1	**$439.45**
	SPX2705Z1ME	Motor, 3/4 H.P., Energy Efficient Threaded Shaft (Single Phase, 60 Cycle 115/208-230V)	1	**516.98**
	SPX2707Z1M	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/208-230V)	1	**490.98**
	SPX2710Z1M	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/208-230V)	1	**549.98**
	SPX2715Z1ME	Motor, 2 H.P., Energy Efficient, Threaded Shaft (Single Phase, 60 Cycle 115/208-230V)	1	**714.53**
	SPX2707Z2M	Motor, 1 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle 230V)	1	**789.83**
	SPX2710Z2M	Motor, 1 1/2 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle 230V)	1	**808.35**
	SPX2715Z2M	Motor, 2 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle 230V)	1	**1,046.62**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

Parts for Pump Models: SP2800X5, SP2805X7, SP2807X10, SP2810X15(2), SP2815X20



Part No.	Description	Ctn. Qty.	List Price
SPX2800AA*	Pump Housing/Strainer accepts Swing Away Knobs, 1 ½" x 1 ½", with Drain Plugs (1995 and Prior)	1	**$352.80**
SPX1250LA	Strainer Cover, clear with Gasket (Fits All Models)	10	**58.90**
SPX1250LAB	Strainer Cover, with Gasket for Biguarnide Sanitizers **NOT** Pressure testable	—	**Discont'd**
SPX0125T	Strainer Cover Gasket	20	**9.04**
SPX1250RA	Basket (1994 and Prior)	10	**16.37**
SPX2800M	Basket (1995)	10	**16.42**
SPX1250Z4	Hand Knob, Three Pointed (1994 and Prior)	50	**27.77**
SPX1600PN	Hand Knob Kit (1995, Includes Swivel Nut and Hand Knob)	100	**20.17**
SPX1600T	Housing Gasket	50	**12.68**
SPX1600R	Diffuser Gasket	25	**5.07**
SPX1600TRA	Seal Assembly Kit (Includes Seal Assembly, Housing and Diffuser Gaskets)	10	**46.41**
SPX1600V	¼" Drain Plug (1991 and Prior)	50	**3.03**
SPX1700FG	¼" Drain Plug with Gasket	50	**6.28**
SPX2600G1	Mounting Foot with Adapter and Screws	10	**23.69**
SPX1600Z52	Mounting Foot Cap Screw (*Set of 2* – 1995 and Prior, 2 sets required)	1	**6.65**
SPX1600Z2	Seal Assembly	10	**30.41**
SPX1600F5	Motor Mounting Plate	10	**59.42**
SPX1600Z4	Housing Cap Screw	25	**6.92**
SPX0125Z44	Motor Cap Screw *(Set of 4)*	20	**12.78**
SPX0125F	Slinger	50	**5.05**
SPX2800B	Diffuser, for all H.P.'s	15	**47.97**
SPX2600E5	Seal Plate	10	**63.21**
SPXHKIT1	H-KIT Quick Pump Repair for MaxFlo (Includes SPX1600T, SPX0125T, SPX1600R, SPX1600Z2 and Jack's Lube)	10	**41.64**
Housing Conversion Kit —To Swing Away Knob Style			
SPX2800AAC*	Complete Housing Conversion Kit. Includes housing, strainer cover and gasket, basket,	1	**$421.87**
Parts listed below must be ordered for specific model & H.P.:			
SPX2600C	Impeller, for 1/2 H.P. Max Rated	20	**$47.99**
SPX2605C	Impeller, for 3/4 H.P. Max Rated	20	**46.81**
SPX2607C	Impeller, for 1 H.P. Max Rated	10	**48.31**
SPX2610C	Impeller, for 1 1/2 H.P. Max Rated	20	**49.62**
SPX2615C	Impeller, for 2 H.P. Max Rated	25	**61.09**
SPX1600Z1M	Motor, 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V)	1	**394.90**
SPX1605Z1M	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**430.70**
SPX1607Z1M	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**477.54**
SPX1610Z1M	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**536.85**
SPX1615Z1M	Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	**694.61**
SPX1610Z2M	Motor, 1 1/2 H.P., Threaded Shaft, Two-speed (Single Phase, 60 Cycle, 230V)	1	**803.64**

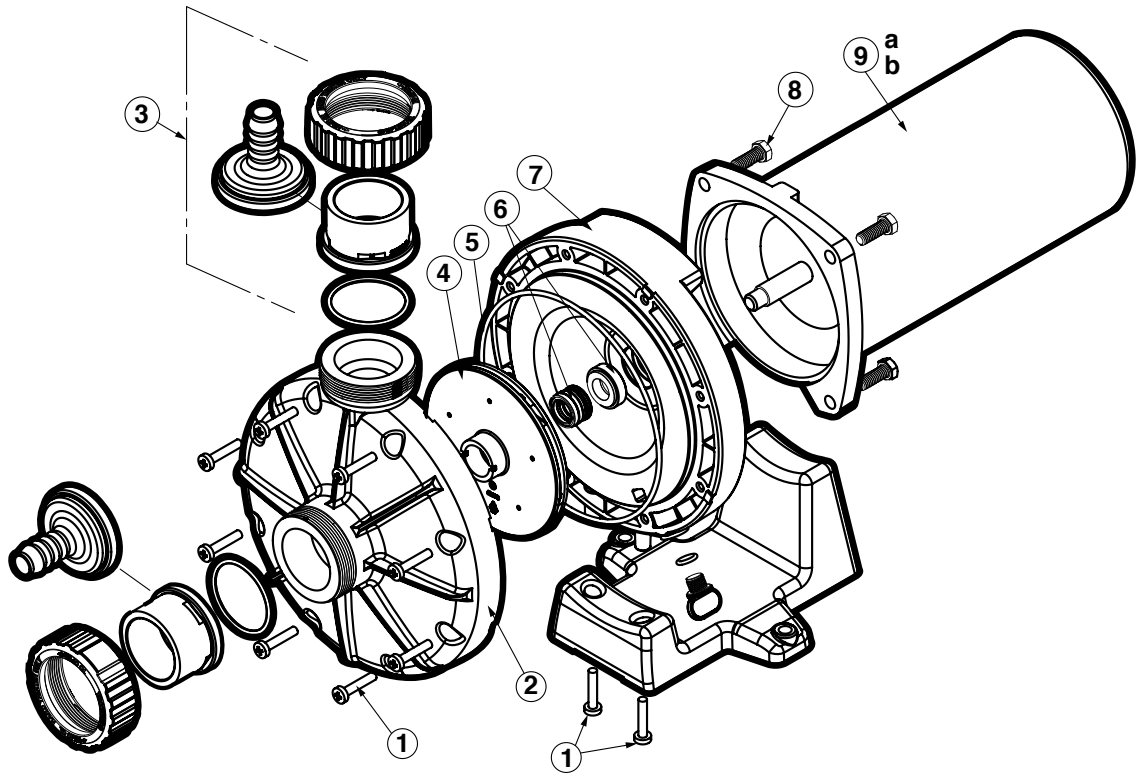
NOTE: *SP2800AAC is a complete substitute for SPX2800AA.

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

Booster Pump

HSP30060, (W3)6060 BOOSTER PUMP REPLACEMENT PARTS

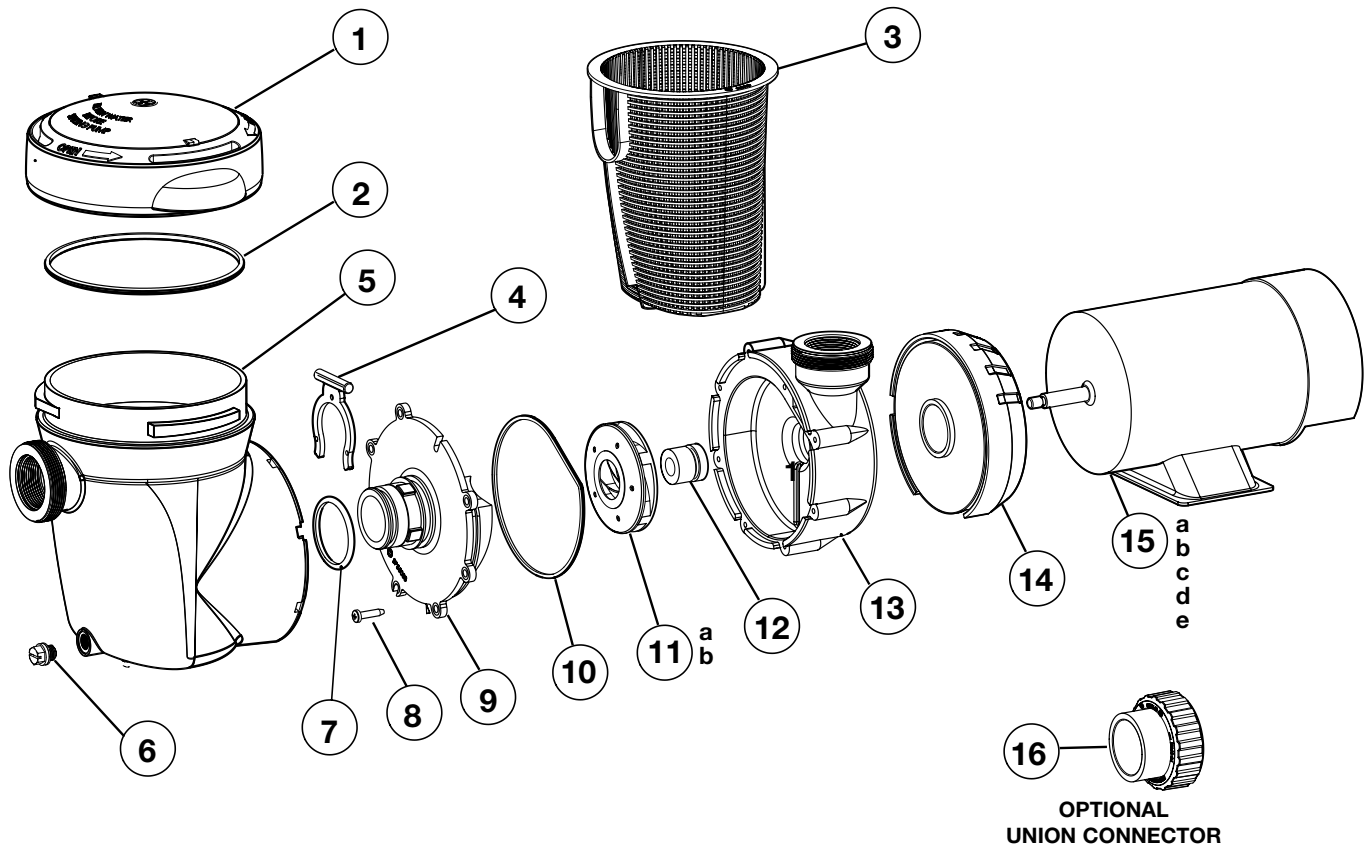
Parts for Booster Pump Models: HSP30060, (W3)6060



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
(W3)6060 Booster Pump Parts				
1	AX6060Z1	Screws	10	**$17.01**
2	AX6060A	Volute	1	**74.53**
3	AX6060UNPAK	Union Fittings Kit (2 Unions with O-Rings)	5	**39.69**
—	SPX1495Z1	Union O-Ring	50	**3.77**
4	AX6060C	Impeller Assembly	5	**45.43**
5	AX6060S	O-Ring	50	**16.84**
6	SPX2700SA	Seal Assembly	10	**31.59**
7	AX6060E	Seal Plate Assembly (Seal Plate with Drain Plug and O-Ring)	1	**74.93**
8	SPX4000FG	Drain Plug with O-Ring	50	**6.11**
9a	AX6060G	Motor Support	1	**77.09**
9b	SPX2707Z1BT	HSP30060 Motor (3/4 H.P., 60 Cycles)	1	**519.32**
—	SPX3200Z5PAK4	Motor Bolt *(Pack of 4)*	50	**14.21**
—	SPX2707Z1B	6060 Motor (3/4 H.P., 60 Cycles)	1	**499.75**
—	6060HKIT	Booster Pump Hose Kit, HSP30060 and 6060	5	**69.88**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

Parts for Pump Models: SP1591, SP1592, SP1593 Series



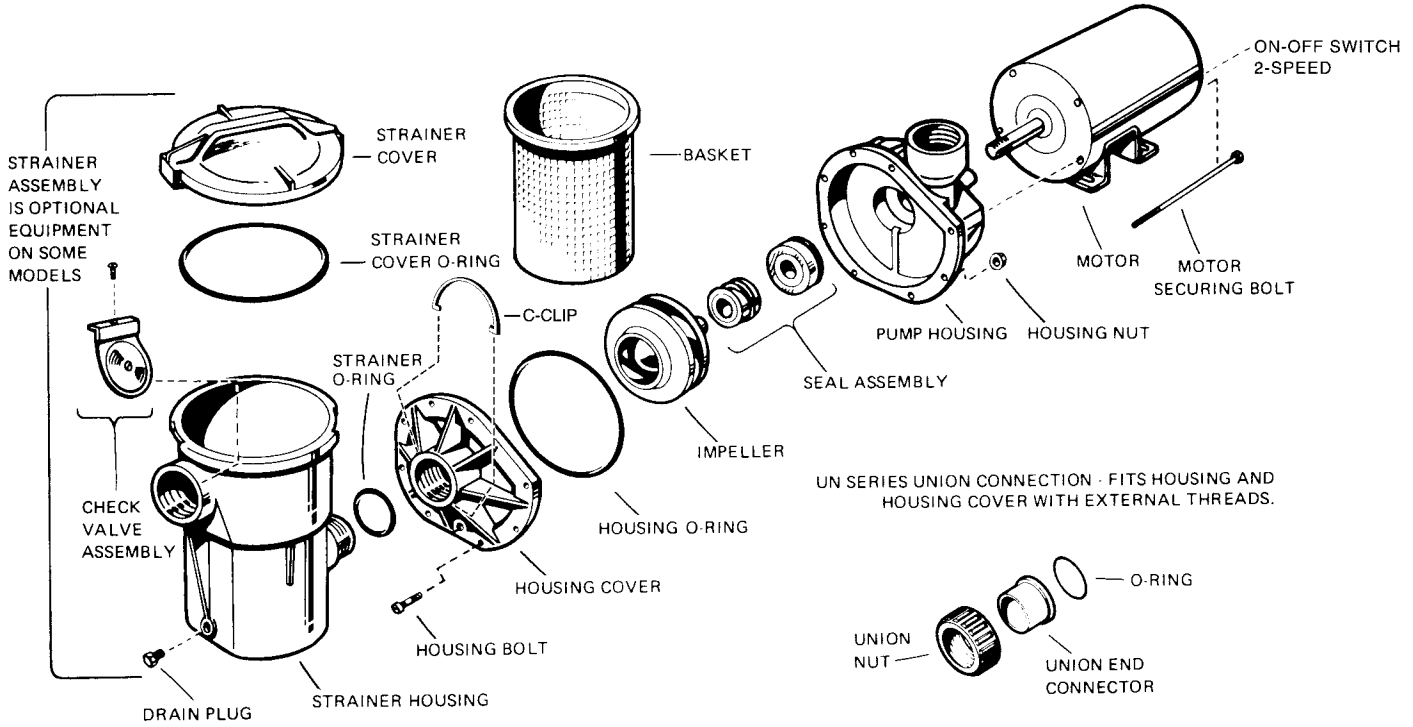
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SPX5500D	Strainer Cover with Lock Ring and O-Ring	10	1	**$106.64**
2	SPX5500H	Strainer Cover O-Ring	50	1	**10.88**
3	SPX5500F	Strainer Basket	10	1	**27.77**
4	SPX5500G	Strainer Retainer/'C' Clip	10	1	**11.18**
5	SPX5500C	Strainer Housing	1	1	**122.50**
6	SPX1700FG	Drain Plug with Gasket	50	1	**6.28**
7	SPX5500K	Strainer O-Ring	10	1	**4.80**
8	SPX0714Z48	Screw, #14 x 1/4" Type B Pan Head	1	1	**33.36**
9	SPX5500B	Pump Cover	4	1	**98.12**
10	SPX0710XZ5	Housing O-Ring	10	1	**15.04**
11a	SPX1500F	Impeller Assembly (reference part number on original equipment)	10	1	**42.82**
11b	SPX1500L	Impeller Assembly (reference part number on original equipment)	25	1	**44.20**
12	SPX1500KA	Shaft Seal Assembly	10	1	**41.96**
13	SPX5500A	Pump Housing	4	1	**112.80**
14	SPX5500E	Shroud Assembly	4	1	**50.82**
15a	SPX1510Z1E	3/4 H.P. Single Speed Motor with Switch, Flex 48	1	1	**356.12**
15b	SPX1510Z1XE	1 H.P. Single Speed Motor with Switch, Flex 48	1	1	**399.93**
15c	SPX1515Z1E	1 1/2 H.P. Single Speed Motor with Switch, Flex 48	1	1	**467.76**
15d	SPX1510Z24XE	1 H.P. Two Speed Motor with Switch, Flex 48	1	1	**496.94**
15e	SPX1515Z2ES	1 1/2 H.P. Two Speed Motor with Switch, Flex 48	1	1	**577.73**
16 (optional)	SP1500UNPAK2	Union Connector Assembly	50	2	**21.84**
	SPXHKIT12MTX	H-KIT Quick Pump Repair for PowerFlo Matrix (Includes items 2, 7, 10, 12 and Jack's Lube)	10	1	**47.55**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

PowerFlo® LX

SP1580 PUMP SERIES REPLACEMENT PARTS

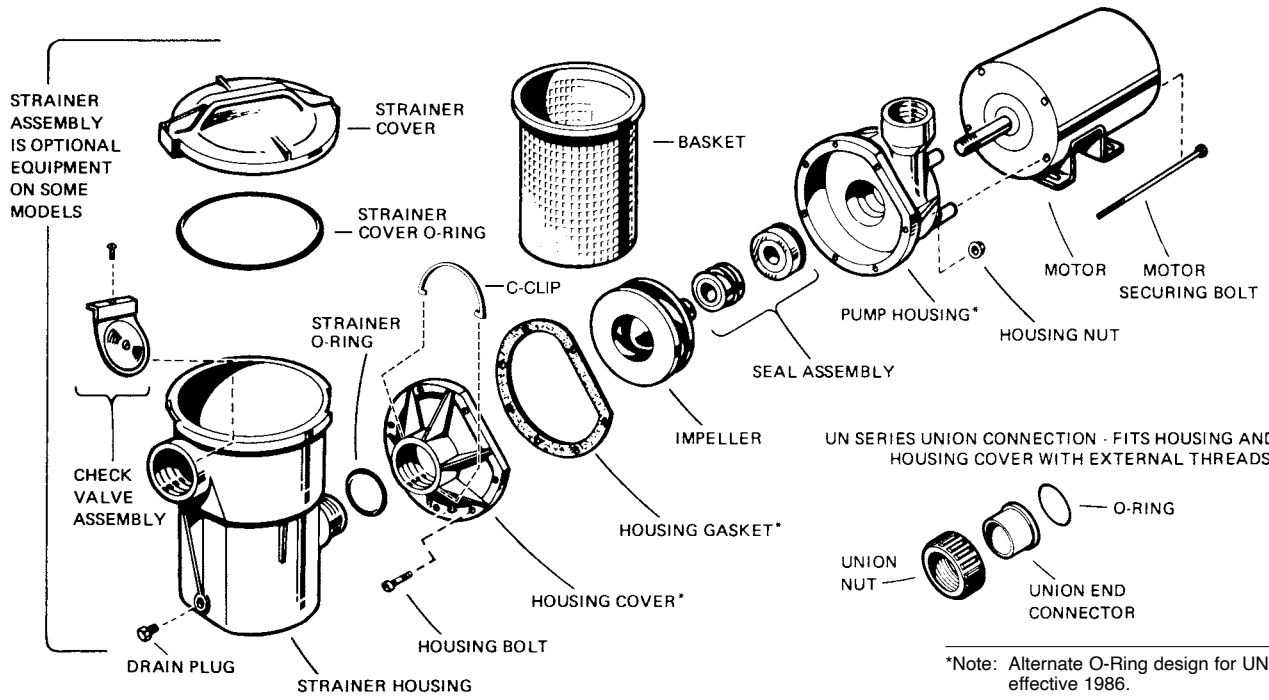
Parts for Pump Models: SP1575LX, SP1580, SP1580X15, SP1520UN



Part No.	Description	Ctn. Qty.	List Price
SPX1580AAP	Pump Housing	4	**$112.06**
SPX1580BP	Housing Cover	10	**92.21**
SPX1500KA	Seal Assembly with Cup	10	**41.96**
SPX1580Z1	Housing O-Ring	25	**14.87**
SPX1500NY	Housing Nut and Bolt, No. 10-24 Hex. Head	25	**3.42**
SPX1500F	Impeller (refer to part number on original equipment)	10	**42.82**
SPX1500L	Impeller (refer to part number on original equipment)	25	**44.20**
SPX1500CAP	Strainer Housing with Basket	1	**107.13**
SPX1500D2A	Strainer Cover with O-Ring	10	**63.48**
SPX1500P	Strainer Cover O-Ring	50	**10.81**
SPX1250RA	Strainer Basket (1992 and Prior)	10	**16.37**
SPX1500LX	Strainer Basket – Large, 4 ½" x 7"	10	**20.04**
SPX1500W	Strainer O-Ring	50	**4.80**
SPX1700FG	Drain Plug with Gasket	50	**6.28**
SPX1515C	Strainer Housing C-Clip (2000-2003)	50	**11.03**
SPX1515CN	Strainer Housing C-Clip (2004-)	10	**11.38**
SPXHKIT12	H-KIT Quick Pump Repair for PowerFlo (Includes SPX1500KA, SPX1580Z1, SPX1500P, SPX1500W, SPX1500H, SPX1705Z1 and Jack's Lube)	10	**49.22**
SP1520UN LX Parts same as SP1580 Series except as listed below:			
SPX1580AAT	Pump Housing with External Thread	4	**$110.95**
SPX1520BT	Housing Cover with External Thread, 1, 1 1/2 and 2 H.P.	10	**96.77**
SPX1500LH	1 H.P. Hi-Performance Impeller	20	**47.72**
SPX1580CH	1 1/2 H.P. Hi-Performance Impeller	25	**49.71**
SPX1525CH	2 H.P. Hi-Performance Impeller	20	**53.53**
SPX3005R	Impeller Ring – for Hi-Performance Impellers	50	**7.46**

NOTE: Parts for PowerFlo Pump Motors are listed on page 171.

Parts for Pump Models: SP1500, SP1510, SP1511, SP1550, SP1575, EP1500 Series; and Pump Strainer SP1516



*Note: Alternate O-Ring design for UN series only, effective 1986.

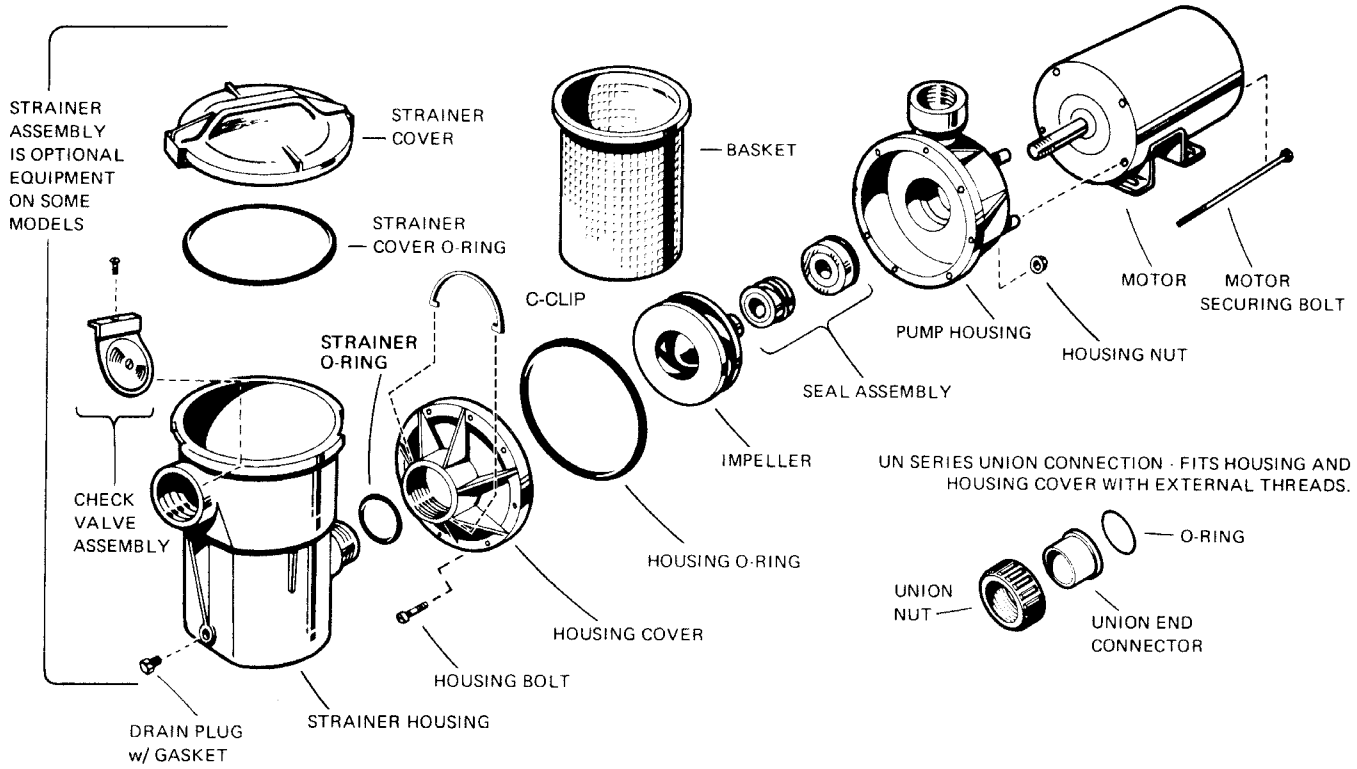
Part No.	Description	Ctn. Qty.	List Price
SPX1500KA	Seal Assembly with Cup	10	**$41.96**
SPX1500H	Housing Gasket	10	**13.42**
SPX1500NY	Housing Nut and Bolt, No. 10-24 Hex. Head	25	**3.42**
SPX1500E	Impeller (refer to part number on original equipment)	25	**43.48**
SPX1500F	Impeller (refer to part number on original equipment)	10	**42.82**
SPX1500CAP	Strainer Housing with Basket	1	**107.13**
SPX0710Z3	Strainer Cover O-Ring – for solid cover (1978 and Prior)	50	**13.67**
SPX1500D2A	Strainer Cover, with O-Ring	10	**63.48**
SPX1500P	Strainer Cover O-Ring	50	**10.81**
SPX1250RA	Strainer Basket (1992 and Prior)	10	**16.37**
SPX1500LX	Strainer Basket – Large, 4 ½" x 7"	10	**20.04**
SPX1500W	Strainer O-Ring	50	**4.80**
SPX1700FG	Drain Plug with Gasket	50	**6.28**
SPX1515C	Strainer Housing C-Clip (2000-2003)	50	**11.03**
SPX1515CN	Strainer Housing C-Clip (2004-)	10	**11.38**
SPXHKIT12	H-KIT Quick Pump Repair for Power Flo (Includes SPX1500KA, SPX1580Z1, SPX1500P, SPX1500W, SPX1500H, SPX1705Z1 and Jack's Lube)	10	**49.22**

NOTE: Parts for PowerFlo Pump Motors are listed on page 171.

PowerFlo II™

SP1700 PUMP SERIES REPLACEMENT PARTS

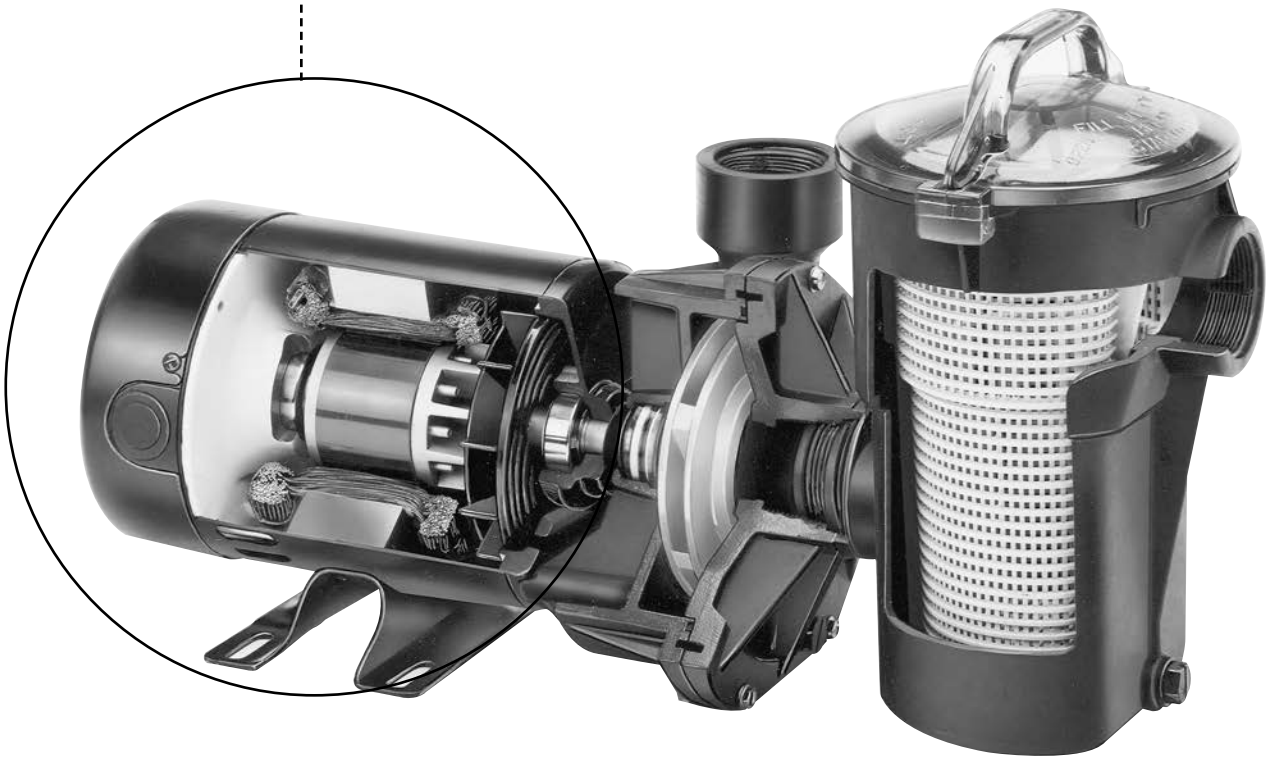
Parts for Pump Models: SP1705, SP1710, SP1711, SP1720, SP1725, (W3)SP1750, (W3)SP1775, (W3)SP1780



Part No.	Description	Ctn. Qty.	List Price
SPX1705AA	Pump Housing	1	**$101.10**
SPX1500KA	Seal Assembly with Cup	10	**41.96**
SPX1720KA	Seal Assembly (PowerFlo II, 1 and 1 1/2 H.P.)	50	**47.99**
SPX1705Z1	Housing O-Ring Gasket	10	**18.94**
SPX1500NY	Housing Nut and Bolt, No. 10-24 Hex. Head	25	**3.42**
SPX1705C	Impeller, 1/2 H.P. (SP1700 Series, PowerFlo II)	10	**45.75**
SPX1707C	Impeller, 3/4 H.P. (SP1700 Series, PowerFlo II)	10	**45.87**
SPX1711C	Impeller, 1 H.P.	10	**48.65**
SPX2607C	Impeller (PowerFlo III, 1 H.P.)	10	**48.31**
SPX2610C	Impeller (PowerFlo III, 1 1/2 H.P.)	20	**49.62**
SPX1500CAP	Strainer Housing with Basket	1	**107.13**
SPX1500D2A	Strainer Cover with O-Ring	10	**63.48**
SPX1500P	Strainer Cover O-Ring	50	**10.81**
SPX1250RA	Strainer Basket	10	**16.37**
SPX1500LX	Strainer Basket – Large, 4 ½" x 7" (1992)	10	**20.04**
SPX1500W	Strainer O-Ring	50	**4.80**
SPX1700FG	Drain Plug with Gasket – SP1700 Series Housing	50	**6.28**
SPX1515C	Strainer Housing C-Clip (2000-2003)	50	**11.03**
SPX1515CN	Strainer Housing C-Clip (2004-)	10	**11.38**
SPX1500JS	Union End Connector – Socket	25	**19.38**
SPX1500G	Union Nut	10	**15.27**
SPX1495Z1	O-Ring, End Connector	50	**3.77**
SPXHKIT12	H-KIT Quick Pump Repair for PowerFlo (Includes SPX1500KA, SPX1580Z1, SPX1500P, SPX1500W, SPX1500H, SPX1705Z1 and Jack's Lube)	10	**49.22**

NOTE: Parts for PowerFlo Pump Motors are listed on page 171.

Parts for PowerFlo Pump Motors for Pumps listed on page 169



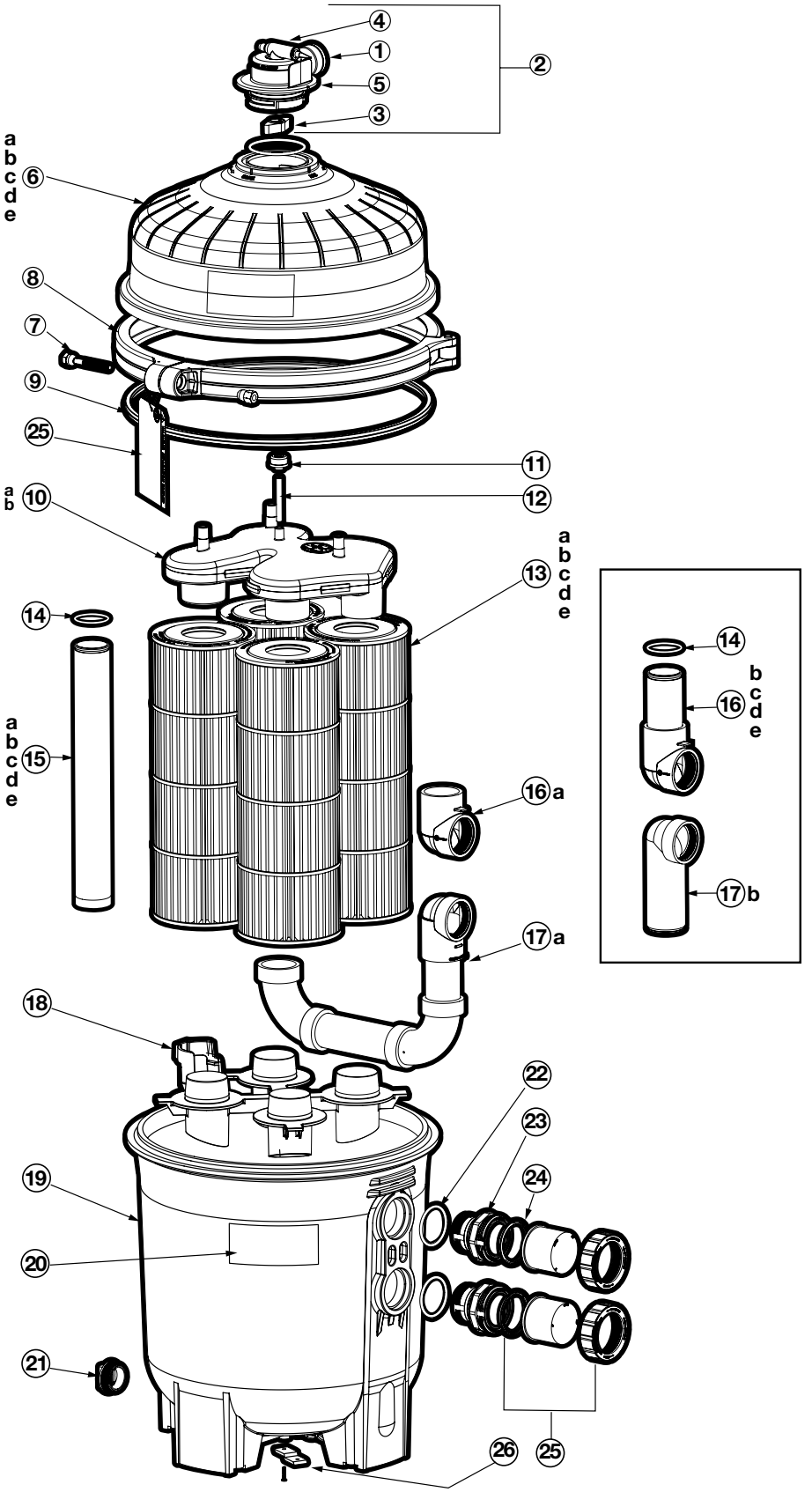
Part No.	Description	Ctn. Qty.	List Price
SPX1500Z1E	Motor, 1/2 H.P. Single Phase, 60 Cycle	1	**$336.72**
SPX1510Z1E	Motor, 3/4 H.P. Single Phase, 60 Cycle	1	**335.96**
SPX1510Z1ECPMV	Motor, Variable Speed	1	**1,391.79**
SPX1510Z1XE	Motor, 1 H.P. Single Phase, 60 Cycle	1	**377.30**
SPX1515Z1E	Motor, 1 1/2 H.P., Single Phase, 60 Cycle	1	**441.29**
SPX1520Z1ESC	Motor, 2 H.P. Single Phase, 60 Cycle	1	**520.09**
SPX1510Z24XE	Dual Speed Motor, 1 H.P., Single Phase, 60 Cycle	1	**468.82**
SPX1500Z15S	Motor Canopy, Flex 48, with On-Off Switch	1	**75.74**
SPX1500S8	Motor Switch – On-Off for Flex 48	10	**30.21**
SPX1500S9	Motor Switch – 3 Position for 2 Speed Flex 48	10	**66.19**
SPX1250WA	Motor Cord 14/3 6 ft.	10	**39.18**
SPX1550WA1	Motor Cord 12/3 3 ft. Twist Lock	25	**59.32**
SPXABG12CORD	Motor Cord, 12/3, 3 ft.	25	**43.11**

Replacement dedicated-purpose pool pump motors that are single-phase and 0.5 Total HP or greater but not variable speed cannot be offered for final retail sale in California per Title 20 CCR Section 1601-1609.

SwimClear™

CARTRIDGE FILTER SERIES REPLACEMENT PARTS

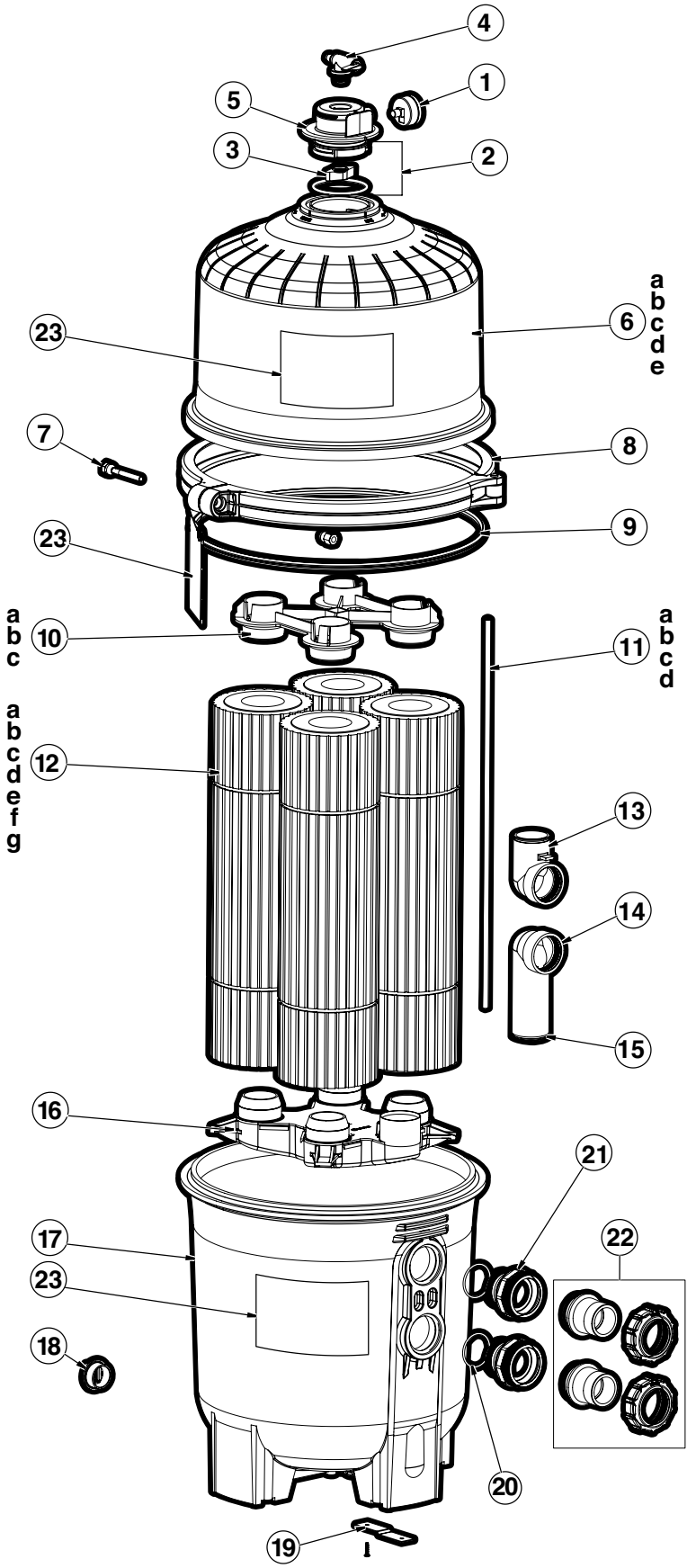
Parts Diagram



Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	ECX2712B1	Pressure Gauge	20	**$31.59**
2	DEX2420Z8A	O-Ring Kit (*set of 2*)	10	**39.72**
3	CCX1000N	Air Relief Valve Nut	50	**5.22**
4	CCX1000V	Manual Air Relief with O-Ring	50	**16.37**
5	DEX2420MAR2	Manual Air Relief Assembly	1	**208.63**
6a	DEX2420BTC	Upper Filter Body with Clamp C2030	1	**732.73**
6b	DEX3620BTC	Upper Filter Body with Clamp C3030	1	**840.68**
6c	DEX4820BTC	Upper Filter Body with Clamp C4030	1	**944.36**
6d	DEX6020BTC	Upper Filter Body with Clamp C5030	1	**1,031.43**
6e	DEX7220BTC	Upper Filter Body with Clamp C7030	1	**1,122.81**
7	DEX2421J2	Clamp Bolt and Nut	10	**47.57**
8	DEX2421JKIT	Clamp System (Includes Clamp, Clamp Nut and Bolt, Hang Tag, Metal Reinforced Seal, and Labels)	1	**566.13**
9	DEX2422Z2	Metal Reinforced Seal	1	**100.46**
10a	CX3030C	Top Manifold C2030, C3030, C4030	1	**123.90**
10b	CX5030C	Top Manifold C5030, C7030	1	**123.95**
11	CX3000J1	Air Relief Filter	150	**20.86**
12	CX2030Z3	Air Relief Tube	10	**16.62**
13a	CX481XRE	Cartridge Element C2030	1	**76.65**
	CX481XREPAK4	Cartridge Elements (4 Pack) C2030	1	**291.29**
13b	CX580XRE	Cartridge Element C3030	1	**105.12**
	CX580XREPAK4	Cartridge Elements (4 Pack) C3030	1	**399.46**
13c	CX880XRE	Cartridge Element C4030	1	**134.93**
	CX880XREPAK4	Cartridge Elements (4 Pack) C4030	1	**512.77**
13d	CX1280XRE	Cartridge Element C5030	1	**168.79**
	CX1280XREPAK4	Cartridge Elements (4 Pack) C5030	1	**641.26**
13e	CX591XRE	Cartridge Element C7030	1	**107.58**
	CX591XREPAK4	Cartridge Elements (4 Pack) C7030	1	**408.72**
	CX7020M	Mid Plate Connector C7030	1	**86.40**
14	DEX2400Z5	Outlet Pipe O-Ring	10	**7.85**
15a	CX3031F6	Outlet Pipe C2030	1	**38.71**
15b	CX3031F7	Outlet Pipe C3030	1	**42.23**
15c	CX3031F8	Outlet Pipe C4030	1	**49.20**
15d	CX3031F9	Outlet Pipe C5030	1	**68.30**
15e	CX3031F10	Outlet Pipe C7030	1	**75.37**
16a	CX3030F	Inlet Elbow (after Sept. 2012)	5	**15.09**
16b	CX3030F1	Outlet Elbow with Pipe C2030 (prior to Sept. 2012)	5	**81.40**
16c	CX3030F2	Outlet Elbow with Pipe C3030 (prior to Sept. 2012)	—	**Discont'd**
16d	CX3030F3	Outlet Elbow with Pipe C4030 (prior to Sept. 2012)	—	**Discont'd**
16e	CX3030F4	Outlet Elbow with Pipe C5030 (prior to Sept. 2012)	—	**Discont'd**
17a	CX3030H	SwimClear Lower Piping Assembly (after Sept. 2012)	1	**141.66**
17b	CX3020FB	Outlet Elbow (prior to Sept. 2012)	5	**76.04**
18	CX3030D	Bottom Cartridge Mounting Plate	1	**77.66**
19	DEX2420ATC	Lower Filter Body with Clamp	1	**1,055.49**
20	DEX2420LA6PAK	Label Pack (Includes all Warning and Operation Labels, Hang Tag, Wire Tie, Owner's Manual)	10	**48.33**
21	SP1022CBLK	1 ½" Drain Plug with O-Ring (Black)	100	**2.17**
22	SX220Z2	Bulkhead O-Ring	10	**13.76**
23	CX3035F	Bulkhead Fitting	25	**43.41**
24	SPX3200UG	Union Gasket (*set of 2*)	100	**17.46**
25	SPX3200UNKIT	Union Connection Kit (2 each of nuts, connectors, gaskets)	10	**66.70**
26	DEX2420DCKIT	(Optional) Tie Down – Strap Kit (2 each of straps, screws)	25	**71.73**

Parts Diagram



Parts Listing

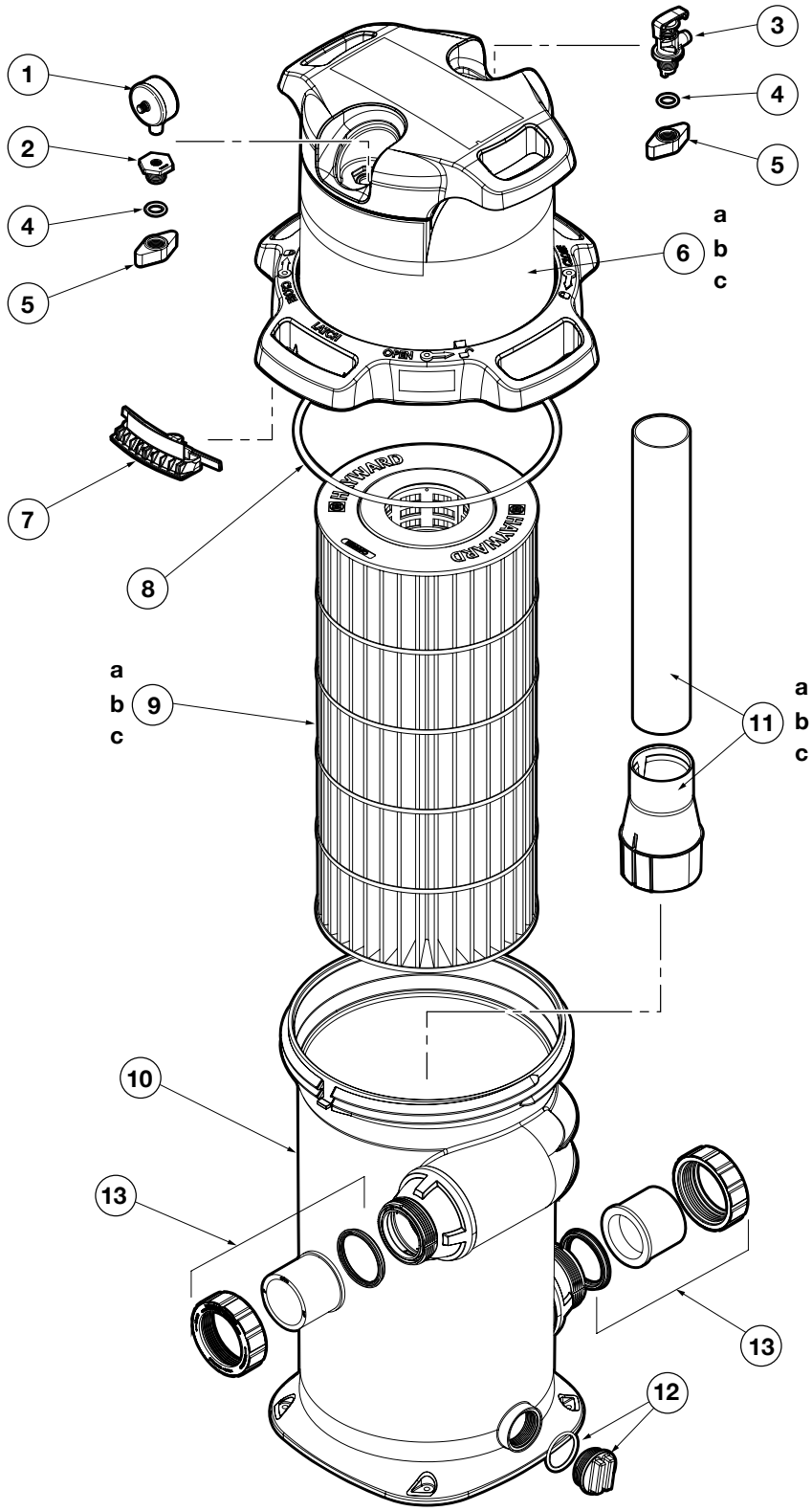
Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	ECX2712B1	Pressure Gauge	20	**$31.59**
2	DEX2420Z8A	O-Ring Kit *(Set of 2)*	10	**39.72**
3	CCX1000N	Manual Air Relief Valve Nut	50	**5.22**
4	CCX1000V	Manual Air Relief Valve with O-Ring	50	**16.37**
5	DEX2420MAR2	Manual Air Relief Assembly	1	**208.63**
6a	DEX2420BTC	Filter Head (C2020/C2025)	1	**732.73**
6b	DEX3620BTC	Filter Head (C3020/C3025)	1	**840.68**
6c	DEX4820BTC	Filter Head (C4020/C4025)	1	**944.36**
6d	DEX6020BTC	Filter Head (C5020/C5025)	1	**1,031.43**
6e	DEX7220BTC	Filter Head (C7000/C7020)	1	**1,122.81**
7	DEX2421J2*	Clamp Bolt and Nut	10	**47.57**
8	DEX2421JKIT	Clamp Assembly (Including Clamp, Clamp Nut and Bolt, Warning Hang Tag, Metal Reinforced Seal and Labels)	1	**566.13**
9	DEX2422Z2*	Metal Reinforced Seal	1	**100.46**
10a	CX2020DA	Top Closure Plate (C2020/C2025)	1	**122.15**
10b	CX3020DA	Top Closure Plate (C3020/C3025, C4020/C4025)	1	**84.51**
10c	CX5020DA	Top Closure Plate (C5020/C5025)	1	**76.75**
11a	CX800Z4	Air Relief Tube Assembly (C2020/C2025)	20	**Discont'd**
11b	CX3000Z3	Air Relief Tube Assembly (C3020/C3025)	50	**14.65**
11c	CX4000Z3	Air Relief Tube Assembly (C4020/C4025)	50	**15.61**
11d	CX5000Z3	Air Relief Tube Assembly (C5020/C5025)	50	**17.75**
12a	CX480XRE	Replacement Element (C2020/C2025)	1	**76.65**
	CX480XREPAK4	Cartridge Elements (C2020, C2025) – 4 Pack	1	**291.29**
12b	CX580XRE	Replacement Element (C3020/C3025)	1	**105.12**
	CX580XREPAK4	Cartridge Elements (C3020, C3025) – 4 Pack	1	**399.46**
12c	CX880XRE	Replacement Element (C4020/C4025)	1	**134.93**
	CX880XREPAK4	Cartridge Elements (C4020, C4025) – 4 Pack	1	**512.77**
12d	CX875XRE	Replacement Element (C4520)	1	**158.62**
	CX875XREPAK4	Cartridge Elements (C4520) – 4 Pack	1	**602.82**
12e	CX1280XRE	Replacement Element (C5020/C5025)	1	**168.79**
	CX1280XREPAK4	Cartridge Elements (C5020, C5025) – 4 Pack	1	**641.26**
12f	CX1380XRE	Replacement Element (C5520 Series)	1	**Discont'd**
	CX1380XREPAK4	Cartridge Elements (C5520) – 4 Pack	1	**Discont'd**
12g	CX590XRE	Replacement Element (C7000/C7020)	1	**Discont'd**
	CX590XREPAK4	Cartridge Elements (C7000, C7020) – 4 Pack	1	**408.72**
—	CX7020M	Mid Plate Connector (C7000/C7020 Models Only)	1	**86.40**
13	CX3000F1B	Inlet Elbow	25	**Discont'd**
14	CX3020FB	Outlet Elbow	5	**76.04**
15	DEX360M	O-Ring	100	**5.54**
16	CX3000C	Bottom Collector Manifold	—	**Discont'd**
	CX3030CKIT	Top Manifold Conversion Kit (C2020/C2025/C3020/C3025/C4020/C4025)	1	**279.89**
	CX5030CKIT	Top Manifold Conversion Kit (C5020/C5025/C7000/C7020)	1	**279.89**
17	DEX2420ATC	Filter Body	1	**1,055.49**
18	SP1022CBLK	1 ½" Drain Plug with O-Ring	100	**2.17**
19	DEX2420DCKIT	Strap Kit (Optional)	25	**71.73**
20	SX220Z2	O-Ring	10	**13.76**
21	DEX2420F	Bulkhead Fitting	25	**43.41**
22	DE2400PAK2CS	Plumbing Kit (Includes 2 O-Rings, 2 Slip Connectors and 2 Locknuts)	10	**54.88**
23	DEX2420LA6PAK	Label Pack (Includes all Warning and Operation Labels, Hang Tag (#24), Wire Tie and Owner's Manual)	10	**48.33**

NOTE: *Compatible only with DEX2421JKIT clamp system for Hayward Pro-Grid™ D.E. and SwimClear™ cartridge filters.

SwimClear™

C100S, C150S, C200S CARTRIDGE FILTER SERIES REPLACEMENT PARTS

Parts Diagram



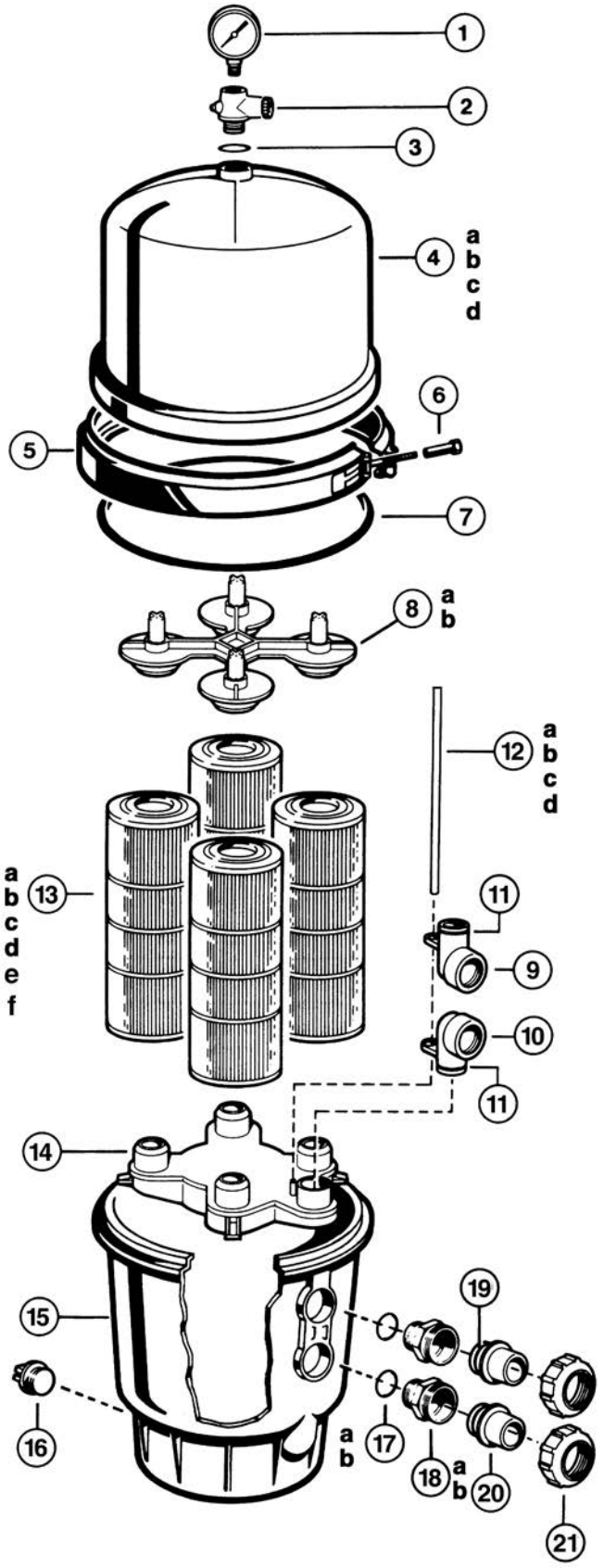
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	ECX271261	Pressure Gauge	20	**$31.59**
2	CCX1000L	Threaded Adapter for Pressure Gauge	50	**3.74**
3	CXRLV1001	Air Relief Assembly with O-Ring	20	**16.67**
4	CXGAR1001PAK2	O-Ring Kit (*Set of 2*)	20	**3.18**
5	CCX1000N	Adapter Nut (*Set of 2*)	50	**5.22**
6a	CX100B	Filter Head Assembly, C100S	1	**311.95**
6b	CX150B	Filter Head Assembly, C150S	1	**383.60**
6c	CX200B	Filter Head Assembly, C200S	1	**459.71**
7	CXLRL1001	Latch for Lock Ring	10	**14.65**
8	CXFHR1001	O-Ring for Filter Head	10	**20.63**
9a	CX100XRE	Cartridge Element C100S	1	**166.92**
9b	CX150XRE	Cartridge Element C150S	1	**177.14**
9c	CX200XRE	Cartridge Element C200S	1	**228.08**
10	CXFBA1001	Filter Body Assembly	1	**808.10**
11a	CXFDA100	Filter Diffuser Assembly C100S	1	**34.18**
11b	CXFDA150	Filter Diffuser Assembly C150S	1	**36.98**
11c	CXFDA200	Filter Diffuser Assembly C200S	1	**39.30**
12	SP1022CBLK	Drain Plug with O-Ring	100	**2.17**
13	SPX3200UNKIT	Union Connection Kit (2 each of Nuts, Connectors and Gaskets)	10	**66.70**
OPTIONAL				
—	SPX1500JS	Union Connector 1.5" Socket	25	**$19.38**
—	SPX1500JT	Union Connector 1.5" FIP	—	**Discont'd**

Super StarClear™

C2000, C3000, C4000, C5000 CARTRIDGE FILTER SERIES REPLACEMENT PARTS (Duralon™ and PermaGlass XL™)

Parts Diagram



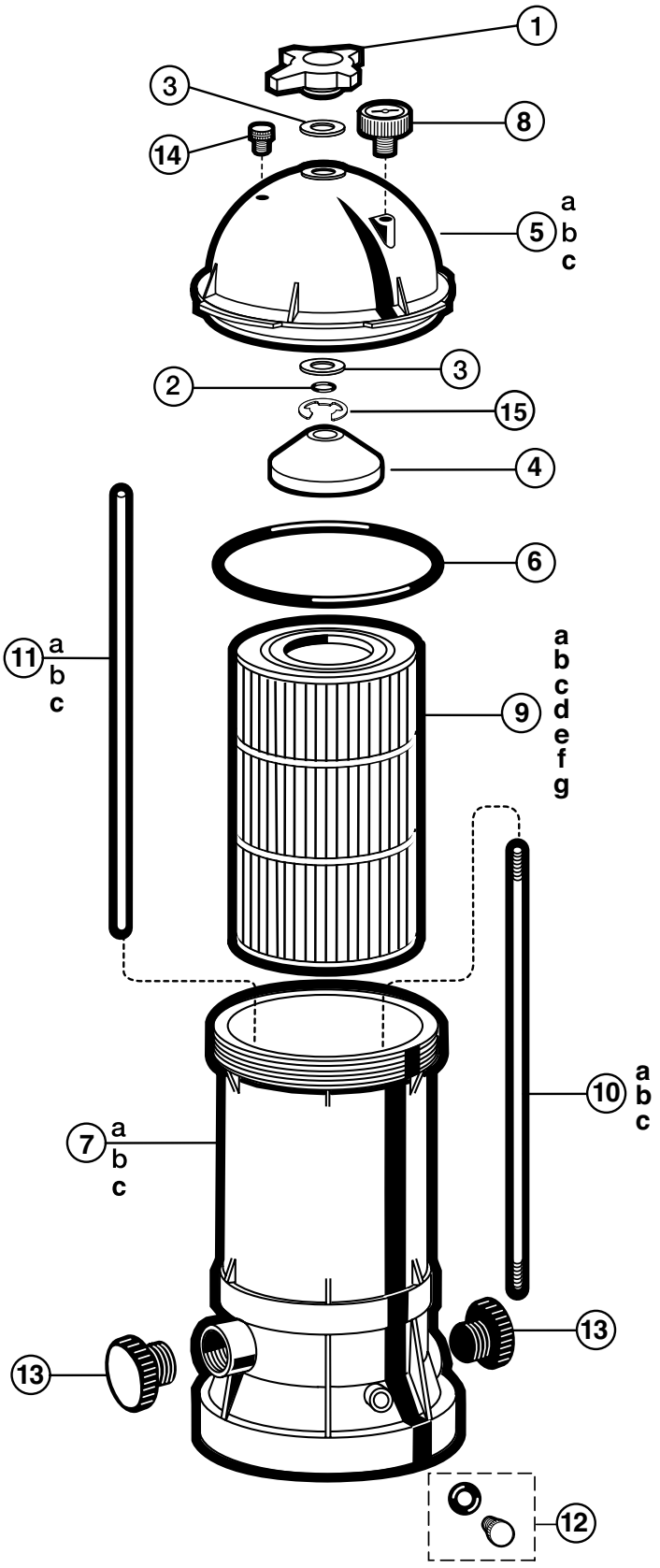
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	ECX270861	Pressure Gauge	50	**$31.44**
2	DEX2400S	Relief Valve/Gauge Adapter Assembly	100	**43.83**
—	DEX2400Z3A	O-Ring for Relief Valve Stem *(Set of 3)*	100	**12.98**
3	SX200Z5	Relief Valve Assembly O-Ring	50	**3.18**
4a	DEX2400BT	Filter Head (C2000)	—	**Discont'd**
4b	DEX3600BT	Filter Head (C3000)	—	**Discont'd**
4c	DEX4800BT	Filter Head (C4000)	—	**Discont'd**
4d	DEX6000BT	Filter Head (C5000)	—	**Discont'd**
5	DEX2400J	Clamp Assembly	—	**Discont'd**
6	DEX2400JN	Brass Sleeve Nut	—	**Discont'd**
7	DEX2400K	Filter Tank O-Ring	—	**Discont'd**
8a	CX3000DA	Top Closure Plate (C3000/4000)	—	**Discont'd**
8b	CX5000DA	Top Closure Plate (C5000)	—	**Discont'd**
9	CX3000F1B	Inlet Elbow	25	**Discont'd**
10	CX3000FB	Buttress Thread Outlet Elbow Assembly	—	**Discont'd**
11	DEX360M	O-Ring	100	**5.54**
12a	CX800Z4	Air Relief Tube (C2000)	20	**13.96**
12b	CX3000Z3	Air Relief Tube (C3000)	50	**14.65**
12c	CX4000Z3	Air Relief Tube (C4000)	50	**15.61**
12d	CX5000Z3	Air Relief Tube (C5000)	50	**17.75**
13a	CX480XRE	Replacement Element (C2000)	1	**76.65**
	CX480XREPAK4	Cartridge Element (C2000) – 4 Pack	1	**291.29**
13b	CX580XRE	Replacement Element (C3000)	1	**105.12**
	CX580XREPAK4	Cartridge Element (C3000) – 4 Pack	1	**399.46**
13c	CX880XRE	Replacement Element (C4000)	1	**134.93**
	CX880XREPAK4	Cartridge Element (C4000) – 4 Pack	1	**512.77**
13d	CX875XRE	Replacement Element (C4500)	1	**158.62**
	CX875XREPAK4	Cartridge Element (C4500) – 4 Pack	1	**602.82**
13e	CX1280XRE	Replacement Element (C5000)	1	**168.79**
	CX1280XREPAK4	Cartridge Element (C5000) – 4 Pack	1	**641.26**
13f	CX1380XRE	Replacement Element (C5500)	1	**Discont'd**
	CX1380XREPAK4	Cartridge Element (C5500) – 4 Pack	1	**669.87**
14	CX3000C	Bottom Collector Manifold	—	**Discont'd**
15	DEX2400A1T	Filter Body	—	**Discont'd**
16	SP1022CBLK	1 ½" Drain Plug with O-Ring	100	**2.17**
17a	SX200Z3	O-Ring (1995 and Prior)	50	**6.38**
17b	SX360Z1	O-Ring (after 1996)	25	**11.43**
18a	DEX360F	Bulkhead Fitting	—	**Discont'd**
18b	DEX360FB	Buttress Thread Bulkhead Fitting	—	**Discont'd**
19	SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	**8.96**
20	SX240F	1 ½" SKT x 2" SLIP Connector	5	**20.44**
21	SX200R	Locknut	25	**10.19**

StarClear™ Plus

CARTRIDGE FILTER SERIES AND SEPARATION TANK REPLACEMENT PARTS

Parts Diagram



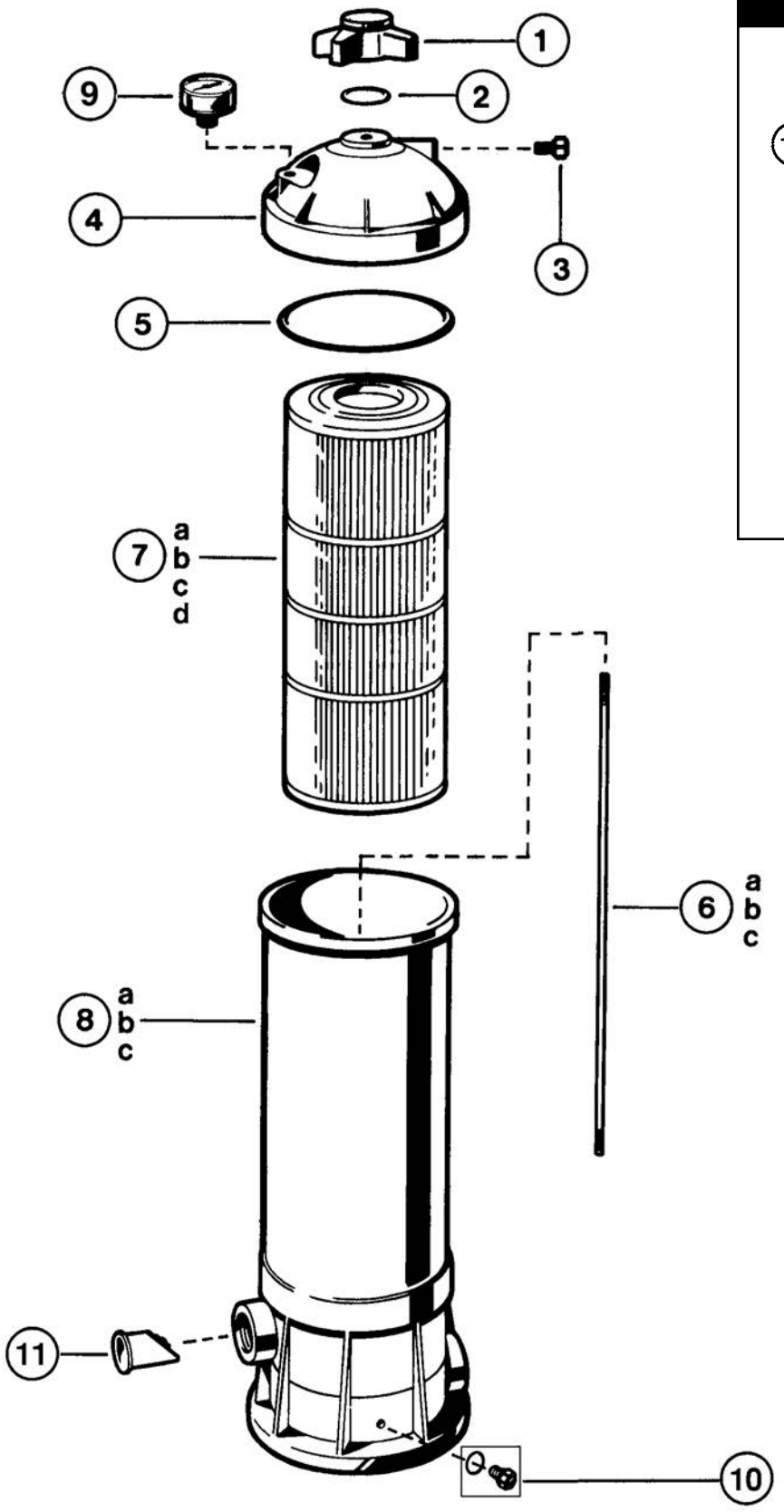
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	CX900G	Locking Knob (C751, C900, C1200, C1502 Series)	5	**$67.25**
	CX900DA	Knob Accessory Kit (Includes Plastic Washers, O-Ring, Guide Cone and E-Clip)	20	**26.42**
	CX1750G	Locking Knob (C1750, C2002 Series)	5	**85.29**
2	CX900H	Knob O-Ring	50	**4.65**
3	CX900WPAK2	Knob Washer *(Set of 2)*	25	**11.84**
4	CX900D	Guide Cone	10	**11.13**
5a	CX900B	Filter Head with Directional Vent Valve (C751, C900 Series)	1	**182.97**
5b	CX1200B	Filter Head with Directional Vent Valve (C1200, C1502 Series)	1	**263.07**
5c	CX1750B	Filter Head with Directional Vent Valve (C1750, C2002 Series)	1	**382.22**
6	CX900F	Filter Head O-Ring	50	**40.87**
7a	CX900AA	Filter Body – 1 ½" FIP (C751, C900)	1	**Discont'd**
	CX900AA2	Filter Body – 2" FIP (C7512, C9002, C9002S)	1	**Discont'd**
7b	CX1200AA	Filter Body – 1 ½" FIP (C1200)	—	**Discont'd**
	CX1200AA2	Filter Body – 2" FIP (C12002, C12002S, C1502)	—	**Discont'd**
7c	CX1750AA2	Filter Body – 2" FIP (C17502, C17502S, C2002)	1	**Discont'd**
8	ECX271261	Pressure Gauge	20	**31.59**
9a	CX760RE	Cartridge Element (C751 Series)	1	**127.69**
9b	CX900RE	Cartridge Element (C900 Series)	1	**143.11**
9c	CX1200RE	Cartridge Element (C1200 Series)	1	**178.76**
9d	CX1520RE	Cartridge Element (C1502 Series)	—	**Discont'd**
9e	CX2020RE	Cartridge Element (C2002 Series)	1	**300.77**
9f	CX1750RE	Cartridge Element (C1750 Series)	1	**258.76**
9g	CX1900RE	Cartridge Element (C1900 Series)	1	**274.35**
10a	CX800Z2	Tie Rod (C751, C900 Series)	1	**184.77**
10b	CX1100Z2	Tie Rod (C1200, C1502 Series)	1	**212.32**
10c	CX1750Z2	Tie Rod (C1750, C2002 Series)	1	**270.34**
11a	CX800Z4	Air Relief Tube (C751, C900 Series)	20	**Discont'd**
11b	CX1100Z4	Air Relief Tube (C1200, C1502 Series)	10	**15.19**
11c	CX1750Z4	Air Relief Tube (C1750, C2002 Series)	1	**22.53**
12	CX250Z14A	Drain Plug Kit (Includes Plug and O-Ring)	50	**8.79**
13	CX900K	2" PVC Socket Connector	20	**Discont'd**
14	ECX1322A	Directional Vent Valve with O-Ring	20	**12.61**
15	CX900J	E-Ring	20	**15.24**
D.E. SEPARATION TANK Parts are same as C900 except replace cartridge element with option below.				
—	CX900DB	D.E. Collector Bag Assembly (May 2004 and Prior)	1	**$305.50**
—	CX900DBA	D.E. Collector Bag Assembly (after May 2004)	1	**278.90**

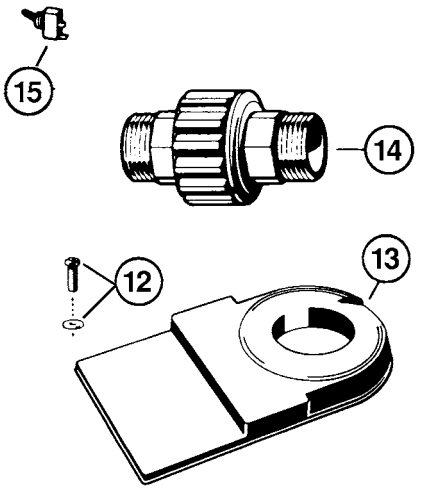
StarClear™

CARTRIDGE FILTER SERIES REPLACEMENT PARTS

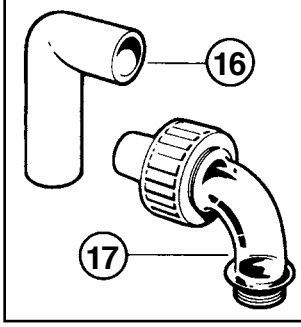
Parts Diagram



C SERIES SYSTEMS



FLEX LOOP SYSTEM



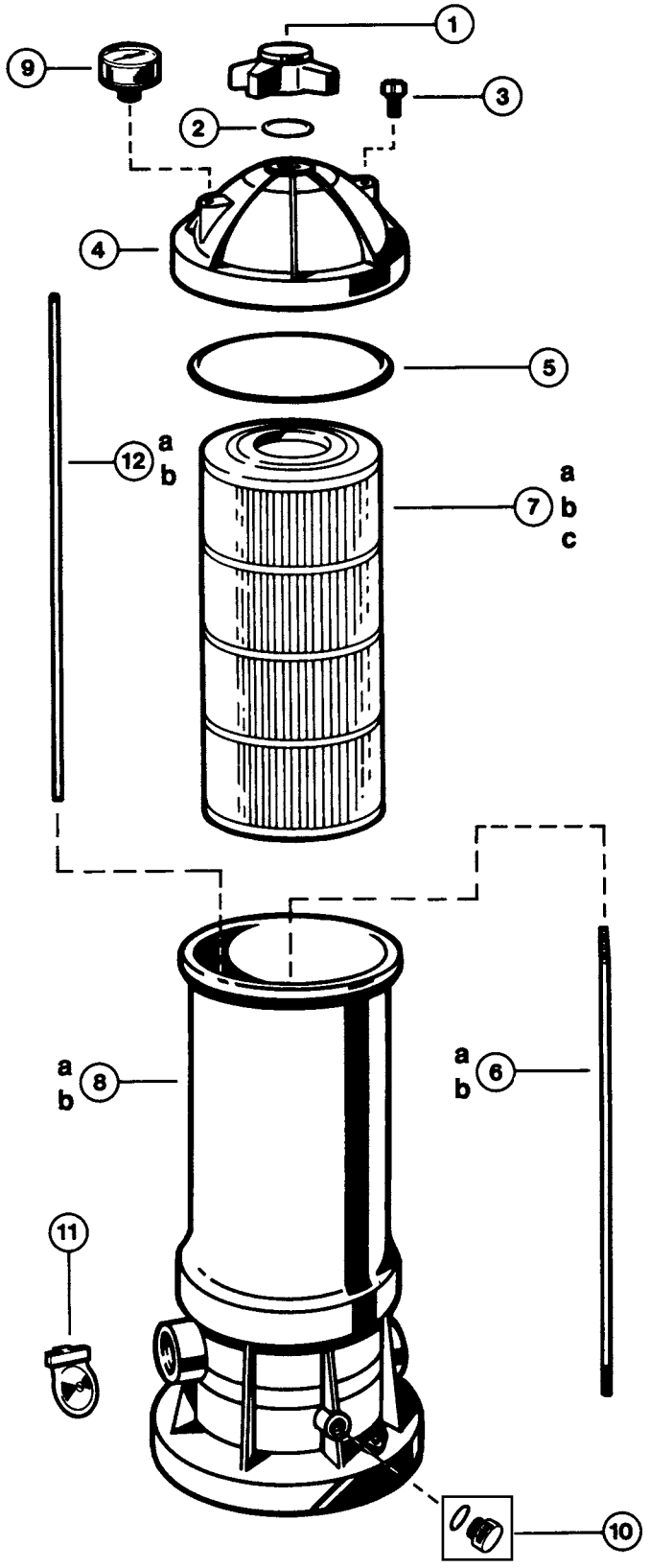
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	CX250G	Locking Knob	10	**$28.34**
2	CX250Z7	O-Ring	20	**3.99**
3	ECX1322A	Directional Vent Valve with O-Ring	20	**12.61**
4	CX250C	Filter Head (Dome) with Air Relief Valve	4	**110.19**
5	CX250F	Filter Head Gasket	50	**36.71**
6a	CX250Z2S	Tie Rod (C250), 18 9/32"	0	**85.34**
6b	CX500Z2S	Tie Rod (C500), 28 3/32"	1	**108.37**
6c	CX750Z2S	Tie Rod (C750, C100), 38 1/16"	1	**147.32**
7a	CX250RE	Cartridge Element (C250)	1	**62.71**
7b	CX500RE	Cartridge Element (C500)	1	**89.41**
7c	CX750RE	Cartridge Element (C750)	1	**119.77**
7d	CX1000RE	Cartridge Element (C100)	1	**151.06**
8a	CX250AA1	Filter Body with Tie Rod Assembly (C250)	—	**Discont'd**
8b	CX500AA1	Filter Body with Tie Rod Assembly (C500)	—	**Discont'd**
8c	CX750AA1	Filter Body with Tie Rod Assembly (C750, C100)	1	**Discont'd**
9	ECX27091	Pressure Gauge, Back Mount	25	**34.64**
10	CX250Z14A	Drain Plug Kit	50	**8.79**
11	ECX4077B1	Check Valve (optional)	20	**24.70**
C Series Systems				
—	SPX1250WA	6 ft. Cord Set– No. 14/3 AWG	10	**$41.51**
—	ECX1248	Cord Strain Relief	—	**Discont'd**
12	ECX1108A	Pump Mounting Screw with Washer	10	**6.38**
13	EC1161PAK	Platform Base with Screws – Low Profile	1	**71.75**
14	SP1480BLK	1 1/2" Male Union	50	**26.54**
15	ECX1325	Switch Assembly	10	**21.89**
Modular Flex Loop Systems				
16	ECX1326A	Flex Loop Elbow	20	**$27.33**
17	SPX14853	Sweep Elbow Union Assembly	20	**70.59**

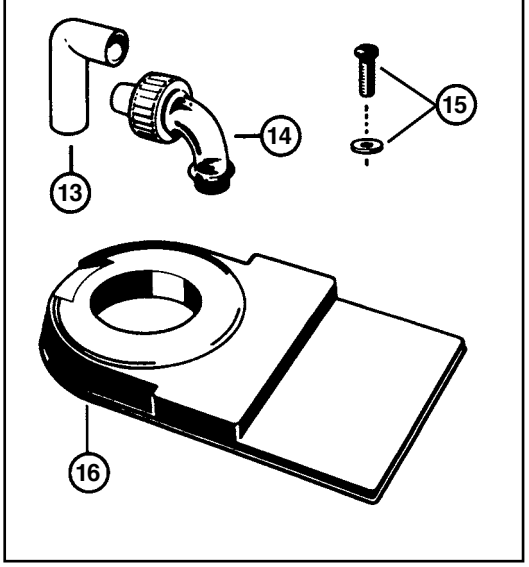
StarClear II™

CARTRIDGE FILTER SERIES AND SEPARATION TANK REPLACEMENT PARTS

Parts Diagram



StarClear II
SELECT-A-SYSTEMS



Parts Listing

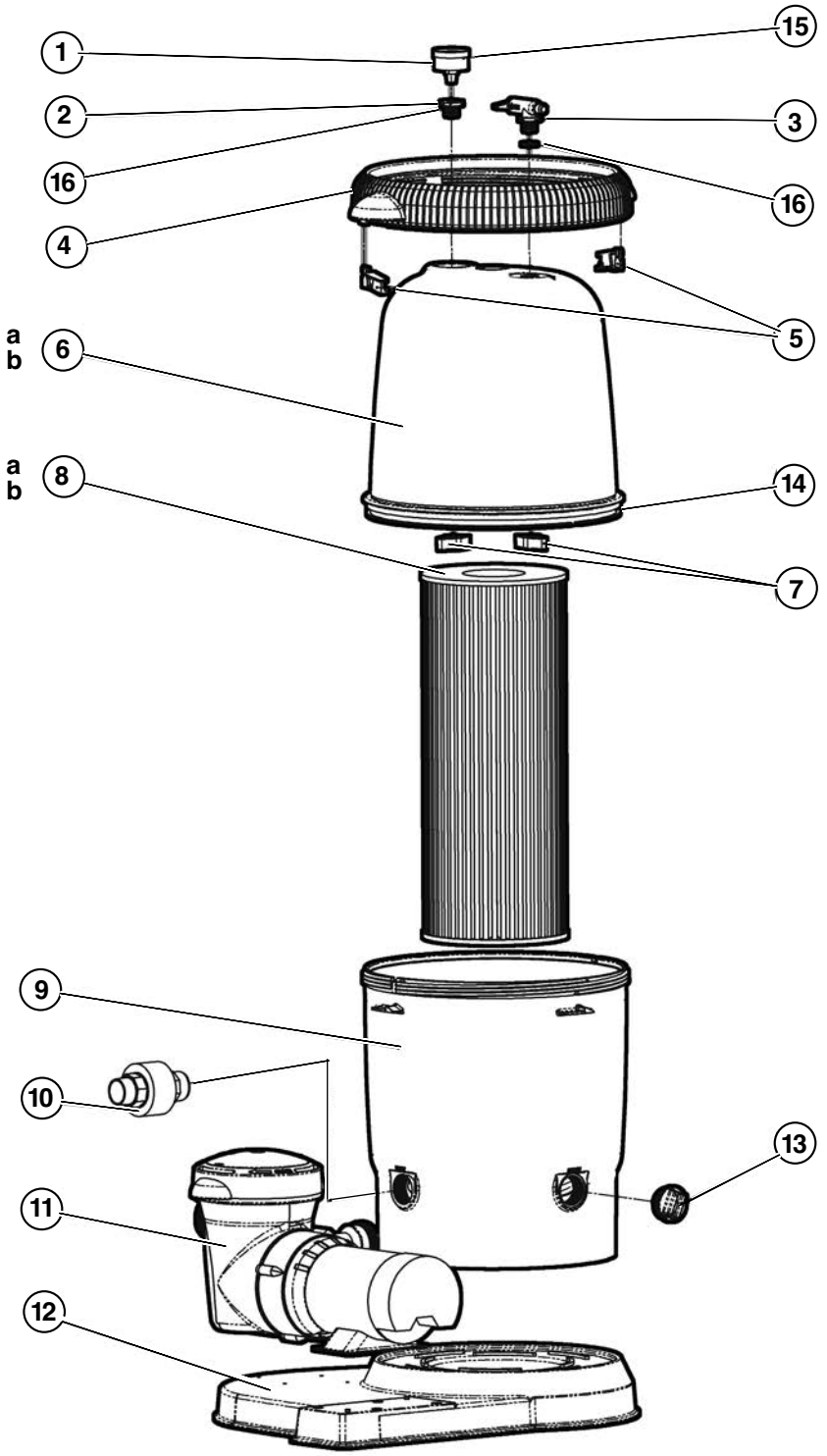
Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	CX800G	Locking Knob	—	**Discont'd**
2	CX250Z7	O-Ring	20	**$3.99**
3	ECX1322A	Directional Vent Valve with O-Ring	20	**12.61**
4	CX800C	Filter Head (Cover) with Air Relief Valve	1	**141.02**
5	CX800F	Filter Head O-Ring	30	**40.80**
6a	CX800Z2	Tie Rod (C800)	1	**184.77**
6b	CX1100Z2	Tie Rod (C1100)	1	**212.32**
7a	CX800RE	Cartridge Element (C800)	1	**131.19**
7b	CX1100RE	Cartridge Element (C1100)	1	**170.17**
7c	CX800RE	Cartridge Element (C1500) – 2 Required	1	**131.19**
—	CX1500C	Cartridge Joiner (to join two C800RE cartridges in C1500 Filter)	5	**16.50**
8a	CX800AA*	Filter Tank Body – 1 ½" (C800)	—	**Discont'd**
8b	CX1500AA*	Filter Tank Body – 1 ½" (C1500)	—	**Discont'd**
9	ECX27091	Pressure Gauge	25	**34.64**
10	CX250Z14A	Drain Plug Kit (Includes Plug and O-Ring)	50	**8.79**
11	CX800HA	Check Valve Assembly (optional)	—	**Discont'd**
12a	CX800Z4	Auto Air Relief Tube (C800)	20	**13.96**
12b	CX1100Z4	Auto Air Relief Tube (C1100)	10	**15.19**
Modular Selecta-Systems				
13	ECX1326A	Flex Loop Elbow	20	**$27.33**
14	SPX14853	Sweep Elbow Union Assembly	20	**70.59**
15	ECX1108A	5/16" x 3/4" Mounting Screws (2) and 5/16" Washers (2) Kit	10	**6.38**
16	EC1161PAK	Platform Base with Screws – Low Profile	1	**71.75**
D.E. SEPARATION TANK Parts are same as C1100 except replace cartridge element with bag below.				
—	CX1100DB	D.E. Collector Bag Assembly	—	**Discont'd**

NOTE: *1 ½" NPT ports are standard. Add suffix 2 to part number for 2" NPT ports or 2S for 2" socket connections.

XStream® Filtration Series

CARTRIDGE FILTER SERIES REPLACEMENT PARTS

Parts Diagram



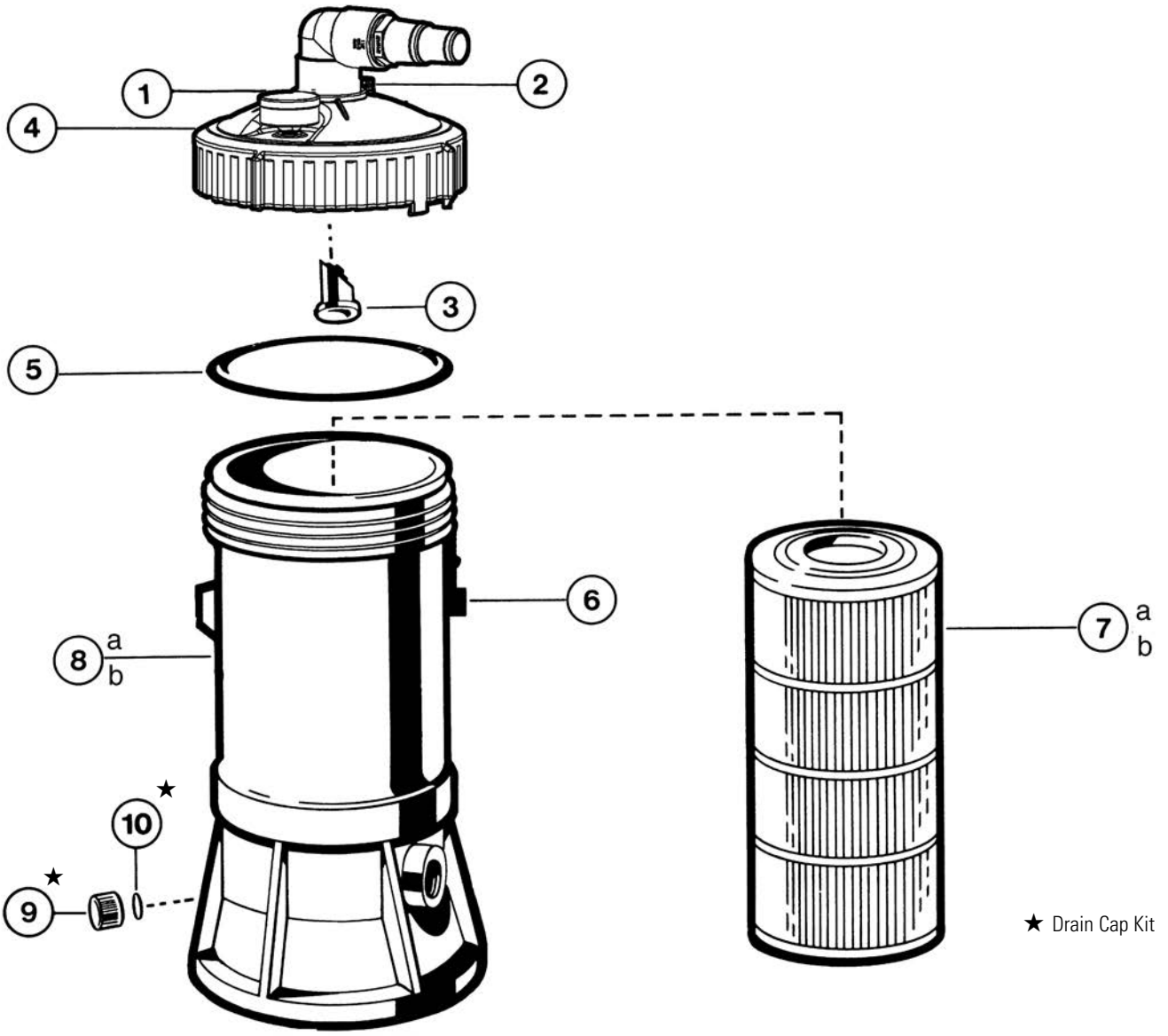
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	ECX2709A1	Pressure Gauge	10	1	**$32.63**
2	CCX1000L	Threaded Adapter for Pressure Gauge	50	1	**3.74**
3	CCX1000V	Air Relief Assembly with O-Ring	50	1	**16.37**
4	CCX1000D	Lock Ring Assembly with 2 Safety Clips	1	1	**299.10**
5	CCX1000H	Safety Clips for Lock Ring *(Set of 2)*	50	2	**8.67**
6a	CCX1000C	Filter Lid with Lock Ring, 100 sq. ft.	1	1	**485.91**
6b	CCX1500C	Filter Lid with Lock Ring, 150 sq. ft.	1	1	**531.95**
7	CCX1000N	Adapter Nut *(Set of 2)*	50	2	**5.22**
8a	CCX1000RE	Cartridge Element, 100 sq. ft.	1	1	**110.41**
8b	CCX1500RE	Cartridge Element, 150 sq. ft.	1	1	**152.24**
9	CCX1000B	Filter, Lower Body	1	1	**311.51**
10	SP1480BLK	Self Aligning Union, Black	50	1	**26.54**
11	Varies per model	Above-ground Pump	—	1	**Discont'd**
12	CCX1000A	Base, Standard	1	1	**175.36**
13	SP1022CBLK	Drain Plug with O-Ring, Threaded 1 ½", Black	100	1	**2.17**
14	CCX1000G	Body O-Ring	50	1	**27.75**
15	SPX1500W	Pressure Gauge O-Ring	50	1	**4.80**
16	CCX1000Z5	O-Ring for Gauge Adapter and Air Relief	10	2	**5.10**

EasyClear™

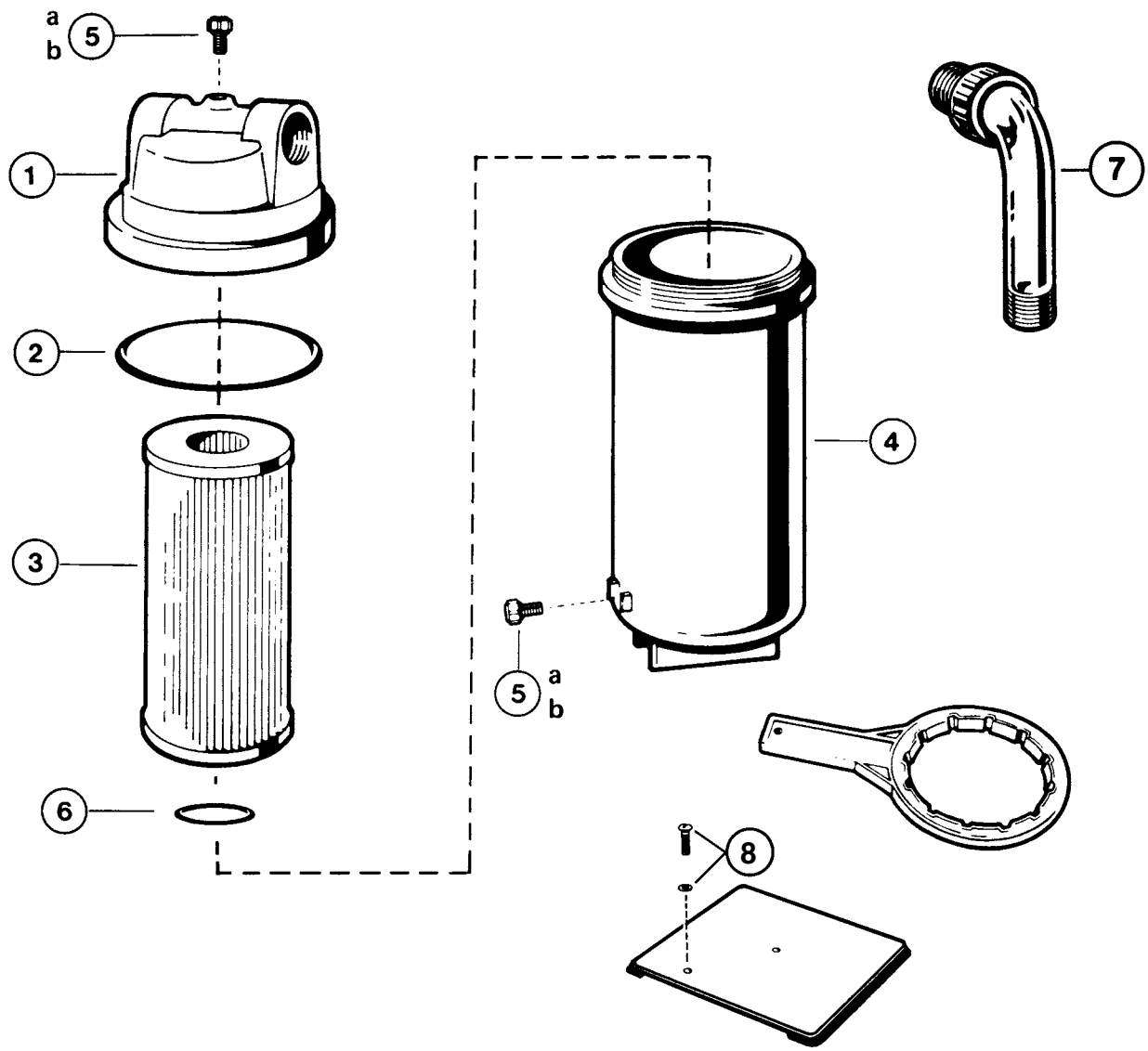
C400, 550 CARTRIDGE FILTER SERIES REPLACEMENT PARTS

Parts Diagram and Parts Listing



Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	ECX27091	Gauge	25	1	**$34.64**
2	ECX1322A	Vent Valve with O-Ring	20	1	**12.61**
3	ECX4077B1	Check Valve	20	1	**24.70**
4	CX400BA	Filter Head (Cover) with Check Valve and Locking Ring	1	1	**168.72**
5	CX400G	Filter Head (Cover) O-Ring	10	1	**46.78**
6	CX400D	Locking Ring Latch	10	1	**13.94**
7a	CX410RE	Filter Element (40 sq. ft.)	1	1	**93.89**
7b	CX550RE	Filter Element (55 sq. ft.)	1	1	**104.65**
8a	CX400AA	Filter Body (C400)	1	1	**Discont'd**
8b	CX550AA	Filter Body (C550)	—	1	**Discont'd**
9	SX200Z8	Drain Cap	—	1	**Discont'd**
10	SX200Z9	Gasket	25	1	**2.17**
★	SX200Z8A	Drain Cap Kit (Includes #9 & 10)	50	1	**6.77**

Parts Diagram and Parts Listing



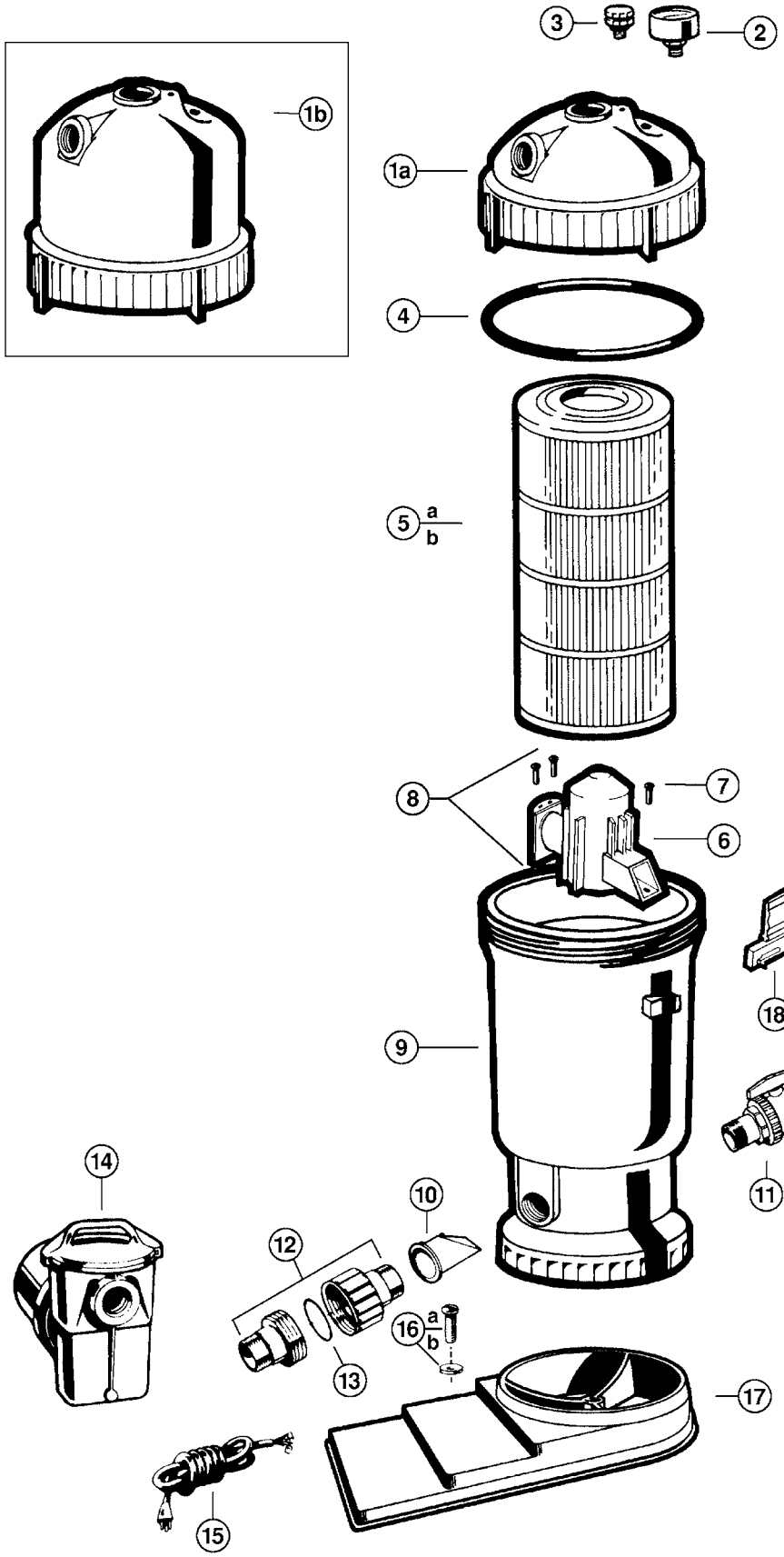
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	CX120AA	Filter Head with Vent Valve – 1 ½" NPT	1	1	**$86.45**
2	CX120D	O-Ring	100	1	**17.83**
3	CX225RE	Cartridge Element – 25 sq. ft. (C225)	1	1	**51.46**
4	CX120B	Filter Body Housing	1	1	**Discont'd**
5a	ECX1321A*	Air Relief Valve with O-Ring	—	2	**Discont'd**
5b	ECX1322A	Directional Vent Valve with O-Ring	20	1	**12.61**
—	CX250Z15	By-Pass Plug (Internal)	1	1	**2.09**
6	SPX1485C	Gasket	25	1	**6.43**
7	SPX1485BPAK	Threaded Elbow Union Assembly	10	1	**84.06**
—	S200KT	Wrench Tool for Body Housing (optional)	10	10	**21.55**
8	ECX1108A	Pump Mounting Screw with Washer	10	2	**6.38**

NOTE: *Replace with ECX1322A.

ASL Filter Series

C850, C1250 CARTRIDGE FILTER SERIES REPLACEMENT PARTS

Parts Diagram



Parts Listing

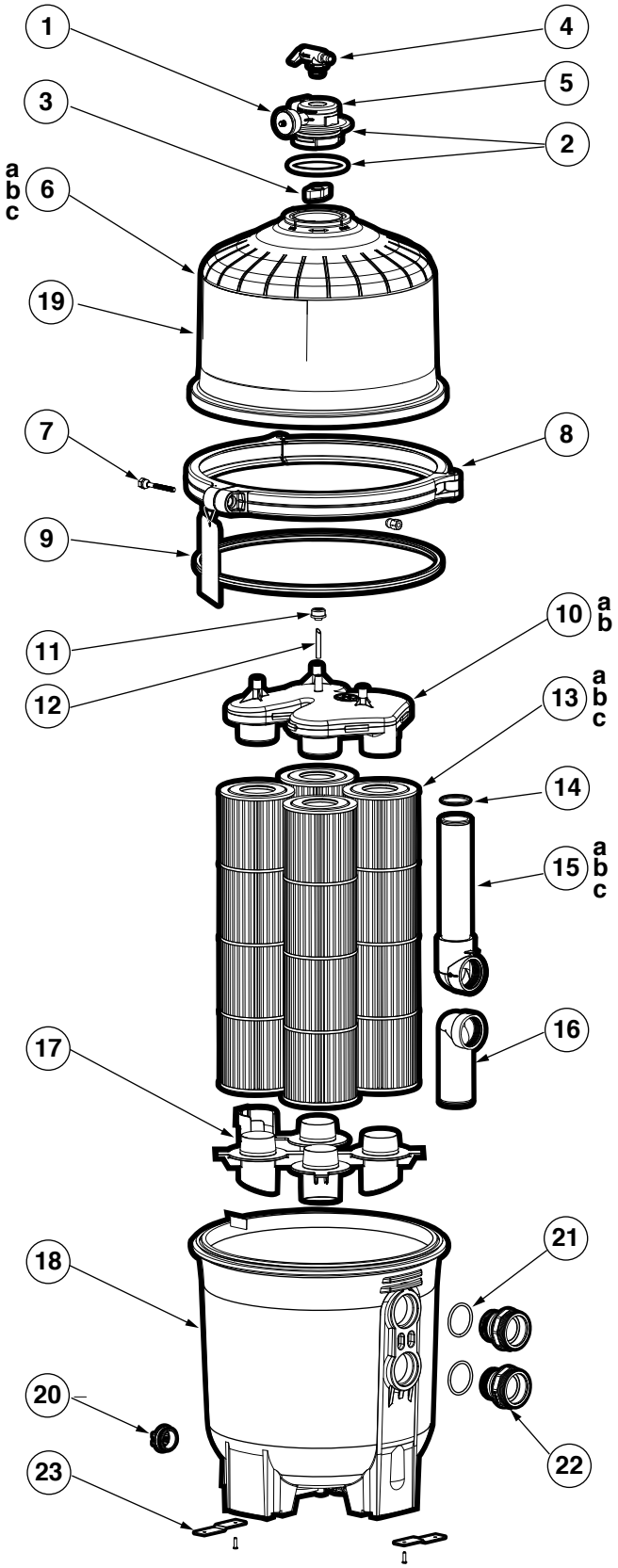
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1a	SCX45BC	C850 Lid with Locking Ring	1	1	**Discont'd**
1b	SCX70BC	C1250 Lid with Locking Ring	1	1	**Discont'd**
2	ECX27091	Pressure Gauge	25	1	**$34.64**
3	ECX1322A	Directional Vent Valve with O-Ring	20	1	**12.61**
4	RGX45G	Filter Head O-Ring	20	1	**Discont'd**
5a	CX850RE	Cartridge Element	1	1	**Discont'd**
5b	CX1250RE	Cartridge Element	—	1	**Discont'd**
6	RGX45D*	Diffuser	1	1	**Discont'd**
7	RGX45Z1	Diffuser Screws	50	3	**Discont'd**
8	RGX45DA	Diffuser and Diffuser Screws (3) (Includes #6 & 7)	—	1	**Discont'd**
9	RGX45AA	Filter Body	—	1	**Discont'd**
10	ECX4077B1	Check Valve	20	1	**24.70**
—	ECX1005A	Snap Ring for Check Valve	—	1	**Discont'd**
11	SP0723	Ball Valve	24	1	**47.15**
12	SP1480	1 ½" Male Union	50	1	**Discont'd**
13	SPX1425Z6	O-Ring	25	1	**4.16**
14	Varies per model	Power-Flo Pump	1	1	**Discont'd**
15	SPX1250WA	6 ft. Cord Set	10	4	**41.51**
16a	ECX1108A	Pump Mounting Screw with Washer	10	4	**6.38**
16b	ECX1161Z2	Pump Mounting Screw Set with Washer	10	4	**10.59**
17	EC1169PAK	Modular Platform Base	—	1	**Discont'd**
18	CX400D	Locking Ring Latch	10	1	**13.94**

NOTE: *Limited Quantity Available – Replace with RGX45DA

DEP 500 Series

PLEATED ELEMENT D.E. FILTER REPLACEMENT PARTS

Parts Diagram



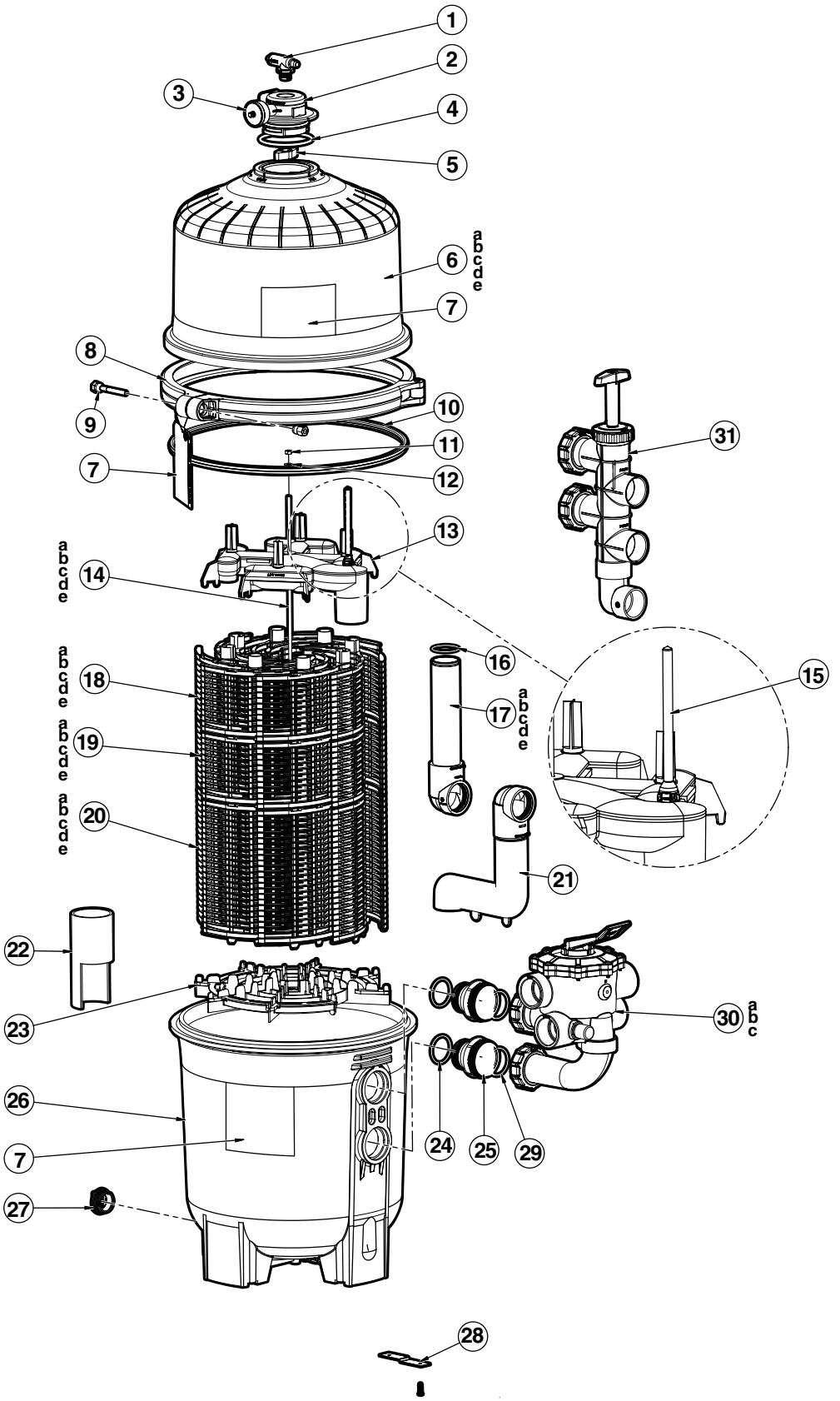
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	ECX2712B1	Pressure Gage	20	**$31.59**
2	DEX2420Z8A	O-Ring Kit *(Set of 2)*	10	**39.72**
3	CCX1000N	Air Relief Valve Nut	50	**5.22**
4	CCX1000V	Manual Air Relief with O-Ring	50	**16.37**
5	DEX2420MAR2	Manual Air Relief Assembly	1	**208.63**
6a	DEX3620BTC	Upper Filter Body DEP60	1	**840.68**
6b	DEX4820BTC	Upper Filter Body DEP80	1	**944.36**
6c	DEX6020BTC	Upper Filter Body DEP100	1	**1,031.43**
7	DEX2421J2	Clamp Bolt & Nut	10	**47.57**
8	DEX2421JKIT	Clamp System Including: Clamp, Clamp Nut and Bolt, Hang Tag, Metal Reinforced Seal, and Labels	1	**566.13**
9	DEX2422Z2	Metal Reinforced Seal	1	**100.46**
10a	CX3030C	Top Manifold	1	**123.90**
10b	CX5030C	Top Manifold, DEP100	1	**123.95**
11	CX3000J1	Air Relief Filter	150	**20.86**
12	CX2030Z3	Air Relief Tube	10	**16.62**
13a	DEX150E	Cartridge Element DEP60 (1 of 4 Required)	1	**111.49**
	DEX150EPAK4	Cartridge DEP60 *(4 Pack)*	1	**423.66**
13b	DEX200E	Cartridge Element DEP80 (1 of 4 Required)	1	**179.08**
	DEX200EPAK4	Cartridge DEP80 *(4 Pack)*	1	**680.46**
13c	DEX250E	Cartridge Element DEP100 (1 of 4 Required)	1	**219.61**
	DEX250EPAK4	Cartridge DEP100 *(4 Pack)*	1	**834.50**
14	DEX2400Z5	O-Ring	10	**7.85**
15a	DEX60EA	Outlet Elbow Assembly DEP60	5	**103.69**
15b	DEX80EA	Outlet Elbow Assembly DEP80	5	**111.12**
15c	DEX100EA	Outlet Elbow Assembly DEP100	4	**117.25**
16	CX3020FB	Inlet Elbow	5	**76.04**
17	CX3030D	Bottom Seal Plate	1	**77.66**
18	DEX2420ATC	Lower Filter Body	1	**1,055.49**
19	DEX6040LA6PAK	Label Pack: Includes all Warning and Operation Labels, Hang Tag, Wire Tie, and Owner's Manual	—	**Discont'd**
20	SP1022CBLK	1 1/2" Drain Plug with O-Ring	100	**2.17**
21	SX220Z2	O-Ring	10	**13.76**
22	DEX2420F	Bulkhead Fitting	25	**43.41**
23	DEX2420DCKIT	Strap Kit (Optional)	25	**71.73**

ProGrid™

VERTICAL GRID D.E. FILTER SERIES REPLACEMENT PARTS

Parts Diagram



Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	CCX1000V	Manual Air Relief Valve with O-Ring	50	1	**$16.37**
2	DEX2420MAR2	Manual Air Relief Assembly	1	1	**208.63**
3	ECX2712B1	Pressure Gauge	20	1	**31.59**
4	DEX2420Z8A	O-Ring Kit *(Set of 2)*	10	1	**39.72**
5	CCX1000N	Manual Air Relief Valve Nut	50	1	**5.22**
6a	DEX2420BTC	Filter Head (DE2420)	1	1	**732.73**
6b	DEX3620BTC	Filter Head with Clamp (DE3620)	1	1	**840.68**
6c	DEX4820BTC	Filter Head with Clamp (DE4820)	1	1	**944.36**
6d	DEX6020BTC	Filter Head with Clamp (DE6020)	1	1	**1,031.43**
6e	DEX7220BTC	Filter Head (DE7220)	1	1	**1,122.81**
7	DEX2420LA6PAK	Label Pack (Includes all warning and operation labels, hang tag (#10), wire tie and owner's manual)	10	1	**48.33**
8	DEX2421JKIT	Clamp System including: Clamp, Clamp Nut and Bolt, Warning Hang Tag, Metal Reinforced Seal and Labels	1	1	**566.13**
9	DEX2421J2*	Clamp Bolt and Nut	10	1	**47.57**
10	DEX2422Z2*	Metal Reinforced Seal	1	1	**100.46**
11	ECX176865	Retainer Nut, 5/16" – 18	25	1	**3.32**
12	ECX1109	Washer, 5/16" (2 Required)	10	2	**2.66**
13	DEX2400C	Top Collector Manifold with Flex Air Relief Assembly	1	1	**106.96**
14a	DEX2400R	Retainer Rod (DE2420)	5	1	**72.91**
14b	DEX3600R	Retainer Rod (DE3620)	5	1	**79.63**
14c	DEX4800R	Retainer Rod (DE4820)	5	1	**90.59**
14d	DEX6000R	Retainer Rod (DE6020)	5	1	**109.47**
14e	DEX7200R	Retainer Rod (DE7220)	5	1	**124.64**
15	DEX2400CR	Flex Air Relief Assembly	50	1	**30.41**
16	DEX2400Z5	Outlet Elbow O-Ring	10	1	**7.85**
17a	DEX2420EA	Outlet Elbow Assembly with O-Ring (DE2420)	5	1	**101.62**
17b	DEX3620EA	Outlet Elbow Assembly with O-Ring (DE3620)	10	1	**103.69**
17c	DEX4820EA	Outlet Elbow Assembly with O-Ring (DE4820)	5	1	**111.12**
17d	DEX6020EA	Outlet Elbow Assembly with O-Ring (DE6020)	5	1	**117.25**
17e	DEX7220EA	Outlet Elbow Assembly with O-Ring (DE7220)	10	1	**122.50**
18a	DEX2420DC	Filter Element Cluster Assembly (DE2420)	1	1	**645.42**
18b	DEX3600DC**	Filter Element Cluster Assembly (DE3620)	1	1	**754.89**
18c	DEX4800DC**	Filter Element Cluster Assembly (DE4820)	1	1	**940.10**
18d	DEX6000DC**	Filter Element Cluster Assembly (DE6020)	1	1	**1,119.63**
18e	DEX7200DC**	Filter Element Cluster Assembly (DE7220)	1	1	**1,335.52**
19a	DEX2400DA	Filter Element (DE2420)	10	7	**30.68**
19b	DEX3600DA	Filter Element (DE3620)	10	7	**41.12**
19c	DEX4800DA	Filter Element (DE4820)	10	7	**47.94**
19d	DEX6000DA	Filter Element (DE6020)	10	7	**55.75**
19e	DEX7200DA	Filter Element (DE7220)	10	7	**67.37**
20a	DEX2400DS	Filter Element – Short (DE2420)	10	1	**32.08**
20b	DEX3600DS	Filter Element – Short (DE3620)	10	1	**39.32**
20c	DEX4800DS	Filter Element – Short (DE4820)	10	1	**49.54**
20d	DEX6000DS	Filter Element – Short (DE6020)	10	1	**57.49**
20e	DEX7200DS	Filter Element – Short (DE7220)	10	1	**68.77**
21	DEX2420GA	Inlet Elbow	5	1	**121.56**
22	DEX2420T	Element Spacer (DE2420 Only)	5	1	**56.26**
23	DEX2400H	Filter Element Locator	1	1	**70.20**
24	SX220Z2	Bulkhead O-Ring (2 Required)	10	2	**13.76**
25	DEX2420F	Bulkhead Fitting (2 Required)	25	2	**43.41**
26	DEX2420ATC	Filter Body with Clamp	1	1	**1,055.49**
27	SP1022CBLK	1 ½" Drain Plug with O-Ring	100	1	**2.17**
28	DEX2420DCKIT	Strap Kit: 2 Straps, 2 Screws (Optional)	25	1	**71.73**
29	SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	1	**8.96**
30a	SP0740DE	Selecta-Flo™ Valve Assembly – 2" SKT	1	1	**379.19**
30b	SP0710XR50	Vari-Flo™ Valve Assembly – 1 ½" NPT	1	1	**239.53**
30c	SP0715XR50	Vari-Flo Valve Assembly – 2" NPT	1	1	**378.43**
31	SP0410X502S	Slide Valve Assembly – 2" SKT	1	1	**176.84**

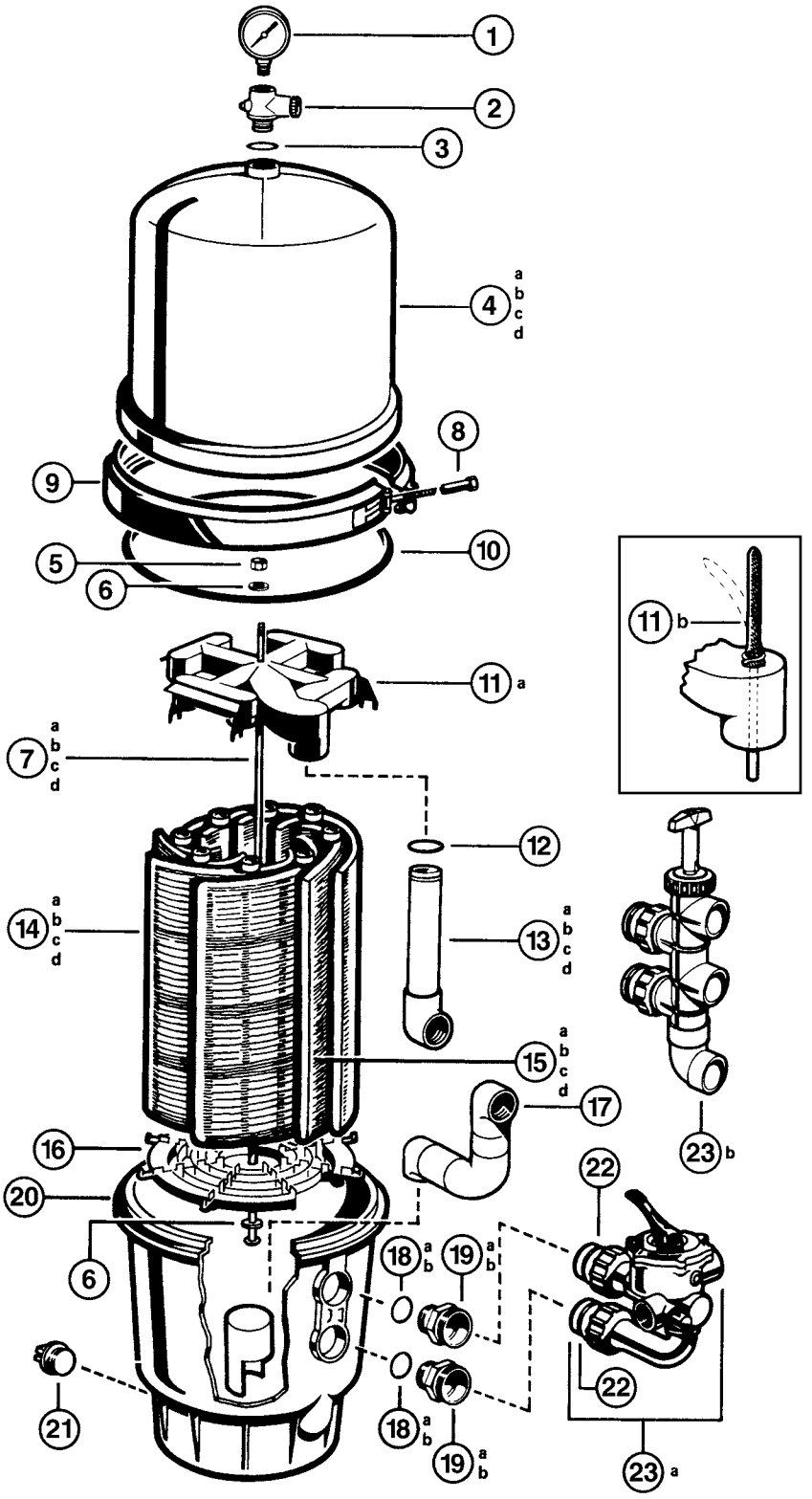
NOTES: *Compatible only with DEX2421JKIT clamp system for Hayward ProGrid D.E. and SwimClear cartridge filters.

**Assembled set of filter elements, manifold flex air relief, retainer rod and element locator.

MicroClear™

VERTICAL GRID D.E. FILTER SERIES REPLACEMENT PARTS

Parts Diagram



Parts Listing

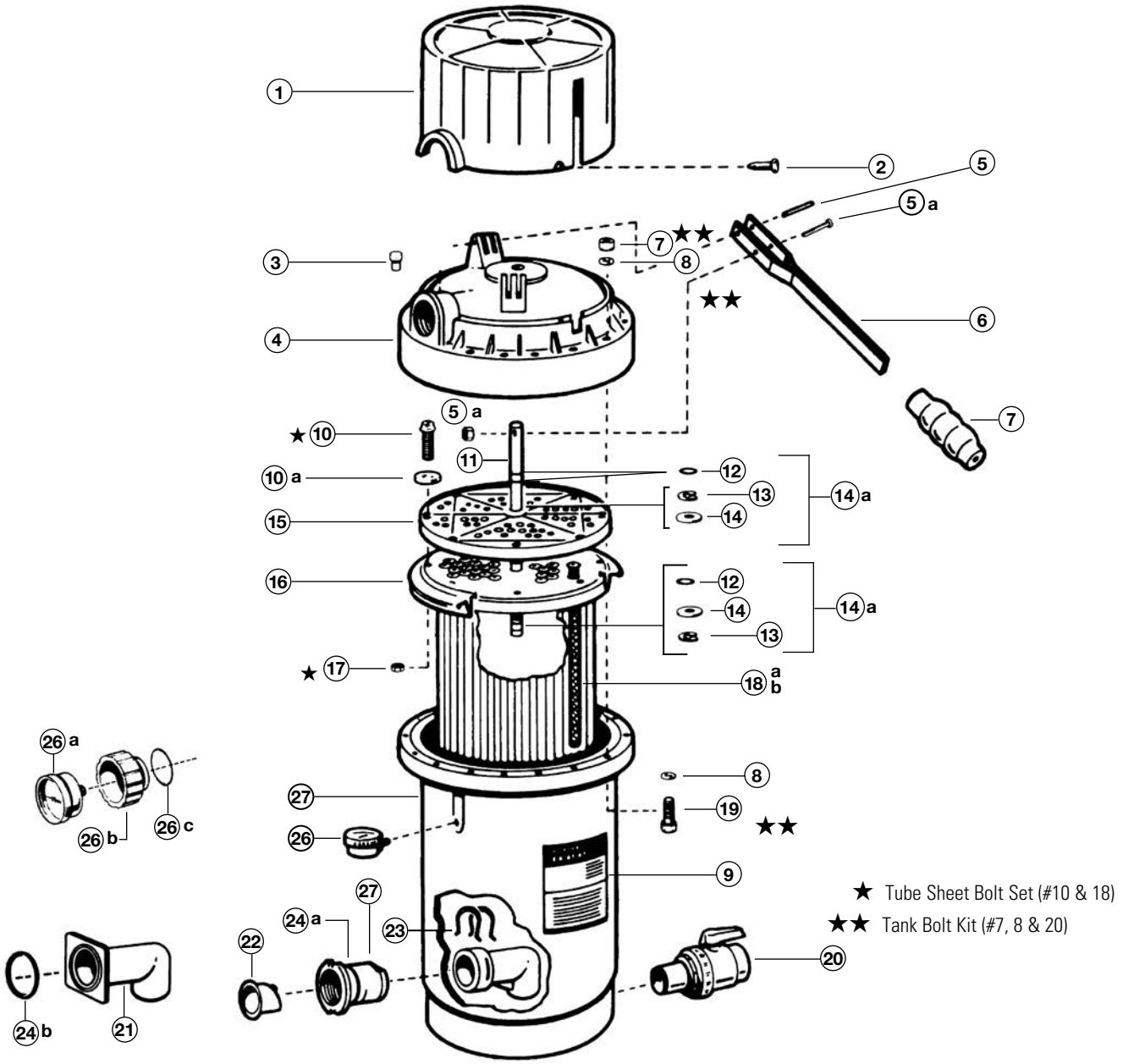
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	ECX270861	Pressure Gauge	50	1	**$31.44**
2	DEX2400S	Relief Valve/Gauge Adapter Assembly	100	1	**43.83**
—	DEX2400Z3A	O-Ring for Relief Valve Stem	100	1	**12.98**
3	SX200Z5	Relief Valve Assembly O-Ring	50	1	**3.18**
4a	DEX2400BT	Filter Head (DE2400)	—	—	**Discont'd**
4b	DEX3600BT	Filter Head (DE3600)	—	—	**Discont'd**
4c	DEX4800BT	Filter Head (DE4800)	—	—	**Discont'd**
4d	DEX6000BT	Filter Head (DE6000)	—	—	**Discont'd**
5	ECX176865	Retainer Nut, 5/16" – 18	25	1	**3.32**
6	ECX1109	Washer, 5/16"	10	2	**2.66**
7a	DEX2400R	Retainer Rod (DE2400)	5	1	**72.91**
7b	DEX3600R	Retainer Rod (DE3600)	5	1	**79.63**
7c	DEX4800R	Retainer Rod (DE4800)	5	1	**90.59**
7d	DEX6000R	Retainer Rod (DE6000)	5	1	**109.47**
8	DEX2400JN	Brass Sleeve Nut, 5/16" – 24	—	—	**Discont'd**
9	DEX2400J	Clamp Assembly with Spring Assemblies	—	—	**Discont'd**
10	DEX2400K	Filter Tank O-Ring	—	—	**Discont'd**
11a	DEX2400C	Top Collector Manifold with Flex Air Relief	1	1	**106.96**
11b	DEX2400CR	Flex Air Relief Assembly	50	1	**30.41**
12	DEX2400Z5	Outlet Elbow O-Ring	10	1	**7.85**
13a	DEX2400EAB	Outlet Elbow Assembly (DE2400)	—	—	**Discont'd**
13b	DEX3600EAB	Outlet Elbow Assembly (DE3600)	—	—	**Discont'd**
13c	DEX4800EAB	Outlet Elbow Assembly (DE4800)	—	—	**Discont'd**
13d	DEX6000EAB	Outlet Elbow Assembly (DE6000)	—	—	**Discont'd**
14a	DEX2400DA	Filter Element (DE2400)	10	7	**30.68**
14b	DEX3600DA	Filter Element (DE3600)	10	7	**41.12**
14c	DEX4800DA	Filter Element (DE4800)	10	7	**47.94**
14d	DEX6000DA	Filter Element (DE6000)	10	7	**55.75**
15a	DEX2400DS	Filter Element – Short (DE2400)	10	1	**32.08**
15b	DEX3600DS	Filter Element – Short (DE3600)	10	1	**39.32**
15c	DEX4800DS	Filter Element – Short (DE4800)	10	1	**49.54**
15d	DEX6000DS	Filter Element – Short (DE6000)	10	1	**57.49**
16	DEX2400H	Filter Element Locator	1	1	**70.20**
17	DEX2400GAB	Inlet Elbow Assembly	—	—	**Discont'd**
18a	SX200Z3	O-Ring (1995 and Prior)	50	2	**6.38**
18b	SX360Z1	O-Ring (1996-)	25	2	**11.43**
19a	DEX360F	Bulkhead Fitting	—	—	**Discont'd**
19b	DEX360FB	Buttress Thread Bulkhead Fitting	—	—	**Discont'd**
20	DEX2400A1T	Filter Body	—	—	**Discont'd**
21	SP1022CBLK	1 ½" Drain Plug with O-Ring	100	1	**2.17**
22	SX200Z4PAK2	Valve/Union O-Ring	25	1	**8.96**
23a	SP0710XR50	Vari-Flo Valve Assembly – 1 ½" NPT	1	1	**239.53**
—	SP0715XR50	Vari-Flo Valve Assembly – 2" NPT	1	1	**378.43**
—	SP0740DE	Selecta-Flo Valve Assembly – 2" SKT	1	1	**379.19**
23b	SP0410X502S	Slide Valve Assembly – 2" SKT	1	1	**176.84**
—	DEX2400DC*	Filter Element Cluster Assembly (DE2400)	1	1	**Discont'd**
—	DEX3600DC*	Filter Element Cluster Assembly (DE3600)	1	1	**800.17**
—	DEX4800DC*	Filter Element Cluster Assembly (DE4800)	1	1	**940.10**
—	DEX6000DC*	Filter Element Cluster Assembly (DE6000)	1	1	**1,119.63**

NOTE: *Assembled set of filter elements, manifold, flex air relief, retainer rod and element locator.

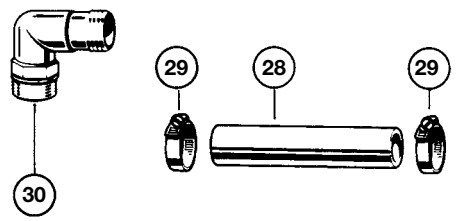
Perflex®

EC65, (W3)EC65A, EC75 AND (W3)EC75A EXTENDED-CYCLE D.E. FILTER REPLACEMENT PARTS

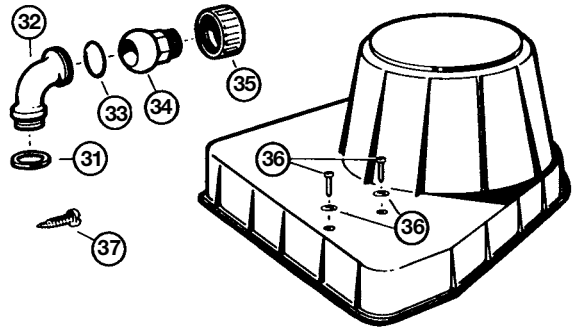
Parts Diagram



SERIES EC65 – STANDARD



SERIES EC65 SYSTEM III



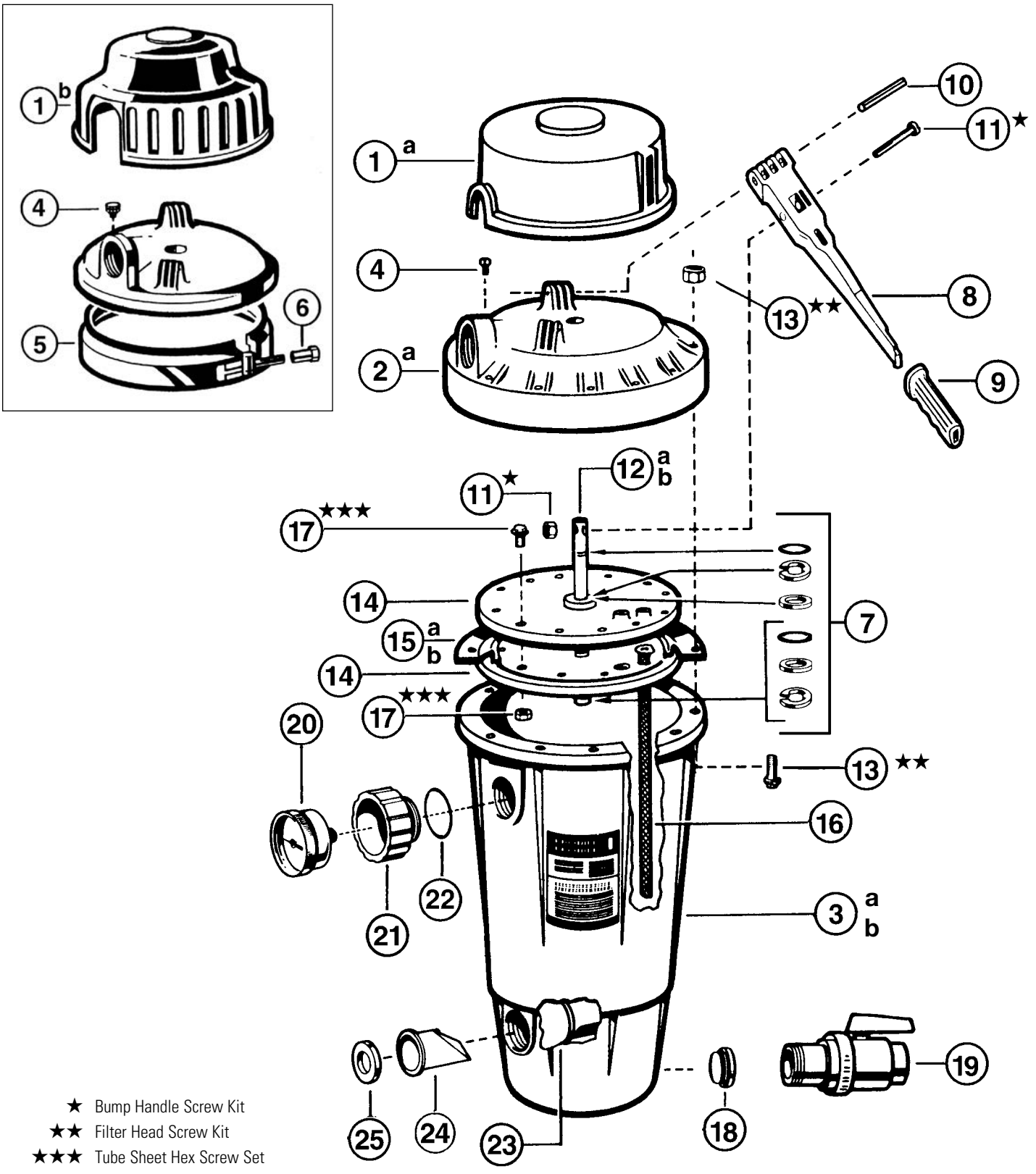
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	ECX11206	Bump Mechanism Cover	1	1	**$76.58**
2	ECX1019	Cover Screw (1981 and Prior) – Not Available	—	1	**Discont'd**
3	ECX1322A	Vent Valve (Threaded) with O-Ring	20	1	**12.61**
4	ECX11194AT	Filter Head with New Vent Valve	1	1	**355.46**
5	ECX100Z9	Roll Pin	50	2	**5.71**
5a	ECX4236A	Bump Screw Kit	1	1	**6.99**
6	ECX1040	Bump Handle Assembly (Includes Pin, Shoulder Screw, Nut)	5	1	**53.78**
—	ECX1037B	Bump Handle Grip	—	1	**Discont'd**
7	ECX1642A	Tank Bolt Set	20	15	**8.35**
8	ECX1077	1/4" x 1 1/16" O.D. Flat Washer	50	30	**1.50**
9	ECX1230	Decal – Operation	—	1	**Discont'd**
10	SPX1500N1	Tube Sheet Screw	50	16	**2.98**
10a	ECX1641125	Flat Washer (1989 and Prior)	25	16	**1.21**
11	ECX1110	Bump Shaft	25	1	**72.10**
12	ECX9611246PAK3	Shaft O-Ring Kit *(Set of 3)*	25	1	**4.51**
13	ECX1014PAK2	Retainer Clip (Set of 2)	25	1	**9.63**
14	ECX1011	Thrust Washer	25	2	**4.01**
14a	ECX1014A	Shaft Kit (Includes #12, 13 & 14)	25	1	**20.07**
15	ECX11034SET	Tube Sheet Set (Top and Bottom)	10	1	**103.59**
16	ECX1105	Diaphragm Gasket	10	1	**114.57**
17	SPX1500Y1	Tube Sheet Nut	50	16	**2.24**
18a	ECX1031PAK5	EC65 Flex Tube 13 3/8" Long *(Set of 5)*	10	12	**40.65**
18b	ECX1032PAK10	EC75 Flex Tube 16 1/4" Long *(Set of 10)*	10	24	**99.62**
19	ECX1642215	1/4" – 20 x 1 3/4" Hex. Head Bolt	25	15	**4.83**
20	SP0723	Ball-Type Drain Valve	—	1	**47.15**
21	ECX4220A	Elbow Assembly with Check Valve	10	1	**69.86**
22	ECX4077B1	Check Valve	20	1	**24.70**
23	ECX4212A	Retainer Clip (1989 and Prior)	10	2	**15.91**
24a	SPX1425Z6	O-Ring (1989 and Prior)	25	1	**4.16**
24b	SPX1500W	O-Ring (1990)	50	1	**4.80**
25	ECX4201CA	Inlet Fitting with ECX4077B1 Check Valve	10	1	**79.34**
26	ECX2712B1	Pressure Gauge	20	1	**31.59**
26a	ECX27091	Pressure Gauge, Back Mount	25	1	**34.64**
26b	ECX12866	Gauge/Port Adapter	10	1	**26.81**
26c	ECX1287	Adapter O-Ring	25	1	**6.55**
27	ECX11184AT	Filter Body with new Elbow Assembly	1	1	**670.04**
★	SPX1500NYA	Tube Sheet Bolt Set (Includes #10 & 18)	50	1	**5.32**
★★	ECX1642A	Tank Bolt Kit (EC65, 75 – Includes #7, 8 & 20)	20	15	**8.35**
—	ECX1251	Flex-Tube Nest (EC65 – Includes Items 10 thru 19)	1	—	**1,281.90**
—	ECX125175	Flex-Tube Nest (EC75 – Includes Items 10 thru 19)	1	—	**1,485.77**
Series EC65 – Standard					
28	ECX27071	1 9/16" I.D. Clear Hose	2	1	**$30.36**
29	ECX18028	Hose Clamp	25	2	**5.71**
30	SPX1105Z4	1 1/2" Elbow Hose Adapter	50	2	**9.58**
Series EC65 System III					
31	SPX1485C	Gasket	25	1	**$6.43**
32	SPX1485B	Pump Discharge Elbow	10	1	**33.73**
33	SPX1425Z6	O-Ring	25	1	**4.16**
34	SPX1485A	Union Ball End	10	1	**27.01**
35	SPX1480C	Union Nut	10	1	**17.01**
36	ECX1161Z2	Pump Mounting Screw Set	10	2	**10.59**
37	SPX1600Z52	Anchor Screw *(Pkg. of 2)*	1	2	**6.65**

Perflex®

EC50A AND EC50AC EXTENDED-CYCLE D.E. FILTER REPLACEMENT PARTS

Parts Diagram



★ Bump Handle Screw Kit
★★ Filter Head Screw Kit
★★★ Tube Sheet Hex Screw Set

Parts Listing (Parts unique to a specific series are designated)

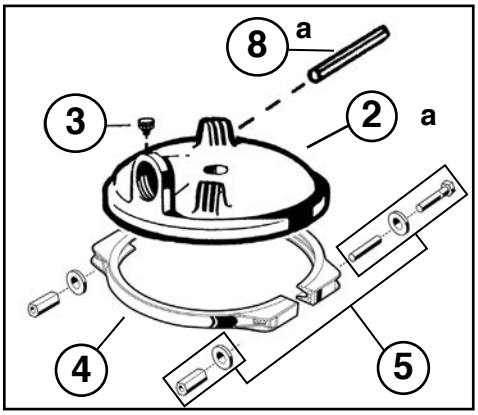
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1a	ECX11156	Bump Mechanism Cover – EC50A	7	1	**$63.40**
1b	ECX5000D	Bump Mechanism Cover – EC50AC	1	1	**Discont'd**
2a	ECX10334P	Filter Head with Vent Valve – EC50A	1	1	**226.83**
2b	ECX5000BP	Filter Head with Vent Valve – EC50AC	1	1	**248.62**
3a	ECX11344P	Filter Body with Flow Diffuser – EC50A	—	1	**Discont'd**
3b	ECX5000AP	Filter Body with Flow Diffuser – EC50AC	1	1	**591.32**
4	ECX1322A	Directional Vent Valve with O-Ring	20	1	**12.61**
5	ECX5000C	Clamp Assembly with Springs – EC50AC	1	1	**277.18**
6	ECX360JN	Nickel Plated Sleeve Nut, 5/16" – EC50AC	10	1	**23.91**
7	ECX1014A	Bump Shaft Kit	25	1	**20.07**
8	ECX1040	Bump Handle Assembly – Xyron	5	1	**53.78**
9	ECX1037B	Bump Handle Grip – Xyron	—	1	**Discont'd**
10	ECX100Z9	Pivot Pin (long)	50	1	**5.71**
11	ECX4236A	Bump Handle Screw Kit	0	1	**6.99**
12a	ECX1009	Bump Shaft, 1/2" – EC50A	25	1	**62.89**
12b	ECX5000F	Bump Shaft, 1/2" – EC50AC	25	1	**69.78**
13	ECX10271A	Filter Head Screw Set – EC50A only	20	12	**10.93**
14	ECX1004ASET	Tube Sheet Set (Top and Bottom)	10	1	**92.09**
15a	ECX1003	Diaphragm Gasket – EC50A	10	1	**86.30**
15b	ECX5000G	Diaphragm Gasket – EC50AC	10	1	**90.46**
16	ECX1032PAK10	Flex Tube 16 1/4" Long *(Set of 10)*	10	72	**99.62**
17	SPX1500NYA	Tube Sheet Hex Screw Set – (units 2020 and older)	50	12	**5.32**
—	ECX1600PAK	Tube Sheet Hex Screw Set – (units 2021 -)	50	1	**4.98**
18	SP1022CBLK	Plug with Gasket	100	1	**2.17**
19	SP0723	Ball-Type Drain Valve with Nipple	24	1	**47.15**
20	ECX27091	Pressure Gauge – Back Mount	25	1	**34.64**
21	ECX12866	Gauge/Inspection Port Adapter	10	1	**26.81**
22	ECX1287	O-Ring for Gauge Adapter	25	1	**6.55**
23	ECX1256	Flow Diffuser with Check Valve	20	1	**57.15**
24	ECX4077B1	Check Valve	20	1	**24.70**
25	ECX1055	Flow Controller	10	1	**8.03**
—	ECX1036*	Flex-Tube Nest (EC50A)	—	1	**Discont'd**
—	ECX1037*	Flex-Tube Nest (EC50AC)	1	1	**888.69**

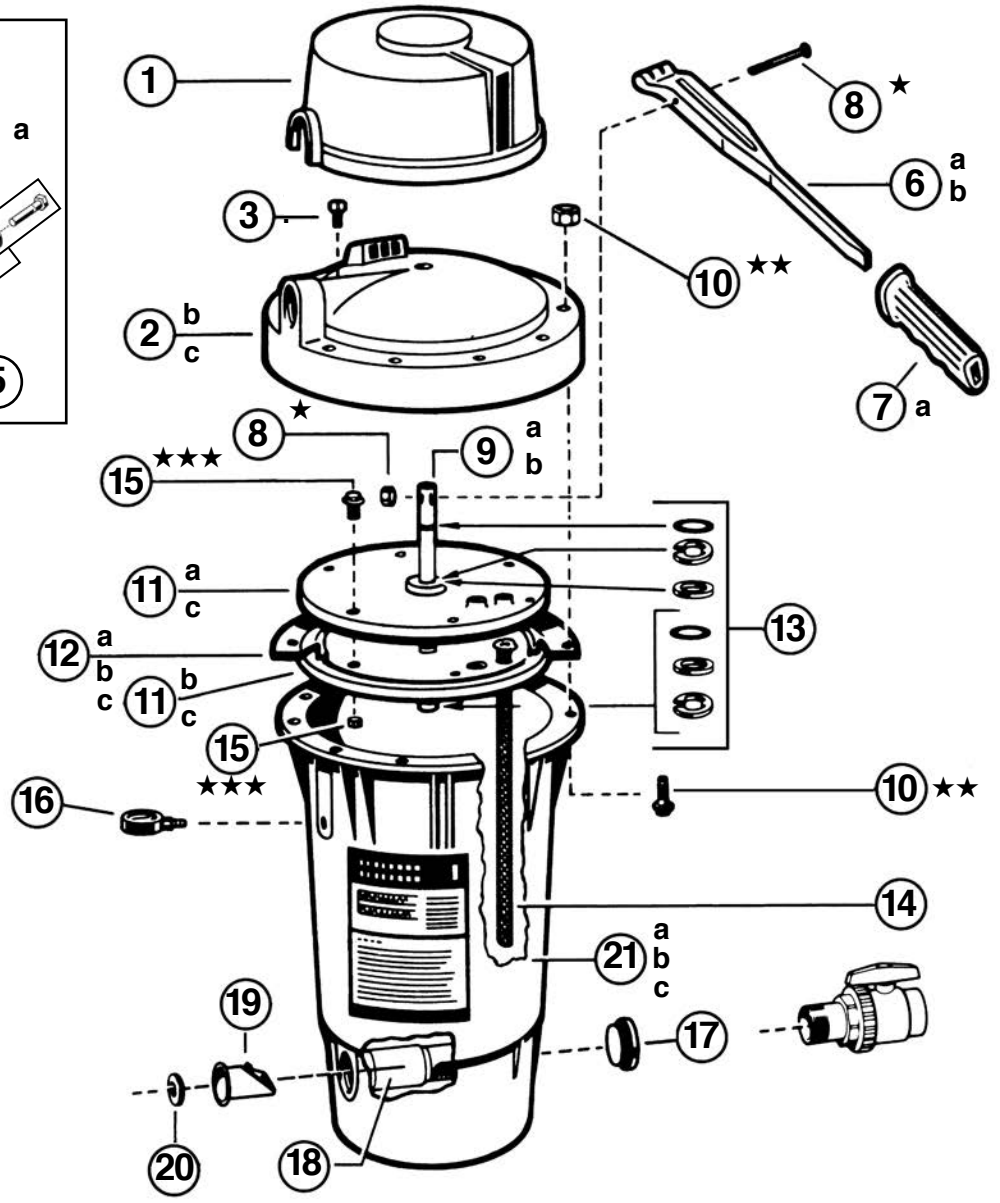
NOTE: *Includes bump shaft, shaft kit, top and bottom tube sheet, diaphragm gasket and 12 tube sheet screw sets.

Perflex®

EC30, EC40 AND EC40AC SERIES EXTENDED-CYCLE D.E. FILTER REPLACEMENT PARTS

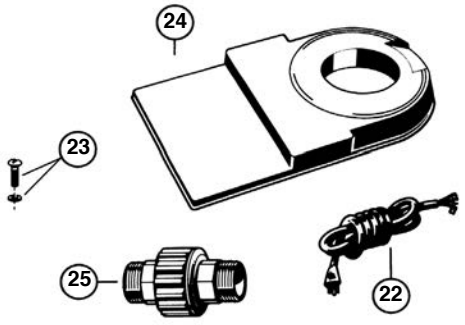
Parts Diagram



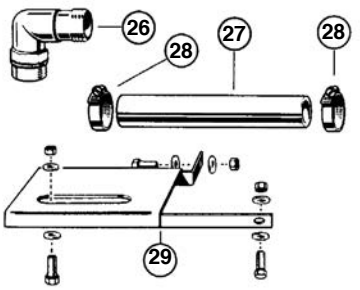


★ Bump Handle Screw Kit
★★ Filter Head Screw Set
★★★ Tube Sheet Hex Screw Set

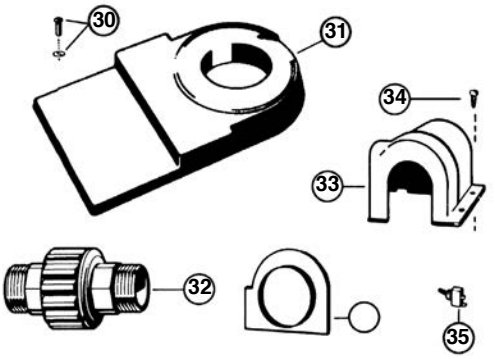
EC301500 SERIES SYSTEMS



SERIES EC40F KIT



SERIES EC4075 & EC40C75 FILTERS



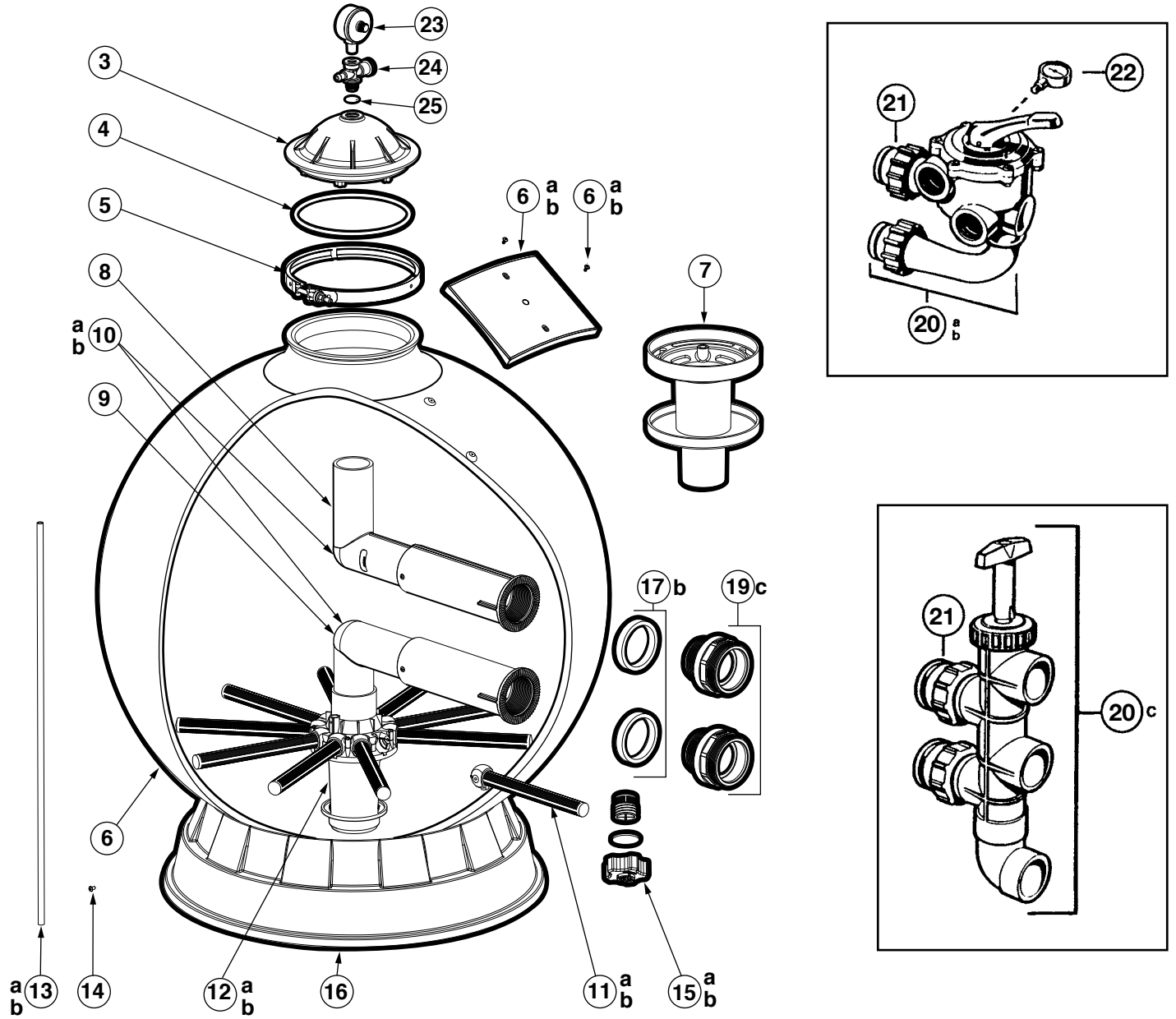
Parts Listing (Parts unique to a specific series are designated)

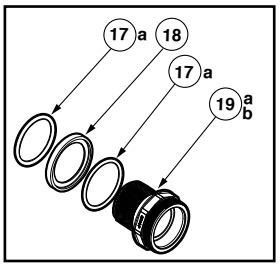
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	ECX10066	Bump Mechanism Cover	4	1	**$58.21**
2a	ECX1131P	Filter Head with Vent Valve – EC30	1	1	**235.15**
2b	ECX10334P	Filter Head with Vent Valve – EC40	1	1	**226.83**
2c	ECX5000BP	Filter Head with Vent Valve – EC40AC	1	1	**248.62**
3	ECX1322A	Vent Valve (Threaded) with O-Ring	20	1	**12.61**
4	ECX4000C	Clamp Assembly with Hardware (2 Bolts, 2 Nuts, 2 Spacers, 4 Washers)	1	1	**154.39**
5	ECX4000CHK	Hardware Kit for Clamp Assembly (2 Bolts, 1 Nut, 1 Spacer, 2 Washers)	15	1	**57.17**
6a	ECX1037A	Bump Handle Grip – EC30	10	1	**45.33**
6b	ECX1040	Bump Handle Assembly – EC40/EC40AC	5	1	**53.78**
7a	ECX1037B	Bump Handle Grip – EC30/40	50	1	**Discont'd**
8	ECX4236A	Bump Handle Screw Kit	1	1	**6.99**
8a	ECX100Z9	Pivot Pin (Long) – EC40AC only	50	1	**5.71**
9a	ECX1009	Bump Shaft, 1/2" – EC30/EC40	25	1	**62.89**
9b	ECX5000F	Bump Shaft – EC40AC	25	1	**69.78**
10	ECX10271A	Filter Head Screw Set – EC30/EC40	20	10/12	**10.93**
11a	ECX1038A	Tube Sheet (Top) – EC30	10	1	**52.37**
11b	ECX1038	Tube Sheet (Top) – EC30	10	1	**56.29**
11c	ECX1004ASET	Tube Sheet Set (Top and Bottom) – EC40 and EC40A	10	1	**92.09**
12a	ECX1039	Diaphragm Gasket – EC30	10	1	**83.84**
12b	ECX1003	Diaphragm Gasket – EC40	10	1	**86.30**
12c	ECX5000G	Diaphragm Gasket – EC40AC	10	1	**90.46**
13	ECX1014A	Bump Shaft Kit	25	1	**20.07**
14	ECX1031PAK5	Flex Tube 13 3/8" Long *(Set of 5)* – 54 for EC30, 72 for EC40	10	11/15	**40.65**
15	SPX1500NYA	Tube Sheet Hex Screw Set – EC30/EC40	50	6/12	**5.32**
16	ECX270861	Pressure Gauge	50	1	**31.44**
17	SP1022C	Plug with Gasket	100	1	**2.17**
—	SP0723	Ball-Type Drain Valve with Nipple	24	1	**47.15**
18	ECX1256	Flow Diffuser with Check Valve	20	1	**57.15**
19	ECX4077B1	Check Valve	20	1	**24.70**
20	ECX1055	Flow Controller	10	1	**8.03**
21a	ECX1132P	Filter Body with Flow Diffuser – EC30	—	1	**Discont'd**
21b	ECX10344P	Filter Body with Flow Diffuser – EC40	1	1	**Discont'd**
21c	ECX4034	Filter Body with Flow Diffuser – EC40AC	1	1	**Discont'd**
—	ECX1133	Flex Tube Nest (Includes 9, 11-15) – EC30	2	2	**678.90**
—	ECX1035	Flex Tube Nest (Includes 9, 11-15) – EC40	2	2	**792.47**
—	ECX4035	Flex Tube Nest (Includes 9, 11-15) – EC40AC	2	2	**792.47**
EC301500 Series Systems					
22	SPX1250WA	6 Ft. Cord Set – No. 14/3 AWG	10	1	**$41.51**
23	ECX1108A	5/16" x 3/4" Mounting Screws and 5/16" Washers (2) Kit	10	1	**6.38**
24	EC1161PAK	Platform Base with Screws	1	1	**71.75**
25	SP1480BLK	1 1/2" Male Union	50	1	**26.54**
Series EC40F Kit					
26	SPX1105Z4	1 1/2" Elbow Hose Adapter	50	2	**$9.58**
27	ECX27071	1 9/16" I.D. Clear Hose	2	1	**30.36**
28	ECX18028	Hose Clamp	25	2	**5.71**
29	ECX10992	Pump Mounting Base	3	1	**Discont'd**
Series EC4075 and EC4075UL Filters					
30	ECX1108A	5/16" x 3/4" Mounting Screws (2) and 5/16" Washers (2) Kit	10	1	**$6.38**
31	EC1161PAK	Platform Base with Screws	1	1	**71.75**
32	SP1480BLK	1 1/2" Male Union	50	1	**26.54**
33	ECX1121	Rainshield Cover Assembly	—	1	**Discont'd**
34	SPX1411Z3	Pan Head Hilo Screw	25	4	**Discont'd**
35	ECX1325	Switch Assembly	10	1	**21.89**
—	SPX1250WA	6 ft. Cord Set – No. 14/3 AWG	10	1	**41.51**

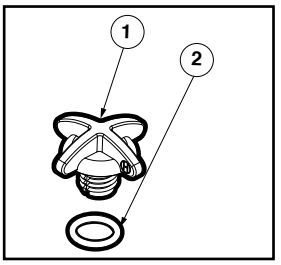
ProSeries™ Plus

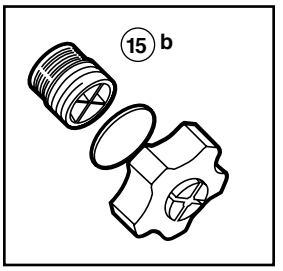
S311SX, S311SXV, S360SX SAND FILTER SERIES REPLACEMENT PARTS

Parts Diagram









Drain Cap Kit

Folding Lateral Assembly

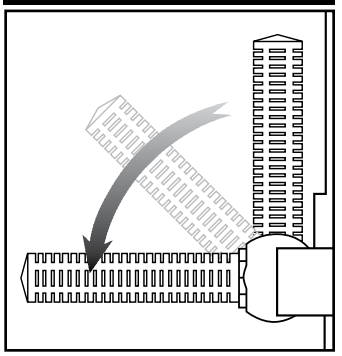


Diagram A

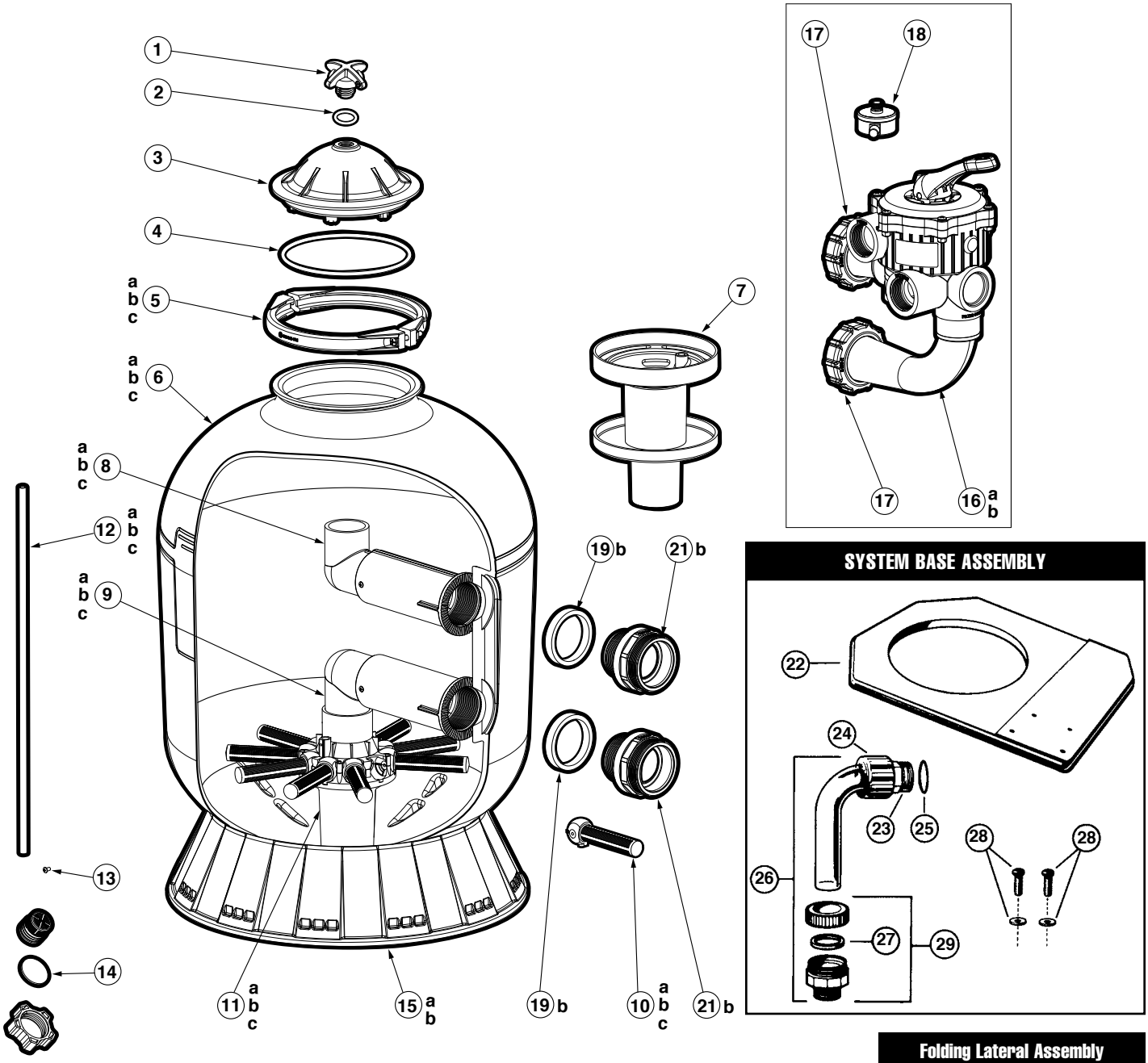
Parts Listing

Ref. No.	Part No.	Description	Ctn Qty.	No. Req'd	List Price
1	SX200G	Manual Air Relief	10	1	**$9.70**
2	SX200Z5	O-Ring	50	1	**3.18**
3	SX244K	Top Closure Dome	5	1	**88.13**
4	GMX600F	Tank O-Ring	100	1	**21.72**
5	SX310N	Flange Clamp	5	1	**80.44**
6	SX311AA2FW	S311 Filter Tank with Drain Cap and Base	—	1	**Discont'd**
7	SX244G	Top Diffuser Assembly	5	1	**53.33**
8	SX311CD1FW	Top Elbow Assembly (S311)	1	1	**117.25**
9	SX311CD2FW	Bottom Elbow Assembly (S311)	2	1	**117.25**
10a	SX360CD	Top and Bottom Elbow Assembly (S360) (1999 and Prior)	—	2	**Discont'd**
10b	SX360CDFW	Top and Bottom Elbow Assembly (S360) (after 1999)	2	2	**167.02**
11a	SX310HNPAK10	Pivot/Ball Lateral *(Set of 10)*	10	1	**106.45**
11b	SX310HAPAK10	Threaded Lateral *(Set of 10)*	10	1	**110.21**
12a	SX311DA	Folding Lateral Assembly (S311) (See Diagram A)	1	1	**174.06**
12b	SX242MA3	Folding Lateral Assembly (S360) (See Diagram A)	1	1	**161.13**
13a	CX1100Z4	Air Tube (S311)	10	1	**15.19**
13b	SX360Z2	Air Tube (S360)	1	1	**22.87**
14	SX200Z2	Air Tube Lock Screw	10	1	**2.49**
15a	SX180HG	Drain Cap Kit (2005 and Prior)	25	1	**7.76**
—	SX200H	Bottom Drain Screen (2005 and Prior)	10	1	**7.85**
15b	SX180LA	Drain Cap Kit (See Diagram)	25	1	**9.60**
16	SX310J	Filter Support Stand	1	1	**199.13**
17a	SX360Z1	O-Ring (S311, S360 – after 1995)	25	4	**11.43**
17b	SX244Z1	Square Seal	25	2	**20.36**
18	SX360E	O-Ring Spacer (S311, S360 – after 1995)	10	2	**15.81**
19a	SX244P	Bulkhead Fitting (S311 after 1996, S360 after 1999) Replaced by SX244PX	10	2	**Discont'd**
19b	SX311F	Bulkhead Fitting (S360) (1999 and Prior)	10	2	**64.64**
19c	SX244PX	Bulkhead Fitting with Seal	10	2	**57.35**
20a	SP0710X62	Vari-Flo Valve Assembly – 1 ½" FIP	1	1	**252.75**
20b	SP0715X62	Vari-Flo Valve Assembly – 2" FIP	1	1	**379.05**
20c	SP0410X602S	Slide Valve Assembly – 2" SKT	1	1	**176.15**
21	SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	1	**8.96**
22	ECX270861	Pressure Gauge	50	1	**31.44**
Optional (Supplied with Model S311SXV Slide Valve Unit Only)					
23	ECX270861	Pressure Gauge	50	1	**$31.44**
24	DEX2400S	Relief Valve/Gauge Adapter Assembly	100	1	**43.83**
—	DEX2400Z3A	O-Ring for Relief Valve Stem *(Set of 3)*	100	1	**12.98**
25	SX200Z5	O-Ring	50	1	**3.18**

ProSeries™

S210S, S244S, S310S SAND FILTER SERIES REPLACEMENT PARTS

Parts Diagram



SYSTEM BASE ASSEMBLY

Folding Lateral Assembly

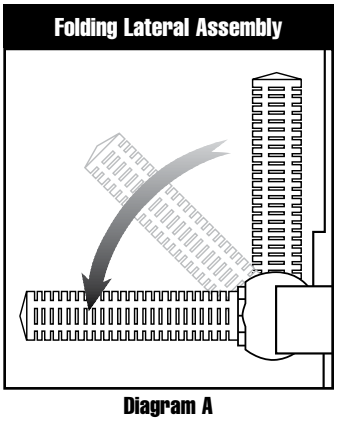
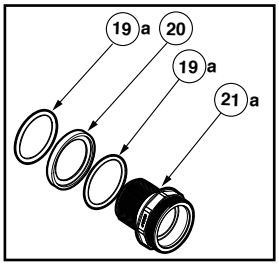
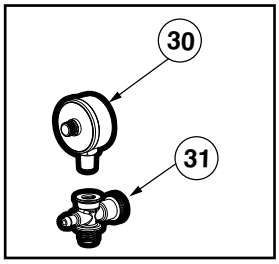
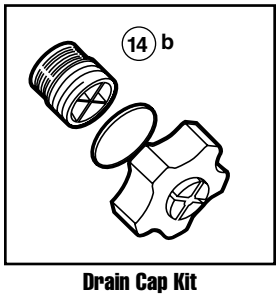


Diagram A





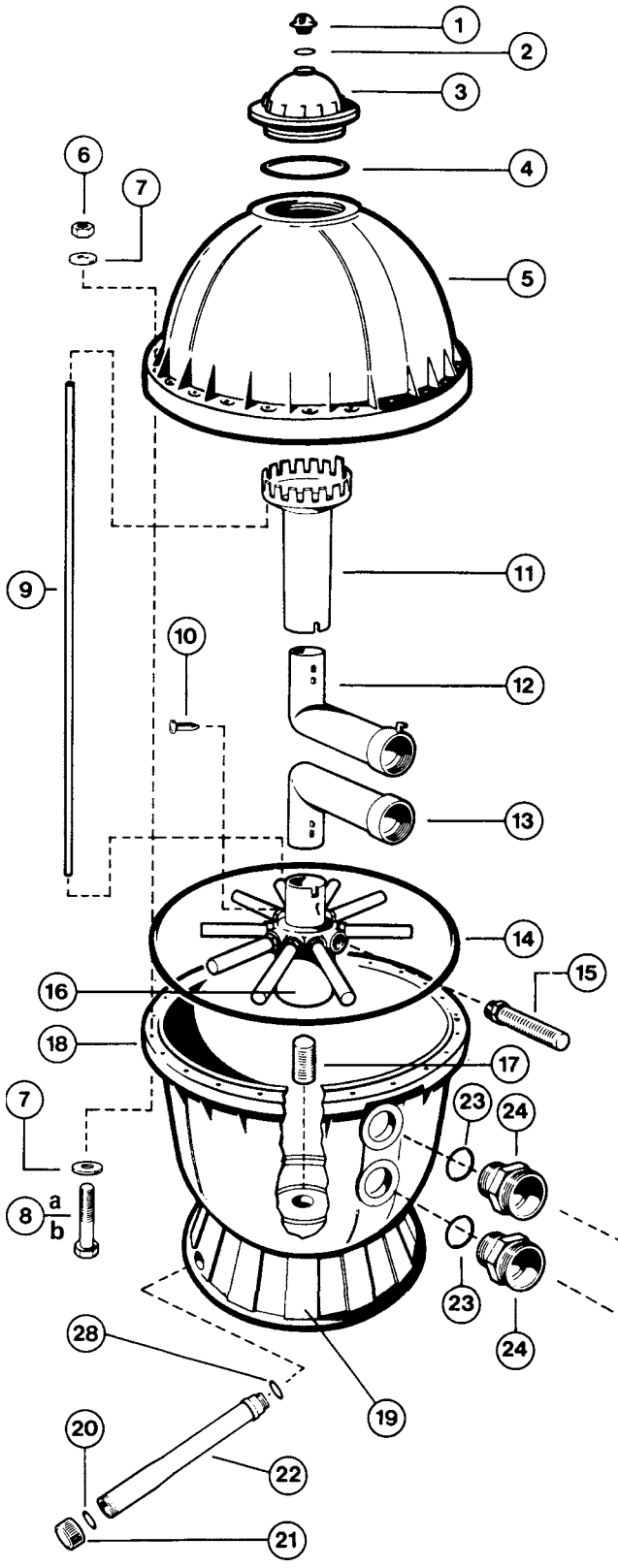


Drain Cap Kit

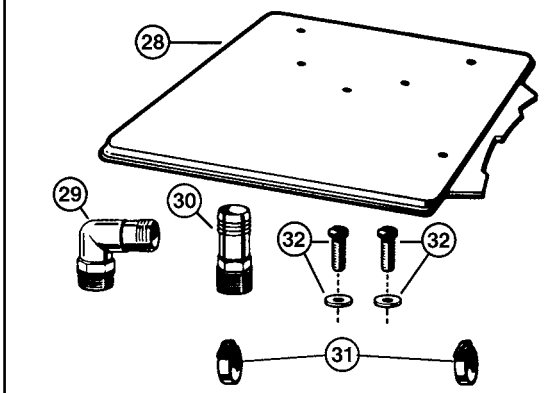
Parts Listing

Ref. No.	Part No.	Description	Ctn Qty.	No. Req'd	List Price
1	SX200G	Manual Air Relief	10	1	**$9.70**
2	SX200Z5	O-Ring	50	1	**3.18**
3	SX244K	Top Closure Dome	5	1	**88.13**
4	GMX600F	Tank O-Ring	100	1	**21.72**
5a	GMX600NM	Flange Clamp (S210S, S244S)	20	1	**61.16**
5b	SX310N	Flange Clamp (S310S)	5	1	**80.44**
6a	SX210AA2FW	S210S Filter Tank with Drain Cap and Base	1	1	**Discont'd**
6b	SX244AA2FW	S244S Filter Tank with Drain Cap and Base	1	1	**1,370.39**
6c	SX310AA2FW	S310S Filter Tank with Drain Cap and Base	1	1	**Discont'd**
7	SX244G	Top Diffuser Assembly	5	1	**53.33**
8a	SX210CD1FW	Top Elbow Assembly, S210S	1	1	**74.34**
8b	SX244CD1FW	Top Elbow Assembly, S244S	2	1	**97.61**
8c	SX310CD2FW	Top Elbow Assembly, S310S	2	1	**99.11**
9a	SX210CD2FW	Bottom Elbow Assembly, S210S	5	1	**72.83**
9b	SX244CD2FW	Bottom Elbow Assembly, S244S	2	1	**97.70**
9c	SX310CD2FW	Bottom Elbow Assembly, S310S	2	1	**99.11**
10a	SX200QNPAK10	S210S Pivot/Ball Lateral *(Set of 10)*	10	1	**75.76**
10b	SX240DNPAK10	S244S Pivot/Ball Lateral *(Set of 10)*	10	1	**75.76**
10c	SX310HNPAK10	S310S Pivot/Ball Lateral *(Set of 10)*	10	1	**106.45**
11a	SX242MA	Folding Umbrella Lateral Holder Assembly (S210S, 1997-) See Diagram A	1	1	**125.80**
11b	SX242MA1	Folding Umbrella Lateral Holder Assembly (S244S, 1999-) See Diagram A	1	1	**135.20**
11c	SX242MA2	Folding Umbrella Lateral Holder Assembly (S310S, 1999-) See Diagram A	1	1	**156.95**
12a	CX3000Z2	Plastic Air Tube (S210S)	50	1	**Discont'd**
12b	CX1100Z4	Plastic Air Tube (S244S)	10	1	**Discont'd**
12c	SX200Z1	Plastic Air Tube (S310S)	1	1	**21.82**
13	SX200Z2	Air Tube Lock Screw	10	1	**2.49**
14a	SX180HG	Drain Cap Kit (2005 and Prior)	25	1	**7.76**
—	SX200H	Bottom Drain Screen (2005 and Prior)	10	1	**7.85**
14b	SX180LA	Drain Cap Kit (See Diagram)	25	1	**9.60**
15a	SX200J	Filter Support Stand (S210S, S244S)	1	1	**129.81**
15b	SX310J	Filter Support Stand (S310S)	1	1	**199.13**
16a	SP0710X62	Vari-Flo Valve Assembly – 1 ½" FIP	1	1	**252.75**
16b	SP0715X62	Vari-Flo Valve Assembly – 2" FIP	1	1	**379.05**
17	SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	1	**8.96**
18	ECX270861	Pressure Gauge	50	1	**31.44**
19a	SX360Z1	O-Ring	25	4	**11.43**
19b	SX244Z1	Square Seal	25	2	**20.36**
20	SX360E	O-Ring Spacer (after 1995)	10	2	**15.81**
21a	SX244P	Bulkhead Fitting (after 1996) – Replaced by SX244PX	10	2	**Discont'd**
21b	SX244PX	Bulkhead Fitting with Seal	10	2	**57.35**
S200PAK 3 System Base					
22	ECX1291	Standard Pump/Filter Mounting Base	1	1	**$307.84**
23	SPX1480A	Union Ball End	10	1	**17.33**
24	SPX1480C	Union Nut	10	1	**17.01**
25	SPX1425Z6	O-Ring	25	1	**4.16**
26	SPX1485B3	Union Elbow with Compression Assembly	10	1	**82.49**
27	SPX1485G	Compression Gasket	1	1	**6.62**
28	ECX1161Z2	Mounting Screw Set with Washers	10	2	**10.59**
29	SPX1485DA	Compression Fitting with Gasket	25	1	**37.80**
Optional					
30	ECX270861	Pressure Gauge	50	1	**$31.44**
31	DEX2400S	Relief Valve/Gauge Adapter Assembly	100	1	**43.83**

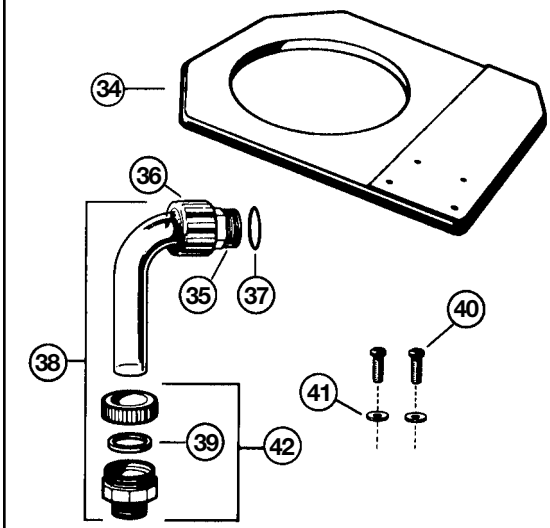
Parts Diagram



S240PAK 1



S240PAK 3 and System II



Folding Lateral Assembly

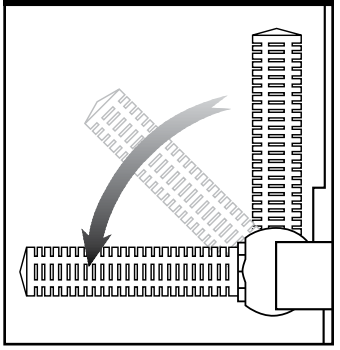
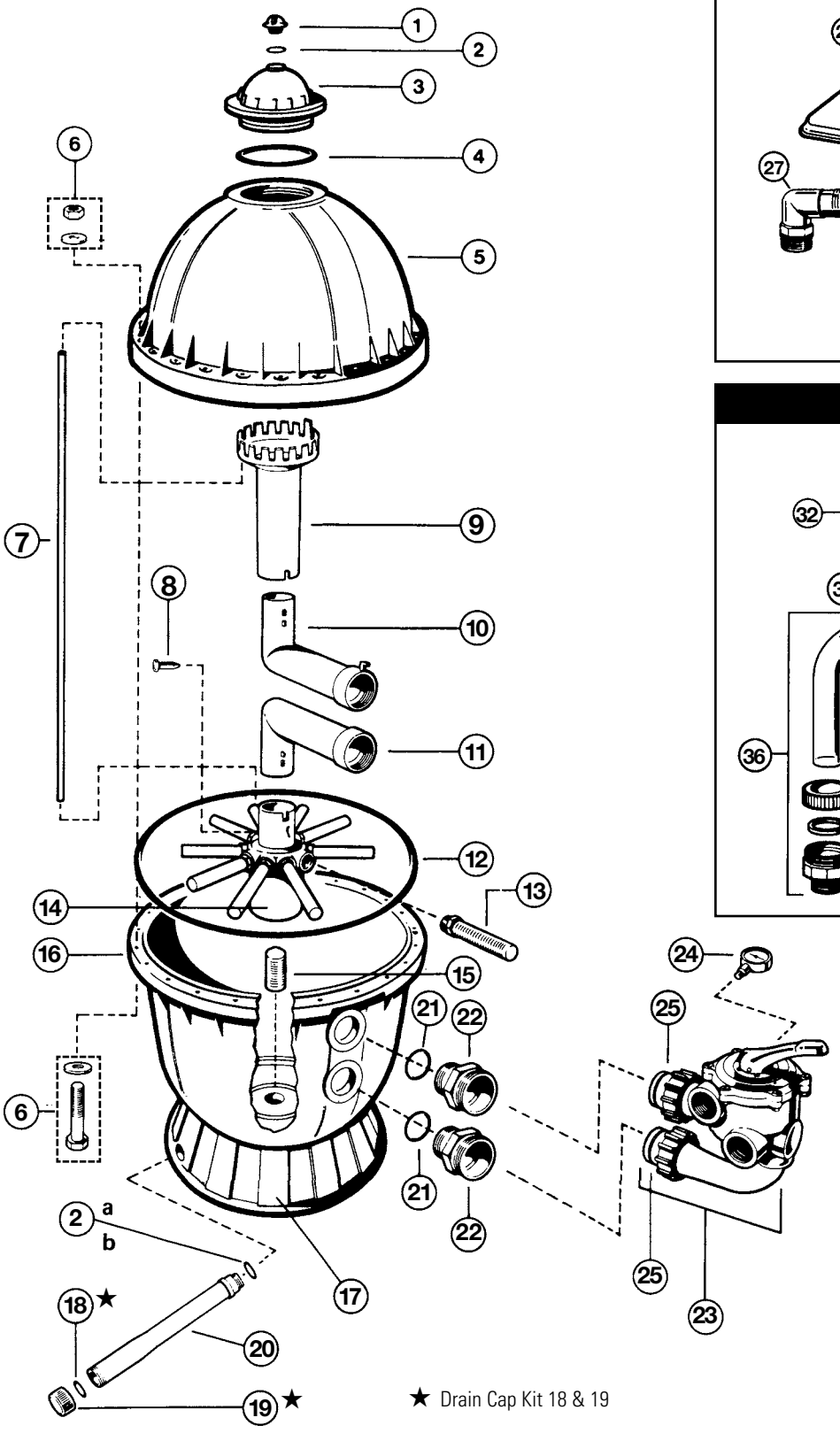


Diagram A

Parts Listing

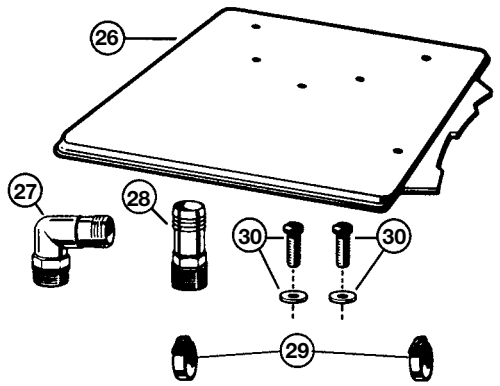
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SX200G	Manual Air Relief	10	1	**$9.70**
2	SX200Z5	O-Ring	50	1	**3.18**
3	SX200K	Access Cover	5	1	**73.03**
4	SX200Z6	O-Ring	50	1	**21.27**
5	SX240B	Filter Tank Head (Top)	—	—	**Discont'd**
6	ECX1645	Hex Nut with Washer	1	30	**3.42**
7	ECX1077	Flat Washer	50	60	**1.50**
8a	SX240Z3	Hex. Head Bolt	—	30	**Discont'd**
8b	SX240Z4	Hex. Head Bolt with Washer	—	30	**Discont'd**
9	SX240Z2	Air Tube	1	1	**21.87**
10	SX200Z2	Air Tube Lock Screw	10	1	**2.49**
11	SX200L	Top Diffuser	5	1	**53.41**
12	SX240C	Internal Diffuser Elbow Pipe (Top or Bottom)	—	1	**Discont'd**
13	SX240C	Internal Diffuser Elbow Pipe (Top or Bottom)	—	1	**Discont'd**
14	SX240Z1	O-Ring	20	1	**76.21**
15	SX240DNPAK10	S240 Pivot/Ball Lateral *(Set of 10)*	10	1	**75.76**
16	SX242DA	Folding Lateral Assembly (See Diagram A)	1	1	**166.65**
17	SX200H	Bottom Screen	10	1	**7.85**
18	SX240AA1	Filter Tank Bottom	—	—	**Discont'd**
19	SX200J	Filter Support Stand	1	1	**129.81**
20	SX200Z9	Gasket	25	1	**2.17**
21	SX200Z8A	Drain Cap Kit (Includes Cap and Gasket)	50	1	**6.77**
22	SX200EB	Drain Pipe Assembly (Includes Pipe, O-Ring, Cap and Gasket)	50	1	**32.21**
23	SX200Z3	O-Ring	50	2	**6.38**
24	SX200D	Bulkhead Fitting	5	2	**32.72**
25a	SPX0710X32	Vari-Flo Control Valve Assembly – 1 ½"	1	1	**318.03**
25b	SPX0715X32	Vari-Flo Control Valve Assembly – 2"	1	1	**460.38**
26	ECX270861	Pressure Gauge	50	1	**31.44**
27	SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	1	**8.96**
28	SX200Z14	O-Ring	50	1	**3.40**
—	S200KT	Dome Wrench	10	—	**21.55**
S240PAK 1					
28	ECX1289	Standard Pump Mounting Base	1	1	**Discont'd**
29	SPX1105Z4	1 ½" Elbow Hose Adapter	50	1	**$9.58**
30	SPX1091Z2PAK2	1 ½" Straight Hose Adapter *(Set of 2)*	10	1	**12.66**
31	ECX18028	Hose Clamp	25	2	**5.71**
32	ECX1161Z2	Mounting Screw Set with Washers	10	2	**10.59**
S240PAK 2, 3 and System II					
34	ECX1291	Standard Pump/Filter Mounting Base	1	1	**$307.84**
35	SPX1480A	Union Ball End	10	1	**17.33**
36	SPX1480C	Union Nut	10	1	**17.01**
37	SPX1425Z6	O-Ring	25	1	**4.16**
38	SPX1485B6	Union Elbow with Compression Assembly (does not include #36, 37)	20	1	**102.60**
39	SPX1485G	Compression Gasket	1	1	**6.62**
—	SPX1485C	Gasket – Old Style Elbow (1986 and Prior)	25	1	**6.43**
40	ECX1275	5/16" x 1 ¼" Mounting Screw	—	2	**Discont'd**
41	ECX1109	5/16" Washer	10	2	**2.66**
42	SPX1485DA	Compression Fitting with Gasket	25	1	**37.80**

Parts Diagram

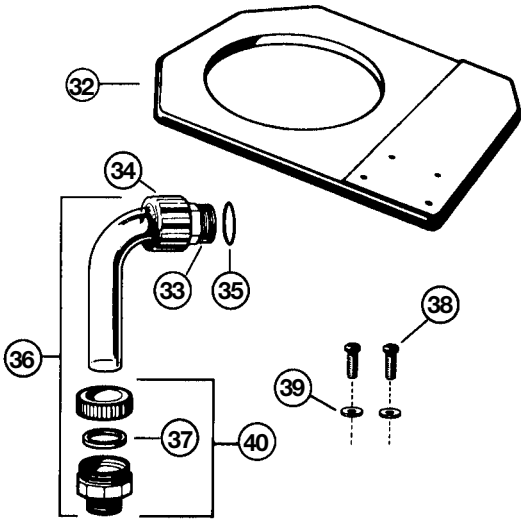


★ Drain Cap Kit 18 & 19

S200PAK 1



S200PAK 3 and System II



Folding Lateral Assembly

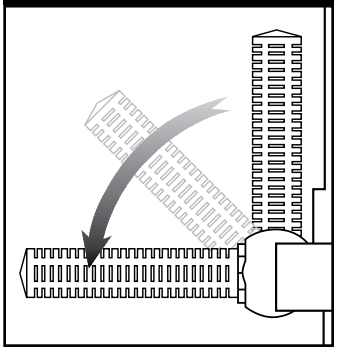


Diagram A

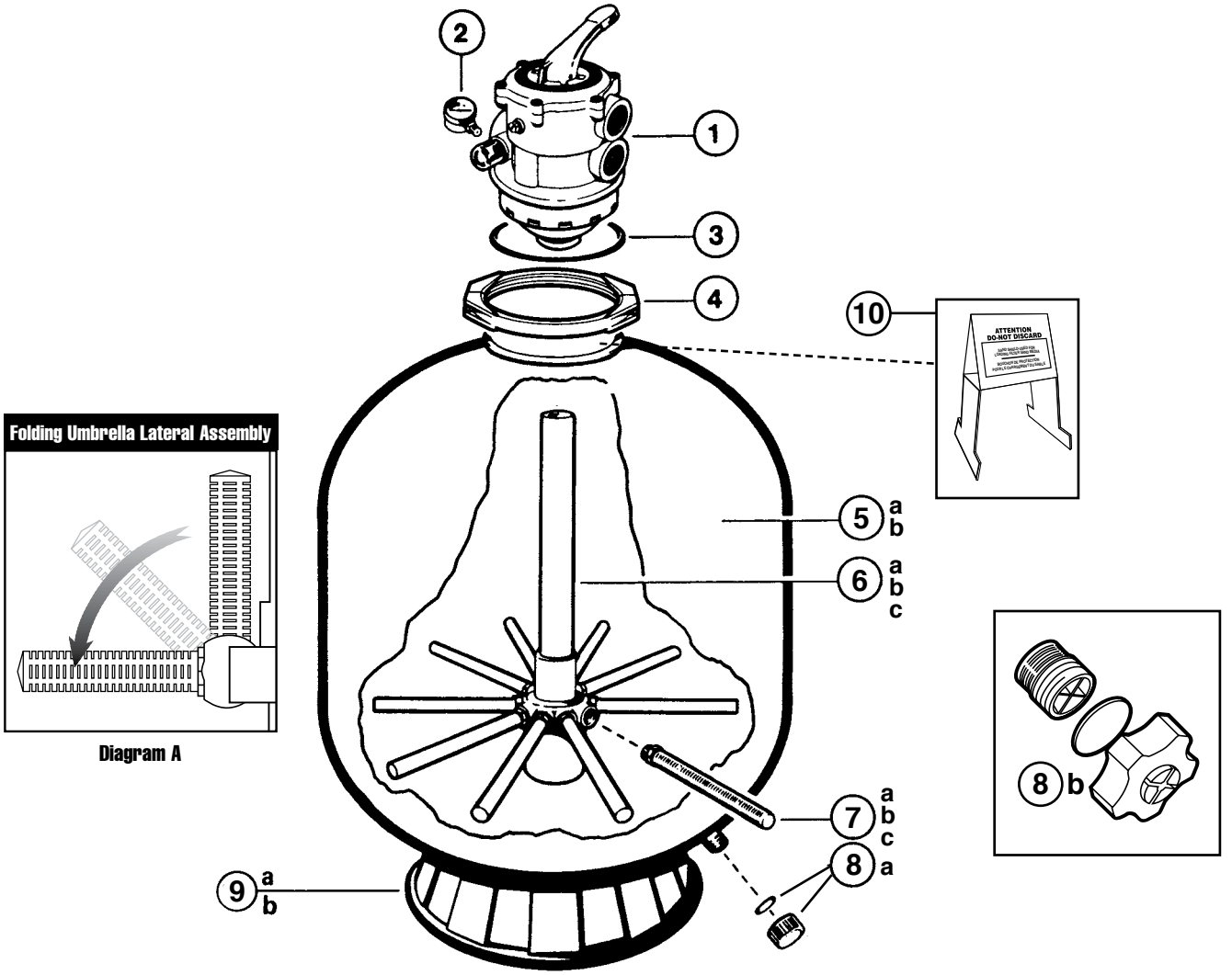
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SX200G	Manual Air Relief	10	1	**$9.70**
2	SX200Z5	O-Ring	50	1	**3.18**
3	SX200K	Access Cover	5	1	**73.03**
4	SX200Z6	O-Ring	50	1	**21.27**
5	SX200BT	Filter Head (Taupe)	1	1	**684.81**
6	ECX1642A	Head Bolt Kit (Includes Hex Nut, Head Bolt and Washer)	20	1	**8.35**
7	SX200Z1	Plastic Air Tube	1	1	**21.82**
8	SX200Z2	Air Tube Lock Screw	10	1	**2.49**
9	SX200L	Top Diffuser	5	1	**53.41**
10	SX200C	Internal Diffuser Elbow Pipe (Top)	5	1	**57.49**
11	SX200C1	Internal Elbow Pipe (Bottom)	5	1	**Discont'd**
12	SX200Z7	O-Ring	10	1	**52.03**
13	SX200QNPAK10	S200 Pivot/Ball Lateral *(Set of 10)*	10	1	**75.76**
14	SX202QA	Folding Lateral Assembly (See Diagram A)	1	1	**140.13**
15	SX200H	Bottom Screen	10	1	**7.85**
16	SX200AA1T	Filter Tank Bottom with Drain Assembly (Taupe)	1	1	**877.09**
17	SX200J	Filter Support Stand	1	1	**129.81**
18	SX200Z9	Gasket	25	1	**2.17**
19	SX200Z8A	Drain Cap Kit (Includes Cap and Gasket)	50	1	**6.77**
20	SX200EB	Drain Pipe Assembly (Includes Pipe, O-Ring, Cap and Gasket)	50	1	**32.21**
21	SX200Z3	O-Ring	50	2	**6.38**
22	SX200D	Bulkhead Fitting	5	2	**32.72**
23	SPX0710X32	Vari-Flo Control Valve Assembly – 1 ½"	1	1	**318.03**
24	ECX270861	Pressure Gauge	50	1	**31.44**
25	SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	1	**8.96**
—	S200KT	Dome Wrench	10	—	**21.55**
S200PAK 1					
26	ECX1289	Standard Pump Mounting Base	1	1	**Discont'd**
27	SPX1105Z4	1 ½" Elbow Hose Adapter	50	1	**$9.58**
28	SPX1091Z2PAK2	1 ½" Straight Hose Adapter *(Set of 2)*	10	1	**12.66**
29	ECX18028	Hose Clamp	25	2	**5.71**
30	ECX1161Z2	Mounting Screw Set with Washers	10	2	**10.59**
S200PAK 2, 3 and System II					
32	ECX1291	Standard Pump/Filter Mounting Base	1	1	**$307.84**
33	SPX1480A	Union Ball End	10	1	**17.33**
34	SPX1480C	Union Nut	10	1	**17.01**
35	SPX1425Z6	O-Ring	25	1	**4.16**
36	SPX1485B3	Union Elbow with Compression Assembly (does not include #34, 35)	10	1	**82.49**
37	SPX1485G	Compression Gasket	1	1	**6.62**
38	ECX1275	5/16" x 1 1/4" Mounting Screw	—	2	**Discont'd**
39	ECX1109	5/16" Washer	10	2	**2.66**
40	SPX1485DA	Compression Fitting Assembly with Gasket	25	1	**37.80**

ProSeries™

(W3)S270T2, (W3)S310T2, S360T2 SAND FILTER SERIES REPLACEMENT PARTS

Parts Diagram and Parts Listing

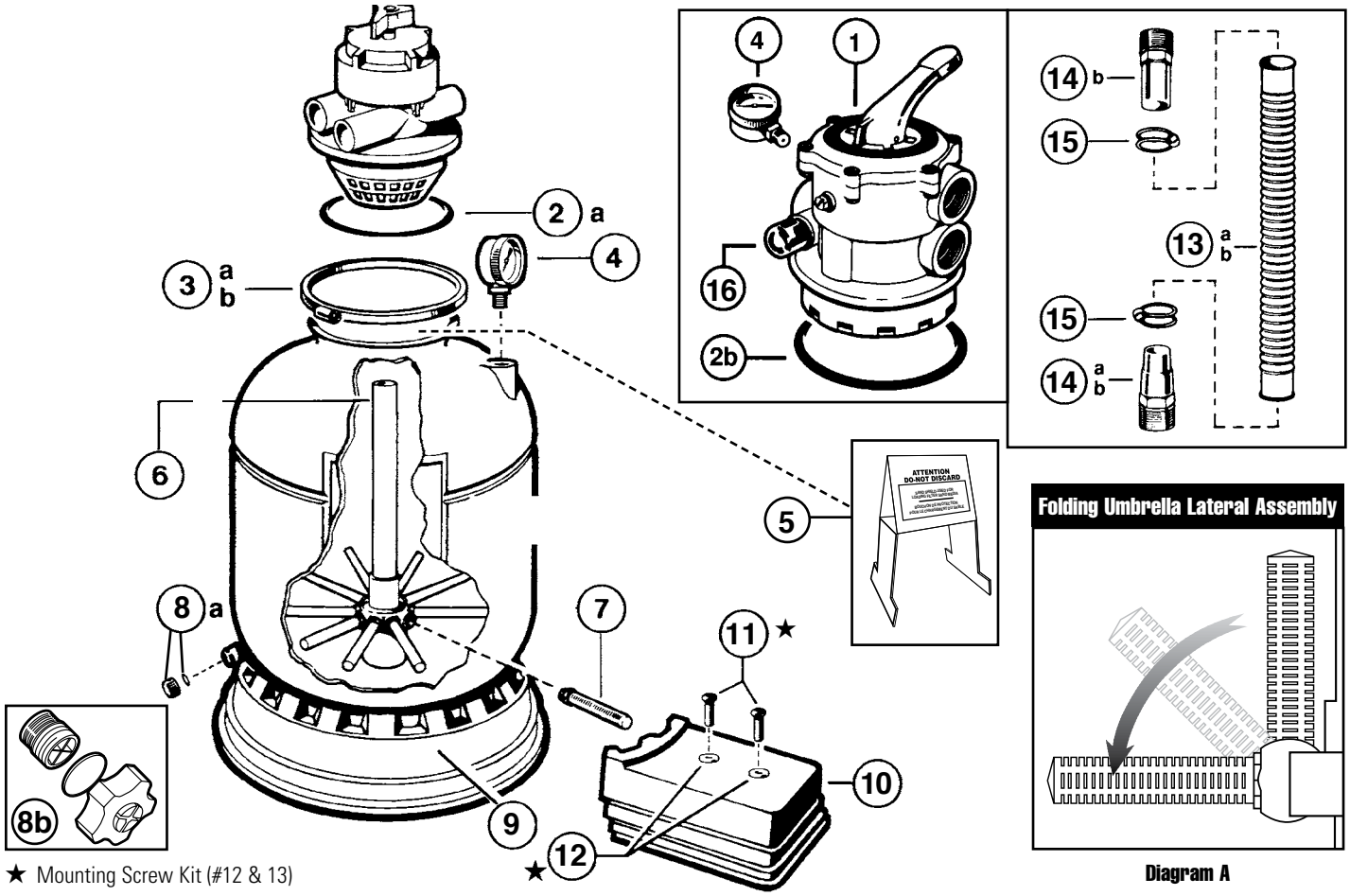


Folding Umbrella Lateral Assembly

Diagram A

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SP071621	Vari-Flo Control Valve – 2"	1	1	**$296.90**
2	ECX271261	Pressure Gauge Back Mount	20	1	**31.59**
3	GMX600F	Tank O-Ring	100	1	**21.72**
4	GMX600NM	Flange Clamp	20	1	**61.16**
5a	SX270AA1	Filter Tank With Skirt, Drain and Lateral Assembly (S270T)	—	1	**Discont'd**
5b	SX310AA1	Filter Tank With Skirt, Drain and Lateral Assembly (S310T)	—	1	**Discont'd**
6a	SX270DA2X	Folding Lateral Assembly with Center Pipe (S270T2)	1	1	**157.37**
6b	SX310DA2	Folding Lateral Assembly with Center Pipe (S310T)	1	1	**198.09**
6c	SX360DA	Folding Lateral Assembly with Center Pipe (S360T)	1	1	**182.19**
7a	SX240DNPAK10	S270T Pivot/Ball Lateral *(Set of 10)*	10	1	**75.76**
7b	SX310HAPAK10	S310T & S360T Threaded Lateral *(Set of 10)*	10	1	**110.21**
7c	SX310HNPAK10	S310T & S360T Pivot/Ball Lateral *(Set of 10)*	10	1	**106.45**
8a	SX180HG	Drain Cap (2005 and Prior)	25	1	**7.76**
8b	SX180LA	Drain Cap Kit (see Diagram)	25	1	**9.60**
—	SX200H	Bottom Drain Screen (2005 and Prior)	10	1	**7.85**
9a	SX200J	Filter Support Stand (S270T)	1	1	**129.81**
9b	SX310J	Filter Support Stand (S310T, S360T)	1	1	**199.13**
10	SX202S	Sand Shield	25	1	**7.53**

Parts Diagram and Parts Listing



★ Mounting Screw Kit (#12 & 13)

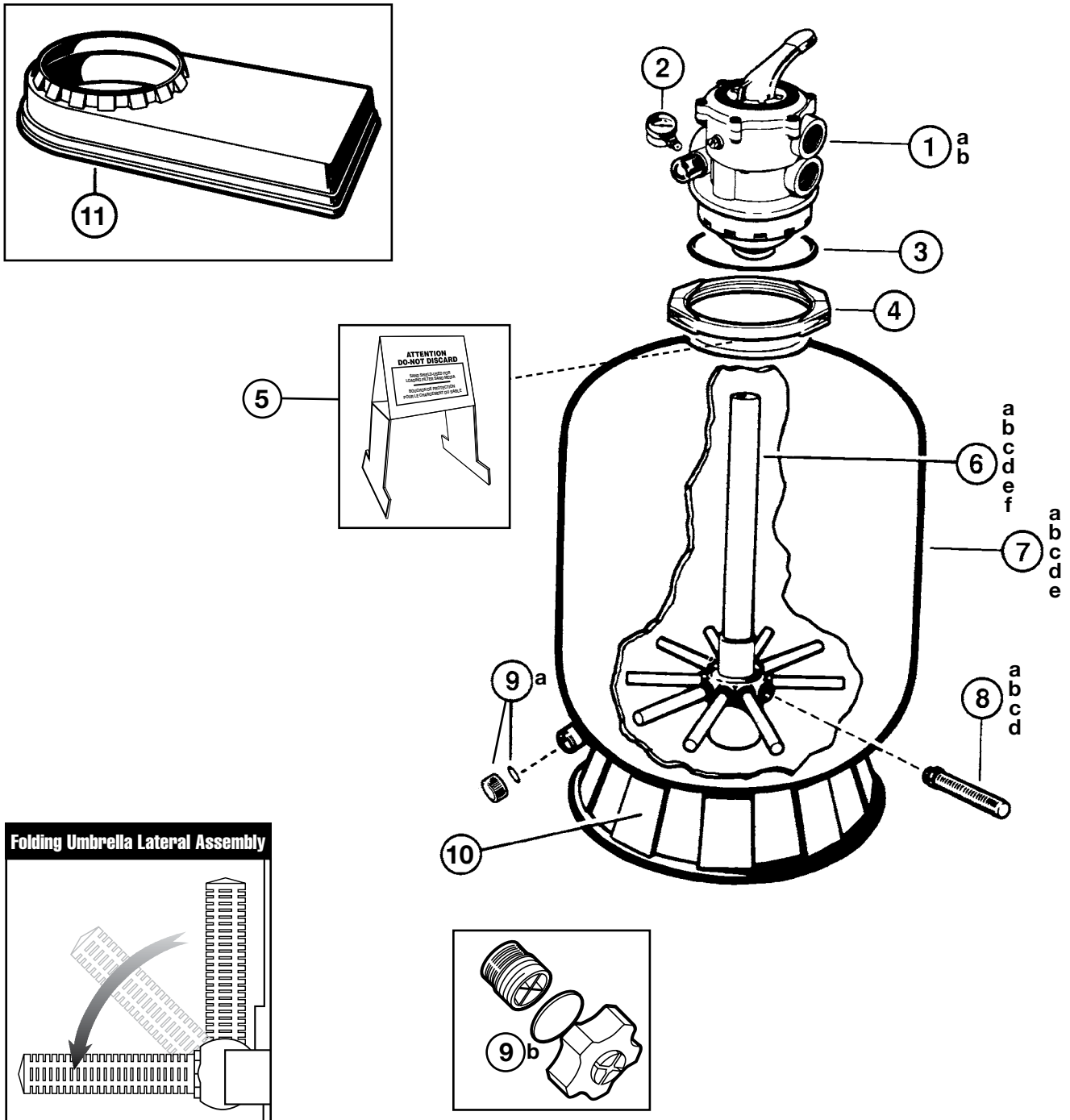
Folding Umbrella Lateral Assembly

Diagram A

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SP0714T*	Vari-Flo Control Valve 7-position (S144T)	1	1	**$216.83**
2a	GMX400F	Valve/Tank O-Ring (S140T)	10	1	**22.92**
2b	GMX600F	Valve/Tank O-Ring (S144T)	100	1	**21.72**
3a	GMX400K	Flange Clamp – Valve – Tank (S140T)	—	1	**Discont'd**
3b	GMX600NM	Flange Clamp – Valve – Tank (S144T)	20	1	**61.16**
4	ECX270861	Pressure Gauge	50	1	**31.44**
5	SX202S	Sand Shield – 2004 Corrugated Design	25	1	**7.53**
6	SX144DA	Folding Lateral Assembly with Center Pipe (S144T) (1997 and after)	1	1	**130.85**
7	SX200SNPAK10	Pivot/Ball Lateral *(Set of 10)*	10	1	**75.76**
8a	SX180HG	Drain Cap Kit (2005 and Prior)	25	1	**7.76**
8b	SX180LA	Drain Cap Assembly, Gasket, Screen	25	1	**9.60**
—	SX200H	Bottom Drain Screen (2005 and prior)	10	1	**7.85**
9	SX164B	Filter Support Stand (Skirt)	1	1	**91.52**
10	SX164C	Pump Base	2	1	**49.12**
11	ECX1108A	5/16" x 3/4" Mounting Screw and 5/16" Washer (2) Kit	10	1	**6.38**
12	ECX1109	5/16" Washer	10	2	**2.66**
★	ECX1108A	5/16" x 3/4" Mounting Screws (2) and 5/16" Washers (2) Kit (Includes 12 & 13)	10	1	**6.38**
13a	GMX142Z15	1 1/4" Hose – Ribbed (S140T)	—	1	**Discont'd**
13b	SX144Z1	1 1/2" Hose – Ribbed (S144T)	5	1	**30.34**
14a	SPX1091Z7PAK2	1 1/2"/1 1/4" Hose Adapter *(Set of 2)*	25	1	**4.53**
14b	SPX1091Z4	1 1/2" Straight Hose Adapter (S144T)	25	2	**4.53**
15	SPX1091Z6	Hose Clamp	50	2	**3.59**
16	SPX0710MA	Sight Glass for SP0714T Valve	50	1	**10.64**

NOTE: *SP0714T Vari-Flo Control Valve used as replacement for GM600 Valve.

Parts Diagram



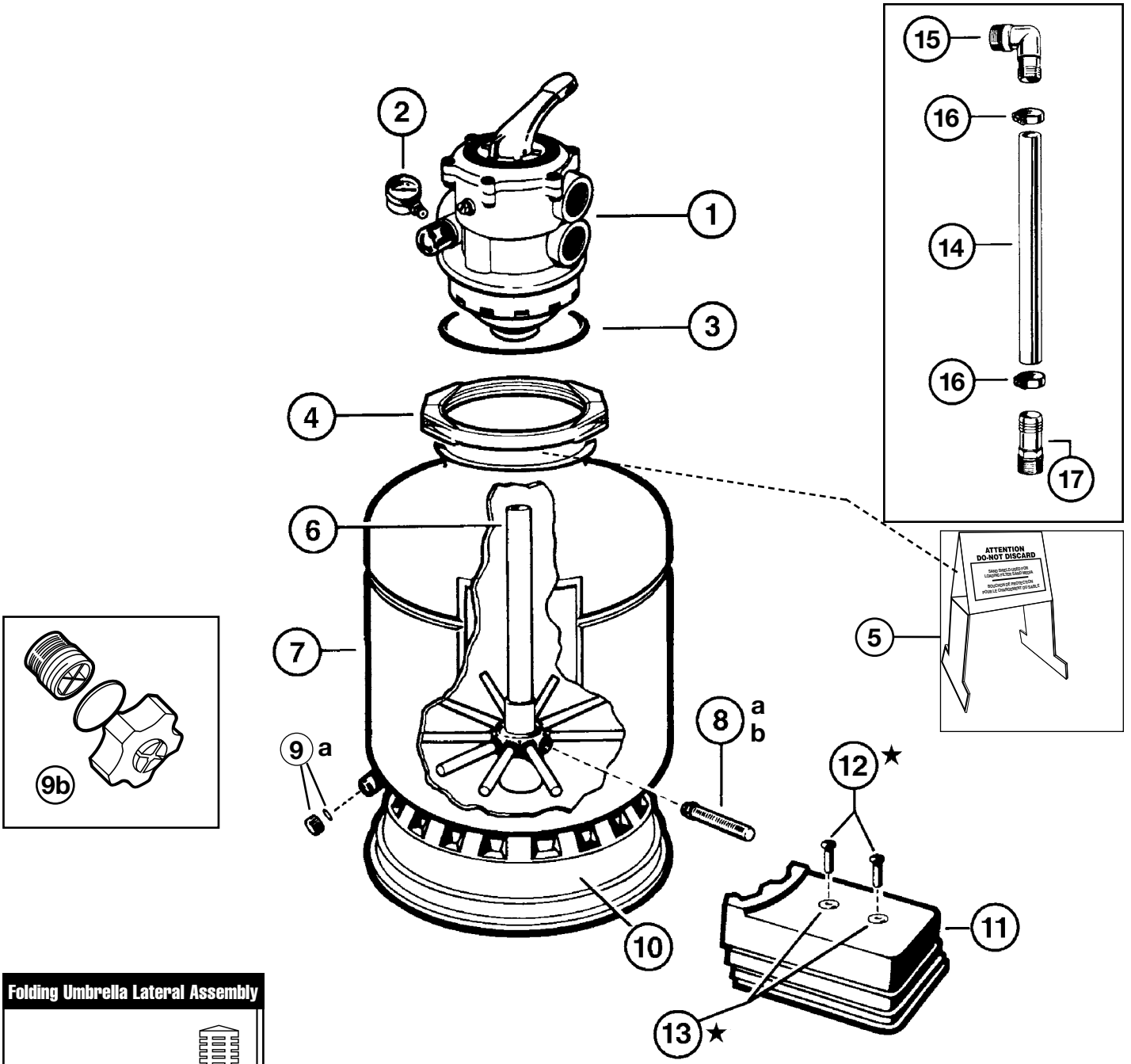
Folding Umbrella Lateral Assembly

Diagram A

Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1a	SP0714T	Vari-Flo XL Control Valve – 1 ½"	1	1	**$216.83**
1b	SP071620T	Vari-Flo XL Control Valve – 2"	1	1	**349.06**
2	ECX270861	Pressure Gauge	50	1	**31.44**
3	GMX600F	Valve/Tank O-Ring	100	1	**21.72**
4	GMX600NM	Flange Clamp	20	1	**61.16**
5	SX202S	Sand Shield – 2004 Corrugated Design	25	1	**7.53**
6a	SX180DA	Folding Lateral Assembly with Center Pipe (S180T) (1997-)	1	1	**135.25**
6b	SX210DA	Folding Lateral Assembly with Center Pipe (S210T) (1997-)	1	1	**138.04**
6c	SX220DA	Folding Lateral Assembly with Center Pipe (S220T) (1997-)	1	1	**144.81**
6d	SX230DA	Folding Lateral Assembly with Center Pipe (S230T) (2003-)	1	1	**150.59**
6e	SX244DA	Folding Lateral Assembly with Center Pipe (S244T, S270T) (1997-)	1	1	**155.86**
6f	SX244DA2X	Folding Lateral Assembly with Center Pipe (S244T2)	1	1	**Discont'd**
7a	SX180AA2	Filter Tank with Skirt, Drain, Lateral Assembly (S180T)	1	1	**Discont'd**
7b	SX210AA1	Filter Tank with Skirt, Drain, Lateral Assembly (S210T)	1	1	**149.90**
7c	SX220AA1	Filter Tank with Skirt, Drain, Lateral Assembly (S220T)	1	1	**Discont'd**
7d	SX244AA1	Filter Tank with Skirt, Drain, Lateral Assembly (S244T)	1	1	**Discont'd**
7e	SX270AA1	Filter Tank with Skirt, Lateral Assembly (S270T)	1	1	**Discont'd**
8a	SX200QPAK10	S180T Threaded Lateral *(Set of 10)*	10	1	**70.10**
8b	SX240DPAK10	S210T, S220T, S230T, S244T Threaded Lateral *(Set of 10)*	10	1	**73.50**
8c	SX200QNPAK10	S180T Pivot/Ball Lateral *(Set of 10)*	10	1	**75.76**
8d	SX240DNPAK10	S210T, S220T, S230T, S244T Pivot/Ball Lateral *(Set of 10)*	10	1	**75.76**
9a	SX180HG	Drain Cap Kit (2005 and Prior)	25	1	**7.76**
9b	SX180LA	Drain Cap Assembly – Cap, Gasket, Screen	25	1	**9.60**
—	SX200H	Bottom Drain Screen (2005 and Prior)	10	1	**7.85**
10	SX200J	Filter Support Stand (Skirt)	1	1	**129.81**
11	SX180K	System Base – S180T Systems	1	1	**154.58**

Parts Diagram



★ Mounting Screw Kit (#12 & 13)

Folding Umbrella Lateral Assembly

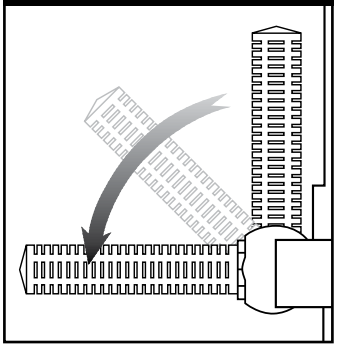


Diagram A

Parts Listing

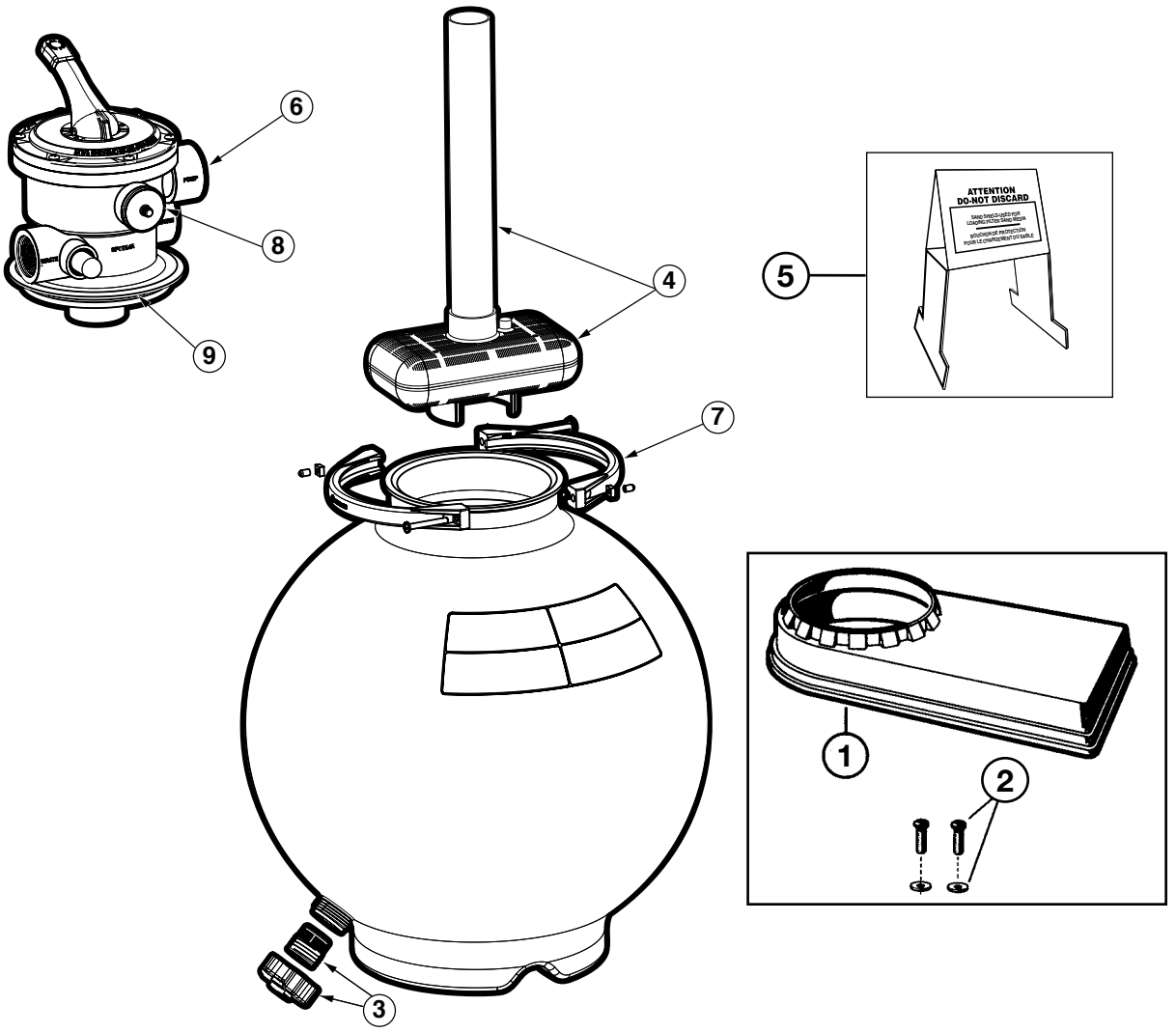
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SP0714T*	Vari-Flo XL Control Valve – 7 position	1	1	**$216.83**
2	ECX270861	Pressure Gauge	50	1	**31.44**
3	GMX600F	Valve/Tank O-Ring	100	1	**21.72**
4	GMX600NM	Flange Clamp (Valve-Tank)	20	1	**61.16**
5	SX202S	Sand Shield	25	1	**7.53**
6	SX164DA	Folding Lateral Assembly with Center Pipe (1997-)	1	1	**130.85**
7	SX164AA1	Filter Tank with Skirt, Drain and Lateral Assembly	1	1	**Discont'd**
8a	SX200QPAK10	Threaded Lateral *(Set of 10)*	10	1	**70.10**
8b	SX200QNPAK10	Pivot/Ball Lateral *(Set of 10)*	10	1	**75.76**
9a	SX180HG	Drain Cap Kit – Cap and Gasket (2005 and Prior)	25	1	**7.76**
—	SX200H	Bottom Drain Screen (2005 and Prior)	10	1	**7.85**
9b	SX180LA	Drain Cap Assembly – Cap, Gasket, Screen	25	1	**9.60**
10	SX164B	Filter Support Stand (Skirt)	1	1	**91.52**
11	SX164C	Pump Base	2	1	**49.12**
—	SX180K	System Base (S166T Series 1999-)	1	1	**154.58**
12	ECX1108A	5/16" x 3/4" Mounting Screw and 5/16" Washer (2) Kit	10	1	**6.38**
13	ECX1109	5/16" Washer	10	2	**2.66**
★	ECX1108A	5/16" x 3/4" Mounting Screws (2) and 5/16" Washers (2) Kit (Includes #12 & 13)	10	1	**6.38**
14	SX160Z4	26" Long Hose	1	1	**68.13**
15	SPX1105Z4	1 1/2" Elbow Hose Adapter	50	1	**9.58**
16	ECX18028	Hose Clamp	25	2	**5.71**
17	SPX1091Z2PAK2	1 1/2" Straight Hose Adapter *(Set of 2)*	10	1	**12.66**

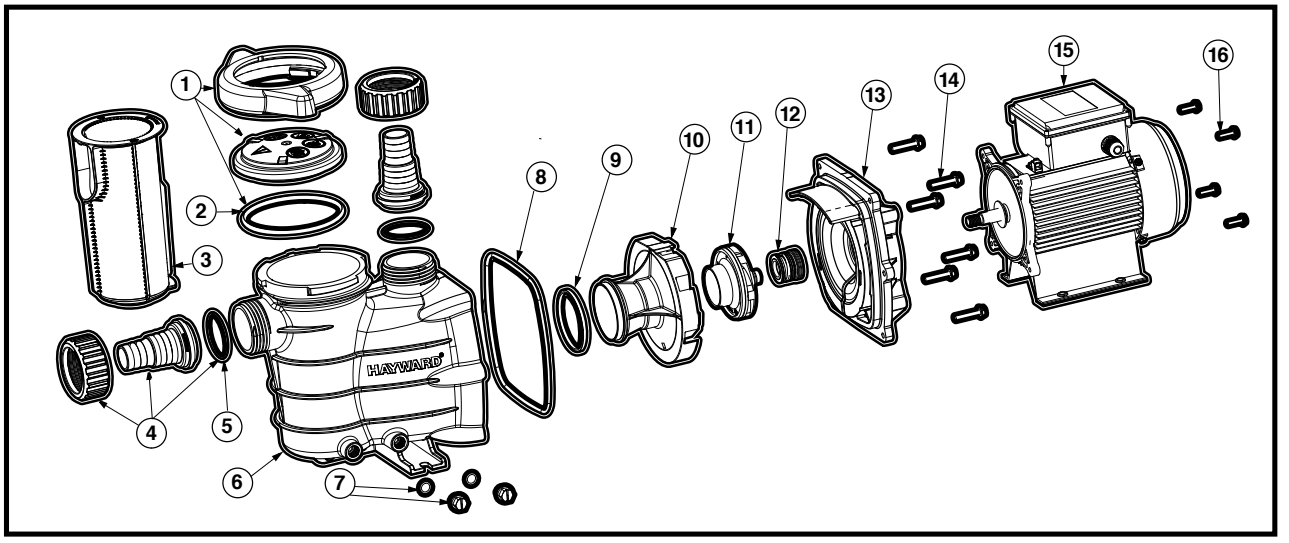
NOTE: *SP0714T Vari-Flo Control Valve used as replacement for SP0704 Valve.

VL210 Series

VL210 SAND FILTER SERIES REPLACEMENT PARTS

Parts Diagram





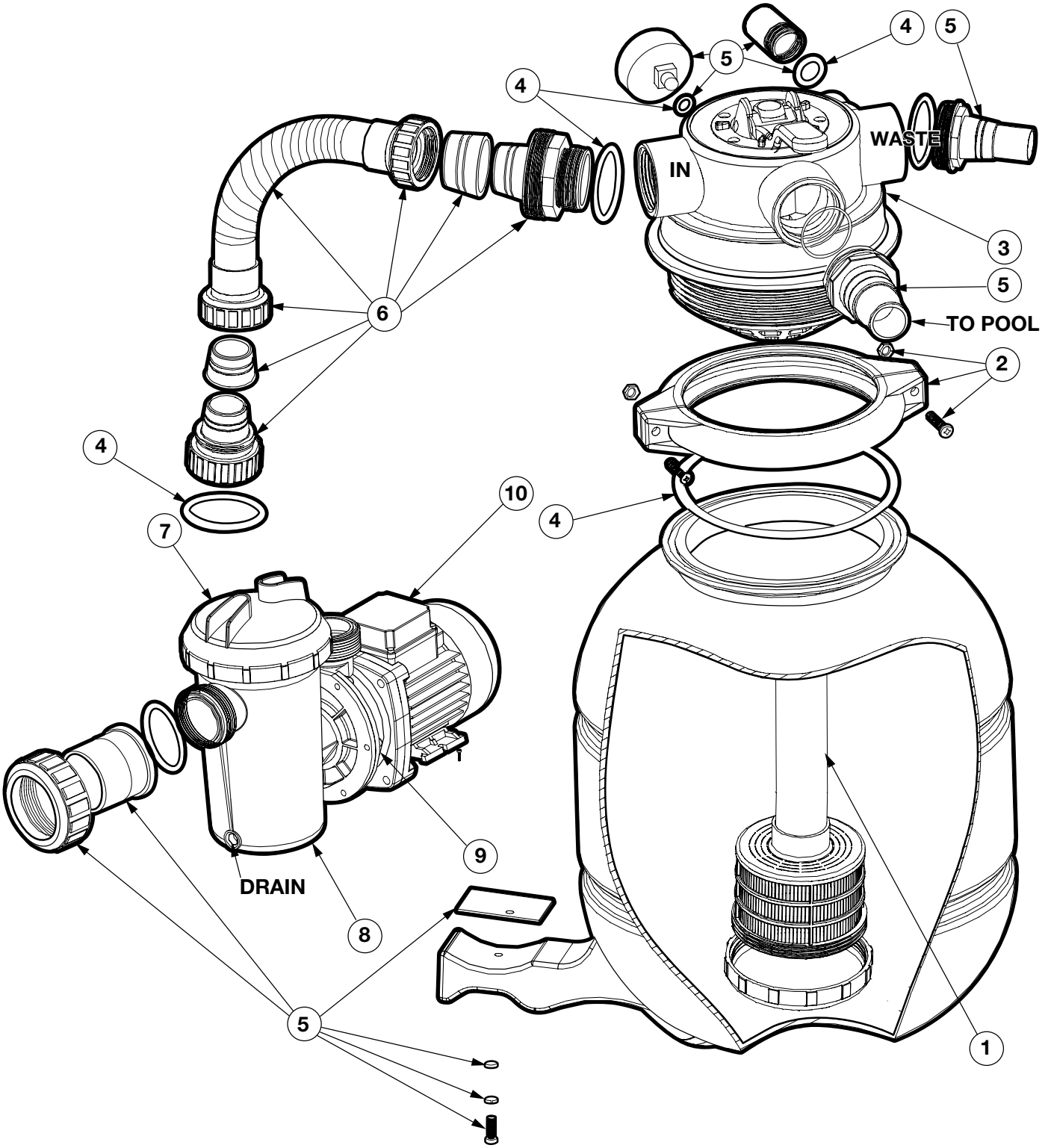
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
Filter				
1	SX180K	System Base	1	**$154.58**
2	ECX1108A	Pump Mounting Screw Kit	10	**6.38**
3	SX180LA	Drain Cap and Gasket	25	**9.60**
4	VLX210DA	Underdrain Assembly – VL210T1285S	1	**58.53**
5	SX202S	Sand Shield	25	**7.53**
6	SP0714T	MultiPort Valve	1	**216.83**
7	GMX600NM	Clamp Assembly	20	**61.16**
8	ECX271261	Pressure Gauge	20	**31.59**
9	GMX600F	Valve O-Ring	100	**21.72**
Pump				
1	SPX8100LDS	Strainer Cover Assembly	20	**$63.26**
2	SPX8100S	Strainer Cover O-Ring	120	**10.91**
3	SPX8100M	Strainer Basket	10	**19.48**
4	SPX8100UNBPAK	Male Adapter Kit	20	**23.34**
5	SPX8100UNO	Male Adapter O-Ring	100	**5.71**
6	SPX8100AA	Pump Housing	4	**112.06**
7	SPX1700FG	Drain Plug Assembly	50	**6.28**
8	GMX600F	Seal Plate O-Ring	100	**21.72**
9	SPX8100R	Diffuser Gasket	100	**5.07**
10	SPX8100B	Diffuser	12	**23.76**
11	VLX1280TB	Impeller	150	**Discont'd**
12	SPX1600Z2	Shaft Seal Assembly	10	**30.41**
13	SPX8100E	Seal Plate	20	**45.65**
14	6060XZ1	Housing Screw Kit	1	**16.28**
15	VLX1285Z1C	Motor	1	**456.73**
16	SPX8100Z1	Motor Mounting Screw	50	**6.97**
—	VLX1280WAT	6' Cord Set	40	**41.51**
—	EPX1280WA1	3' Cord Set Twist Lock	33	**67.17**

VL Series

REPLACEMENT PARTS

Parts Diagram



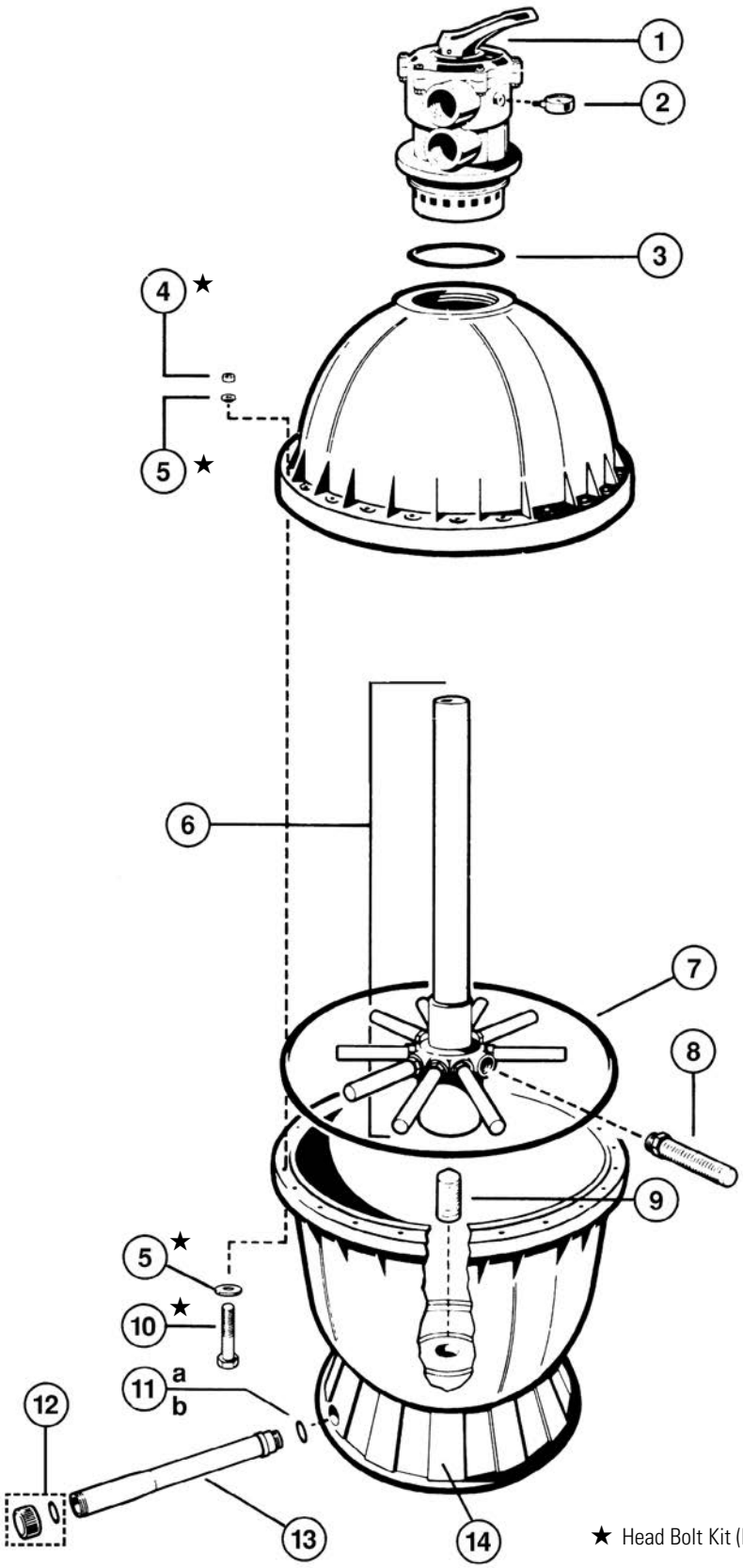
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	VLX4001A	Stand Pipe and Underdrain Assembly	8	1	**$28.61**
2	VLX4002A	Clamp and Clamp Hardware	10	1	**32.08**
3	VLX4003A	Multi-Port Valve	4	1	**197.53**
4	VLX4004A	O-Ring Kit: All O-Rings on Strainer and Filter	10	1	**23.81**
5	VLX4005A	Accessory Kit: All Hose Adapters for Pump and Valve, Pressure Gauge, Sight Glass and Drain Plug with O-Ring	10	1	**68.30**
6	VLX4006A	Pump to Filter Hose including Adapters	10	1	**42.82**
7	VLX4007A	Strainer Lid, Basket with Handle and Strainer O-Ring	8	1	**42.13**
8	VLX4007K	Strainer Housing Kit: Strainer Housing with Drain Plug, O-Ring and Pump Interlocking Nut	4	1	**70.00**
9	VLX4008	Pump Shaft Seal and Pump Body O-Ring	10	1	**39.42**
10	VLX4009	Pump without Strainer	1	1	**583.37**

S160T

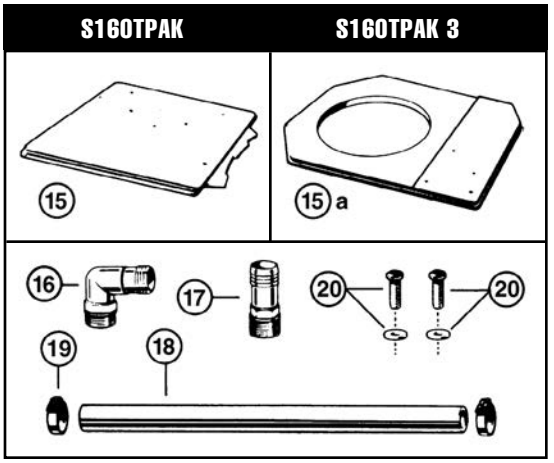
SAND FILTER SERIES REPLACEMENT PARTS

Parts Diagram

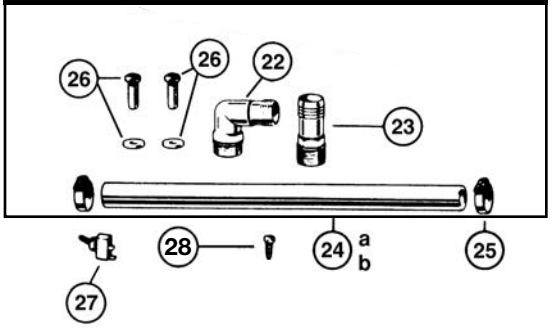


★ Head Bolt Kit (Includes #4, 5 & 10)

S160TPAK | **S160TPAK 3**



S160T SYSTEMS



Folding Umbrella Lateral Assembly

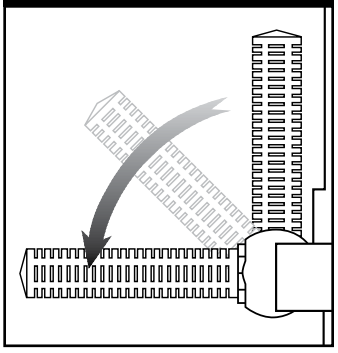


Diagram A

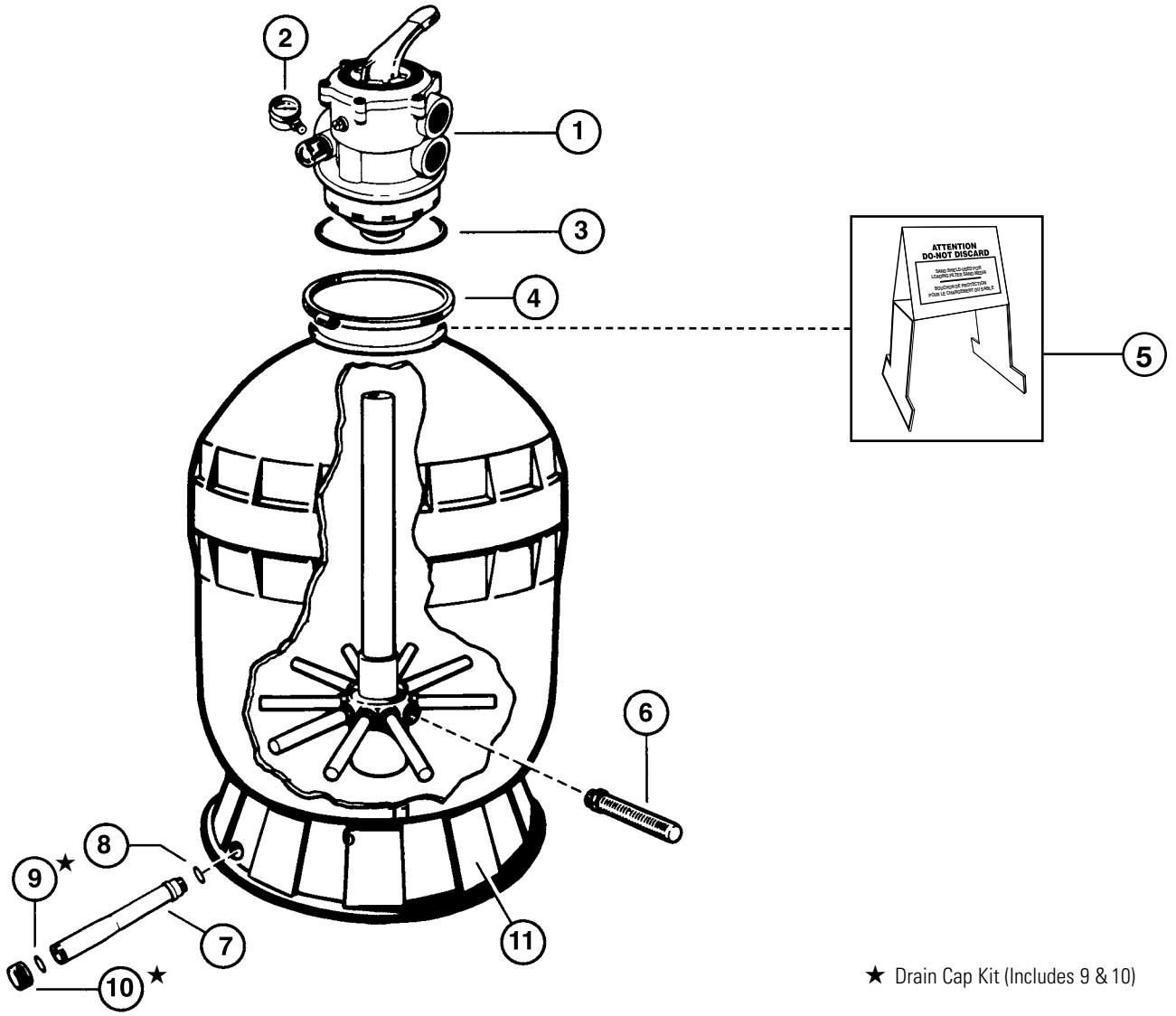
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	SP07121	Vari-Flo Control Valve Assembly	1	1	**Discont'd**
2	ECX270861	Pressure Gauge	50	1	**$31.44**
3	SX200Z6	O-Ring	50	1	**21.27**
4	ECX1642A	Tank Bolt Set	20	16	**8.35**
5	ECX1077	1/4" x 1 1/16" O.D. Flat Washer	50	32	**1.50**
6	SX160QA	Folding Lateral Assembly with Center Pipe – See Diagram A	1	1	**136.04**
7	SX160Z1	O-Ring	20	1	**56.31**
8	SX200QPAK10	Threaded Lateral	10	1	**70.10**
9	SX200H	Bottom Screen	10	1	**7.85**
10	ECX1642215	1/4" – 20 x 1 3/4" Hex. Head Bolt	25	16	**4.83**
11a	SX200Z5	Drain Pipe O-Ring, 1 3/16" O.D.	50	1	**3.18**
11b	SX200Z14	O-Ring, 1" O.D. (after 1980)	50	1	**3.40**
12	SX200Z8A	Drain Cap and Gasket	50	1	**6.77**
13	SX200EB	Drain Pipe Assembly (Includes Cap and Gasket)	50	1	**32.21**
14	SX200J	Filter Support Stand (Skirt)	1	1	**129.81**
★	ECX1642A	Head Bolt Kit (Includes #4, 5 and 10)	20	1	**8.35**
S160TPAK 1 and PAK 3					
15	ECX1289	Standard Pump Mounting Base	1	1	**Discont'd**
15a	ECX1291	Pump and Filter Mounting Base	1	1	**$307.84**
16	SPX1105Z4	1 1/2" Elbow Hose Adapter	50	1	**9.58**
17	SPX1091Z2PAK2	1 1/2" Straight Hose Adapter	10	1	**12.66**
18	SX201Z1	33" Long Hose	2	1	**77.19**
19	ECX18028	Hose Clamp	25	2	**5.71**
20	ECX1161Z2	Mounting Screw Set with Washer	10	2	**10.59**
S160T Systems					
22	SPX1105Z4	1 1/2" Elbow Hose Adapter	50	1	**$9.58**
23	SPX1091Z2PAK2	1 1/2" Straight Hose Adapter	10	1	**12.66**
24a	SX160Z4	26" Long Hose (1700 Systems)	1	1	**68.13**
24b	SX160Z3	31" Long Hose (1500 Systems)	1	1	**68.57**
25	ECX18028	Hose Clamp	25	2	**5.71**
26	ECX1161Z2	Mounting Screw Set with Washer	10	2	**10.59**
27	ECX1325	Switch Assembly	10	1	**21.89**
28	SPX1411Z3	Pan Head Hilo Screw	—	4	**Discont'd**
—	SPX1250WA	6 ft. Cord Kit for Pump	10	1	**41.51**

S245T & S190T

SAND FILTER SERIES REPLACEMENT PARTS

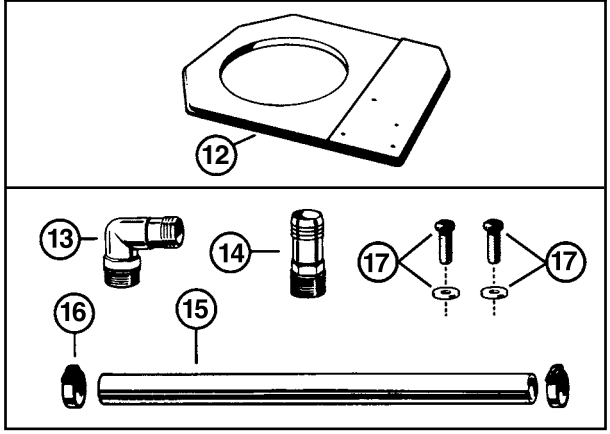
Parts Diagram



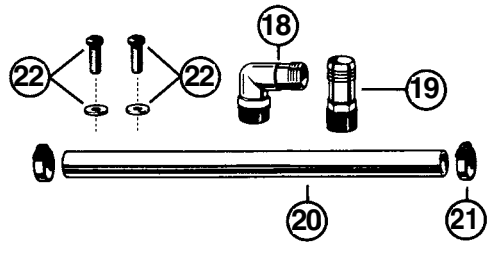
★ Drain Cap Kit (Includes 9 & 10)

S190T and S245T SERIES PAKS

S160TPAK 3



S190T SYSTEMS



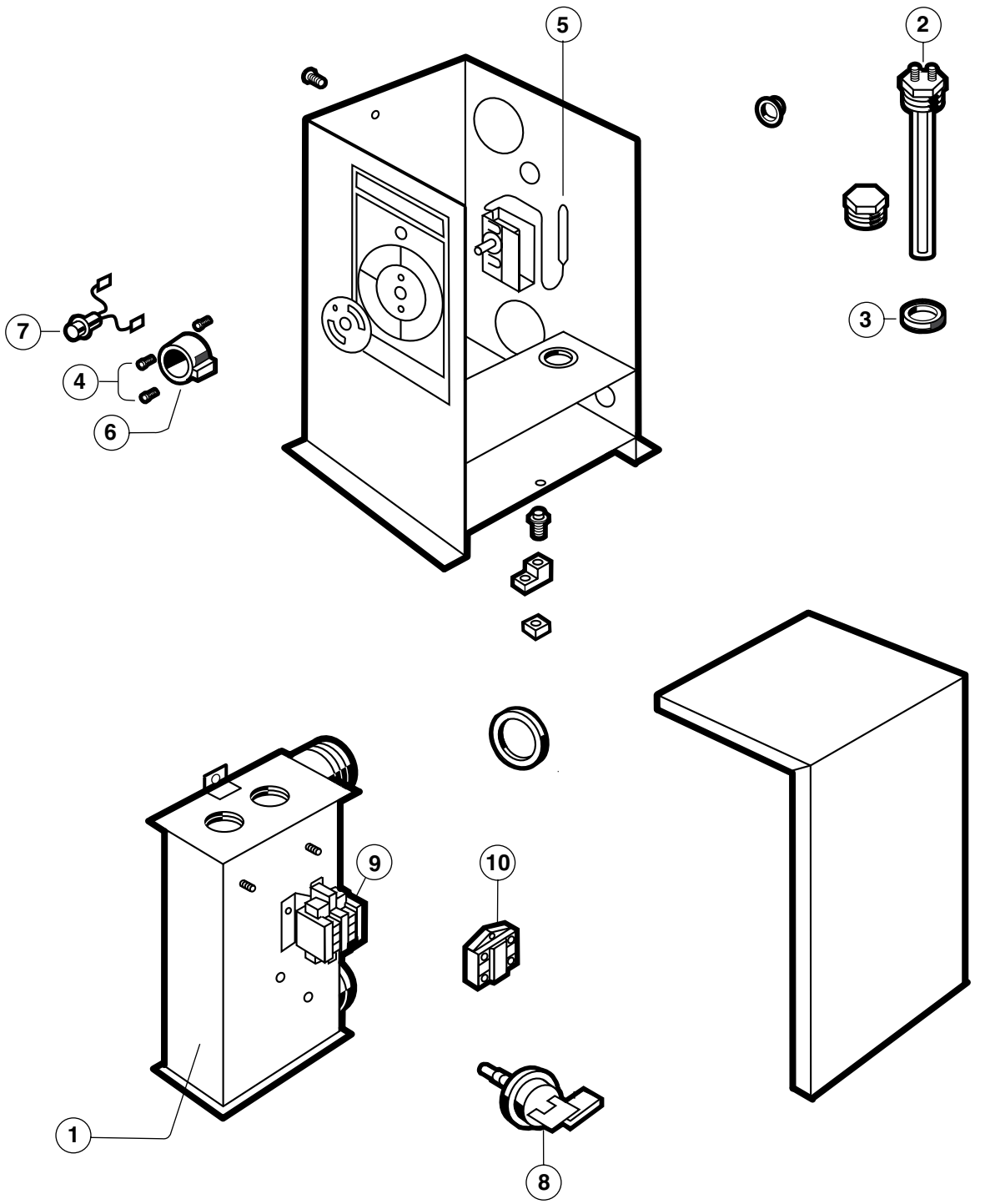
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
S190T Series					
1	SP0714T	Vari-Flo XL Control Valve Assembly	1	1	**$216.83**
2	ECX270861	Pressure Gauge	50	1	**31.44**
3	GMX600F	Valve/Tank O-Ring	100	1	**21.72**
4	GMX600N	Flange Clamp (Valve – Tank)	10	1	**66.68**
5	SX202S	Sand Shield	25	1	**7.53**
6	SX200QPAK10	Threaded Lateral	10	1	**70.10**
7	SX200EB	Drain Pipe Assembly (Includes Cap and Gaskets, O-Rings)	50	1	**32.21**
8	SX200Z14	Drain Pipe O-Ring	50	1	**3.40**
9	SX200Z9	Drain Cap Gasket	25	1	**2.17**
10	SX200Z8A	Drain Cap Kit (Includes #9 & 10)	50	1	**6.77**
11	SX200J	Filter Support Stand	1	1	**129.81**
S245T Series (not illustrated) – Parts same as S190T, except:					
6	SX240DPAK10	Threaded Lateral	10	1	**$73.50**
S160TPAK1 and PAK3					
12	ECX1291	Pump and Filter Mounting Base	1	1	**$307.84**
13	SPX1105Z4	1 ½" Elbow Hose Adapter	50	1	**9.58**
14	SPX1091Z2PAK2	1 ½" Straight Hose Adapter	10	1	**12.66**
15	SX201Z1	33" Long Hose	2	1	**77.19**
16	ECX18028	Hose Clamp	25	2	**5.71**
17	ECX1161Z2	Mounting Screw Set with Washer	10	2	**10.59**
S190T Systems					
18	SPX1105Z4	1 ½" Elbow Hose Adapter	50	1	**$9.58**
19	SPX1091Z2PAK2	1 ½" Straight Hose Adapter	10	1	**12.66**
20	SX160Z3	31" Long Hose	1	1	**68.57**
21	ECX18028	Hose Clamp	25	2	**5.71**
22	ECX1161Z2	Mounting Screw Set with Washer	10	2	**10.59**

C-Spa XI Models 5.5 – 11

HEATER REPLACEMENT PARTS

Parts Diagram



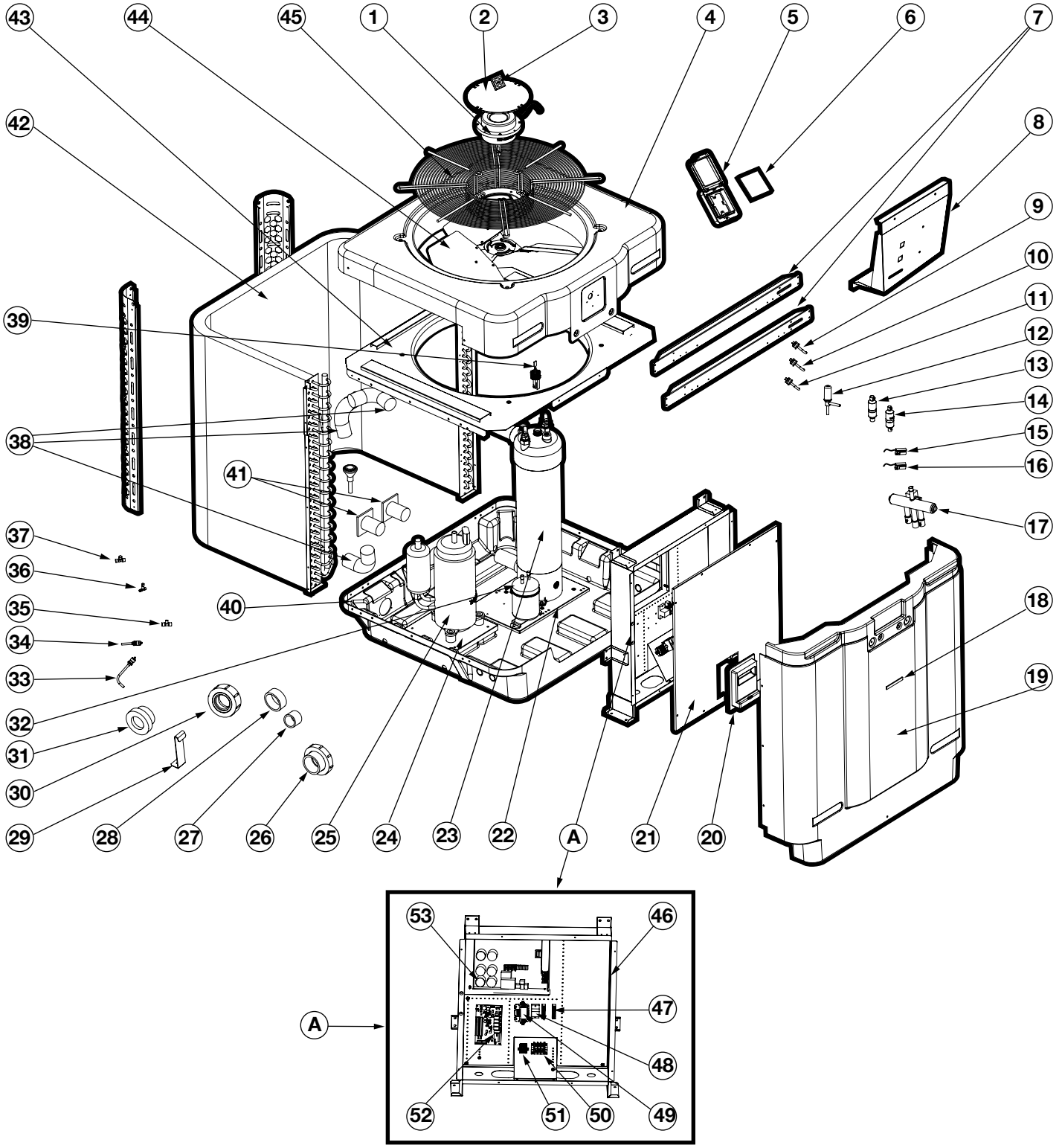
Parts Listing

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	CZXTNK6607	Tank	6	CZXTSK2003	Thermostat Knob
2	CZXELE7623	Element – 5500 watts 240 volts	7	CZXLIT3613	Indicator Light 240 volts
3	CZXGKT7627	Element Gasket	8	CZXPRS1105	Pressure Switch
4	CZXSCR3003	Thermostat Screw	9	CZXCON3645	Contactor
5	CZXTST3006	Thermostat	10	CZXHLC3105	High Limit

HP50951T

IN-GROUND POOL AND SPA REPLACEMENT PARTS

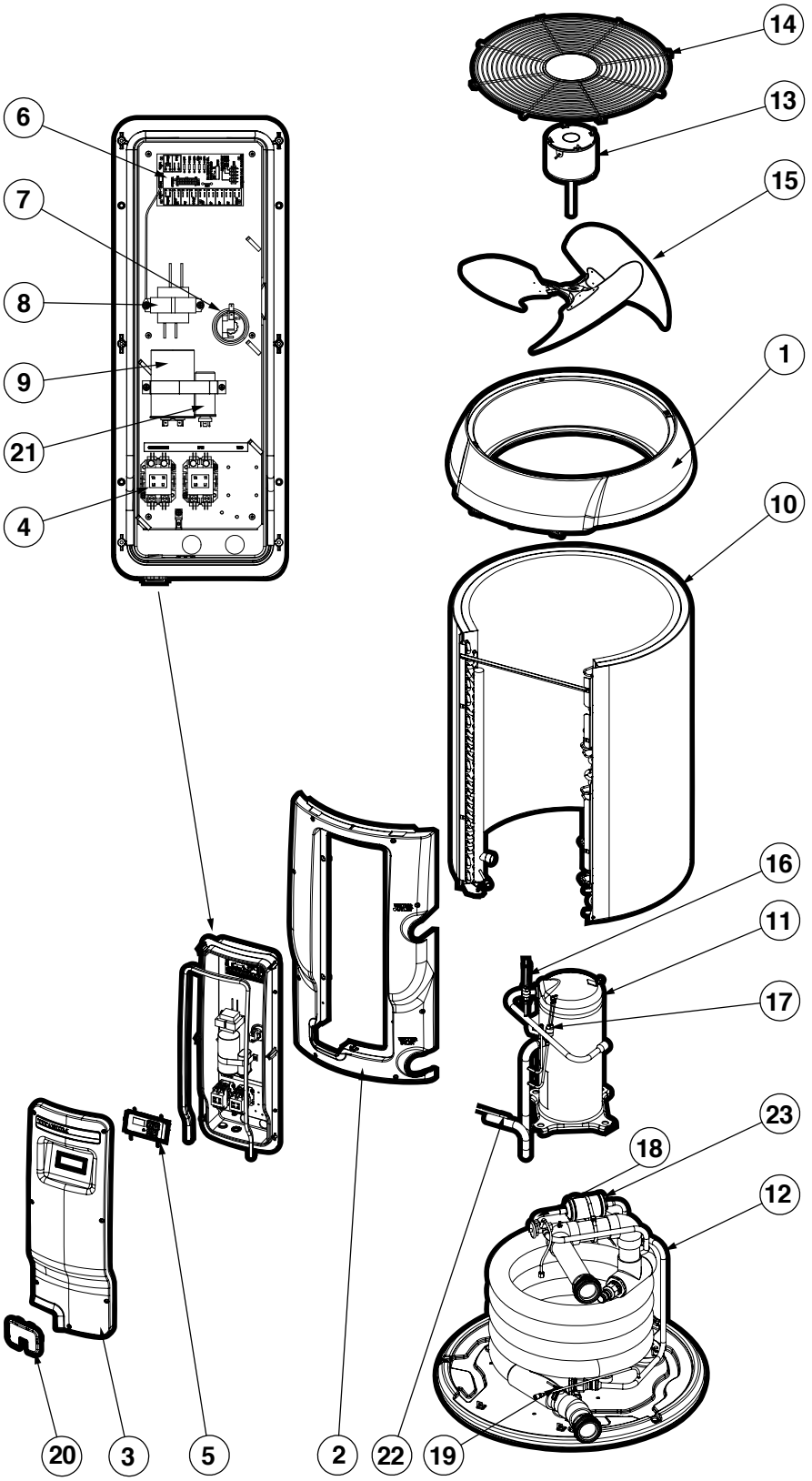
Parts Listing: HP50951T



Parts Listing: HP50951T

Ref. No.	Part No.	Description	List Price
1	HPX20000390223	Axial Flow Fan Motor	**$15.36**
2	HPX20000220320	Cover Plate	**15.36**
3	HPX83700122	The Trademark	**108.93**
4	HPX80900744	The Top	**423.86**
5	HPX80900320	Rain Guard	**147.29**
6	HPX82300038	CP203	**747.85**
7	HPX80705635	The Beam	**70.50**
8	HPX32004210137	The Fan Guard	**45.97**
9	HPX20000360187	Pressure Switch	**34.50**
10	HPX20000360052	Pressure Switch	**34.50**
11	HPX20000360054	Pressure Switch	**30.68**
12	HPX20000140401	Electronic Expansion Valve	**229.98**
13	HPX20000140027	The Filter	**19.13**
14	HPX2004-1444	The Filter	**25.76**
15	HPX2000-3242	Thermistor	**10.51**
16	HPX20003223	Thermistor	**15.36**
17	HPX20011491	Four-Way Valve	**199.32**
18	HPX83700118	The Trademark	**19.72**
19	HPX80900745	The Front Panel	**315.81**
20	HPX20000220247	The Junction Box Body	**42.18**
21	HPX80705636	Electrical Plate	**201.12**
22	HPX32004210135	Titanium Pipe Support	**34.50**
23	HPX32016120011	Titanium Tube Heat Exchanger	**1,688.52**
24	HPX32004210134	Press Stents	**26.81**
25	HPX20000110373	Compressor	**2,460.50**
26	HPX81800023	Adapter	**22.97**
27	HPX81800029	Pipe	**73.60**
28	SPX3200UNKIT	Union	**66.70**
29	HPX80705641	Fixed Bracket	**Discont'd**
30	HPX81800025	Nut	**110.36**
31	SPX3200UNADP	Butt Nipple with Gasket	**26.30**
32	HPX72200101-B	Liquid Storage Tank	**Discont'd**
33	HPX20000-140150	Needle Valve	**13.81**
34	HPX20000-140512	Needle Valve	**Discont'd**
35	HPX304030-00002	Tee	**4.63**
36	HPX2000-1460	Tee	**9.21**
37	HPX2000-1435	Tee	**Discont'd**
38	HPX2001-1359	The 90° Elbow	**Discont'd**
39	HPX20000-360005	Water Flow Switch (Mould)	**65.32**
40	HPX80900743	Chassis	**—**
41	HPX20031379	Joint	**19.13**
42	HPX80600731	Finned Heat Exchanger	**2,287.35**
43	HPX32015210035	Top Support Plate Component	**237.61**
44	HPX20000270057	Axial Flow Fan	**218.45**
45	HPX80700160	Fan Nets with Plastic Cover	**201.32**
46	HPX80707055	Electrical Box Liner	**—**
47	HPX2000-3909	Two Socket	**31.00**
48	HPX20000-360297	Relay	**22.97**
49	HPX20000-360006	Single Phase AC Contactor	**54.81**
50	HPX20000390223	Three Terminal Blocks	**15.36**
51	HPX20000390046	Terminal	**3.84**
52	HPX95005-310569-B	PC1002	**Discont'd**
53	HPX82300018	Variable Frequency Driver Module	**2,040.28**

Parts Diagram: HP20654T, HP20654BT, HP20854BT, HP20854T, HP21104T, HP21104TC



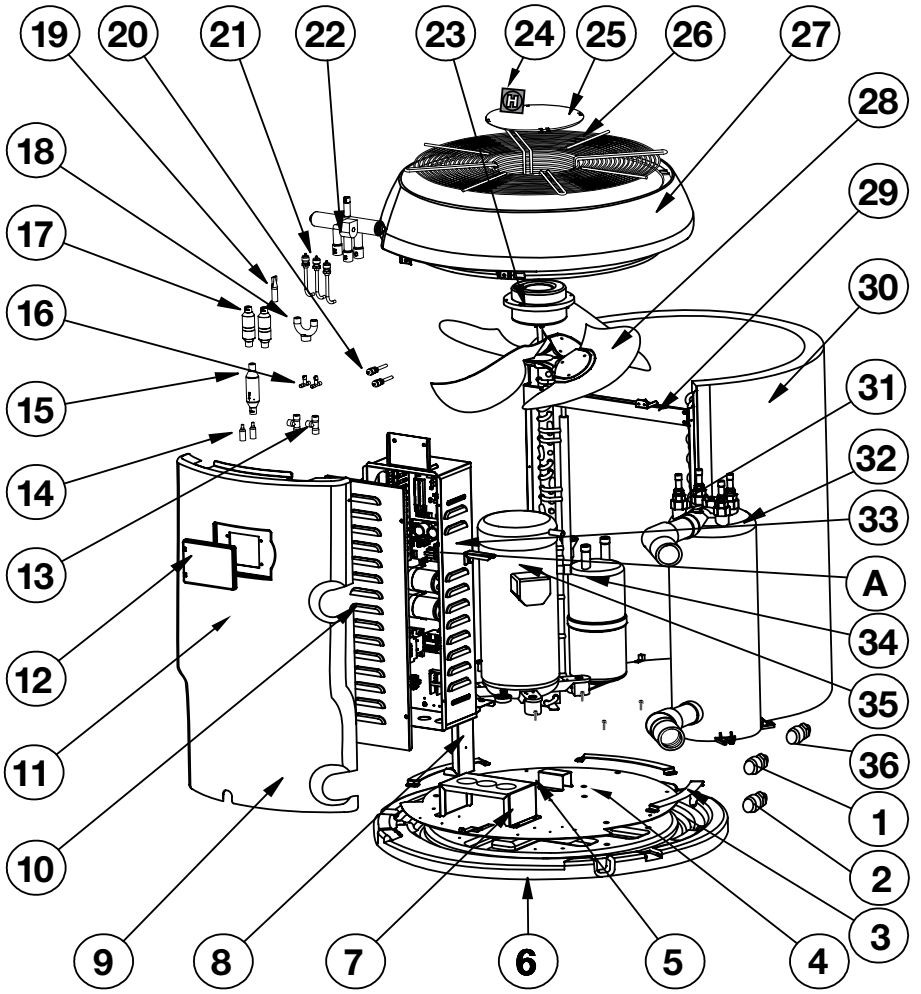
Parts Listing: HP20654T, HP20654BT, HP20854T, HP20854BT, HP21104T, HP21104TC

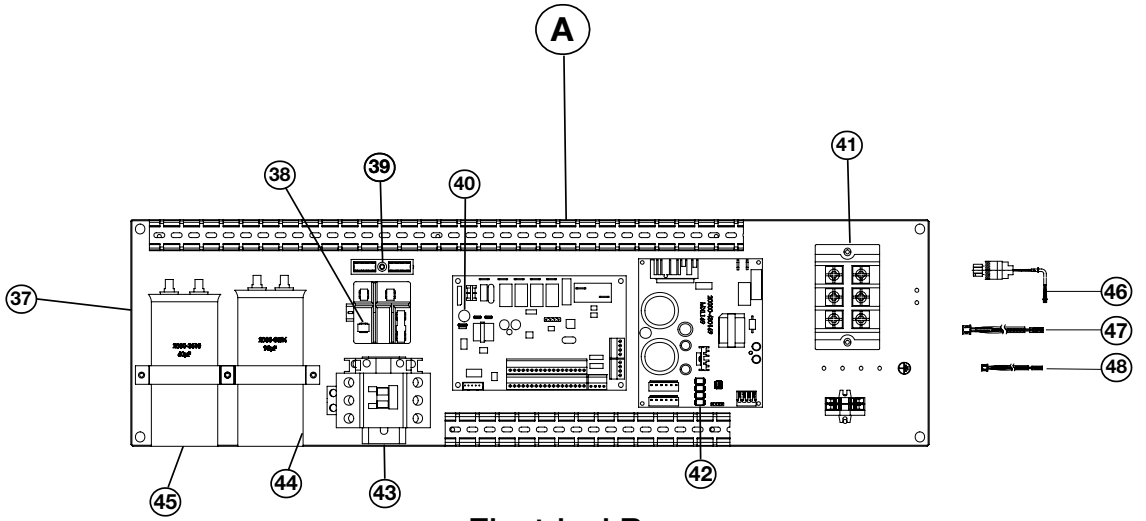
Ref. No.	Part No.	Description	List Price
1	HPX01023502	Fan Top for HP20654T, HP20854T, HP21104T and HP21104TC	**$147.91**
2	HPX01023503	Side Panel for HP20654T, HP20854T, HP21104T and HP21104TC	**91.60**
3	HPX01023505	Control Box Cover	**152.79**
4	HPX1985	Contactor	**93.67**
5	HPX26024139	Control Board Assembly	**314.66**
6	HPX11024130	Interface Board	**151.41**
7	HPX2181	Water Pressure Switch	**78.92**
8	HPX11023693	Transformer	**66.38**
9	HPX11024270	Compressor Run Capacitor for HP20654T and HP20654BT	**50.50**
9	HPX11024272	Compressor Run Capacitor for HP20854T and HP20854BT	**56.98**
9	SMX11022320	Compressor Run Capacitor for HP21104T and HP21104TC	**66.95**
10	HPX24024238	Bent Coil with Guard for HP20654T and HP20854T	**2,195.88**
10	HPX24024241	Bent Coil with Guard for HP21104T and HP21104TC	**3,142.90**
11	HPX11024204	Compressor for HP20854T and HP20854BT	**2,337.29**
11	SMX11012753**	Compressor for HP21104T and HP21104TC	**2,422.53**
12	HPX24012850	Condenser for HP21104T	**2,414.33**
12	HPX24012851	Condenser for HP21104TC	**2,414.33**
12	HPX24024712	Condenser for HP20654T, HP20854T, HP20654BT and HP20854BT	**2,414.33**
13	HPX11023564	Fan Motor, 1/3 H.P.	**421.15**
14	HPX01023561	Fan Guard	**Discont'd**
15	HPX15024321	Fan Blade	**161.82**
16	HPX11024258	High Pressure Switch	**77.66**
17	HPX11024259	Low Pressure Switch	**83.08**
18	HPX15012843	Thermostatic Expansion Valve for HP20854T and HP20854BT	**183.17**
18	HPX15012842*	Thermostatic Expansion Valve for HP21104T and HP21104TC	**338.32**
18	HPX15012852**	Thermostatic Expansion Valve for HP21104T and HP21104TC	**183.17**
19	HPX2169	Temperature Sensor	**55.99**
20	HPX01023760	Electrical Entry Plug	**27.73**
21	HPX11024151	Fan Run Capacitor	**34.30**
22	HPX11024169	Defrost Sensor	**43.58**
23	HPX1462	Filter Drier	**120.90**
NOT PICTURED			
—	HPX10023517	HPC Cable	**$57.99**
—	HPX02024108	Compressor Blanket	**153.55**
—	HPX10024732	Compressor Electrical Plug for HP20654T and HP20654BT	**41.74**
—	HPX10024289*	Compressor Electrical Plug for HP20854T, HP21104T and HP20854BT and HP21104TC	**43.78**
—	HPX10024732**	Compressor Electrical Plug for HP21104T and HP21104TC	**41.74**
—	SMX15026191	Hot Gas Bypass Valve for HP21104TC	**410.69**
—	SMXHP2215	Hose Barb Service Kit	**19.53**

NOTES: *Used on units prior to s/n 21131410102317001

**Used on units after s/n 21131410102458001

Parts Diagram





Electrical Box

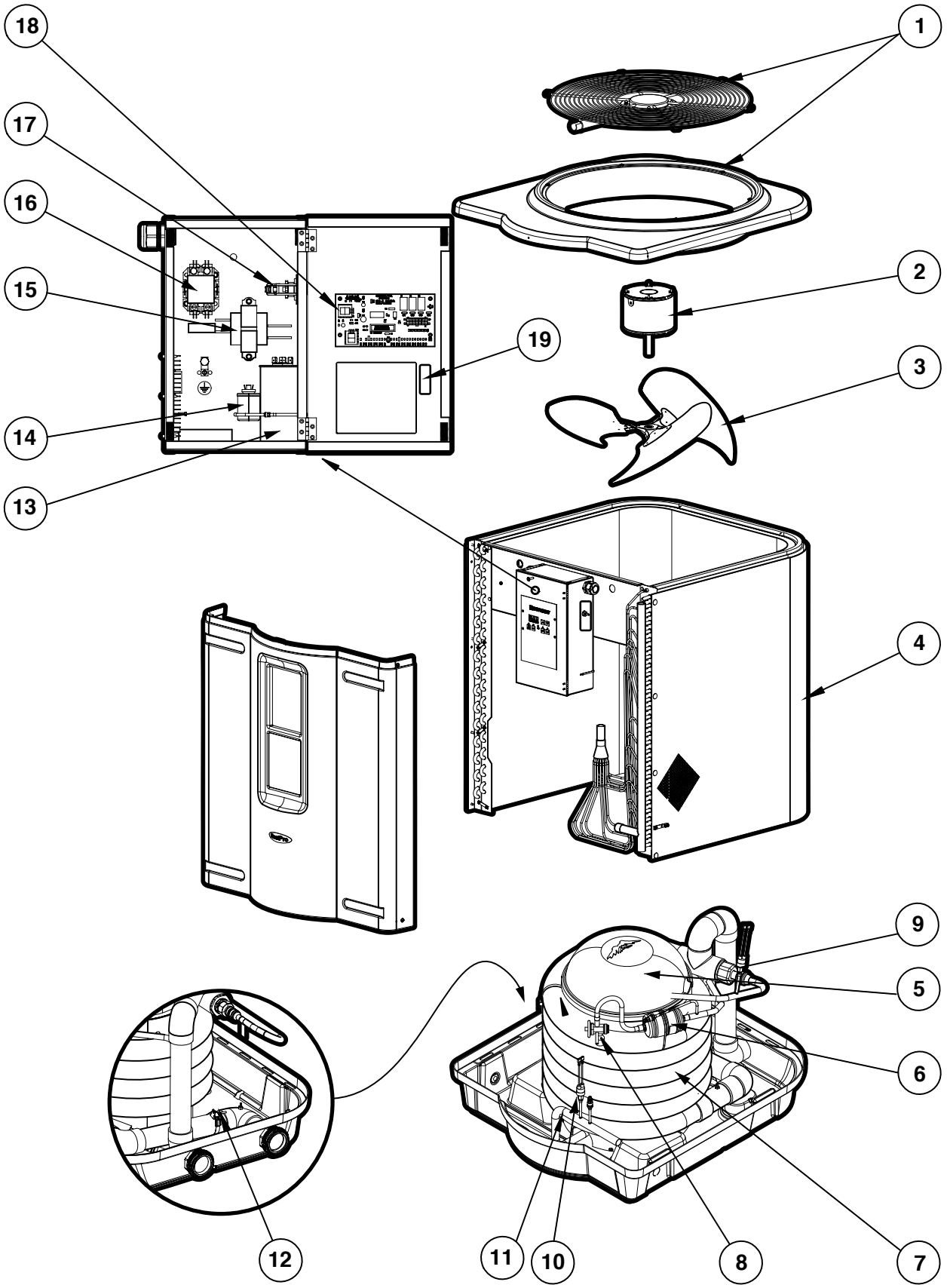
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	HPX20000360187	Pressure Switch	1	**$34.50**
2	HPX20000360054	Pressure Switch	1	**30.68**
3	HPX80711461	Support Plate	1	—
4	HPX80711454	Floor	1	—
5	HPX80711460	Nozzle Fixing Plate	1	—
6	HPX80901110	Chassis	1	—
7	HPX80711455	Electrical Box Bracket	1	—
8	HPX80711459	Filter Support	1	—
9	HPX80901109	Front Panel	1	**167.88**
10	HPX80711456	Electrical Box Cover	1	**34.98**
11	HPX83700118	The Trademark	1	**19.72**
12	HPX72200348	LED302	1	**119.57**
13	HPX2000-1449	Tee	2	—
14	HPX20000-140085	Reducing Diameter	2	—
15	HPX20011497	Check Valve	1	**52.46**
16	HPX2000-1460	Tee	2	**9.21**
17	HPX20000140027	Filter	2	**19.13**
18	HPX81500341	Tee	1	—
19	HPX20000-140147	Reducing Diameter	1	—
20	HPX20000-140150	Needle	2	**13.81**
21	HPX20000-140512	Needle	3	—
22	HPX20011491	Four-Way Valve	1	**199.32**
23	HPX20000330381	Fan Motor	1	**335.77**
24	HPX83700122	The Trademark	1	**108.93**
25	HPX20000220320	Motor Cover Plate	1	**15.36**
26	HPX80710856	Fan Protection Net	1	**157.39**
27	HPX80901118	Cover	1	**216.85**
28	HPX80300033	Fan	1	**153.89**
29	HPX80712127	Fin Fixing Plate	1	—
30	HPX80601153	Fin Heat Exchanger	1	**2,473.49**
31	HPX83000069	Water Flow Switch	1	**52.20**
32	HPX80601154	Titanium Heat Exchanger	1	**1,934.16**
33	HPX80711453	Electrical Box	1	—
34	HPX35051405	Gas Liquid Separator	1	**139.90**
35	HPX20000110040	Compressor	1	**2,364.36**
36	HPX20000360052	Pressure Switch	1	**34.50**
37	HPX80711457	Electrical Box Liner	1	—
38	HPX20000360035	Start Relay	1	**24.48**
39	HPX20003909	Terminal Board (2 bit)	1	**3.50**
40	HPX220130-0016E	PC1004	1	—
41	HPX20000390222	Terminal Board (3 bit)	1	**27.98**
42	HPX72200052	Speed Control Module	1	**183.96**
43	HPX82900067	AC Contactor	1	**230.84**
44	HPX20003524	Compressor Capacitance	1	**101.43**
45	HPX20003510	Compressor Capacitance	1	**41.97**
46	HPX20000360306	Pressure Sensor	1	**195.86**
47	HPX20000320145	Temperature Sensor	1	**17.41**
48	HPX20003202	Temperature Sensor	1	**13.99**

HeatPro®/Summit XL

HEAT PUMP REPLACEMENT PARTS

Parts Diagram: HP21404T, HP21404TC, HP21004T, HP21254T, SUMXL112, SUMXL140, HP21124T



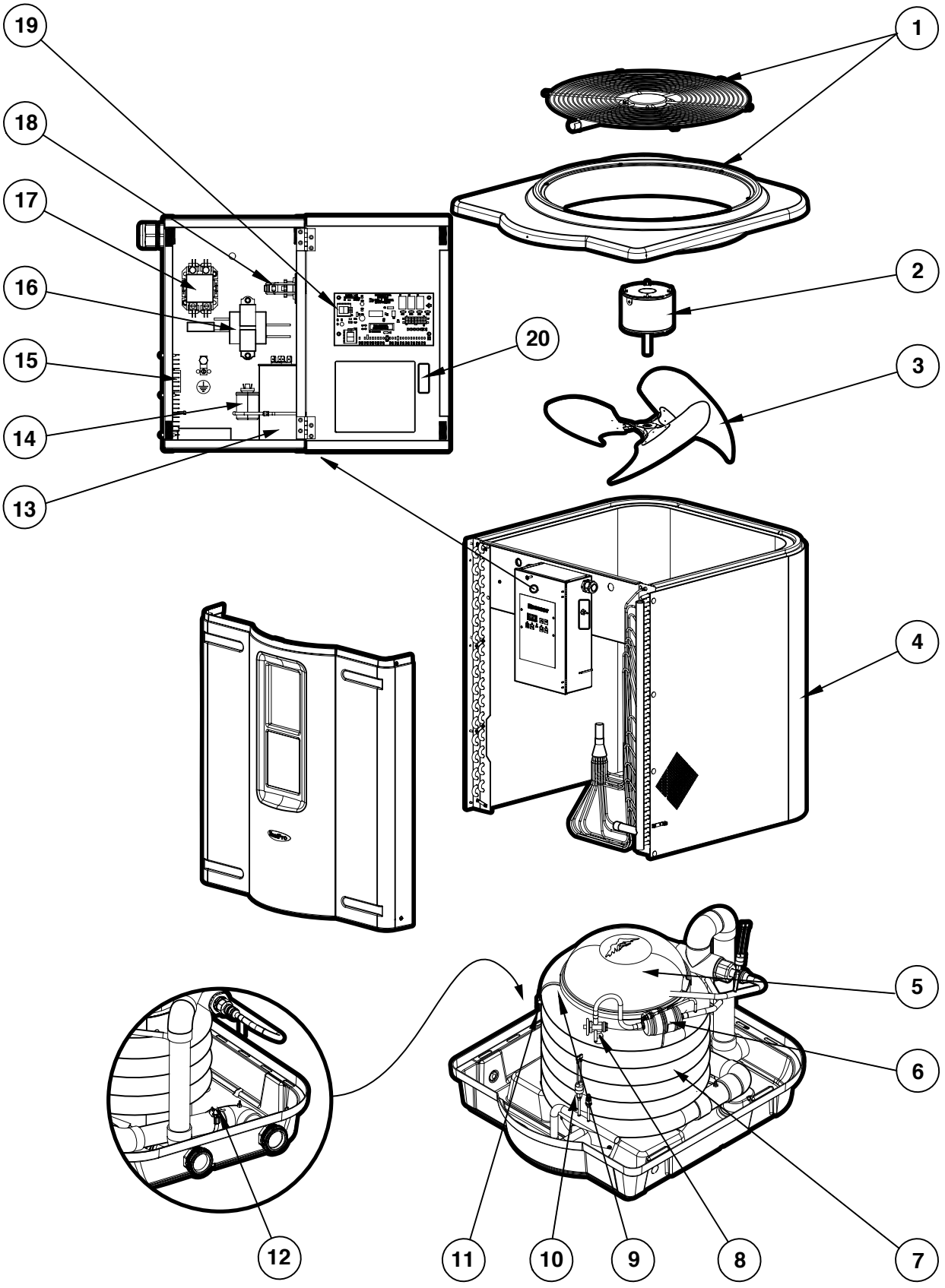
Parts Listing: HP21404T, HP21404TC, HP21004T, HP21254T, SUMXL112, SUMXL140, HP21124T

Ref. No.	Part No.	Description	List Price
1	SMX309077011	Top Panel – Taupe with Guard	**$148.40**
2	SMX300055036	Fan Motor	**348.37**
3	SMX303140003	Fan Blade	**324.48**
4	SMX305099004	Evaporator for HP21404T, HP21404TC	**5,216.65**
	SMX24024408	Evaporator for HP21254T, HP21124T	**3,261.63**
	SMX24024414	Evaporator for HP21004T	**2,096.62**
5	SMX11017204	Compressor for HP21004T prior to serial number 21131501105230001	**2,388.94**
	SMX301150010	Compressor for HP21124T prior to serial number 21131501102140001	**3,476.37**
	SMX11024201	Compressor for HP21254T prior to serial number 21131405101250001	**3,727.01**
	SMX11024201	Compressor for HP21404T prior to serial number 21131404105240001	**3,727.01**
	SMX11012751	Compressor for HP21004T after serial number 21131501105230001	**2,422.53**
	SMX11012753	Compressor for HP21124T after serial number 21131501102140001	**2,422.53**
	SMX11012755	Compressor for HP21254T after serial number 21131405101250001	**2,422.53**
	SMX11012755	Compressor for HP21404T after serial number 21131404105240001	**2,422.53**
	SMX10024715	Compressor Plug (not shown) for HP21004T prior to serial number 21131501105230001	**61.21**
	SMX10024715	Compressor Plug (not shown) for HP21124T prior to serial number 21131501102140001	**61.21**
	SMX10024715	Compressor Plug (not shown) for HP21254T prior to serial number 21131405101250001	**61.21**
	SMX10024715	Compressor Plug (not shown) for HP21404T prior to serial number 21131404 105240001	**61.21**
	SMX10022329	Compressor Plug (not shown) for HP21004T after serial number 21131501105230001	**65.50**
	SMX10022329	Compressor Plug (not shown) for HP21124T after serial number 21131501102140001	**65.50**
	SMX10022329	Compressor Plug (not shown) for HP21254T after serial number 21131405101250001	**65.50**
	SMX10022329	Compressor Plug (not shown) for HP21404T after serial number 21131404105240001	**65.50**
6	HPX1462	Filter – Drier for all	**120.90**
7	SMX24024864	Heat-Exchanger for HP21404T	**2,958.08**
	SMX24022372	Heat Exchanger for HP21004T	**2,567.83**
	SMX24024509	Heat Exchanger for HP21124T prior to serial number 21131708100361001	**2,567.83**
	SMX2401347101	Heat Exchanger for HP21124T after serial number 21131708100361001	**3,130.61**
8	SMX15024595	Thermal Expansion Valve (TXV) for HP21004T prior to serial number 21131501105230001	**190.48**
	SMX15024595	Thermal Expansion Valve (TXV) for HP21124T prior to serial number 21131501102140001	**190.48**
	SMX15012865	Thermal Expansion Valve (TXV) for HP21004T after serial number 21131501105230001	**190.48**
	SMX15022368	Thermal Expansion Valve (TXV) for HP21124T after serial number 21131501102140001	**345.19**
	SMX15024595	Thermal Expansion Valve (TXV) for HP212541 after serial number 21131405101250001	**190.48**
	SMX15024916	Thermal Expansion Valve (TXV) for HP21404T after serial number 21131404105240001	**190.48**
9	HPX11024258	High Pressure Switch	**77.66**
10	HPX11024259	Low Pressure Switch	**83.08**
11	SMX306000023	Defrost Sensor	**49.47**
12	SMX306000024	Water Temperature Sensor for HP21404T, HP21004T, HP21254T and HP21124T	**49.47**
13	SMX11022320	Compressor Run Capacitor	**66.95**
14	HPX11024151	Fan Capacitor	**34.30**
15	HPX11023693	Transformer	**66.38**
16	HPX1985	Contactor	**93.67**
17	HPX2181	Water Pressure Switch	**78.92**
18	SMX306000016	Control Board for HP21404T, HP21004T, HP21124T and HP21254T	**482.07**
19	SMX1101191101	Master On/Off Switch	**27.04**
NOT PICTURED			
—	SMX14024927	Consumer Kit	**$62.03**

HeatPro® Heat Cool

HEAT PUMP REPLACEMENT PARTS

Parts Diagram: HP31154T, HP31204T



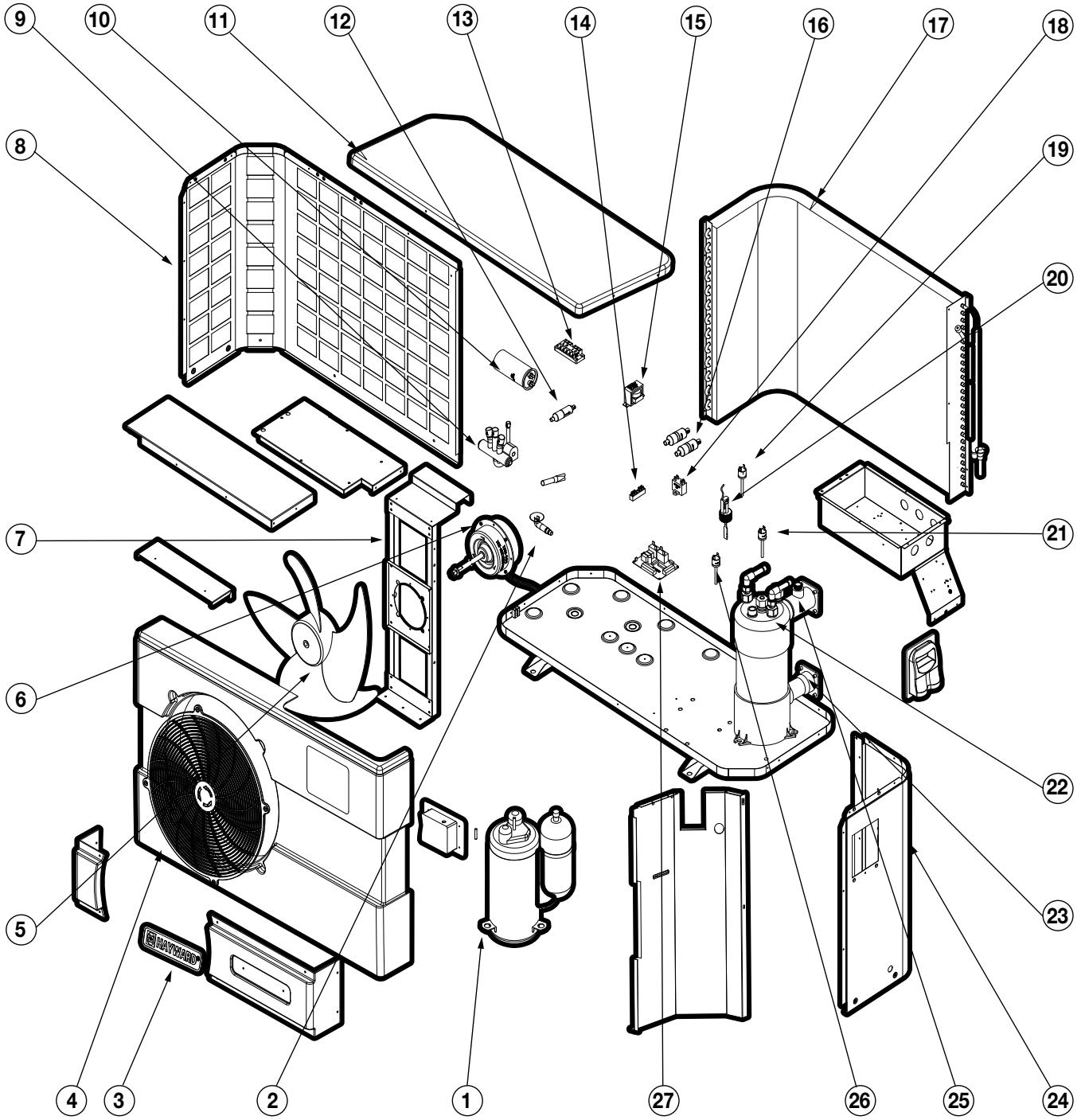
Parts Listing: HP31154T, HP31204T

Ref. No.	Part No.	Description	List Price
1	SMX309077011	Top Panel, Taupe with Guard	**$148.40**
2	SMX300055036	Fan Motor	**348.37**
3	SMX303140003	Fan Blade	**324.48**
4	SMX24024408	Evaporator for SUMXL112 (2017)	**3,261.63**
5	SMX301150010	Compressor for HP31154T	**3,476.37**
	SMX11012754	Compressor for HP31204T	**2,365.36**
	SMX10024715	Compressor Plug (not shown) for HP31154T	**61.21**
	SMX10024899	Compressor Wire Harness (not shown) for HP31024T	**62.79**
7	SMX15022309	Filter – Drier for HP31204T and HP31154T	**117.99**
8	SMX24024942	Heat-Exchanger for HP31154T	**3,427.44**
	SMX24022306	Heat-Exchanger for HP31204T	**2,954.76**
9	SMX15024595	Thermal Expansion Valve (TXV) for HP31154T	**190.48**
	SMX15024595	Thermal Expansion Valve (TXV) for HP31204T	**190.48**
10	HPX11024258	High Pressure Switch	**77.66**
11	HPX11024259	Low Pressure Switch	**83.08**
12	SMX306000023	Defrost Sensor	**49.47**
13	SMX11022320	Compressor Run Capacitor	**66.95**
14	HPX11024151	Fan Capacitor	**34.30**
15	HPX11023509	Interface Board for HP31154T and HP31204T	**164.11**
16	SMX11022320	Compressor Run Capacitor	**66.95**
17	HPX11024151	Fan Capacitor	**34.30**
18	HPX11023509	Interface Board for HP31154T and HP31204T	**164.11**
19	HPX11023693	Transformer	**66.38**
20	HPX1985	Contactor	**93.67**
—	HPX2181	Water Pressure Switch	**78.92**
—	SMX11023511	Control Board for HP31154T and HP31204T	**309.44**
—	SMX1101191101	Master On/Off Switch	**27.04**
NOT PICTURED			
—	HPX10023517	Control Board Cable for HP31154T and HP31204T	**$57.99**
—	SMX14024927	Consumer Kit	**62.03**
—	SMX15022313	Reversing Valve for HP31204T	**Discont'd**

HP50HA1

HEAT PUMP REPLACEMENT PARTS

Parts Listing: HP50HA, HP50HA1



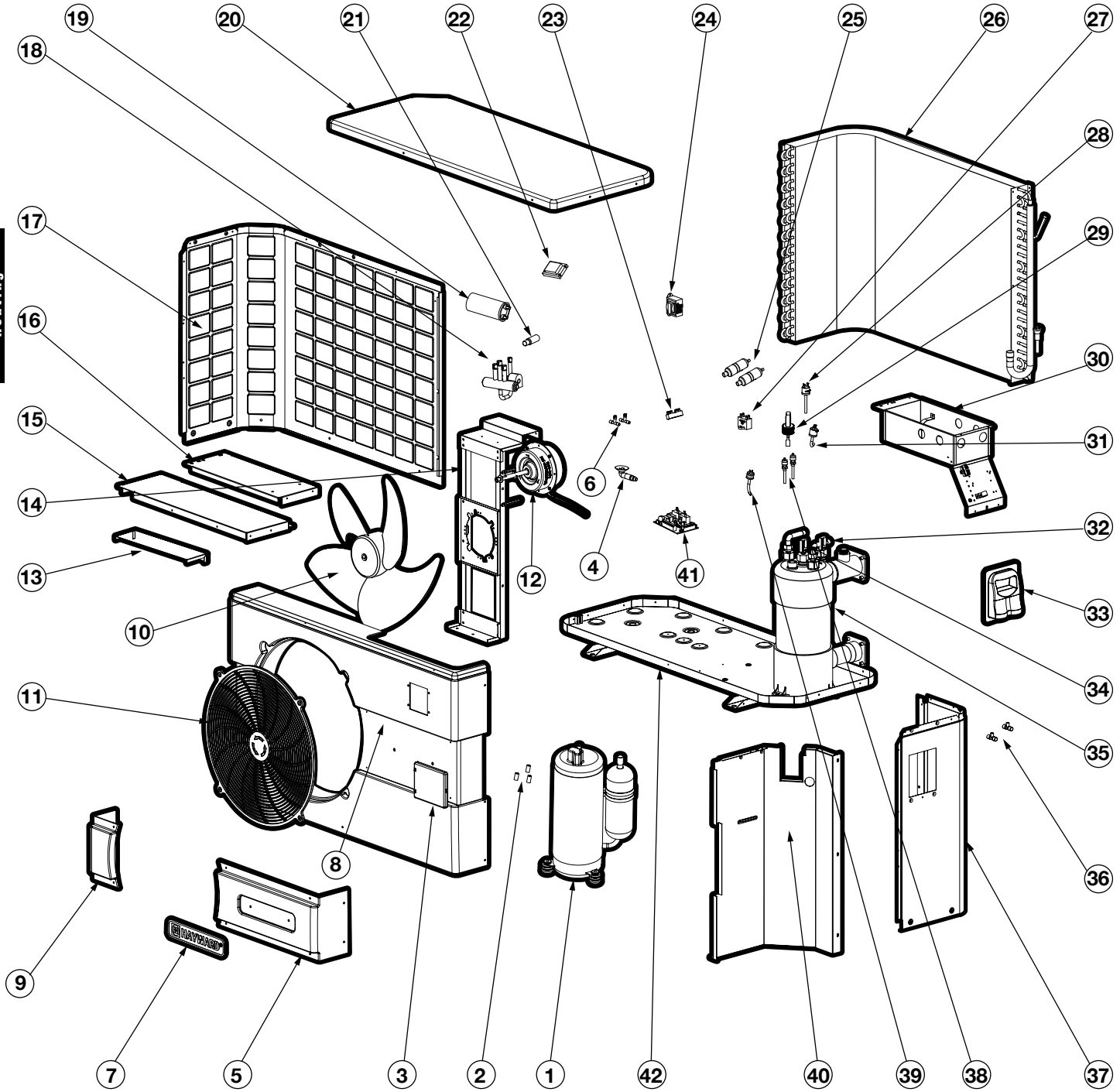
Parts Listing: HP50HA, HP50HA1

Ref. No.	Part No.	Description	List Price
1	HPX20000-110041	Compressor	**$2,125.40**
2	HPX3400-2203	Drainage Connector	**8.59**
3	HPX20000-230596	Hayward Logo	**57.27**
4	HPX32008-220051	Front Panel	**217.72**
5	HPX3500-2701	Axial Fan	**46.93**
6	HPX20000-330124	Fan Motor	**300.50**
7	HPX32012-210742	Motor Bracket	—
8	HPX32012-210736	Left Panel	**170.76**
9	HPX2001-1418	Reversing Valve	**127.67**
10	HPX2000-3505	Compressor Capacitor 50UF/450	**47.52**
11	HPX32008-220054	Top Cover	**118.76**
12	HPX2001-1499	Check Valve	**202.47**
13	HPX20000-390231	Terminal Block 5 Connnector	**42.20**
14	HPX2000-3909	Terminal Block with Connnector	**29.25**
15	HPX20000-370006	Transformer	**42.01**
16	HPX2004-1444	Filter	**24.30**
17	HPX32012-120165	Evaporator	**946.95**
18	HPX2000-3501	Fan Capacitor 3UF/450	**3.45**
19	HPX2000-3603	Low Pressure Switch	**39.27**
20	HPX20000-360005	Water Flow Switch	**Discont'd**
21	HPX2001-3605	High Pressure Switch	**39.27**
22	HPX32012-120036	Titanium Heat Exchanger	**2,007.63**
23	HPX2000-3242	Temperature Sensor	**9.92**
24	HPX32012-210735	Right Panel	**170.76**
25	HPX2000-3242	Temperature Sensor	**9.92**
26	HPX20000-360059	High Pressure Switch 2	**34.79**
27	HPXMCB50	Main Control Board	**163.89**

HP50HA2

HEAT PUMP REPLACEMENT PARTS

Parts Listing: HP50HA2



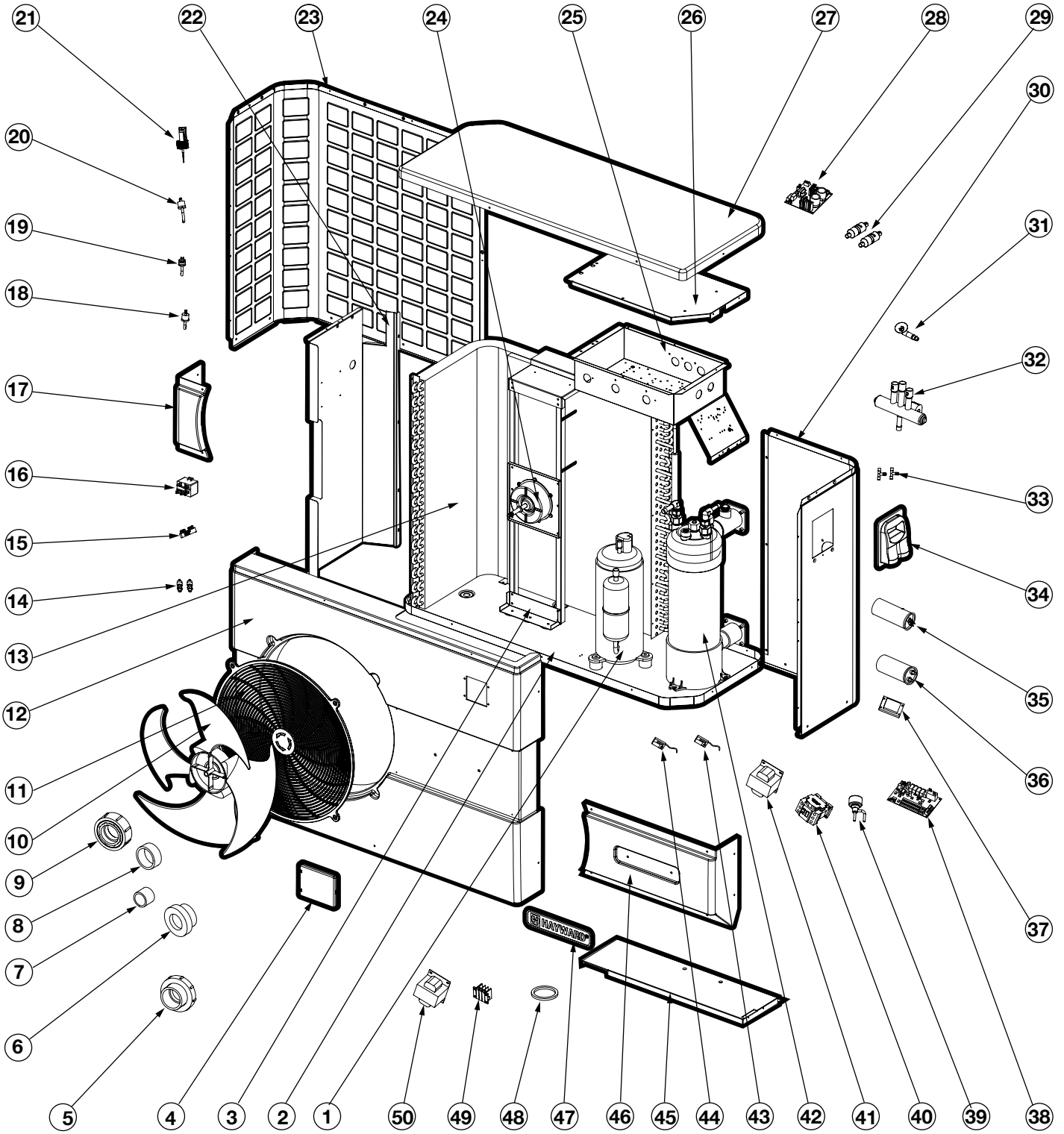
Parts Listing: HP50HA2

Ref. No.	Part No.	Description	List Price
1	HPX20000-110041	Compressor	**$2,252.93**
2	HPX2002-8881	Steel Sleeve	**4.63**
3	HPX72200268	LED207	**50.58**
4	HPX3400-2203	Drainage	**9.11**
5	HPX32008-220053	Front Frame Decoration 2	**64.39**
6	HPX2000-1460	Tee	**9.21**
7	HPX20000-230596	Mark (Hayward)	**60.72**
8	HPX80900662	Front Panel	**303.53**
9	HPX32008-220052	Front Frame Decoration 1	**41.42**
10	HPX80300003	Fan Blade	**68.99**
11	HPX20000-220188	Fan Retainer	**40.85**
12	HPX80200144	Fan Machinery	**248.35**
13	HPX32008-210069	Before the Fixed Plate	**13.81**
14	HPX32012-210742	Motor Bracket	**53.04**
15	HPX32012-210737	Mounting Plate	**50.58**
16	HPX32012-210740	Electric Box Cover Plate	**22.97**
17	HPX32012-210736	Back Stop	**181.00**
18	HPX2001-1418	Four-way Valve	**135.33**
19	HPX2000-3505	Compressor Capacitance	**50.38**
20	HPX32008-220054	Head Cover	**125.87**
21	HPX2002-1443	Variable Diameter	**9.21**
22	HPX20000-390231	Five-Connector	**44.74**
23	HPX2000-3909	Two-Connector	**31.00**
24	HPX20000-370006	Power Transformer	**44.52**
25	HPX2004-1446	Filter	**22.97**
26	HPX80600627	Fin Type Heat Exchanger	**1,250.94**
27	HPX2000-3501	Fan Capacitance	**3.64**
28	HPX2000-3603	Pressure Switch	**41.64**
29	HPX20000360005	Water Switch	**42.18**
30	HPX32012-210739	Electrical Box	**50.58**
31	HPX2001-3605	Pressure Switch	**41.64**
32	HPX2000-3242	Water Inlet Sensor	**10.51**
33	HPX32009-220029	Terminal Box	**13.81**
34	HPX2000-3242	Water Outlet Sensor	**10.51**
35	HPX80600622	Titanium Tubular Exchanger	**1,338.33**
36	HPX304030-00002	Tee	**4.63**
37	HPX32012-210735	Right-Side Plate	**181.00**
38	HPX20000-140150	Needle Valve	**13.81**
39	HPX20000-360059	Pressure Switch	**36.89**
40	HPX32012-210738	Median Septum	**87.39**
41	HPXMCB50HA2	PC1001	**175.83**
42	HPX32012-210741	Chassis	**391.51**

HP70HA2

HEAT PUMP REPLACEMENT PARTS

Parts Listing: HP70HA2



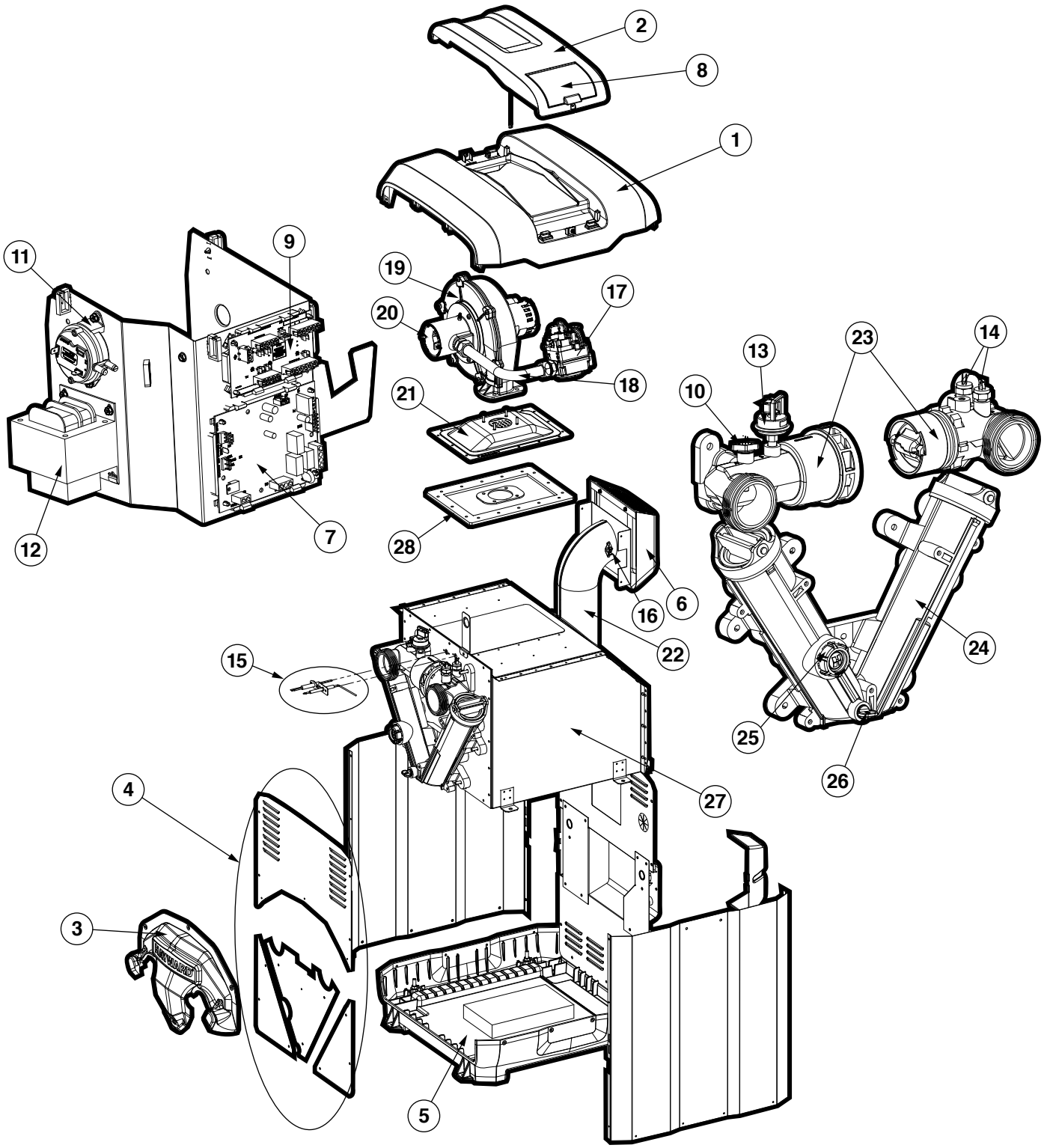
Parts Listing: HP50HA2

Ref. No.	Part No.	Description	List Price
1	HPX20000-110429	Compressor	**$2,396.11**
2	HPX80707301	Chassis	**266.74**
3	HPX80708111	Motor Bracket	**68.99**
4	HPX72200348	LED302	**119.57**
5	HPX81800023	Adapter	**22.97**
6	SPX3200UNADP	Butt Nipple with Gasket	**26.30**
7	HPX81800029	Pipe	**73.60**
8	SPX3200UNKIT	Union	**66.70**
9	HPX81800025	Fixed Bracket	**110.36**
10	HPX20000-270004	Fan	**98.44**
11	HPX20000-220169	Fan Guard	**105.41**
12	HPX80900640	Front Panel	**400.12**
13	HPX80600668	Evaporator Heat Exchanger	**1,986.80**
14	HPX20000-140150	Needle Val Ve	**13.81**
15	HPX2000-3909	Two-Connector	**31.00**
16	HPX20000-360035	Relay	**39.03**
17	HPX32017-220002	Front Frame Decoration 1	**87.39**
18	HPX2000-3603	Pressure Switch (0.30 MPa / 0.15 MPa)	**41.64**
19	HPX20000-360059	Pressure Switch (3.2 MPa / 4.0 MPa)	**36.89**
20	HPX2001-3605	Pressure S Witch (3.2 MPpa / 4.4 MPa)	**41.64**
21	HPX20000-360005	Water Flow Switch	**65.32**
22	HPX80706000	Median Sep Tum	**87.39**
23	HPX80708757	Rear Panel	**4.63**
24	HPX20000-330132	Fan Motor	**679.96**
25	HPX32009-210633	Electrical Box	**101.20**
26	HPX32009-210635	Control Top Cover	**46.02**
27	HPX32017-220004	Top Panel	**241.50**
28	HPX72200052	DC Speed Control Module	**183.96**
29	HPX2004-1444	Filter	**25.76**
30	HPX80708758	Right-Side Plate	**46.02**
31	HPX3400-2203	Drainage Adapter	**9.11**
32	HPX20011491	Four-Way Valve	**199.32**
33	HPX2000-1460	Tee	**9.21**
34	HPX32009-220029	Terminal Box	**13.81**
35	HPX2000-3524	Capacitance 1	**76.82**
36	HPX2000-3510	Capacitance 2	**151.78**
37	HPX20000-390237	Three-Connector	**52.52**
38	HPX72200101	PC1002	**363.31**
39	HPX20000-140442	Electronic Expansion Valve	**438.46**
40	HPX20000-360226	AC Contactor	**244.14**
41	HPX80600624	Tita Nium Tubular Exchanger	**1,977.62**
42	HPX20000-370030	Inverter Reactor	**386.31**
43	HPX2000-3242	Water Inlet Temperature Sensor	**10.51**
44	HPX2000-3242	Water Outlet Temperature Sensor	**10.51**
45	HPX32009-210219	Support Panel	**68.99**
46	HPX32017-220003	Front Frame Decoration 2	**64.39**
47	HPX20000-230596	Hayward Logo	**60.72**
48	SPX3200UG	Rubber Ring	**17.46**
49	HPX20000390223	Three-Connector	**15.36**
50	HPX20000-430215	Inductance	**31.99**

HC Series Small Footprint Heater

REPLACEMENT PARTS

Parts Diagram: HDF400



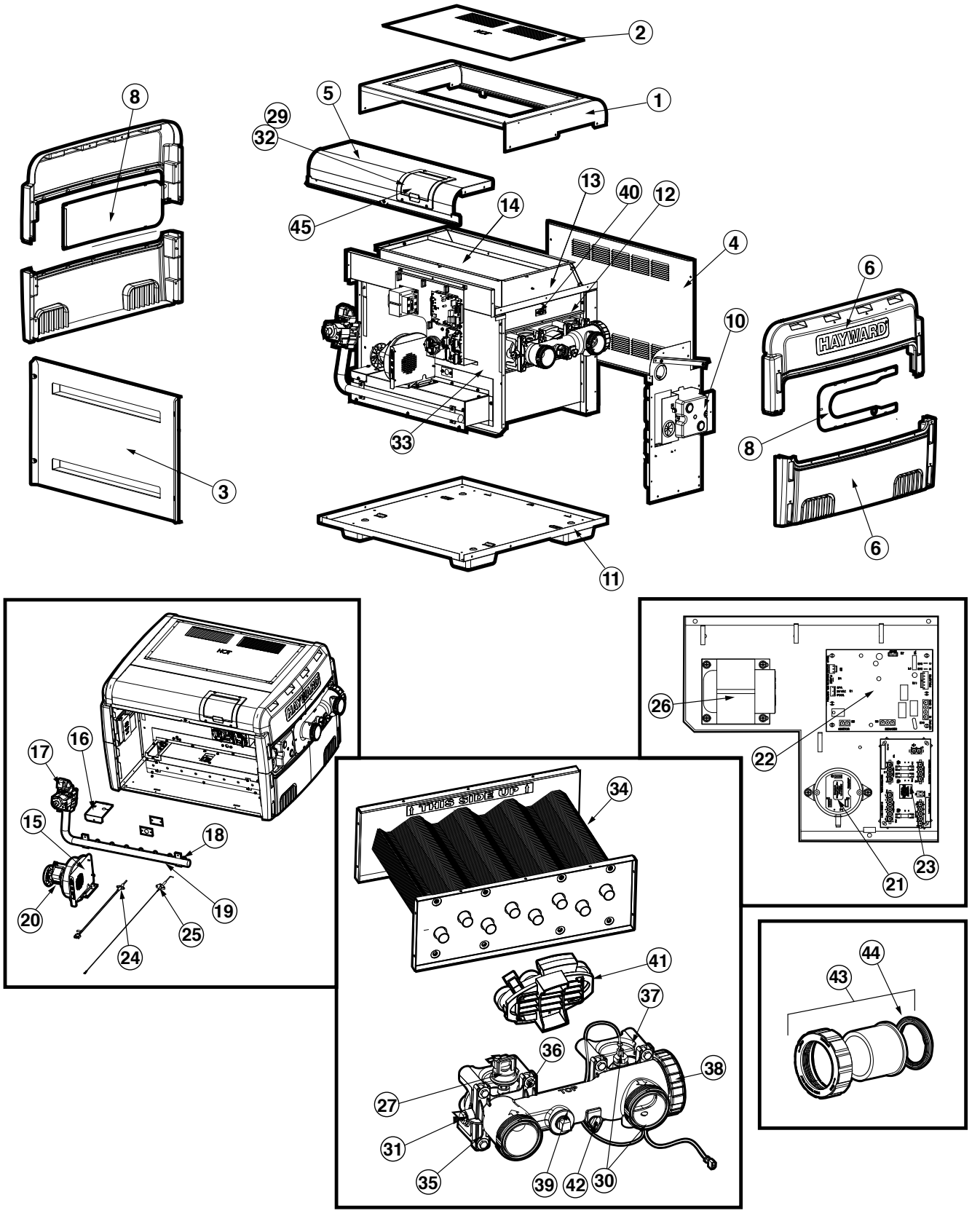
Parts Listing

Ref. No.	Part No.	Description	List Price
1	HDXFTOP001	Cabinet Top	**$120.63**
2	HDXFCAP001	Control Access Panel Assembly	**316.70**
3	HDXFHCC001	Header Controls Cover	**144.78**
4	HDXFWTP001	Water Side Trim Panels	**211.12**
5	HDXFBOT001	Cabinet Base	**165.88**
6	HDXFEXB001	Exhaust Box Assembly	**111.62**
7	HDXFICBRD001	Ignition Control Board	**241.31**
8	HDXFUIBRD001	Display Board And Ribbon Cable	**241.31**
9	FDXLFWP1930	Field Wiring Panel (Fuse Board)	**104.72**
10	FDXLTER1931	Thermistor	**59.34**
11	HDXFDPS400	Differential Pressure Switch	**39.20**
12	IDXL2TRF1930	Transformer	**183.32**
13	FDXLWPS1931	Water Pressure Switch	**51.46**
14	HDXFHLI001	HDF High Limit Kit	**60.33**
15	HDXFIGFS001	Ignitor and Flame Sensor	**129.69**
16	FDXLEGL1930	Exhaust Gas Temp. Limit	**33.07**
17	HDXFGSV001	Gas Valve	**422.26**
18	HDXFMAN001	Gas Manifold	**111.62**
19	HDXFBWR001	Combustion Blower	**633.40**
20	HDXFMXN400	Natural Gas Fuel/Air Mixer	**39.20**
	HDXFMXP400	Propane Fuel/Air Mixer	**39.20**
21	HDXFBRN400	Burner	**437.33**
22	HDXFEXP001	Exhaust Pipe Assembly	**211.12**
23	HDXFIOH001	HDF Inlet/Outlet Header Kit	**346.84**
24	HDXFVHD001	V-Header Assembly	**527.82**
25	CHXPLG1930	Pressure Relief Port Plug	**29.15**
26	SPX4000FG	Drain Plug With O-Ring	**6.11**
27	HDXFHXA400	HDF Combustion Chamber Replacement Kit	**3,166.96**
28	HDXFBSGK400	Gasket Kit, Blower/Burner	**60.33**
Kits Not Shown in Diagram			
—	HDXFHDW001	HDF Header Hardware Kit	**$21.13**
—	SPX3200UNKIT	Union Flange Kit	**66.70**
—	FDXLFSK1930	Fuse Service Kit	**46.96**
—	HDXFWHA001	Wiring Harness Kit, Complete	**135.72**
—	HDXFTUB001	Silicone Tubing Kit	**12.07**
—	HDXFEAK001	Electrical Accessory Kit	**51.29**

Universal H-Series Low NOx

REPLACEMENT PARTS

Parts Diagram: H150FD, H200FD, H250FD, H300FD, H350FD, H400FD, H500FD



Parts Listing: H150FD, H200FD, H250FD, H300FD, H350FD, H400FD, H500FD

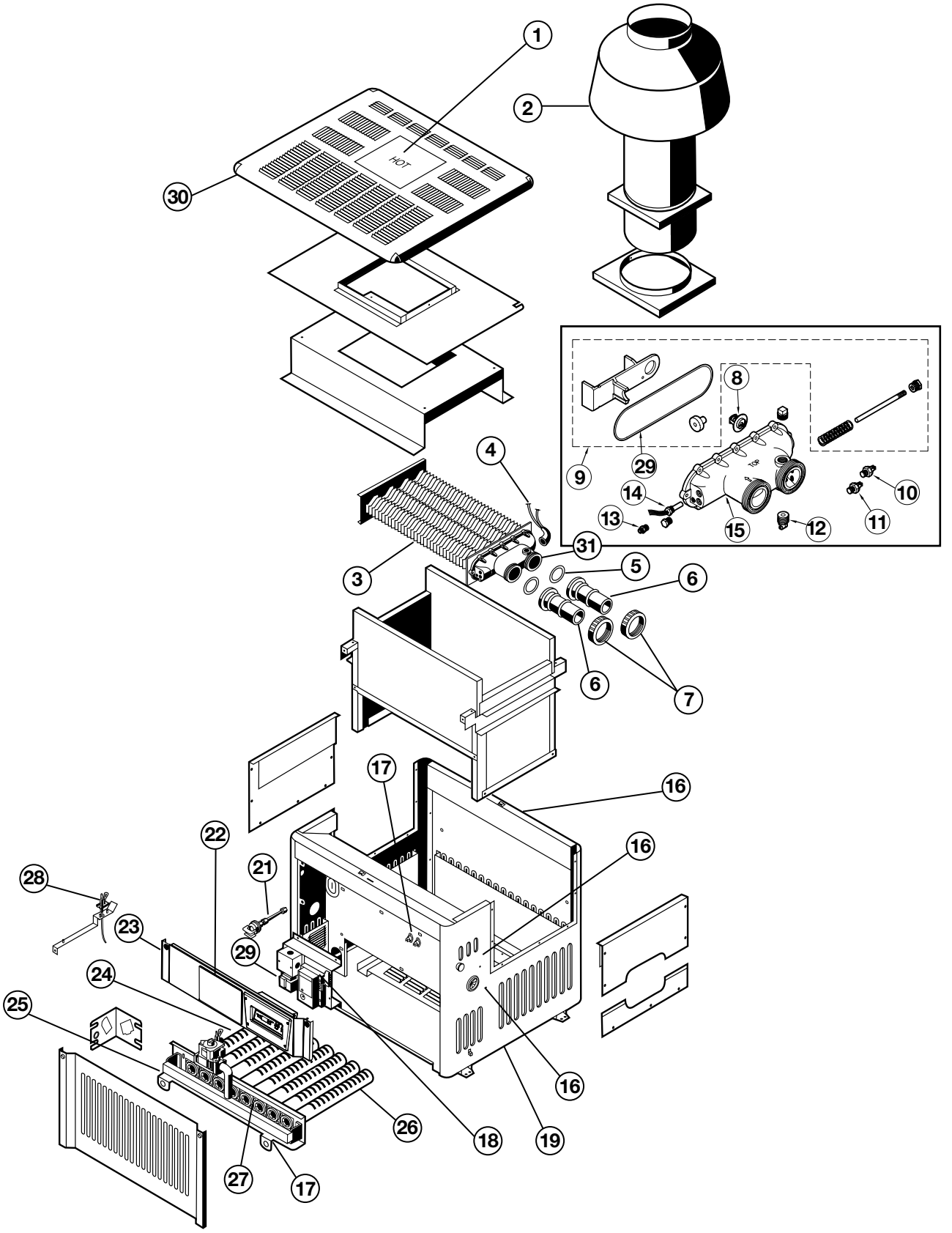
Ref. No.	Part No.	Description
1	FDXLJKT1151	Jacket Top and Flue Cover – H150FD
1	FDXLJKT1201	Jacket Top and Flue Cover – H200FD
1	FDXLJKT1251	Jacket Top and Flue Cover – H250FD1
1	FDXLJKT1251A	Jacket Top, Gray, ASME – H250FD
1	FDXLJKT1301	Jacket Top and Flue Cover – H300FD
1	FDXLJKT1351	Jacket Top and Flue Cover – H350FD
1	FDXLJKT1401	Jacket Top and Flue Cover – H400FD
1	FDXLJKT1401A	Jacket Top, Gray, ASME – H400FD
1	FDXLJKT1501	Jacket Top and Flue Cover – H500FD
1	FDXLJKT1501A	Jacket Top, Gray, ASME – H500FD
2	FDXLTFC1150	Top/Flue Cover – H150FD
2	FDXLTFC1200	Top/Flue Cover – H200FD
2	FDXLTFC1250	Top/Flue Cover – H250FD
2	FDXLTFC1250A	Top Flue Cover, Gray, ASME – H250FD
2	FDXLTFC1300	Top/Flue Cover – H300FD
2	FDXLTFC1350	Top/Flue Cover – H350FD
2	FDXLTFC1400	Top/Flue Cover – H400FD
2	FDXLTFC1400A	Top Flue Cover, Gray, ASME – H400FD
2	FDXLTFC1500	Top/Flue Cover – H500FD
2	FDXLTFC1500A	Top/Flue Cover, Gray, ASME – H500FD
3	FDXLFAD1400A‡	Front Door Assembly, Gray, ASME – H400FD
3	FDXLFAD1151‡	Front Access Door Assembly – H150FD
3	FDXLFAD1201‡	Front Access Door Assembly – H200FD
3	FDXLFAD1251‡	Front Access Door Assembly – H250FD
3	FDXLFAD1251A‡	Front; Door Assembly, Gray, ASME – H250FD
3	FDXLFAD1301‡	Front Access Door Assembly – H300FD
3	FDXLFAD1351‡	Front Access Door Assembly – H350FD
3	FDXLFAD1401‡	Front Access Door Assembly – H400FD
3	FDXLFAD1401A‡	Front Door Assembly, Gray, ASME – H400FD
3	FDXLFAD1500	Front Access Door Assembly – H500FD
3	FDXLFAD1500A	Front Door Assembly, Gray, ASME – H500FD
4	FDXLRAD1150	Rear Access Door Assembly – H150FD
4	FDXLRAD1200	Rear Access Door Assembly – H200FD
4	FDXLRAD1250	Rear Access Door Assembly – H250FD
4	FDXLRAD1300	Rear Access Door Assembly – H300FD
4	FDXLRAD1350	Rear Access Door Assembly – H350FD
4	FDXLRAD1400	Rear Access Door Assembly – H400FD
4	FDXLRAD1500	Rear Access Door Assembly – H500FD
5	FDXLTFP1151†	Top and Front Panel – H150FD
5	FDXLTFP1201†	Top and Front Panel – H200FD
5	FDXLTFP1251†	Top and Front Panel – H250FD
5	FDXLTFP1301†	Top and Front Panel – H300FD
5	FDXLTFP1351†	Top and Front Panel – H350FD
5	FDXLTFP1500	Top and Front Panel – H500FD
5	FDXLTFP1500A	Top Front Panel, Gray, ASME – H500FD
6	FDXLBEC1930	End Cap Kit
6	FDXLUEC1930	Upper End Cap – FD
8	FDXLBTP1930	Trim Panel Kit
8	FDXLLTP1930	Left Trim Panel Kit
10	FDXLPLC1930**	Polymer Junction Box Cover, Left and Right
11	FDXLPBL1930	Base Leg – FD (4)
12	FDXLFCS1931	Flue Collector Side Panel with High Limit
13	FDXLRGK1151	Rain Guard Assembly – H150FD
13	FDXLRGK1201	Rain Guard Assembly – H200FD
13	FDXLRGK1251	Rain Guard Assembly – H250FD
13	FDXLRGK1301	Rain Guard Assembly – H300FD
13	FDXLRGK1351	Rain Guard Assembly – H350FD
13	FDXLRGK1401	Rain Guard Assembly – H400FD
13	FDXLRGK1500	Rain Guard Assembly – H500FD
14	FDXLHBP1150	Heat Barrier Panel – H150FD
14	FDXLHBP1200	Heat Barrier Panel – H200FD
14	FDXLHBP1250	Heat Barrier Panel – H250FD
14	UHXWJAK	Adapter Kit – Jandy Adapter (Qty. 1)
14	UHXWPAK	Adapter Kit – Pentair Adapter (Qty. 1)
14	FDXLHBP1300	Heat Barrier Panel – H300FD
14	FDXLHBP1350	Heat Barrier Panel – H350FD
14	FDXLHBP1400	Heat Barrier Panel – H400FD
14	FDXLHBP1500	Heat Barrier Panel – H500FD
15	FDXLBBN1150	Blower Inlet Baffle – H150FD
15	FDXLBBN1200	Blower Inlet Baffle – H200FD
15	FDXLBBN1250	Blower Inlet Baffle – H250FD
15	FDXLBBN1300	Blower Inlet Baffle – H300FD
15	FDXLBBN1350	Blower Inlet Baffle – H350FD
15	FDXLBBN1400	Blower Inlet Baffle – H400FD
15	FDXLBBN1500	Blower Inlet Baffle – H500FD
16	FDXLIAC1930	Ignitor Access Cover
17	FDXLGSV0001	Gas Valve Natural Gas – FD
17	FDXLGSV0002	Gas Valve Propane Gas – FD
17	FDXLGSV1500N	Gas Valve Natural Gas – H500FD Only
17	FDXLGSV1500P	Gas Valve Propane Only – H500FD Only
18	FDXLBON1930	Burner Orifice Kit Natural Gas – FD
18	FDXLBOP1930	Burner Orifice Kit Propane Gas – FD
18	FDXLBON1500	Burner Orifice Kit Natural Gas – H500FD Only
18	FDXLBOP1500	Burner Orifice Kit Propane Gas – H500FD Only
19	FDXLGCK1150NP	Conversion Kit, NA to LP, H150FD
19	FDXLGCK1150PN	Conversion Kit, LP to NA, H150FD
19	FDXLGCK1200NP	Conversion Kit, NA to LP, H200FD
19	FDXLGCK1200PN	Conversion Kit, LP to NA, H200FD
19	FDXLGCK1250NP	Conversion Kit, NA to LP, H250FD
19	FDXLGCK1250PN	Conversion Kit, LP to NA, H250FD
19	FDXLGCK1300NP	Conversion Kit, NA to LP, H300FD
19	FDXLGCK1300PN	Conversion Kit, LP to NA, H300FD
19	FDXLGCK1350NP	Conversion Kit, NA to LP, H350FD
19	FDXLGCK1350PN	Conversion Kit, LP to NA, H350FD
19	FDXLGCK1400NP	Conversion Kit, NA to LP, H400FD
19	FDXLGCK1400PN	Conversion Kit, LP to NA, H400FD
19	FDXLGCK1500NP	Conversion Kit, NA to LP, H500FD
19	FDXLGCK1500PN	Conversion Kit, LP to NA, H500FD
20	FDXLBWR1930	Combustion Blower – FD
20	FDXLBWR1500	Combustion Blower – H500FD Only
21	FDXLBVS1930	Blower Vacuum Switch
22	FDXLICB1930	Integrated Control Board – FD
23	FDXLFWP1930	Field Wiring Panel – FD
24	FDXLIGN1930	Ignitor – FD
25	IDXLFLS1930	Flame Sensor
26	IDXL2TRF1930	Transformer
27	FDXLWPS1930	Water Pressure Switch
29	FDXLBKP1930	Bezel and Keypad Assembly, Taupe
29	FDXLBKP1932	Bezel and Keypad Assembly, Blue (with Door)
30	FDXLHLI1930	High Limit Kit
31	FDXLTER1930	Thermistor
32	FDXLGSK1932	Gasket, Bezel/Top – FD
33	FDXLGSK1934	Gasket, CC Front/Air Box – FD All Models
34	FDXLHXA1150	Heat Exchanger Assembly – H150FD
34	FDXLHXA1200	Heat Exchanger Assembly – H200FD
34	FDXLHXA1250	Heat Exchanger Assembly – H250FD
34	FDXLHXA1250A	Heat Exchanger Assembly, ASME – H250FD
34	FDXLHXA1300	Heat Exchanger Assembly – H300FD
34	FDXLHXA1350	Heat Exchanger Assembly – H350FD
34	FDXLHXA1400	Heat Exchanger Assembly – H400FD
34	FDXLHXA1400A	Heat Exchanger Assembly, ASME – H400FD
34	FDXLHXA1500	Heat Exchanger Assembly – H500FD
34	FDXLHXA1500A	Heat Exchanger Assembly, ASME – H500FD
35	FDXLFHA1930	Header Assembly
36	FDXLHDW1930	Header Hardware Kit
37	FDXLHMB1930	Header Mounting Base Kit
38	FDXLBPK1930	Bypass Cartridge Kit
39	CHXPLG1930	3/4" NPT Brass Plug and Plastic Plug
40	FDXLEGL1930	Exhaust Gas Temp Limit
41	FDXLPRM1930	Return Manifold Replacement Kit
42	SPX4000FG	Drain Plug with Gasket
43	SPX3200UNKIT	Union Kit
44	SPX3200UG	Union Gasket *(Pack of 2)*
45	FDXLKPC1930	Kit Keypad Cover
—	FDXLBCP1150	Kit-Bezel Control Panel 150 (old to new)
—	FDXLBCP1200	Kit-Bezel Control Panel 200 (old to new)
—	FDXLBCP1250	Kit-Bezel Control Panel 250 (old to new)
—	FDXLBCP1300	Kit-Bezel Control Panel 300 (old to new)
—	FDXLBCP1350	Kit-Bezel Control Panel 350 (old to new)
—	FDXLBCP1400	Kit-Bezel Control Panel 400 (old to new)
—	FDXLBCP1500	Kit-Bezel Control Panel 500 (old to new)
		NOT SHOWN:
—	FDXLBRN1931	Burner (Qty. 1)
—	FDXLBRN1930	Burner (Qty. 8)
—	FDXLDRV1930A	Drain Valve, ASME
—	FDXLFSK1930	Fuse Service Kit – FD
—	FDXLFSKC30	Fuse Kit, 3.0A, for Integrated Control Board (Qty. 10)
—	FDXLFSKF15	Fuse Kit, 1.5A, for Field Wiring Panel (Qty. 10)
—	FDXLFSKF25	Fuse Kit, 2.5A, for Field Wiring Panel (Qty. 10)
—	FDXLFSKF30	Fuse Kit, 3.0A, for Field Wiring Panel (Qty. 10)
—	FDXLGSK1930	Gasket Kit – Air Side *(all models)*
		includes:
		Gasket, Blower Mounting
		Gasket, Ignitor Cover
		Gasket, Cover/Air Box Front
		Gasket, Manifold/Air Box
—	FDXLGSK1931	Gasket Kit – Exhaust Side *(all models)*
		includes:
		Gasket, Flue Collector Side
		Gasket, Rain Guard Side
		Gasket, Rain Guard Bottom Side
		Gasket, Flue Collector Top
		Gasket, Rain Guard Front and Rear
		Gasket, Rain Guard Bottom Front and Rear
—	FDXLGSK1933	Insulation, Return Side Tube Sheet – FD
—	FDXLHAK1930	Conversion Kit, H150FD-H400FD High-Altitude, 2,000-10,100 ft.
—	FDXLTDK1930	Tie-Down Kit – FD
—	FDXLUNK1930A	ASME Union Flange Kit (includes Flange Fittings, Bolts, Gaskets)
—	FDXLVPS1930	Vent Pressure Switch, Indoor, 0–2,000 ft
—	FDXLVPS1931	Vent Pressure Switch, Indoor, 2,000–10,100 ft
—	FDXLVSJ1930	Voltage Selector Jumpers
—	FDXLWHA0001	Wiring Harness Kit Complete – FD
—	FDXLWHA1930*	Wiring Harness Kit Complete – FD
—	IDXLTMB1931	Terminal Block – Remote Connection
—	UHXTFP1930	Water Flow Switch and Temp/ Press Gauge Kit
—	UHXFSW1930	Water Flow Switch Kit
—	CHXRLV1930	Pressure Relief Valve
—	UHXLOK1930	Control Bezel Lock-Out Kit (old)
—	UHXL0K1931	Control Bezel Lock-Out Kit (New)
—	UHXNEGVT11506	Indoor Vent Adapter Kit, H150FD, Negative-Pressure (Vertical)
—	UHXNEGVT12006	Indoor Vent Adapter Kit, H200FD, Negative-Pressure (Vertical)
—	UHXNEGVT12506	Indoor Vent Adapter Kit, H250FD, Negative-Pressure (Vertical)
—	UHXNEGVT13008	Indoor Vent Adapter Kit, H300FD, Negative-Pressure (Vertical)
—	UHXNEGVT13508	Indoor Vent Adapter Kit, H350FD, Negative-Pressure (Vertical)
—	UHXNEGVT14008	Indoor Vent Adapter Kit, H400FD, Negative-Pressure (Vertical)
—	UHXNEGVT15008	Indoor Vent Adapter Kit, H500FD, Negative-Pressure (Vertical)
—	UHXPOSHZ15006	Indoor Vent Adapter Kit, H500FD, Positive-Pressure (Horizontal)
—	UHXPOSHZ11506	Indoor Vent Adapter Kit, H150FD, Positive-Pressure (Horizontal)
—	UHXPOSHZ12006	Indoor Vent Adapter Kit, H200FD, Positive-Pressure (Horizontal)
—	UHXPOSHZ12506	Indoor Vent Adapter Kit, H250FD, Positive-Pressure (Horizontal)
—	UHSPOSHZ12504	Indoor Vent Adapter Kit, H250FD 4"
—	UHXPOSHZ13008	Indoor Vent Adapter Kit, H300FD, Positive-Pressure (Horizontal)
—	UHXPOSHZ13508	Indoor Vent Adapter Kit, H350FD, Positive-Pressure (Horizontal)
—	UHXPOSHZ14008	Indoor Vent Adapter Kit, H400FD, Positive-Pressure (Horizontal)
—	UHSPOSHZ14008	Indoor Vent Adapter Kit, H400FD 6"

NOTES: *Used only on Heaters made after 9/9/08, serial #21130809100177001.
**Used only on models after 10/14, serial #21131410102839001.
‡Used only on heaters made after 7/13, serial #21131307100333001.
†Used only on heaters made 11/20/14, serial #21131411103613001.
†Used only on heaters made after 11/20/14, serial #21131411103613001.

H-Series – Electronic (ED2 Style)

HEATER REPLACEMENT PARTS

Parts Diagram



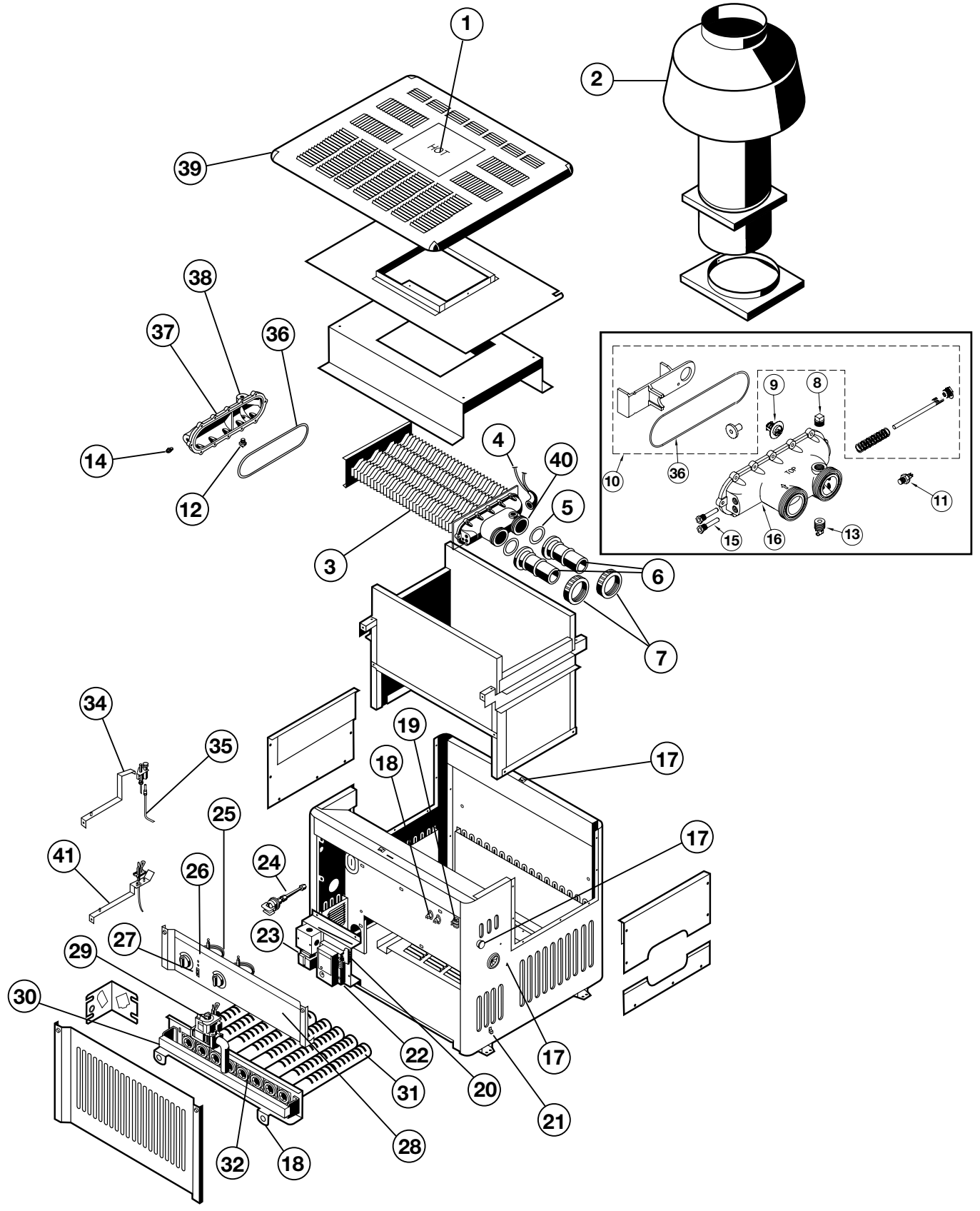
Parts Listing

Ref. No.	Part Number	Description
1	HAXDHO1930	DHO Insert
2	DHI150	Indoor Drafthood – 150
2	DHI200	Indoor Drafthood – 200
2	DHI250	Indoor Drafthood – 250
2	HWS150	High Wind Stack – 150
2	HWS200	High Wind Stack – 200
2	HWS250	High Wind Stack – 250
3	HAXHXA1153	Heat Exchanger Assembly – 150
3	HAXHXA1203	Heat Exchanger Assembly – 200
3	HAXHXA1253	Heat Exchanger Assembly – 250
3	HAXHXA1303	Heat Exchanger Assembly – 300
3	HAXHXA1353	Heat Exchanger Assembly – 350
3	HAXHXA1403	Heat Exchanger Assembly – 400
4	HAXWHA0007	Rear Wire Harness, DS
5	HAXFOR1930	O-Rings
6	HAXNIP1930	Flange Pipe Nipples
7	HAXNUT1930	Union Nuts
8	HAXFCT1930	Flow Control Thermostat
9	HAXBPK1932	By-Pass Valve Kit
10	HAXHLI1930	Hi-Limit 135°F
11	HMXHLI2932	Hi-Limit 160°F
12	HAXDRV1930	Drain Valve Assembly
13	HAXPSA1930	Pressure Switch Adapter
14	IDXLTER1930	Thermistor
15	HAXFHD1931	Front Header Only
16	HAXPHK1930	Plastic Hardware Kit
17	HAXTLK1930	Temperature Limiters Kit
18	IDXLTMB1931	6-Pole Terminal Block
19	CHXGRL1930	TA-2 Ground Lug
20	CHXTRF1930	Transformer
21	HAXPSA1930	Pressure Switch Assembly
22	HAXCPA1932	Control Bezel Assembly
23	HAXCPA3153	Control Panel Assembly – 150 DS
23	HAXCPA3203	Control Panel Assembly – 200 DS
23	HAXCPA3253	Control Panel Assembly – 250 DS
23	HAXCPA3303	Control Panel Assembly – 300 DS
23	HAXCPA3353	Control Panel Assembly – 350 DS
23	HAXCPA3403	Control Panel Assembly – 400 DS
24	HAXGSV0004	Gas Valve, DS Propane
24	HAXGSV0005	Gas Valve, DS Natural Gas
25	HAXMAN1200	Gas Manifold – 200
25	HAXMAN1250	Gas Manifold – 250
25	HAXMAN1400	Gas Manifold – 400
26	HAXBRN1930	Burner Tube
27	HAXBON1930	Burner Orifice, Natural Gas
27	HAXBON1931	Burner Orifice, Natural Gas HA
27	HAXBOP1931	Burner Orifice, Propane HA
27	HAXBOP1932	Burner Orifice, Propane
28	HAXIGN1931	Ignitor Assembly
29	HAXHOR1930	Header O-Ring
30	HAXCIA1930	Corner Piece Kit (4)
31	IDXLFHA1930	Front Header Assembly
—	HAXWHA0008	Main Wire Harness (not shown)
—	HAXWFN1930	Header Mounting Nut Kit *(Pack of 12)*

H-Series – Millivolt/Electronic (ED1 Style)

HEATER REPLACEMENT PARTS

Parts Diagram



Parts Listing

Ref. No.	Part Number	Description
1	HAXDHO1930	DHO Insert
2	DHI150	Indoor Drafthood – 150
2	DHI200	Indoor Drafthood – 200
2	DHI250	Indoor Drafthood – 250
2	HWS150	High Wind Stack – 150
2	HWS200	High Wind Stack – 200
2	HWS250	High Wind Stack – 250
3	HAXHXA1153	Heat Exchanger Assembly – 150
3	HAXHXA1203	Heat Exchanger Assembly – 200
3	HAXHXA1210	Heat Exchanger Assembly – 210
3	HAXHXA1253	Heat Exchanger Assembly – 250
3	HAXHXA1303	Heat Exchanger Assembly – 300
3	HAXHXA1353	Heat Exchanger Assembly – 350
3	HAXHXA1403	Heat Exchanger Assembly – 400
	HAXWHA0006*	Rear Wire Harness, MV
4	HAXWHA0003	Rear Wire Harness, DS
	HAXWHA0007*	Rear Wire Harness, DS
5	HAXFOR1930	O-Rings
6	HAXNIP1930	Flange Pipe Nipples
7	HAXNUT1930	Union Nuts
8	CHXPLG1930	3/4" NPT Brass Plug
9	HAXFCT1930	Flow Control Thermostat
10	HAXBPK1931**	By-Pass Valve Kit
	HAXBPK1932*	By-Pass Valve Kit
11	HAXHLI1930	Hi-Limit 135° F
12	HMXHLI2932	Hi-Limit 160° F
13	HAXDRV1930	Drain Valve Assembly
14	CHXPSA1930	Pressure Switch Adapter
15	CHXTBW1930	Bulb Well
	HAXTBW1930†	Bulb Well, Cotherm
16	HAXFHD1930	Front Header Only
	HAXFHD1931*	Front Header Only
17	HAXPHK1930	Plastic Hardware Kit
18	HAXTLK1930	Temperature Limiters Kit
19	HAXTBK1931	2-Pole Terminal Block
20	HAXTBK1933	4-Pole Terminal Block
21	CHXGRL1930	TA-2 Ground Lug
22	HAXMOD1930	Control Module
23	CHXTRF1930	Transformer
24	HAXPSA1930	Pressure Switch Assembly
25	HAXTST1930	Thermostat
26	HAXLDK1930	LED Kit
27	CHXTSW1930	System Switch Single
27	CHXTSW1931	System Switch Dual
28	HAXCPA2401***	Control Panel Assembly – 400 DS
29	HAXGSV0001	Gas Valve, MV Natural Gas
29	HAXGSV0003	Gas Valve, MV Propane
29	HAXGSV0004	Gas Valve, DS Propane
29	HAXGSV0005	Gas Valve, DS Natural Gas
30	HAXMAN1250	Gas Manifold – 250
30	HAXMAN1400	Gas Manifold – 400
31	HAXBRN1930	Burner Tube
32	HAXBON1930	Burner Orifice, Natural Gas
32	HAXBON1931	Burner Orifice, Natural Gas HA
32	HAXBON210	Burner Orifice, Natural, H210 Only
32	HAXBOP1930	Burner Orifice, Propane
32	HAXBOP1931	Burner Orifice, Propane HA
32	HAXBOP210	Burner Orifice, Propane, H210 Only
33	HAXIGN1931	Ignitor Assembly
34	HAXPLT1931	Pilot – Natural Gas
34	HAXPLT1932	Pilot – Propane
35	HAXTRK1930	Pilot Tube Replacement Kit
36	HAXHOR1930	Header O-Ring
37	HAXRHD1930**	Rear Header Only
38	HAXPLG1930	1/4" NPT Brass Plug
39	HAXCIA1930	Corner Piece Kit (4)
40	HAXFHA1930**	Front Header Assembly
	HAXFHA1931	Front Header Assembly
—	HAXWHA0005	Wire Harness, Main DS (not shown)
—	HAXWHA0004	Wire Harness, Control Panel (not shown)
—	FDXLGND1930	Heat Exchanger Bonding Kit
—	HAXWHA0001	Wire Harness, Main MV (not shown)
—	HAXRFK1930	Retro Fit Kit (not shown)
—	HAXWFN1930	Header Mounting Nut Kit *(Pack of 12)*
—	CHXMSI1930	Manual Piezo Spark Ignitier
—	CHXGEN1930	Millivolt Pilot Generator

NOTES: *Used on heaters made after 10/28/00

**Used on heaters made before 10/28/00

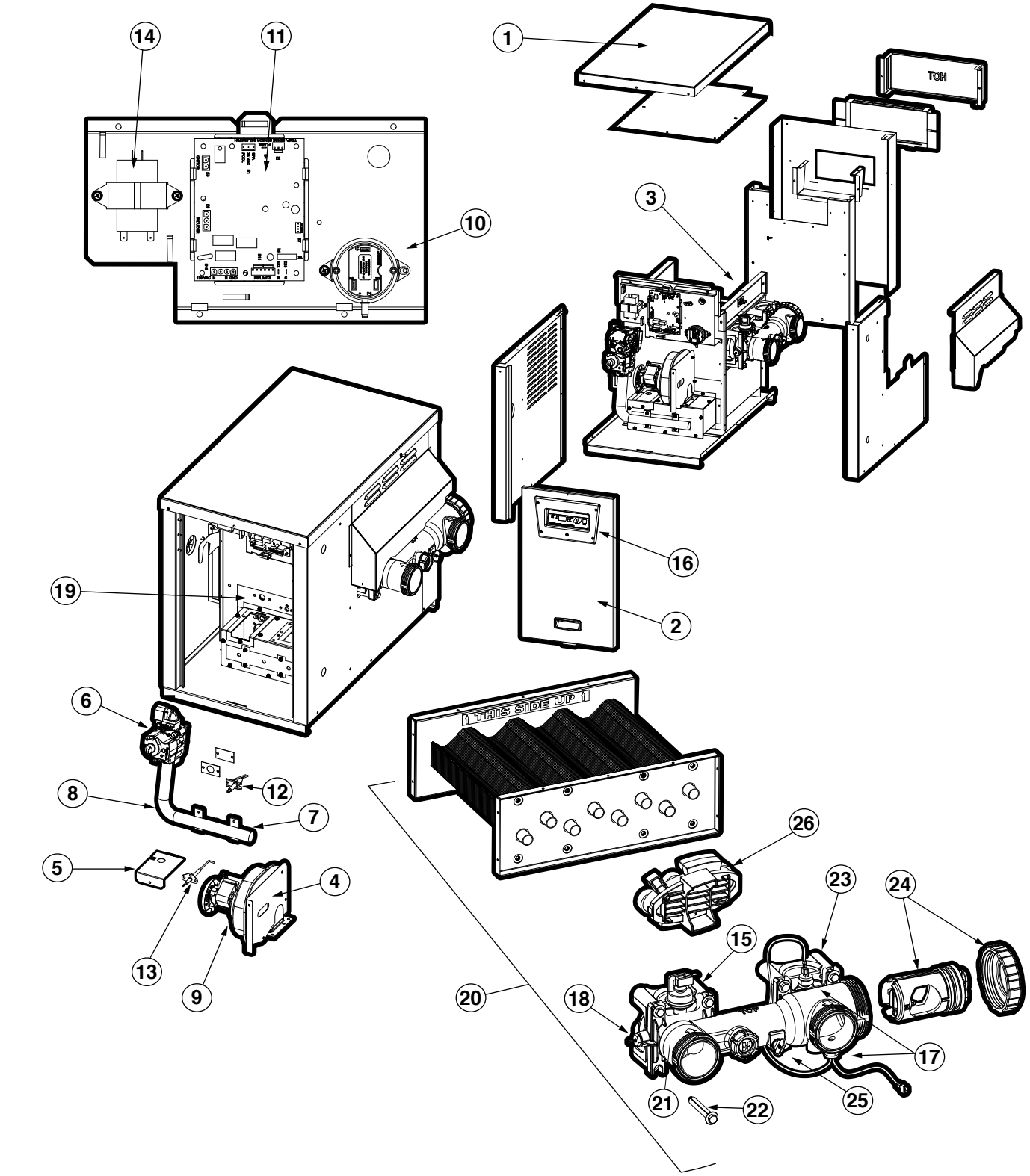
*** Used on heaters made after 5/8/98

†Used on heaters made after 6/1/01

H-Series

ABOVE-GROUND – 135K BTU HEATER REPLACEMENT PARTS

Parts Diagram



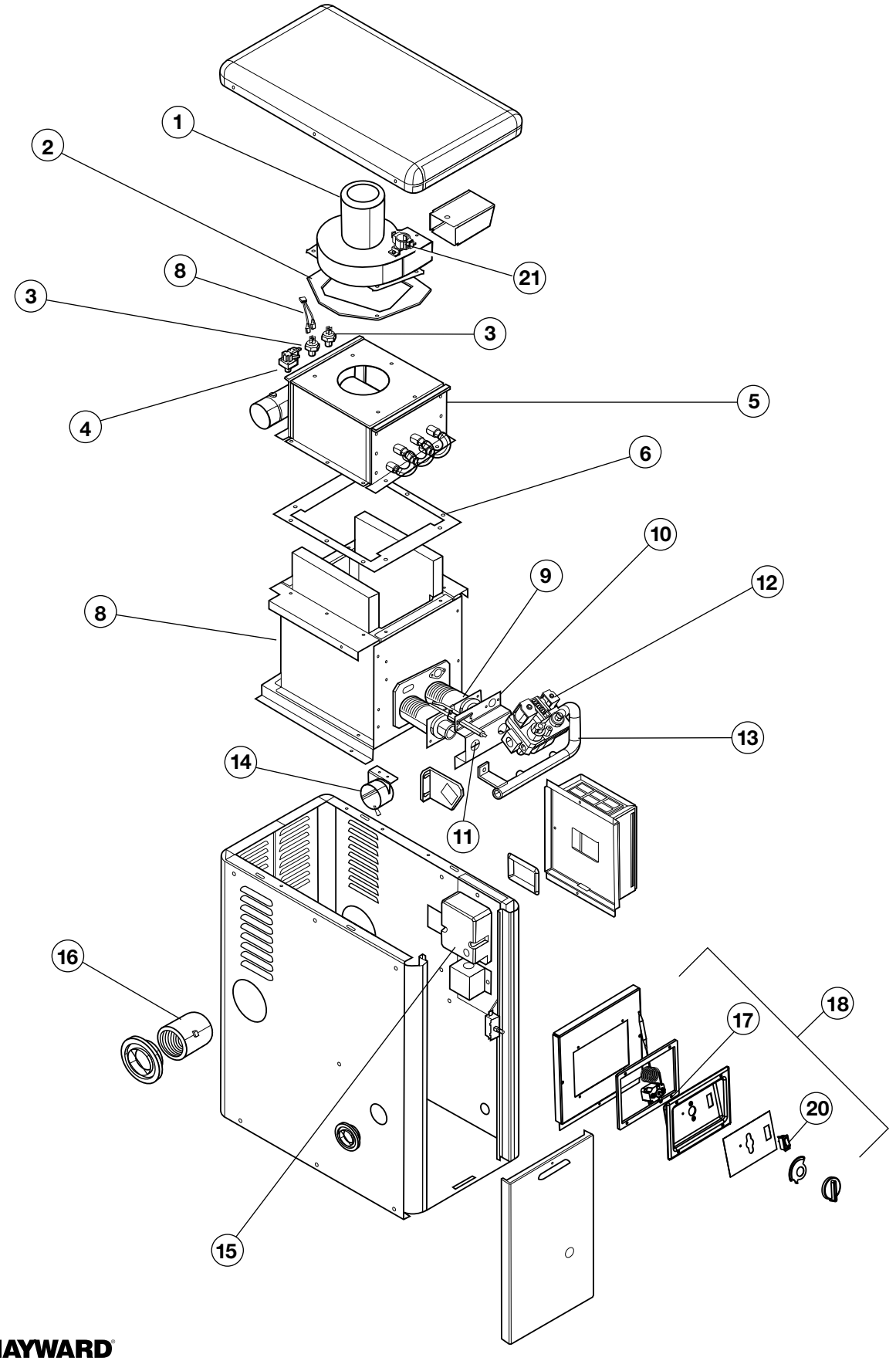
Parts Listing

Ref. No.	Part No.	Description	List Price
1	IDXLJKT1135	Jacket Top – H135ID/ABG135	**$121.37**
2	IDXLFAD1135P	Front Access Door Assembly – H135ID, Platinum – No Controls	**Discont'd**
	IDXLFAD1135B	Front Access Door Assembly – ABG135, Black – No Controls	**Discont'd**
3	FDXLFCS1931	Flue Collector Side Panel without Temperature Limit	**64.02**
4	IDXLBBN1135	Blower Inlet Baffle – 135K BTU Heater	**Discont'd**
5	FDXLIAC1930	Igniter Access Cover	**44.20**
6	FDXLGSV0001	Gas Valve, Natural	**365.95**
	FDXLGSV0002	Gas Valve, Propane	**365.95**
7	IDXLBON1135	Burner Orifice Kit, Natural – 135K BTU Heater	**Discont'd**
	IDXLBOP1135	Burner Orifice Kit, Propane – 135K BTU Heater	**Discont'd**
8	FDXLGCK1135NP	Conversion Kit, NA to LP, Quick-Change – 135K BTU Heater	**251.99**
	FDXLGCK1135PN	Conversion Kit, LP to NA, Quick-Change – 135K BTU Heater	**251.99**
9	FDXLBWR1930	Combustion Blower	**347.13**
10	FDXLBVS1930	Blower Vacuum Switch	**49.57**
11	FDXLICB1930	Integrated Control Board	**486.65**
12	FDXLIGN1930	Ignitor	**123.61**
13	IDXLFLS1930	Flame Sensor	**94.38**
14	IDXLTRF1135	Transformer – 135K BTU Heater	**40.95**
15	FDXLWPS1930	Water Pressure Switch	**51.46**
16	IDXLBKP1135	Bezel and Keypad Assembly	**219.14**
17	FDXLHLI1930	High Limit Kit	**80.47**
18	FDXLTER1930	Thermistor	**59.34**
19	FDXLGSK1934	Gasket, CC Front/Air Box – All Models	**84.14**
20	FDXLHXA1150	Heat Exchanger Assembly – 135K BTU Heater	**1,587.74**
21	FDXLFHA1930	Inlet/Outlet Header Assembly	**340.51**
22	FDXLHDW1930	Header Hardware Kit	**62.99**
23	FDXLHMB1930	Header Mounting Base Kit	**64.64**
24	FDXLBKP1930	Bypass Cartridge Kit	**128.36**
25	SPX4000FG	Drain Plug With Gasket	**6.11**
26	FDXLPRM1930	Return Manifold Replacement Kit	**82.73**
NOT PICTURED			
—	CHXRLV1930	Pressure Relief Valve	**$101.62**
—	IDXLGSK1135	Gasket Kit – 135K BTU Heater	**51.78**
—		Gasket, Flue Collector Side	**—**
—		Gasket, Blower Mounting	**—**
—		Gasket, Igniter Cover	**—**
—		Gasket, Cover/Air Box Front	**—**
—		Gasket, Manifold/Air Box	**—**
—	FDXLGSK1933	Insulation, Return Side Tube Sheet	**45.11**
—	FDXLBRN1931	Burner (Qty 1)	**59.91**
—	FDXLFOR1930	Header O-Ring Kit	**37.08**
—	FDXLEGL1930	Exhaust Gas Temperature Limit (One-Use)	**33.07**
—	IDXLWHA1135	Wiring Harness Kit, Complete	**94.70**
—	FDXLFSKC30	Fuse Kit, 3.0A, for Integrated Control Board (Qty 10)	**32.01**
—	IDXLUKT1135	Union Kit (Includes Fittings, Union Nuts, Gaskets)	**70.74**

H-Series

ABOVE-GROUND – INDUCED DRAFT 100K BTU HEATER REPLACEMENT PARTS

Parts Diagram



Parts Listing

Ref. No.	Part No.	Description
1	IDXBWR1936†	Combustion Blower
2	IDXBLG1930**	Blower Gasket
	IDXBLG1931††	Blower Gasket
3	IDXHLK1930	Hi Limits, Kit
4	CZXPRS1105	Water Pressure Switch
5	IDXHXA1101**	Heat Exchanger Assembly
	IDXHXA1102†	Heat Exchanger Assembly
6	IDXGKT1930	Heat Exchanger Gasket
7	IDXWHA1931*	Wire Harness
8	IDXBRG1930	Burner Gasket
9	IDXBNR1930	Burner
10	IDXAGK1930	Burner Orifice and Air Orifice Bracket Kit – Natural
	IDXAGK1931	Burner Orifice and Air Orifice Bracket Kit – Propane
11	IDXIGN1930	Ignitor
12	IDXVAL1931	Gas Valve
13	IDXMAN1100	Gas Manifold
14	IDXAPS1930	Air Pressure Switch
15	IDXMOD1930	Control Module with Ignitor
16	IDXCPG1931	Coupling
17	IDXTST1930	Thermostat
18	IDXCPA1100	Control Panel Assembly
19	IDXFAD1101*	Front Access Door
20	CHXTSW1930	On/Off Switch
21	IDXBLS1930**	Blower Switch
	IDXBLS1931†	Blower Switch
		CONVERSION KITS
—	IDXCNK1933	Natural to Propane
—	IDXCNK1934	Propane to Natural

NOTES: *Used only on heaters made after January 2000, S/N 20A01209.

**Used only on heaters made before April 16, 2013, S/N 21131304101440001.

†Used only on heaters made after April 16, 2013, S/N 21131304101440001.

Heater Replacement Parts

PRICES

Part Number	Part Description	List Price
CHXGEN1930	Pilot Generator All Millivolt	**$91.30**
CHXMSI1930	Clicklite Manual Spark Ignitor H-Series, CZ, HM2, CPS	**56.83**
CHXPRS1931	Pressure Switch	**79.26**
CHXPSA1930	Pressure Switch	**28.19**
CHXRLV1930	Relief Valve	**101.62**
CHXTBW1930	Thermostat Bulb Well, All Gas	**39.94**
CHXTRF1930	D/V Transformer CZ & HM2 Series	**87.83**
CHXTSK1930	Thermostat Knob	**35.33**
CHXTST1930	Thermostat without Knob	**101.62**
CHXTSW1930	On/Off Switch	**27.87**
CHXTSW1931	3-Way Toggle Switch CZ & HM2 Series	**29.52**
CZXCON3645	Contactor CSPA XI 240 Volt Coil	**236.45**
CZXELE7623	Element 5500W 208/240V	**99.62**
CZXGKT7627	Element Gasket	**18.39**
CZXHLC3105	Hi Limit Spa XI CSPA XI	**118.76**
CZXLIT3613	Power Ind. Lite Assembly 240V	**Discont'd**
CZXTNK6607	Tank CSPA XI	**720.98**
CZXTSK2003	Thermostat Knob Slip On – Replace with CZK	**30.75**
CZXTST3006	Thermostat Mears Electric	**123.19**
FDXLBBN1500	Blower Inlet Baffle – H500FD	**46.12**
FDXLBKP1930	Bezel & Keypad Assembly	**128.36**
FDXLBON1500	Burner Orifice Kit Natural Gas – H500FD Only	**58.92**
FDXLBOP1500	Burner Orifice Kit Propane Gas – H500FD Only	**58.92**
FDXLBON1930	Burner Orifice Kit Natural Gas – FD	**60.35**
FDXLBOP1930	Burner Orifice Kit Propane Gas – FD	**60.35**
FDXLBRN1930	Burner (Qty. 8)	**443.39**
FDXLBVS1930	Blower Vacuum Switch	**49.57**
FDXLBWR1500	Combustion Blower – H500FD Only	**386.43**
FDXLBWR1930	Combustion Blower – FD	**347.13**
FDXLCNK0001	Conversion Kit – NA to LP	**282.20**
FDXLCNK0002	Conversion Kit – LP to NA	**282.20**
FDXLFAD1500	Front Access Door Assembly – HS00FD	**314.58**
FDXLFAD1500A	Front Door Assembly, Gray, ASME – H500FD	**314.58**
FDXLFHA1930	Header Assembly	**340.51**
FDXLFOR1930	Header O-Ring Kit	**37.08**
FDXLFSK1930	Fuse Service Kit – FD	**46.96**
FDXLFSKC30	Fuse Kit, 3.0A, for Integrated Control Board (Qty. 10)	**32.01**
FDXLFSKF15	Fuse Kit, 1.5A, for Field Wiring Panel (Qty. 10)	**32.01**
FDXLFSKF25	Fuse Kit, 2.5A, for Field Wiring Panel (Qty. 10)	**62.99**
FDXLFSKF30	Fuse Kit, 3.0A, for Field Wiring Panel (Qty. 10)	**62.99**
FDXLFWP1930	Field Wiring Panel – FD	**104.72**
FDXLGCK1150NP	Conversion Kit, NA to LP, Quick-Change – H150FD	**259.55**

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Heater Replacement Parts

PRICES

Part Number	Part Description	List Price
FDXLGCK1150PN	Conversion Kit, LP to NA, Quick-Change – H150FD	**$259.55**
FDXLGCK1200NP	Conversion Kit, NA to LP, Quick-Change – H200FD	**260.86**
FDXLGCK1200PN	Conversion Kit, LP to NA, Quick-Change – H200FD	**260.86**
FDXLGCK1250NP	Conversion Kit, NA to LP, Quick-Change – H250FD	**262.16**
FDXLGCK1250PN	Conversion Kit, LP to NA, Quick-Change – H250FD	**262.16**
FDXLGCK1300NP	Conversion Kit, NA to LP, Quick-Change – H300FD	**257.24**
FDXLGCK1300PN	Conversion Kit, LP to NA, Quick-Change – H300FD	**263.44**
FDXLGCK1350NP	Conversion Kit, NA to LP, Quick-Change – H350FD	**258.52**
FDXLGCK1350PN	Conversion Kit, LP to NA, Quick-Change – H350FD	**258.52**
FDXLGCK1400PN	Conversion Kit, LP to NA, Quick-Change – H400FD	**265.95**
FDXLGCK1400NP	Conversion Kit, NA to LP, Quick-Change – H400FD	**265.95**
FDXLGCK1500NP	Gas Conversion Kit, NA to LP, H500FD	**307.42**
FDXLGCK1500PN	Gas Conversion Kit, LP to NA, H500FD	**863.75**
FDXLGSK1930	Gasket Kit – Air Side (All Models)	**91.52**
FDXLGSK1931	Gasket Kit – Exhaust Side (All Models)	**173.91**
FDXLGSK1932	Gasket, Bezel/Top – FD	**40.55**
FDXLGSK1933	Insulation, Return Side Tube Sheet – FD	**45.11**
FDXLGSK1934	Gasket, CC Front/Air Box – FD (All Models)	**84.14**
FDXLGSV0001	Gas Valve Natural Gas – FD	**365.95**
FDXLGSV0002	Gas Valve Propane Gas – FD	**365.95**
FDXLGSV1500N	Gas Valve Natural Gas – H500FD Only	**862.27**
FDXLGSV1500P	Gas Valve Propane Only – H500FD Only	**381.53**
FDXLHBP1150	Heat Barrier Panel – H150FD	**132.94**
FDXLHBP1200	Heat Barrier Panel – H200FD	**135.38**
FDXLHBP1250	Heat Barrier Panel – H250FD	**130.06**
FDXLHBP1300	Heat Barrier Panel – H300FD	**140.30**
FDXLHBP1350	Heat Barrier Panel – H350FD	**Discont'd**
FDXLHBP1400	Heat Barrier Panel – H400FD	**Discont'd**
FDXLHBP1500	Heat Barrier Panel – H500FD	**Discont'd**
FDXLHDW1930	Header Hardware Kit	**62.99**
FDXLHLI1930	High Limit 135°F	**80.47**
FDXLHMB1930	Header Mounting Base Kit	**64.64**
FDXLHXA1150	Heat Exchanger Assembly – H150FD	**1,587.74**
FDXLHXA1200	Heat Exchanger Assembly – H200FD	**1,601.11**
FDXLHXA1250	Heat Exchanger Assembly – H250FD	**1,633.12**
FDXLHXA1300	Heat Exchanger Assembly – H300FD	**1,704.25**
FDXLHXA1350	Heat Exchanger Assembly – H350FD	**1,891.81**
FDXLHXA1400	Heat Exchanger Assembly – H400FD	**2,028.02**
FDXLHXA1500	Heat Exchanger Assembly – H500FD	**2,394.39**
FDXLIAC1930	Ignitor Access Cover	**44.20**
FDXLICB1930	Integrated Control Board – FD	**486.65**
FDXLIGN1930	Ignitor – FD	**123.61**

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Heater Replacement Parts

PRICES

Part Number	Part Description	List Price
FDXLJKT1150	Jacket Top & Flue Cover – H150FD	**$247.07**
FDXLJKT1200	Jacket Top & Flue Cover – H200FD	**260.63**
FDXLJKT1250	Jacket Top & Flue Cover – H250FD	**271.07**
FDXLJKT1300	Jacket Top & Flue Cover – H300FD	**274.30**
FDXLJKT1400	Jacket Top and Flue Cover – H400FD	**280.68**
FDXLLEC1930	Lower End Cap – FD	**Discont'd**
FDXLPBL1930	Base Leg – FD	**59.27**
FDXLRGK1151	Rain Guard Assembly – H150FD	**279.08**
FDXLRGK1201	Rain Guard Assembly – H200FD	**279.08**
FDXLRGK1251	Rain Guard Assembly – H250FD	**279.08**
FDXLRGK1301	Rain Guard Assembly – H300FD	**Discont'd**
FDXLRGK1351	Rain Guard Assembly – H350FD	**279.08**
FDXLRGK1401	Rain Guard Assembly – H400FD	**279.08**
FDXLRGK1500	Rain Guard Assembly – H500FD	**310.69**
FDXLBTP1930	Trim Panel Kit	**50.26**
FDXLRTP1930	Right Trim Panel Kit	**118.63**
FDXLTDK1930	Tie-Down Kit – FD	**90.05**
FDXLTER1930	Thermistor	**59.34**
FDXLTFC1150	Top/Flue Cover – H150FD	**Discont'd**
FDXLTFC1200	Top/Flue Cover – H200FD	**119.22**
FDXLTFC1250	Top/Flue Cover – H250FD	**129.62**
FDXLTFC1300	Top/Flue Cover – H300FD	**129.79**
FDXLTFC1350	Top/Flue Cover – H350FD	**143.03**
FDXLTFC1400	Top/Flue Cover – H400FD	**154.31**
FDXLTFC1500	Top/Flue Cover – H500FD	**171.65**
FDXLUEC1930	Upper End Cap – FD	**Discont'd**
FDXLVPS1930	Vent Pressure Switch, Indoor, 0–2,000 ft	**75.86**
FDXLVPS1931	Vent Pressure Switch, Indoor, 2,000–10,100 ft	**120.26**
FDXLWHA0001	Wiring Harness Kit Complete – FD	**154.71**
FDXLWHA1930	Wiring Harness Kit Complete – FD	**253.42**
FDXLWPS1930	Water Pressure Switch	**51.46**
HAXBON1930	Burner Orifice NA	**24.01**
HAXBON1931	Burner Orifice NA High Altitude	**25.80**
HAXBON210	Burner Orifice, NA, H210 Only	**Discont'd**
HAXBOP210	Burner Orifice, LP, H210 Only	**21.15**
HAXBRN1930	Main Burner – H Series	**131.51**
HAXCPA1932	Control Bezel Assembly	**994.40**
HAXCPA2150	Control Panel Assembly – 150 MV (after 5/98)	**302.52**
HAXCPA2250	Control Panel Assembly – 250 MV (after 5/98)	**339.23**
HAXCPA2300	Control Panel Assembly – 300 MV (after 5/98)	**436.81**
HAXCPA2400	Control Panel Assembly – 400 MV (after 5/98)	**Discont'd**
HAXCPA3153	Control Panel Assembly H150ED2	**992.08**

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Heater Replacement Parts

PRICES

Part Number	Part Description	List Price
HAXCPA3203	Control Panel Assembly H200ED2	**$994.40**
HAXCPA3253	Control Panel Assembly H250ED2	**999.89**
HAXCPA3303	Control Panel Assembly H300ED2	**Discont'd**
HAXCPA3353	Control Panel Assembly H350ED2	**1,009.69**
HAXCPA3403	Control Panel Assembly H400ED2	**1,014.66**
HAXDHO1930	DHO Insert	**92.16**
HAXDRV1930	Drain Valve Assembly	**94.38**
HAXFCT1930	Flow Control Thermostat	**82.22**
HAXFHA1931	Assembly, Front Header – H Series (after 10/28/00)	**575.88**
HAXFHD1930	Front Header Only	**252.68**
HAXFHD1931	Front Header Only (after 10/28/00)	**236.45**
HAXFOR1930	Flange O-Ring	**12.07**
HAXGSV0001	Gas Valve 150 – 400 NA MV	**691.09**
HAXGSV0003	Gas Valve 150 – 400 LP MV	**691.09**
HAXGSV0004	Gas Valve 150 – 400 LP DS	**621.63**
HAXGSV0005	Gas Valve 150 – 400 NA DS	**621.63**
HAXHLI1930	Hi-Limit 135°F	**58.60**
HAXHOR1930	Header O-Ring	**22.58**
HAXHXA1153	Heat Exchanger Assembly – H150	**1,726.59**
HAXHXA1203	Heat Exchanger Assembly – H200	**1,944.52**
HAXHXA1210	Heat Exchanger Assembly – H210	**2,085.39**
HAXHXA1253	Heat Exchanger Assembly – H250	**2,262.90**
HAXHXA1303	Heat Exchanger Assembly – H300	**2,376.68**
HAXHXA1353	Heat Exchanger Assembly – H350	**2,526.12**
HAXHXA1403	Heat Exchanger Assembly – H400	**2,754.74**
HAXIGN1931	Ignitor	**127.18**
HAXMOD1930	Control Module	**488.27**
HAXNIP1930	Union Connector	**66.16**
HAXNUT1930	Union Nut	**31.12**
HAXPLT1931	Pilot, NA MV PSE-NA15	**266.89**
HAXPLT1932	Pilot, LP MV PSE-LP15	**266.89**
HAXPNT1930	Touch-up Paint, H-Series	**103.59**
HAXPSA1930	Pressure Switch Assembly Kit	**96.69**
HAXRHD1930	Rear Header Only	**117.97**
HAXRSA1930	Roll Out Switch Kit	**106.37**
HAXTLK1930	Temperature Limiters Kit	**124.27**
HAXTRK1930	Pilot Tube Replacement Kit	**49.05**
HAXTST1930	Thermostat with Knob	**102.92**
HAXWHA0001	Wire Harness MV Front H	**178.74**
HAXWHA0003	Wire Harness DS Rear H	**58.41**
HAXWHA0005	Wire Harness (Electronic)	**Discont'd**
HAXWHA0006	Wire Harness Rear, ID Series	**257.70**

NOTE: If the part number you are looking for is not in this price book it is no longer available.

Heater Replacement Parts

PRICES

Part Number	Part Description	List Price
HAXWHA0007	Rear Wire Harness	**$257.70**
HAXWHA0008	Main Wire Harness	**183.15**
HMXHLI2932	Immersion Hi Limit Rear Header 160° HM	**58.60**
IDXAPS1930	Air Pressure Switch	**124.79**
IDXBLG1930	Blower Gasket	**27.85**
IDXBNR1930	Burner, Natural or Propane	**408.15**
IDXBRG1930	Burner Gasket	**18.25**
IDXCNK1933	Conversion Kit, Natural to Propane, H100	**86.82**
IDXCNK1934	Conversion Kit, Propane to Natural, H100	**86.82**
IDXCPG1931	Coupling – 2"	**43.46**
IDXFAD1101	Front Access Door (after S/N 20A01209)	**134.74**
IDXHLK1930	Hi-Limit Kit	**206.04**
IDXHXA1101	Heat Exchanger Assembly	**1,103.92**
IDXHXA1102	Heat Exchanger Assembly	**1,322.67**
IDXIGN1930	Ignitor	**143.03**
IDXJKT1100	Jacket Top	**98.71**
IDXKIT1930	Consumer Kit	**79.95**
IDXL2BVS1930	Blower Vacuum Switch	**78.72**
IDXL2DB1930	Display Board Only – FD & IDL2	**443.85**
IDXL2FSB1930	Fuse Board	**487.02**
IDXL2FSK1930	Complete Set of Fuses	**63.45**
IDXL2ICB1931	Integrated Control Board	**448.33**
IDXL2IGN1930	Silicone Nitride Ignitor	**147.98**
IDXL2SNT1930	Silicon Tube 2.5	**70.22**
IDXL2TRF1930	Transformer	**183.32**
IDXL2VPS1930	Vent Pressure Switch	**111.67**
IDXL2WHM1930	Wire Harness Main – 120V	**Discont'd**
IDXLBVS1930	Blower Vacuum Hitch	**78.72**
IDXLBWR1930	Combustion Blower – 240V	**861.46**
IDXLBWR1931	Combustion Blower – 120V	**837.53**
IDXLCPA1250	Control Panel Assembly – H250IDL	**1,007.28**
IDXLCPA1400	Control Panel Assembly – H400IDL	**1,012.40**
IDXLCPA1930	Control Panel Assembly	**994.69**
IDXLFLS1930	Flame Sensor	**94.38**
IDXLHXA1250	Heat Exchanger Assembly – H250IDL	**Discont'd**
IDXLHXA1400	Heat Exchanger Assembly – H400IDL	**Discont'd**

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Heater Replacement Parts

PRICES

Part Number	Part Description	List Price
IDXLIGN1930	Ignitor – 240V	**$188.39**
IDXLTER1930	Thermistor	**184.70**
IDXLTMB1931	Terminal Block – 5 Pole	**53.21**
IDXLVPS1930	Vent Pressure Switch	**126.41**
IDXLWHM1930	Wire Harness Main – 240V	**Discont'd**
IDXMAN1100	Manifold	**154.48**
IDXMOD1930	Ignition Module	**567.17**
IDXWHA1931	Wire Harness	**61.19**
IHXILS1930	Interlock Switch – 240V	**85.34**
IHXMOD1931	Control Module	**597.25**
IHXTRF1930	Transformer – 240V	**133.06**
UHXFSW1930	Water Flow Switch Kit	**533.52**
UHXTFP1930	Water Flow Switch & Temp Pressure Gauge Kit	**867.79**
UHXPOSHZ14008	Indoor Vent Adapter Kit, H400FD, Positive-Pressure (Horizontal)	**732.80**
UHXNEGVT15008	Indoor Vent Adapter Kit, H500FD, Negative-Pressure (Vertical)	**462.57**
UHXPOSHZ11506	Indoor Vent Adapter Kit, H150FD, Positive-Pressure (Horizontal)	**621.29**
UHXPOSHZ12006	Indoor Vent Adapter Kit, H200FD, Positive-Pressure (Horizontal)	**638.55**
UHXPOSHZ12506	Indoor Vent Adapter Kit, H250FD, Positive-Pressure (Horizontal)	**637.86**
UHXPOSHZ13008	Indoor Vent Adapter Kit, H300F, Positive-Pressure (Horizontal)	**694.22**
UHXPOSHZ13508	Indoor Vent Adapter Kit, H350FD, Positive-Pressure (Horizontal)	**719.68**
UHXNEGVT14008	Indoor Vent Adapter Kit, H400FD, Negative-Pressure (Vertical)	**353.98**
UHXPOSHZ15006	Indoor Vent Adapter Kit, H500FD, Positive-Pressure (Horizontal)	**847.05**
UHXNEGVT11506	Indoor Vent Adapter Kit, H150FD Negative-Pressure (Vertical)	**284.89**
UHXNEGVT12006	Indoor Vent Adapter Kit, H200FD Negative-Pressure (Vertical)	**302.22**
UHXNEGVT12506	Indoor Vent Adapter Kit, H250FD Negative-Pressure (Vertical)	**301.53**
UHXNEGVT13008	Indoor Vent Adapter Kit, H300FD Negative-Pressure (Vertical)	**315.35**
UHXNEGVT13508	Indoor Vent Adapter Kit, H350FD Negative-Pressure (Vertical)	**340.88**
UHXNEGVT14008	Indoor Vent Adapter Kit, H400FD, Negative-Pressure (Vertical)	**353.98**
UHXPOSHZ11506	Indoor Vent Adapter Kit, H150FD, Positive-Pressure (Horizontal)	**621.29**

NOTE: If the part number you are looking for is not in this price book it is no longer available.

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The Universal HC Series heater's industry-smallest footprint and zero wall clearance mean more space on the truck, less time spent installing and more room in your schedule. It's like we designed it just for you. Oh wait, we did.

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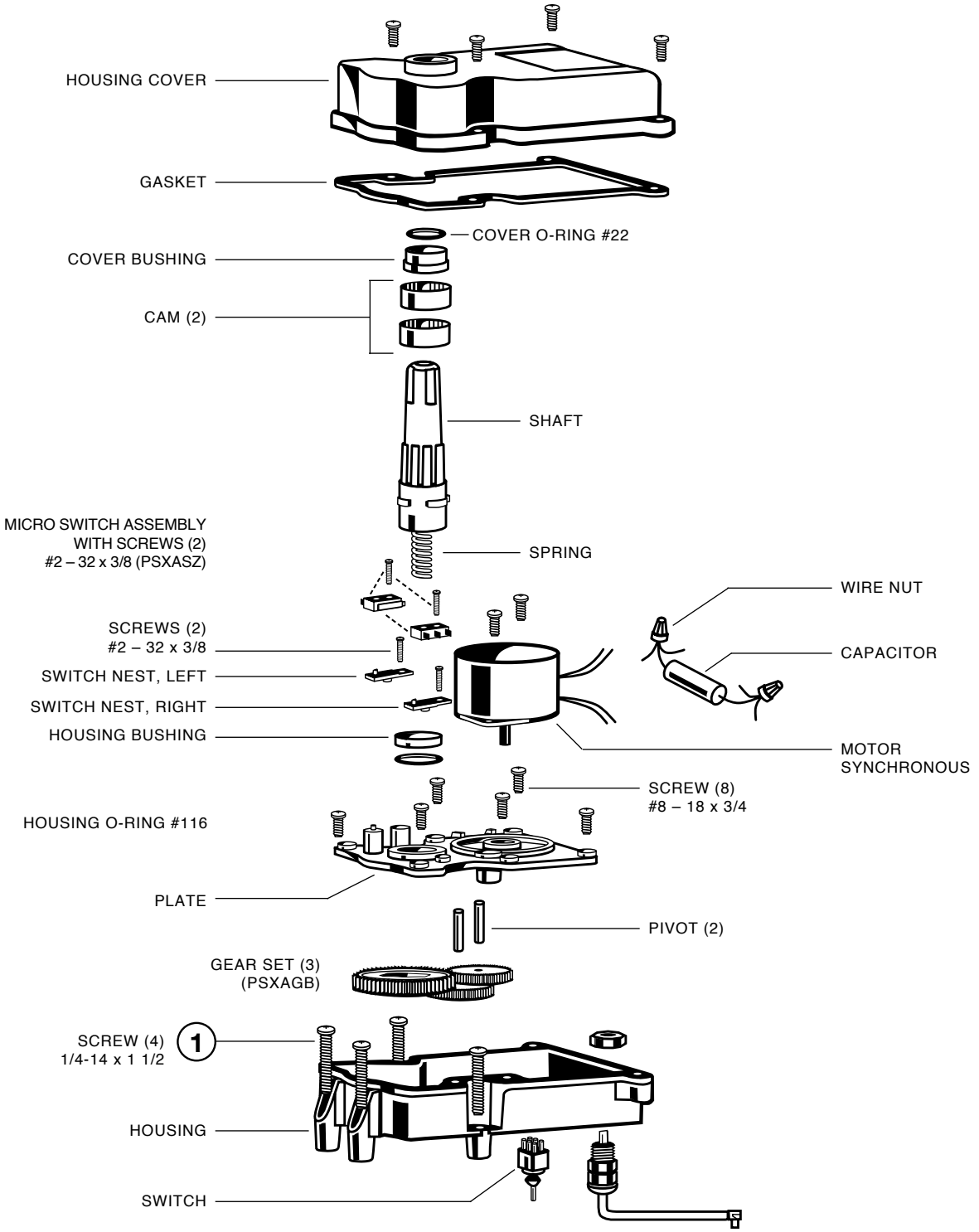
*Destroys 99.9% of chlorine-resistant microorganisms up to 80 GPM, with a reduced level above 80 GPM.

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Actuator

GVA-24 REPLACEMENT PARTS

Parts Listing



Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd	List Price
1	GLX-GVA-4SCR	Mounting Screws *(Set of 4)*	8	1	**$28.76**

OMNILOGIC® AND OMNIPL® (PRE 2022)

Part No.	Description	List Price
HLRELAY	OmniLogic Relay	**$143.70**
HLX-CRADLE	Omni Remote Replacement Charging Cradle	**132.37**
HLX-LCD	LCD without MSP, Replacement, OmniLogic	**188.76**
HLX-LCD0520	LCD without MSP, Replacement, OmniLogic (5/20 or newer)	**188.76**
HLX-DSP-MOUNT	OmniLogic Replacement Display Mount	**55.60**
HLX-EXP-DSP	OmniLogic Expansion Panel Display	**1,004.99**
HLX-LOC-DSP	OmniLogic Replacement Local Display	**1,163.36**
HLX-PCB-MAIN	OmniLogic Replacement Main Control Board	**1,677.49**
HLXCONNKIT	Kit, Replacement, Connectors	**41.24**
HLXPLCONTROL	OmniPL Replacement Controller	**1,006.19**
HLX-PCB-TCELL	T-Cell PCB Board	**173.00**
HLX-PSUPPLY	Power Supply Assembly	**769.44**
HLX-TRNSFMR	OmniLogic Transformer	**329.97**
HLXSTYLUS5PK	Replacement Stylus *(5 pack)*	**149.51**
HLXUSB5PK	Replacement USB *(5 pack)*	**207.35**
HLXLATCH	OmniLogic Replacement Door Latch	**34.10**
HLXBRACKET	OmniLogic Replacement Mounting Brackets	**37.92**
HLXDEADFRONT	OmniLogic Replacement Deadfront	**146.51**
HLXDOOR	OmniLogic Replacement Door	**173.27**
HLXFANKIT	OmniLogic Replacement Fan Kit	**85.76**
HLXPL485100	OmniPL RS485 Extension 100 ft.	**205.04**

NOTE: Mobile phone and tablet not included with OmniLogic.



OmniLogic Pool and Spa Automation System

OMNIPL (2023 OR LATER)

Part No.	Description	List Price
HLXPLFRONT	Replacement, Deadfront	**$132.25**
HLXPLXFMR	Replacement, Transformer	**297.94**
HLXPLCABLEKIT	Replacement, Cablekit, Retrofit	**71.41**
HLXPLPCBMAIN	Replacement, PCBA	**1510.10**



OmniPL

OMNIHUB®

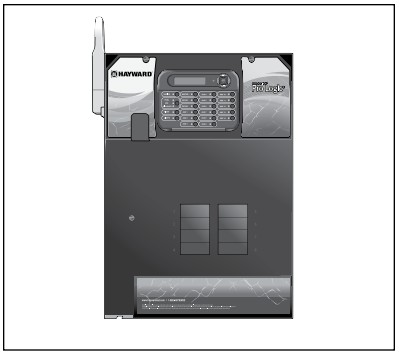
Part No.	Description	List Price
HLHCONTROL	OmniHub®/VS Omni™ Replacement Controller	**$891.01**
HLX-LCD	LCD without MSP, Replacement, OmniLogic	**188.76**
HLX-LCD0520	LCD without MSP, Replacement, OmniLogic (5/20 to present)	**188.76**
HLXDCOVER	Replacement, Sun Cover	**36.66**
HLXDLCD	Replacement, LCD Display	**256.77**
HLXDSPCASE	Replacement, Display Case	**77.91**
HLXHIOPCB	Replacement, OmniHub PCB	**301.63**
HLXHUBCASE	Replacement, Hub Case	**94.31**
HLXHW5PK	Replacement, OmniHub Hardware *(5 pack)*	**36.66**
HLXJBOX	Replacement, J-Box	**37.75**
HLXRLYLABL	Replacement, Relay Label	**70.13**
HLXWHIP6	Replacement, Omni® 6 ft Whip	**86.72**
HLX485RELAY	Replacement, Smart Relay	**389.58**
HLX485100	Replacement, RS485 100 ft Extension	**205.04**



OmniHub wiring base unit, smart relay, and control pad

Automation & Sanitization

REPLACEMENT PARTS



ProLogic

PROLOGIC®

Part No.	Description	List Price
GLX-PCB-PRO*	Main PCB, ProLogic	**$1,423.45**
HLPROUPG	OmniLogic Retrofit Kit with App	**2,411.30**
GLX-PL-LOC-P-4	Display, Local, ProLogic, P-4	**788.16**
GLX-PL-LOC-PS4	Display, Local, ProLogic, PS-4	**1,171.59**
GLX-PL-LOC-PS8	Display, Local, ProLogic, PS-8	**1,235.46**
GLX-PL-LOC-PS16	Display, Local, ProLogic, PS-16	**1,278.05**
HLX-CRADLE	Charging Cradle, Replacement	**132.37**
AQL2-BASE-RF	Base Station, Wireless	**458.21**
AQL2-TB-RF-P-4	Wireless Remote, Tabletop, P-4, Black	**1,195.67**
AQL2-TW-RF-P-4	Wireless Remote, Tabletop, P-4, White	**1,195.67**
AQL2-TB-RF-PS-4	Wireless Remote, Tabletop, PS-4, Black	**1,195.67**
AQL2-TW-RF-PS-4	Wireless Remote, Tabletop, PS-4, White	**1,195.67**
AQL2-TB-RF-PS-8	Wireless Remote, Tabletop, PS-8, Black	**1,295.27**
AQL2-TW-RF-PS-8	Wireless Remote, Tabletop, PS-8, White	**1,295.27**
AQL2-TB-RF-PS16	Wireless Remote, Tabletop, PS-16, Black	**1,486.54**
AQL2-WW-PS-4	Wired Remote, Wall Mount, PS-4, White	**737.24**
AQL2-WW-PS-8	Wired Remote, Wall Mount, PS-8, White	**827.01**
AQL2-WW-PS-16	Wired Remote, Wall Mount, PS-16, White	**943.28**
AQL2-WW-RF-PS-8	Wireless Remote, Wall Mount, PS-8, White	**995.38**
GLX-STDOFFPAK20	Display Standoff *(Pack of 20)*	**23.49**
GLX-ACT-CONN	Actuator Connector	**17.11**

NOTE: *For units produced after October 2008.



E-Command 4

E-COMMAND®, E-COMMAND 4

Part No.	Description	List Price
GLX-PCB-HPC-4	Main PCB, E-Command 4	**$1,144.75**
HLPROUPG	OmniLogic Retrofit Kit with App	**2,411.30**
HLXPLXFMR	Replacement, Transformer, OmniPL	**297.84**
GLX-LOCAL-P-4	Display, Local, E-Command	**489.90**
GLX-PL-LOC-P-4	Display, Local, E-Command 4	**788.16**



OnCommand

ONCOMMAND®

Part No.	Description	List Price
GLX-PCB-ONCOM	Main PCB, OnCommand	**$1,144.75**
GLX-LOC-ONCOM	Display, Local, OnCommand	**643.84**

AQUALOGIC

Part No.	Description	List Price
GLX-PCB-MAIN	Main PCB, AquaLogic	**$1,299.85**
HLPROUPG	OmniLogic Retrofit Kit with App	**2,411.30**
GLX-PCB-EXP	PCB, Expansion Unit for PS-16	**1,299.85**
GLX-LOCAL-P-4	Display, Local, P-4	**489.90**
GLX-LOCAL-PS-4	Display, Local, PS-4	**947.91**
GLX-LOCAL-PS-8	Display, Local, PS-8	**990.48**
GLX-LOCAL-PS-16	Display, Local, PS-16	**1,054.40**
AQL2-BASE-RF	Wireless Antenna for AquaLogic	**458.21**
GLX-STDOFFPAK20	Display Standoff (Pack of 20)	**$23.49**
GLX-ACT-CONN	Actuator Connector	**17.11**

AQUAPLUS®

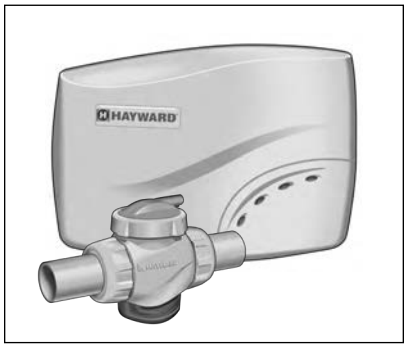
Part No.	Description	List Price
GLX-PCB-PRO	Main PCB, AquaPlus	**$1,423.45**
HLPROUPG	OmniLogic Retrofit Kit with App	**2,411.30**
GLX-PL-LOC-P-4	Display, Local, AquaPlus	**788.16**



AquaPlus

SALT & SWIM® 3C

Part No.	Description	List Price
W3SAS-CELL	Salt & Swim 3C Replacement Cell	**$750.70**
GLX-CTL-DIY	Salt & Swim 3C Control Box	**1,226.52**
GLX-DIY-CORD	Salt & Swim 3C Replacement Power Cord	**Discont'd**
GLX-DIY-CABLE	Salt & Swim 3C Replacement Cell Cable	**154.34**
GLX-DIY-DOOR	Salt & Swim 3C Replacement Door	**Discont'd**
GLX-DIY-VESSEL	Salt & Swim 3C Replacement Vessel	**243.72**
GLX-DIY-CAP	DIY, Winterizing Cap	**67.74**
GLX-DIY-CCN15	1.5" Ring, Collar and Nut Set	**101.52**
GLX-DIY-CCN2	2" Ring, Collar and Nut Set	**101.52**
GLX-DIY-CUP	Cell Cleaning Cup	**31.27**
GLX-DIY-ORING	O-Ring for Salt Cell	**33.07**
GLX-DIY-UNION	Salt & Swim 3C Pro Union Kit	**67.32**
HLX-DIY-VSLNUT	Salt & Swim Vessel Nut – Top	**20.29**



Salt & Swim 3C

S3 REPLACEMENT

Part No.	Description	List Price
GLX-CTL-AR-PRO	Control Unit, AquaRite Pro	**$2,359.91**
GLX-PCB-AR-PRO	Main PCB, AquaRite Pro	**1,415.89**
GLX-AR-PRO-MEM	Display, Membrane Key Pad, Dead Front	**632.86**
GLX-XFMR-AQRS3	Replacement, Transformer, AQRS3	**360.43**
GLXAQR100CCABLE	Replacement Cell Cable, AQR100	**152.34**
GLXAQR100CTL	Replacement Controller, AQR100	**1,083.26**
GLXAQR100DOOR	Replacement Door, AQR100	**40.60**
GLXAQR100PCB	Replacement PCB, AQR100	**301.26**
GLXAQR100PCORD	Replacement Power Cord, AQR100	**100.78**
GLXAQR100VESNUT	Replacement Vessel Nut, AQR100	**27.09**
GLXAQR100VESSEL	Replacement Vessel without Cell, AQR100	**84.63**
GLXAQR100XFMR	Replacement Transformer, AQR100	**304.68**
GLXS3DISPLAY	Replacement, Display, AQRS3	**207.82**
GLXS3FUSE	Replacement, Fuses, AQRS3	**15.98**
GLXS3HANDLE	Replacement, Handle, AQRS3	**19.18**
GLXS3OMNIPCB	Replacement, PCBA, AQRS3 OMNI	**511.54**
GLXS3PCB	Replacement, PCBA, AQRS3	**633.03**
GLXS3PLXFMR	Replacement, Transformer, S3 OmniPL	**340.04**
GLXS3RELAY	Replacement, Relay, AQRS3	**60.74**



AquaRite S3

AQUARITE® PRO

Part No.	Description	List Price
GLX-CTL-AR-PRO	Control Unit, AquaRite Pro	**$2,359.91**
GLX-PCB-AR-PRO	Main PCB, AquaRite Pro	**1,415.89**
GLX-AR-PRO-MEM	Display, Membrane Key Pad, Dead Front	**632.86**



AquaRite Pro

Automation & Sanitization

REPLACEMENT PARTS



AquaRite

AQUARITE®

Part No.	Description	List Price
GLX-CTL-RITE	Control Unit, AquaRite	**$2,014.36**
GLX-PCB-RITE	Main PCB, AquaRite	**602.20**
GLX-PCB-DSP	Display PCB, AquaRite	**254.87**
GLX-FLO-RPPAK10	Replacement Flow Switch *(Pack of 10)*	**1,255.70**
GLX-FLO-RP	Replacement Flow Switch – 15' cable (no tee)	**252.19**
GLX-FLO-RP-25	Replacement Flow Switch – 25' cable (no tee)	**236.90**
GLX-FLO-T	Flow Switch Tee	**42.30**
GLX-XFMR	Transformer	**360.43**
GLX-R-10PK	Rectifier *(10 pack)*	**Discont'd**
GLX-F20-10PK	20 Amp Glass Fuse *(10 pack)*	**91.92**
GLX-F20A-10PK	20 Amp Yellow Fuse *(10 pack)*	**111.62**
GLX-CELLSTAND	Salt Cell Cleaning Stand	**58.18**
GLX-CELL-UNION	Salt Cell Union – Tailpiece, Nut and O-Ring	**44.64**
GLX-CELL-PIPE	Salt Cell Placeholder	**82.29**
GLX-SALTMETER	Handheld Digital Salt Meter	**360.14**
GLX-STDOFFPAK20	Display Standoff *(Pack of 20)*	**23.49**



Sense and Dispense

SENSE AND DISPENSE®

Part No.	Description	List Price
GLX-PROBE-ORP	Probe, ORP Replacement	**$673.49**
GLX-PROBE-PH	Probe, pH Replacement	**652.02**
GLX-SD-ELEC-MOD	Sense and Dispense Electronics Module	**641.33**
GLX-SD-FLOW*	Flow Cell, Sense and Dispense only	**327.36**
GLX-WINTER-KIT	Kit-Replacement, Winterizing	**91.72**
GLX-SADDLE	Saddle Clamp	**Discont'd**

NOTE: *This SKU replaces GLX-FLOW-CELL



AquaTrol

AQUATROL®

Part No.	Description	List Price
GLX-CTL-TR-HP	Control Unit, AquaTrol – HP, straight blade	**$1,506.56**
GLX-CTL-TR-HP-T	Control Unit, AquaTrol – HP, twist lock	**Discont'd**
GLX-CTL-TR-RJ	Control Unit, AquaTrol – RJ, straight blade	**1,506.56**
GLX-CTL-TR-RJ-T	Control Unit, AquaTrol – RJ, twist lock	**Discont'd**
GLX-RJ-ELBOW	Fitting, Return Jet	**88.82**
GLX-TROL-TIMER	24 hour Timeclock	**135.75**
GLX-PCB-TROL-RJ	Main PCB, AquaTrol RJ	**645.15**
GLX-PCB-TROL-HP	Main PCB, AquaTrol HP	**645.15**
GLX-CELL-5	TurboCell®, 20K gallons	**1,055.56**
TCELLS318	TurboCell S3 Salt Cell 18K gallons, clear cell	**1,034.85**

NOTE: TurboCell Replacements available – see page 82.

SALT & SWIM® ABOVE GROUND

Part No.	Description	List Price
GLX-CTL-SASAG	Salt & Swim Above Ground Control Box with 120V power cord, straight blade	**Discont'd**
GLX-CTL-SASAG-T	Salt & Swim Above Ground Control Box with 120V power cord, twist lock	**Discont'd**
SAS-CELL-ABG	Salt & Swim Above Ground Replacement Cell	**Discont'd**

HYDRORITE®

Part No.	Description	List Price
GLX-HYDCTLUVO	Controller, UV/Ozone	**$3,679.53**
GLX-HYDVESSUVO	Vessel Body, UV/Ozone with Unions	**2,318.74**
GLX-HYDXFMR	Power Tranformer	**361.81**
GLX-HYDPCB	Interconnect PCB	**968.94**
GLX-HYDFUSE	PCB Fuse Kit *(Quantity of 10)*	**44.72**
GLX-HYDBALLAST	Ballast with Cable Harnesses	**904.75**
HYXSLACA	UV Lamp Cable	**Discont'd**
HYXSFANA	Fan Assembly	**Discont'd**
GLX-HYDSLEEVE	Stainless Steel Sleeve with O-Ring	**896.89**
GLX-HYDMAN	Ozone Manifold and Interlock Switch	**244.90**
HYX2DQSA	Quartz Sleeve Assembly	**Discont'd**
GLX-HYD-LAMPUVO	Residential Lamp, Ozone Producing	**348.34**
GLX-HYDVENKIT	Venturi Tube Kit	**302.69**
GLX-HYDVEN	2" Venturi, Residential	**820.90**
ECX12S	2" PVC Pipe Connector Socket	**67.50**
ECX12T	2" PVC Pipe Connector Threaded	**62.28**
TBX122	2" PVC Union Nut	**44.27**
BSX1CAP2	2" PVC Port Cap	**58.78**
BSX1PLUG2	PVC Vessel Drain Plug	**47.14**
SB2KIT	Vessel O-Ring Kit	**53.78**
GVA-24	Valve Actuator	**329.43**
PSV3S2	3-Port Diverter Valve	**114.42**

AQUACONNECT®

Part No.	Description	List Price
GLX-HOMENET-PS	Replacement Power Supply for AQ-CO-HOMENET	**$93.89**

SALT CHLORINATOR CELLS (for AquaRite®, AquaRite® Pro, AquaPlus®, ProLogic®, AquaLogic®)

Part No.	Description	List Price
CCELL	AQR100 Replacement Cell, 30K gallons, 3 year warranty	**$1,192.98**
GLX-CELL-3-W	TurboCell®, 15K gallons, 1 year warranty	**793.13**
GLX-CELL-5-W	TurboCell, 20K gallons, 1 year warranty	**1,081.76**
GLX-CELL-9-W	TurboCell, 25K gallons, 1 year warranty	**1,258.70**
GLX-CELL-15-W	TurboCell, 40K gallons, 1 year warranty	**1,742.76**
TCELL925-W	Warranty Cell for TCELL925, 1 year warranty	**1,293.30**
TCELL940-W	Warranty Cell for TCELL940, 1 year warranty	**1,725.77**
GLX-CELL-PIPE	Straight Pipe Placeholder for TurboCell	**82.29**
GLX-CELL-UNION	2" Cell Union Kit (1 each of nut, tailpiece, O-Ring)	**44.64**
GLX-CELL-5	TurboCell, 20K gallons, 3 year warranty	**1,055.56**
GLX-CELL-15-25	TurboCell, 40K gallons, 3 year warranty, 25 ft. cord	**Discont'd**
GLX-CELLSTAND	Cleaning Stand for TurboCells	**58.18**
GLX-UNION-ORING	TurboCell Union O-Ring *(pack of 12)*	**23.76**
TCELLS315W	TurboCell S3 Salt Cell, 15K gallons, Warranty Replacement	**733.10**
TCELLS318W	TurboCell S3 Salt Cell, 18K gallons, Warranty Replacement	**1,034.85**
TCELLS325W	TurboCell S3 Salt Cell, 25K gallons, Warranty Replacement	**1,249.39**
TCELLS340W	TurboCell S3 Salt Cell, 40K gallons, Warranty Replacement	**1,691.94**

COMMON REPLACEMENT PARTS

Part No.	Description	List Price
GLX-DRK	Rectifier Upgrade	**$107.26**
GLX-FLO-RPPAK10	Replacement Flow Switch *(Pack of 10)*	**1,255.70**
GLX-FLO-RP	Flow Switch (15' cable, no tee)	**252.19**
GLX-FLO-RP-25	Flow Switch (25' cable, no tee)	**236.90**
GLX-FLO-T	Tee for Flow Switch	**42.30**
GLX-XFMR	Transformer	**360.43**
GLX-R-10PK	Rectifier *(10 pack)*	**Discont'd**
HLX08A10PK	Fuse Kit, 8A *(10 pack)* (for use with OmniLogic®)	**104.30**
GLX-F4A-PAK10	Fuse Kit, 4A/Pink *(10 pack)* (for use with OmniLogic)	**98.02**
GLX-F5A-PAK10	Fuse Kit, 5A/Brown *(10 pack)* (for use with OmniLogic)	**100.76**
GLX-F20-10PK	Fuse Kit, 20A *(10 pack)* (for AquaRite/TroI before 11/04)	**91.92**
GLX-F20A-10PK	Fuse Kit, 20A/yellow *(10 pack)* (all AquaLogic/Rite/TroI after 11/04)	**111.62**
GLX-F3A-10PK	Fuse Kit, 3A/violet *(10 pack)* (AquaLogic only)	**111.62**
GLX-FUSE-20	Fuse Holder Kit (fuse holder and wires for Rite/TroI before 11/04)	**Discont'd**
GLX-PC-12-KIT	Temperature Sensor with 15' leads and hose clamp	**84.65**
GLX-RF-EXTEND	AQL2-BASE-RF extension 50'	**215.87**
GLX-RELAY	Relay, 3 H.P.	**174.82**
GLX-PWR-B	Power Supply, wall plug-in, for wireless remote – X = B (Black)	**71.83**
GLX-GVA-4SCR	Screws (4) for mounting GVA-24 Valve Actuator	**28.76**
GLX-FLO	Flow Switch (15' cable with tee)	**237.44**
GLX-FLO-25	Flow Switch (25' cable with tee)	**272.35**
GLX-TLOUTLET-20	120V/15 amp Twist Lock Pump Outlet	**Discont'd**

(continues)

COMMON REPLACEMENT PARTS (CONT.)

Part No.	Description	List Price
GLX-OUTLET-15A	120V/15 amp Pump Outlet	**$101.52**
GLX-POD-CHGR	Battery Charger for AquaPod	**132.69**
GLX-CELLTST-STD	Stand for Cell Tester	**922.18**
GLX-CELL-TESTER	Tester for all TurboCell Electrolytic Cells	**1,786.17**
GLX-SS-RF	Wireless Spaside Remote Control	**769.62**
GLX-STDOFFPAK20	Display Standoff *(Pack of 20)*	**23.49**
GLX-ACT-CONN	Actuator Connector Plug Kit	**17.11**

HYDRAPURE® SPARE PARTS

Part No.	Description	List Price
005422901700	Lamp UV (1 piece)	**$164.51**
005422901500	Lamp UV (2 piece) with Boot and O-Ring	**356.74**
005422510200	Nut and Washer UV	**90.39**
005422200909	Quartz Tube with O-Ring and Cushion	**142.81**
005422427100	Boot F/2 Lamp	**6.03**
005422510300	Seal Kit Quartz Tube	**43.39**
005952123000	Lamp Only (1 piece) O3	**155.47**
005252829000	Check Valve Swing 5 lbs. with Springs, No Body	**171.13**
005952125000	Tubing 3/8 x 24 Flexelene	**13.40**
005252164000	Plug 2" with O-Ring Pack	**29.92**
005402250600	Check Valve 2 lbs. 1/4 NPT x 3/8 Comp	**44.66**
005401250300	Check Valve 3 lbs. 1/4 NPT x 3/8 Comp	**44.66**
005401250400	Check Valve 4 lbs. 1/4 NPT x 3/8 Comp	**44.66**
005402250500	Check Valve 1 lb. 1/4 NPT x 3/8 Comp	**44.66**
005952291500	Plug Drain 1/2" with O-Ring Pack	**5.35**
005952832500	Screw Panel/Lid (16 + 4 Pack)	**4.28**
005252832000	Union 2.5 Kit (1 piece) with O-Ring	**33.76**
005252831500	Oring 2-232 F/ 2.5" Union *(pack of 4)*	**4.83**
005952140100	Lid Top with Membrane Switch and Screws	**201.90**
005952147100	Cable Ribbon F/Membrane Switch	**84.53**
005952157000	Ballast with Wires, Ozone	**159.09**
005422386500	Ballast with Wires, UV	**265.16**
005952150100	Board with Tubes and Sensor	**609.84**
005952158100	Wire Harness	**86.65**

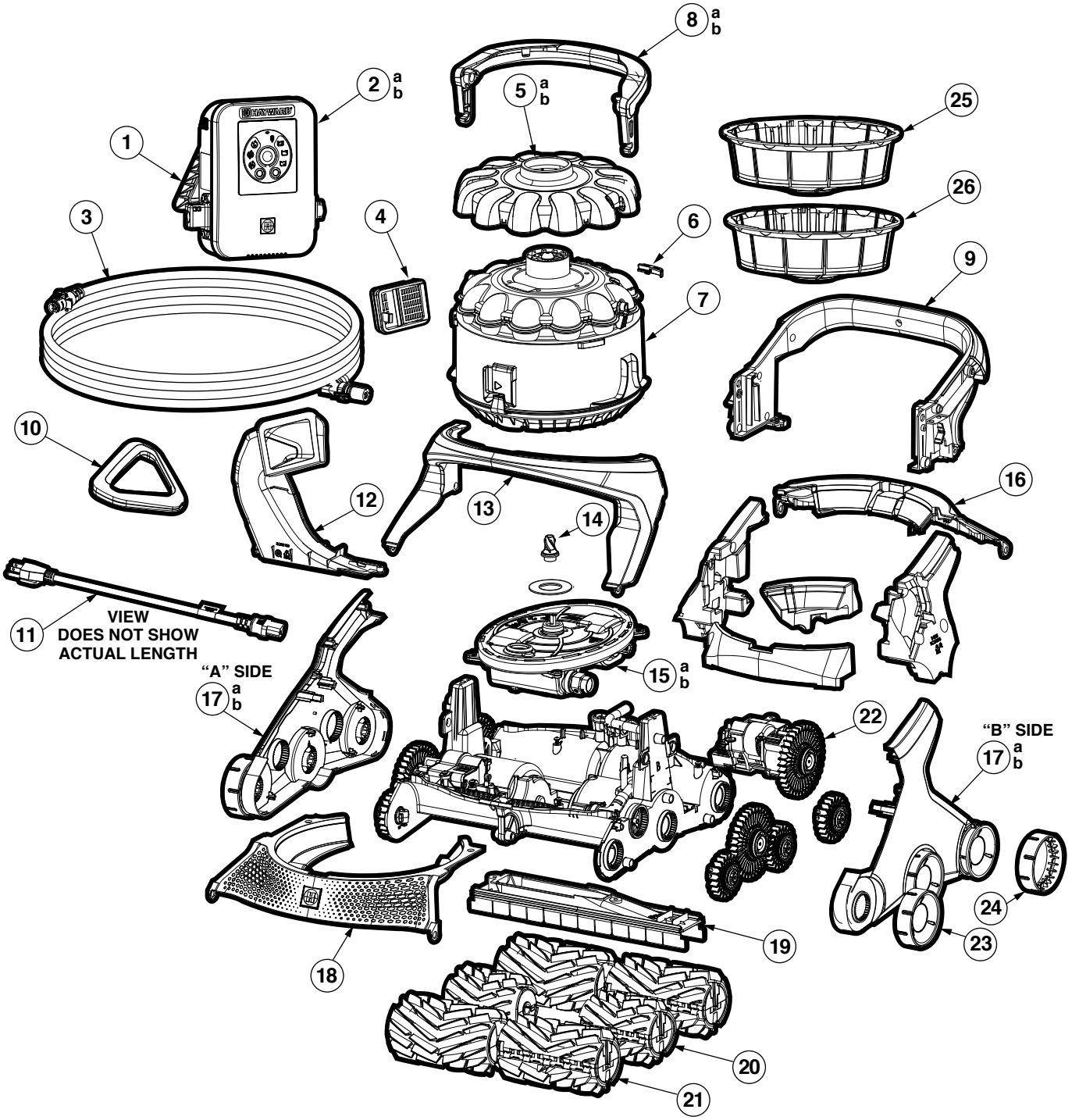
HYDRAPURE® 2.0 SPARE PARTS

HYDRASCREWPK	Screw Pack Replacements	**$3.75**
HYDRAMEMBRANE	Membrane Switch + Ribbon Cable Replacement	**75.00**
HYDRAORINGS	O-Ring Kit (All Pieces)	**18.75**
HYDRAPCBA	Board with Tubes and Sensor	**150.00**
HYDRAHARNESS	Wire Harness	**75.00**
HYDRACHKVLVBP	Bypass Butterfly Check Valve and Spring	**11.87**
HYDRACHKVLV2	Check Valve 2 lb.	**31.25**
HYDRACHKVLV3	Check Valve 3 lb.	**31.25**
HYDRACHKVLV4	Check Valve 4 lb.	**31.25**
HYDRACHKVLVOEM	Check Valve 1.5 lb. OEM	**12.50**

AquaVac® 6 Series – 600 Model

ROBOTIC CLEANERS REPLACEMENT PARTS

Parts Diagram



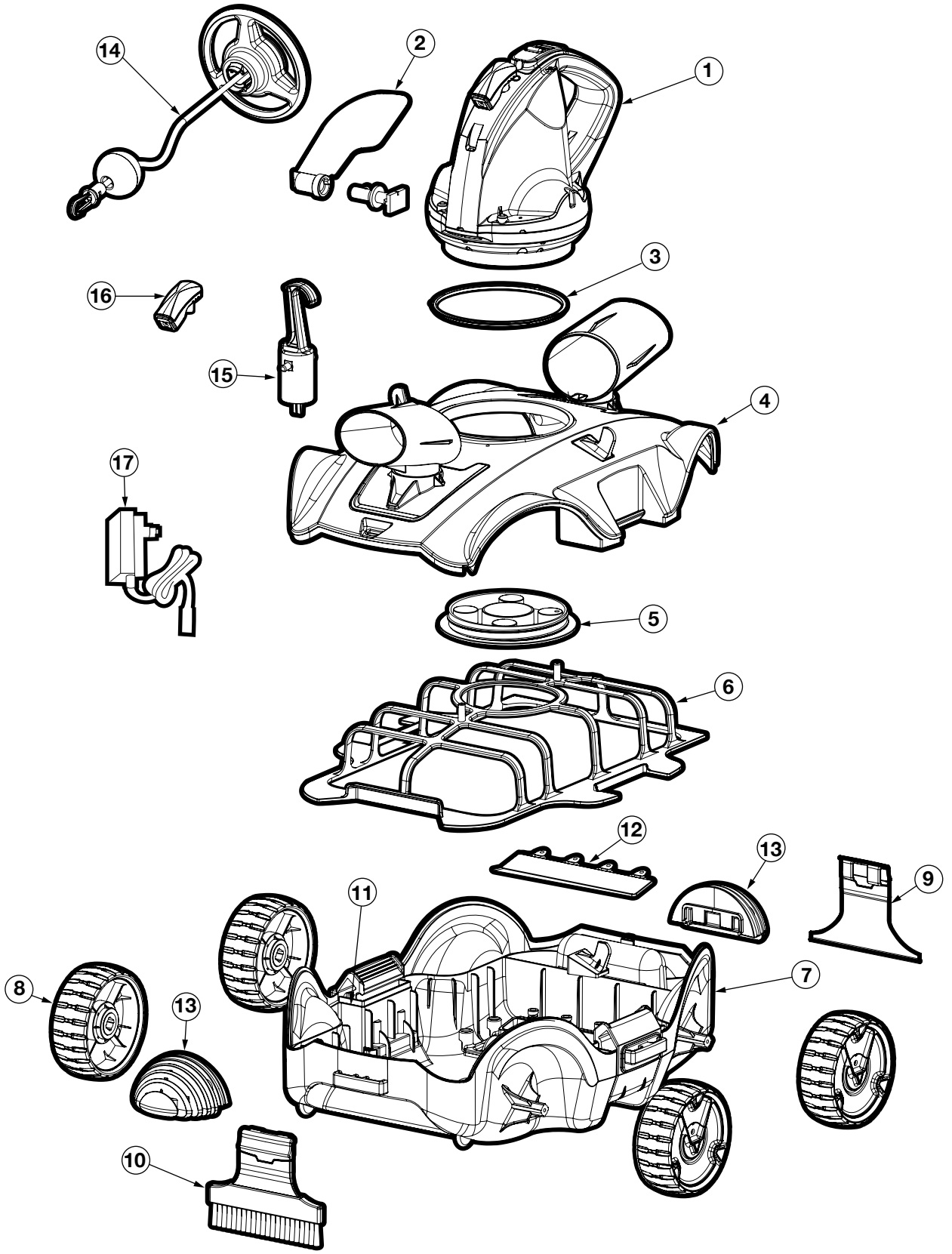
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	RCX361178234	Power Supply Kickstand, Blue	5	**$11.33**
2a	RCX361480W	Power Supply Av650, WiFi	1	**807.93**
2b	RCX361470	Power Supply Av600, No WiFi	1	**783.63**
3	RCX361191	55 ft. Floating Cable	1	**252.16**
4	RCX361182	Cyclone Check Valve Assembly	5	**17.56**
5a	RCX361126234	Cyclone Cosmetic Top, 650, Blue	5	**31.00**
5b	RCX361126237	Cyclone Cosmetic Top, 600, Gray	5	**31.00**
6	RCX361453	Canister Twist Lock	10	**4.31**
7	RCX361140KIT234	Cyclone Assembly Kit	1	**240.27**
8a	RCX361300236	Cyclone Handle Assembly, 650, Black	5	**37.70**
8b	RCX361300234	Cyclone Handle Assembly, 600, Blue	5	**37.70**
9	RCX36131519237	Shell Rear Handle Cover Assembly, Gray	1	**97.01**
10	RCX361210236	Cord Handle Assembly, Black	5	**52.03**
11	RCX361250U	Power Supply Cord, US	1	**32.92**
12	RCX361103236	Vacuum Inlet Top Assembly, Black	1	**69.63**
13	RCX361331782237	Shell Front Handle Assembly, Gray	1	**84.21**
14	RCX361134	Pump Motor Shaft Coupling	10	**11.50**
15a	RCX36111060X	Motor Box Assembly	1	**681.93**
15b	RCX36111065X	Motor Box Assembly, WiFi	1	**724.19**
16	RCX36131649236	Shell Rear Cover Assembly, Black	1	**76.38**
17a	RCX36131314D237	Shell, Side Panel A/B Dec 600, (Includes Side A & B)	1	**115.51**
17b	RCX361313141237	Shell, Side Panel A/B Dec 650, (Includes Side A & B)	1	**115.51**
18	RCX361318236	Shell Front Cover, Black	1	**79.04**
19	RCX361109WS239	Vacuum Inlet Bottom	5	**58.36**
20	RCX36329222239	Middle Short Brush Assembly, Dark Gray *(Set of 2)*	6	**79.41**
21	RCX36132337239	Front/Back Long Brush Assembly, Dark Gray *(Set of 2)*	6	**83.00**
22	RCX361117218	Gear Box Assembly, Gray	1	**108.66**
23	RCX36140311234	Wheel Assembly Kit, Blue (Includes Tread) *(Set of 2)*	6	**36.07**
24	RCX361404234PK6	Wheel Tread Kit, Met Blue *(6 Pack)*	6	**38.02**
26	RCX361141243	Standard Debris Mesh	5	**70.13**
27	RCX361511243	Fine Debris Mesh	1	**74.43**
—	RCX361430KIT	Foam Kit Assembly	1	**68.13**
—	RCX361121PK4	Screw Pack, Torx #8-16 x .50 (*4 Pack)*	10	**10.83**
—	RCX36128586236	Caddy Handle, Black	1	**165.02**
—	RCX361294KIT	Caddy Wheel Kit *(Set of 2)*	1	**76.58**

AquaVac® 250Li

CORDLESS ROBOTIC CLEANER

Parts Diagram



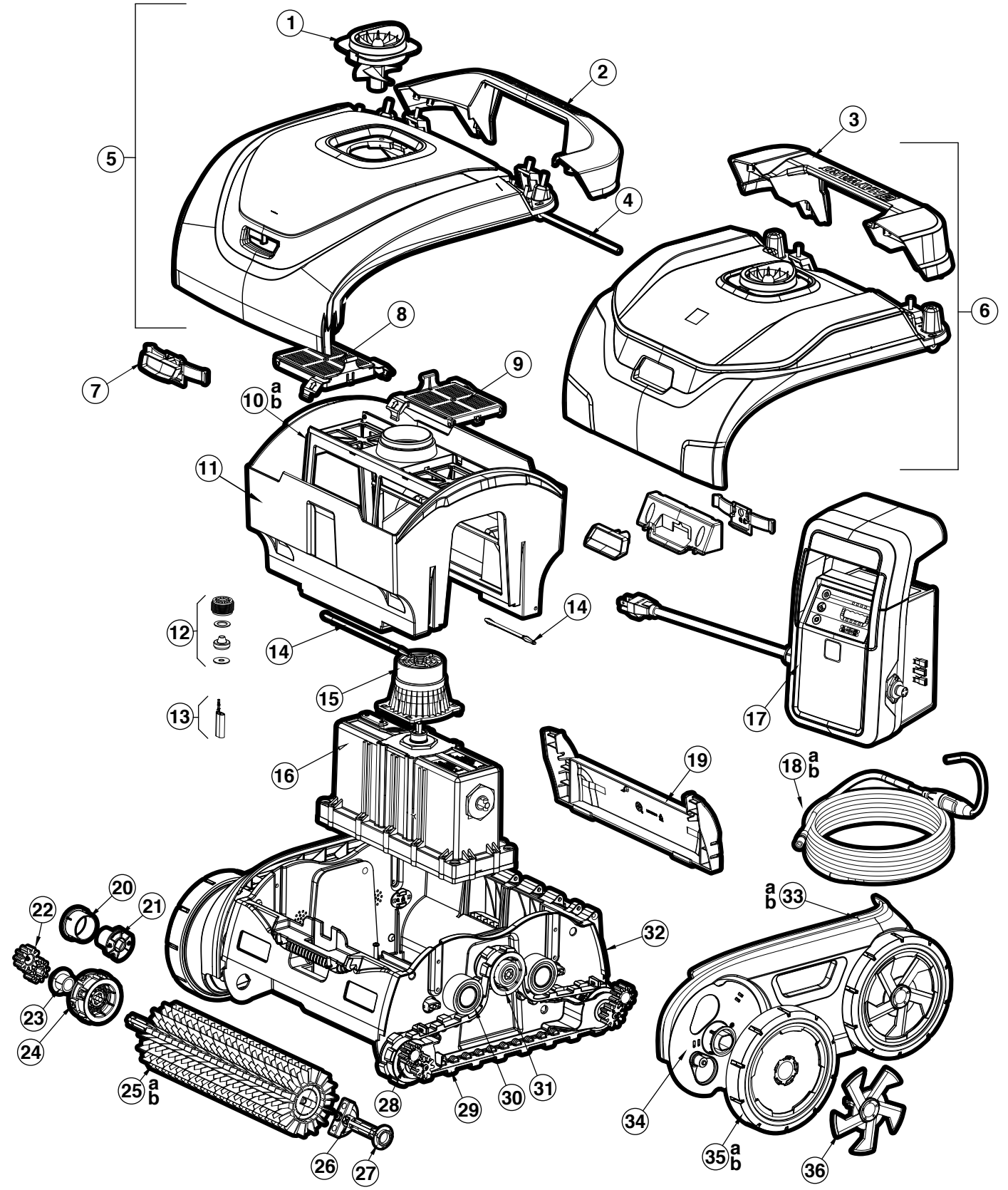
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	RCX20ASM05U	(US) Swivel Head (with flap + ring + scew plate)	4	**$255.78**
2	RCX203007	Side Flap (with side pin)	24	**4.31**
3	RCX203508004	Swivel Smooth-Ring	30	**19.03**
5	RCX203505005	Swivel Head Bottom Screw Plate	16	**6.40**
4	RCX20ASM03	Top Cover	4	**118.29**
6	RCX203509	Filter Cover	4	**63.92**
7	RCX2035ASM06	Whole Base Unit	4	**110.85**
8	RCX203012	Wheel (with screw and washer) 1 pc	10	**35.19**
9	RCX2032ASM10	Clip-on Rake	10	**31.47**
10	RCX2032ASM10	Clip-on Brush	10	**31.47**
11	RCX2035ASM04	Drainage Outlet Flap (with screws)	30	**13.76**
12	RCX2035ASM04	Suction Mouth Flap (with screws)	30	**13.76**
13	RCX203018	Bumper x 2	8	**26.52**
14	RCX203513	Float	8	**20.02**
15	RCX203116	Hook (with V-Clip) for Telescopic Pole	20	**3.99**
16	RCX203017	Charging Base	24	**11.55**
17	RCX203017U	(US) Adaptor	10	**35.19**

AquaVac® 500

ROBOTIC CLEANER REPLACEMENT PARTS

Parts Diagram



Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	RCX341241BKKIT	Impeller Kit Nozzle, Black	5	**$17.83**
2	RCX341107236	Handle Assembly, Black Met	1	**46.12**
3	RCX341203236	Handle #2 Assembly, Black Met	1	**46.12**
4	RCX97429	Hood Hinge Axle	10	**10.29**
5	RCXHD1CAV500	Hood Assembly, Gray/Black, AV500	1	**205.31**
6	RCXHD2AAV500C	Hood Assembly, Gray2, AV500C	1	**205.31**
7	RCX341108BK	Button Assembly, Black Met	5	**21.69**
8	RCX97417*	Door Filter	1	**10.42**
9	RCX97417SPAK2*	Door Filter Element *(Set of 2)*	1	**10.24**
10a	RCX70103PAK2*	Filter Cartridges *(Set of 2)*	5	**29.18**
10b	RCX70103PAK2*	Spring Cleanup Filters *(Set of 2)*	5	**29.18**
11	RCX97414*	Filter Bucket Assy SV/EV	1	**106.89**
12	RCX59004KIT	Motor Cord Seal Kit (No RTV Sealant Required)	5	**14.38**
13	RCX59002KIT**	Motor Cord Connector Kit	5	**5.93**
14	RCX974057KIT	Drain Flap Kit	5	**23.37**
15	RCX97455	Impeller Cover Kit	10	**8.22**
16	RCX341195	Motor Assembly	1	**839.99**
17	RCX341161A	Power Supply Assembly	1	**831.22**
18a	RCX341190	60 ft. Cord Assembly with Swivel	1	**587.50**
18b	RCX341190A	75 ft. Cord Assembly with Swivel	1	**641.45**
19	RCX341103BK	Rear Panel, Black Met	1	**26.64**
20	RCX341109PAK2	Wheel Bushing Kit *(Set of 2)*	5	**7.71**
21	RCX341111PAK2	Wheel Hub Kit *(Set of 2)*	5	**7.02**
22	RCX341145KIT	Wheel Drive Gear Kit	5	**11.43**
23	RCX97506PAK2	Roller Bushing Kit *(Set of 2)*	5	**34.69**
24	RCX97509PAK2	Drive Wheel Kit *(Set of 2)*	5	**57.77**
25a	RCX26008	Roller Brush	5	**37.33**
25b	RCX26011WCE	Foam Roller Assembly	5	**107.75**
26	RCX97507PAK2	Roller Wheel Shaft *(Set of 2)*	5	**16.92**
27	RCX97435PAK2	Roller Shaft Bushing Kit *(Set of 2)*	5	**13.94**
28	RCX97505PAK2	Drive Track Wheel Kit *(Set of 2)*	5	**20.34**
29	RCX97501GR	Drive Track Belt	5	**36.91**
30	RCX26000PAK2	Pulley Bearing Kit *(Set of 2)*	5	**29.23**
31	RCX97502KIT	Drive Shaft and Bearing Kit	5	**74.34**
32	RCX341142-236	Base, Black Met	1	**104.80**
33a	RCX341101BK	Left/Right Side Cover, Black Met	1	**43.04**
33b	RCX341101GR3	Left/Right Side Cover, Gray 3	1	**39.13**
34	RCX341127BK	Wheel Shield Black Met	5	**9.01**
35a	RCX341113BKBL	Wheel Rim and Tire, Black/Blue	5	**72.02**
35b	RCX341113GR4BK	Wheel Rim and Tire, Gray4/Black	5	**72.02**
36	RCX341223237PK4	Wheel Style and Axle Plug, Gray Met	5	**32.55**

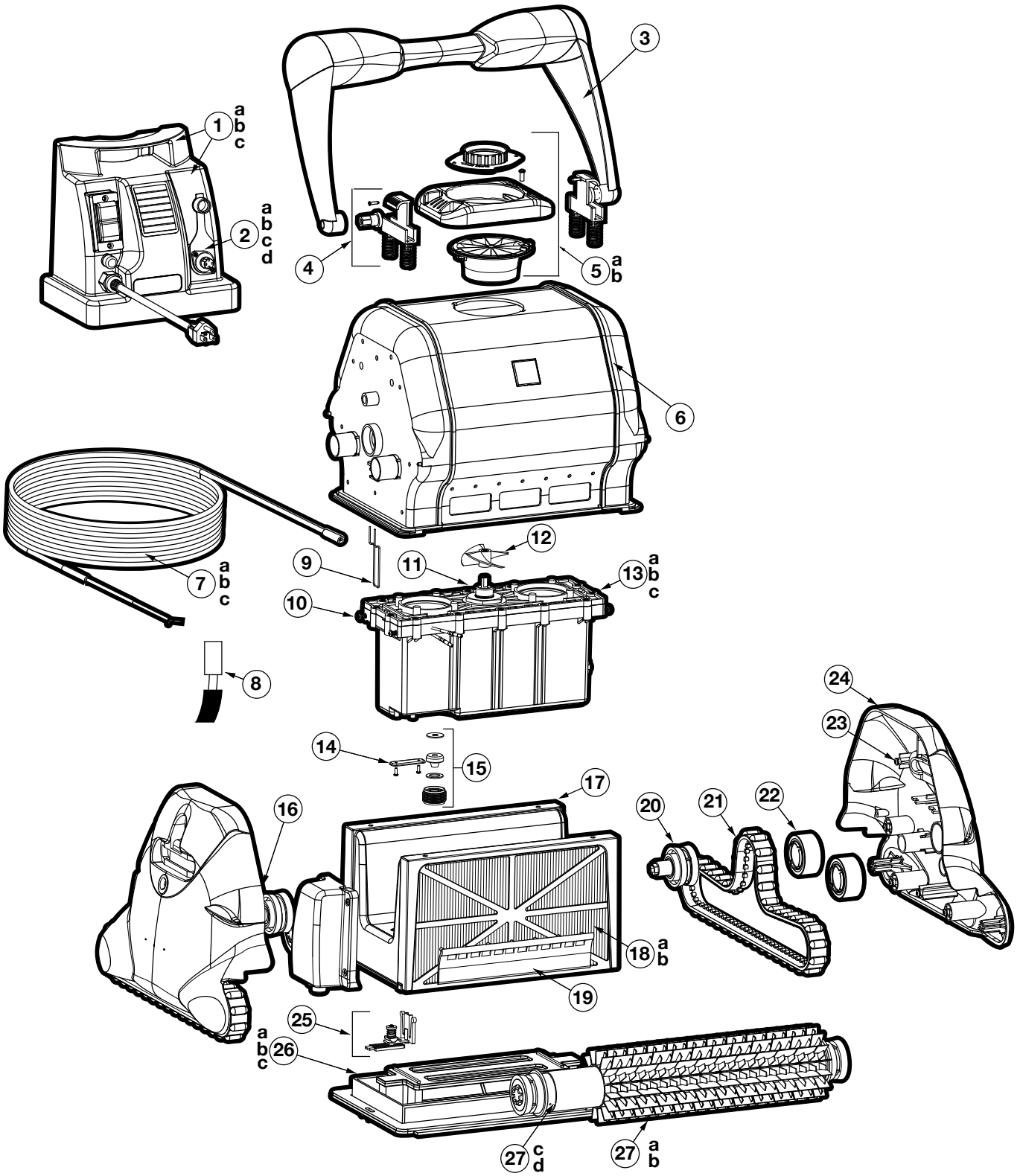
NOTES: *Available while supplies last

**Limited quantity available

TigerShark®, TigerShark® QC, TigerShark® Plus

REPLACEMENT PARTS

Parts Diagram



Parts Listing

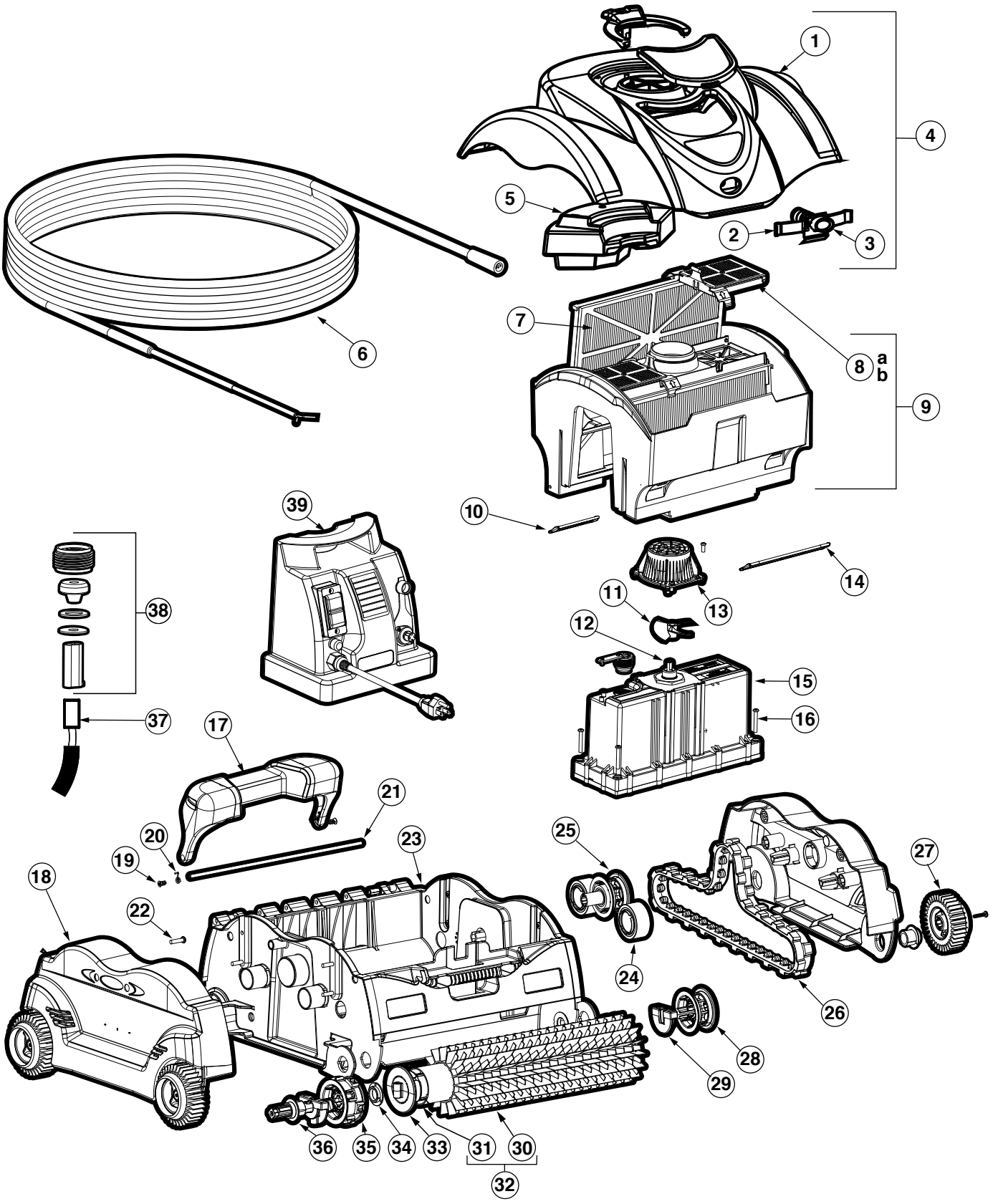
Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1a	RCX97453	Power Supply-110 VAC, TigerShark	1	**$462.86**
1b	RCX30000RC	Power Supply-110 VAC, TigerShark Plus	1	**807.88**
1c	RCX97453QC	Power Supply-110 VAC, TigerShark Quikclean	1	**529.27**
2a	RCX31013A	Power Supply Circiut Breaker 3A	50	**13.15**
2b	RCX31012	Power Supply Switch 16A	50	**6.99**
2c	RCX31012A	Power Supply Switch Membrane Cover	50	**20.19**
2d	RCX31018	Power Supply Output Connector	50	**48.70**
3	RCX76008-234	Handle Assembly – TS, TS Plus, TSQC, Blue	5	**67.42**
4	RCX14000KIT	Handle Arm Slide Kit	10	**27.13**
5a	RCX11208	Venturi Assembly, New Style	10	**34.69**
5b	RCX11208BK	Venturi Assembly, Black	1	**34.69**
6	RCX13001C	Main Case, TS, TSP, TSQC	1	**138.68**
7a	RCX50061	Floating Cord Assembly – 55 ft. (TS, TSQC)	1	**236.45**
7b	RCX50110	Floating Cord Assembly – 100 ft. (TS2)	1	**415.86**
7c	RCX50070*	*Floating Cord Assembly – 55 ft. (TS Plus)*	1	**498.84**
8	RCX59006	Connector Socket, Molex	50	**2.88**
9	RCX11400	Clip, Lid *(Set of 2)*	10	**6.48**
10	RCX12001	Screw, M4X12 T-20 *(Set of 5)*	10	**4.97**
11	RCX40117	Drive Pin Assembly	50	**15.14**
12	RCX11000	Impeller	10	**16.33**
13a	RCX40000DC	Motor Unit, 4 hr. for TigerShark DC	1	**764.05**
13b	RCX43000	Motor Unit, 4 hr. for TigerSharkQC DC	1	**882.93**
13c	RCX40000RC*	Motor Unit, 4 hr. for TigerShark Plus DC	1	**937.00**
14	RCX59007	Plate-Cover, Strain Relief	10	**6.92**
15	RCX59004KIT	Motor Cord Seal Kit	5	**14.38**
16	RCX26001	Roller Bearing Guide	10	**43.73**
17	RCX70100	Filter Cartridge Assembly, Frame and Filters	1	**133.19**
18a	RCX70101PAK2	Filter Cartridges *(Set of 2)*	5	**88.22**
18b	RCX70103PAK2	Spring Cleanup Filters *(Set of 2)*	5	**29.18**
19	RCX17100	Flap Drain, TS *(Set of 2)*	20	**14.04**
20	RCX26002	Bearing, Drive Pulley Assembly (Includes RC260031 insert)	10	**44.08**
21	RCX23002	Drive Track, Soft Tread	5	**50.33**
22	RCX26000PAK2	Pulley Bearing Kit *(Set of 2)*	5	**29.23**
23	RCX12011	Screw M5X20 Pan TORX HD T-20	10	**6.70**
24	RCX97201	Side Cover, TS (Right and Left)	1	**30.06**
25	RCX75003KIT	Locking Plate Kit	10	**44.37**
26a	RCX75000-236	Bottom Lid Assembly, Black	7	**88.79**
26b	RCX78005	Bottom Lid Filter Gasket	10	**29.18**
26c	RCX75005	Inlet Flap	10	**6.03**
27a	RCX26008	Roller Brush	5	**37.33**
27b	RCX26012	Foam Roller Assembly	5	**92.02**
27c	RCX26003	Wheel Tube Assembly without Brush	9	**88.13**
27d	RCX26005S	Bearing-Wheel Tube Slotted	10	**35.68**
—	RCX17000	High Velocity Inlet	10	**12.73**
—	RCX40209*	Hand-Held Wireless Remote (2007 and Prior) 418 Mhz	1	**294.64**
—	RCX40215*	Hand-Held Wireless Remote (2008 – present) 433 Mhz	10	**294.64**
—	RCX42000*	Solenoid Assembly for Remote (TS Plus)	1	**251.79**

*While supply last

SharkVac XL™

ROBOTIC POOL CLEANER REPLACEMENT PARTS

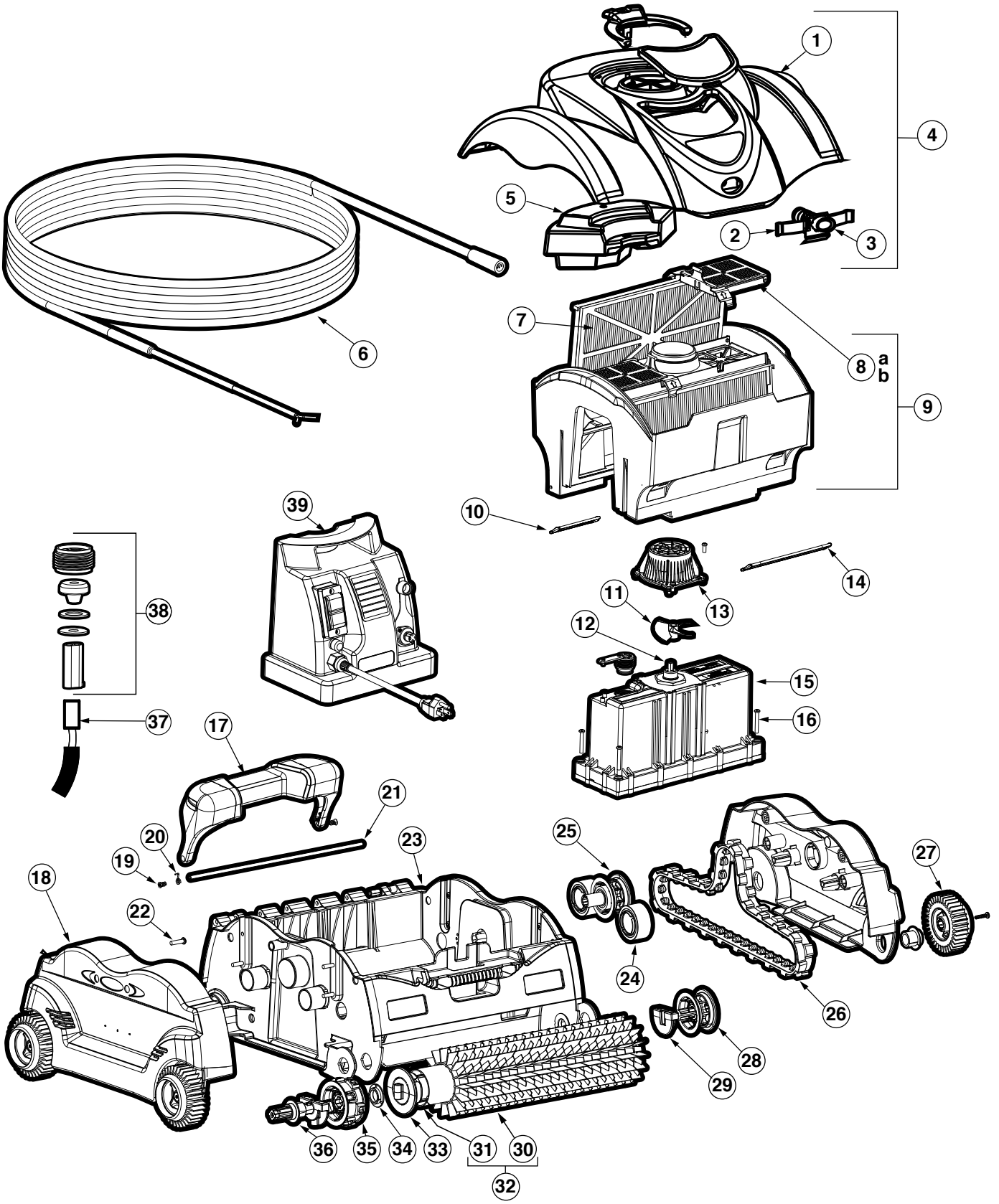
Parts Diagram



Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	RCX97470SB-237	Dome, SV XL Gray Met	1	**$77.81**
2	RCX341149	Spring, Flat SV/EV	1	**5.61**
3	RCX97433	Button SV	1	**6.48**
4	RCX97471SB-237	Dome Assembly, SV Gray (Includes 1,2,3,4,5)	1	**254.04**
5	RCX97477	Float Assembly SV XL/ EV Pro	1	**108.17**
6	RCX97413	Cord, Assembly 50' SV/EV	1	**155.64**
7	RCX70101PAK2	Filter Cartridges *(Set of 2)*	5	**88.22**
—	RCX70103PAK2	Spring Cleanup Filters *(Set of 2)*	5	**29.18**
8a	RCX97417	Door, Filter	1	**10.42**
8b	RCX97417SPAK2	Door, Filter Element *(Set of 2)*	1	**10.24**
9	RCX97414	Filter Bucket Assembly SV/EV (Includes 10,11,12)	1	**106.89**
10	RCX97405	Flap, Drain Small SV	1	**6.48**
11	RCX11000	Impeller	10	**16.33**
12	RCX40117	Drive Pin Assembly	50	**15.14**
13	RCX97455	Tube Vent	10	**8.22**
14	RCX97407	Flap, Drain Large SV	1	**12.11**
15	RCX97490	Motor Assembly SV/EV	1	**1,157.89**
16	RCX97461	Screw M5X35MM PT *(Set of 5)*	10	**14.95**
17	RCX97480SB-234	Handle Assembly SV, Blue	1	**90.61**
18	RCX97403XL-236	Panel, Side SV XL, Black	1	**36.54**
19	RCX97423	Bushing, Dome, SV *(Set of 2)*	5	**6.65**
20	RCX97427	Spring, Handle	25	**6.65**
21	RCX97459	Screw M7X10MM Flat TORX *(Set of 5)*	5	**19.28**
22	RCX97429	Shaft, Hinge S.S. SV/EV	10	**10.29**
23	RCX12011	Screw M5X20 Pan TORX HD T-20	10	**6.70**
24	RCX26000PAK2	Pulley Bearing Kit *(Set of 2)*	5	**29.23**
25	RCX97502GR	Drive Bearing Assembly	5	**44.08**
26	RCX97501GR	Drive Track, Soft Tread	5	**36.91**
27	RCX97508GR	Wheel Rim with Tire SV	5	**14.21**
28	RCX97505PAK2	Drive Track Wheel Kit SV *(Set of 2)*	5	**20.34**
29	RCX97507PAK2	Roller Wheel Shaft SV *(Set of 2)*	5	**16.92**
30	RCX26008	Roller Brush	5	**37.33**
31	RCX97520ABK	Tube Wheel, SharkVac, Black	1	**24.50**
32	RCX97410	Tube Wheel Assemby SV	5	**59.64**
33	RCX97441	Roller End SV	10	**15.91**
34	RCX97435PAK2	Roller Shaft Bushing Kit *(Set of 2)*	5	**13.94**
35	RCX97509PAK2	Drive Wheel Kit	5	**57.77**
36	RCX97506PAK2	Roller Bushing Kit *(Set of 2)*	5	**34.69**
37	RCX59006	Connector Socket Molex	50	**2.88**
38	RCX59004KIT	Motor Cord Seal Kit	5	**14.38**
39	RCX97453	Power Supply SV	1	**462.86**
—	RCX31013A	Power Supply Circuit Breaker 3A	50	**13.15**
—	RCX31012	Power Supply Switch 16A	50	**6.99**
—	RCX31012A	Power Supply Switch Membrane Cover	50	**20.19**
—	RCX31018	Power Supply Output Connector	50	**48.70**

Parts Diagram



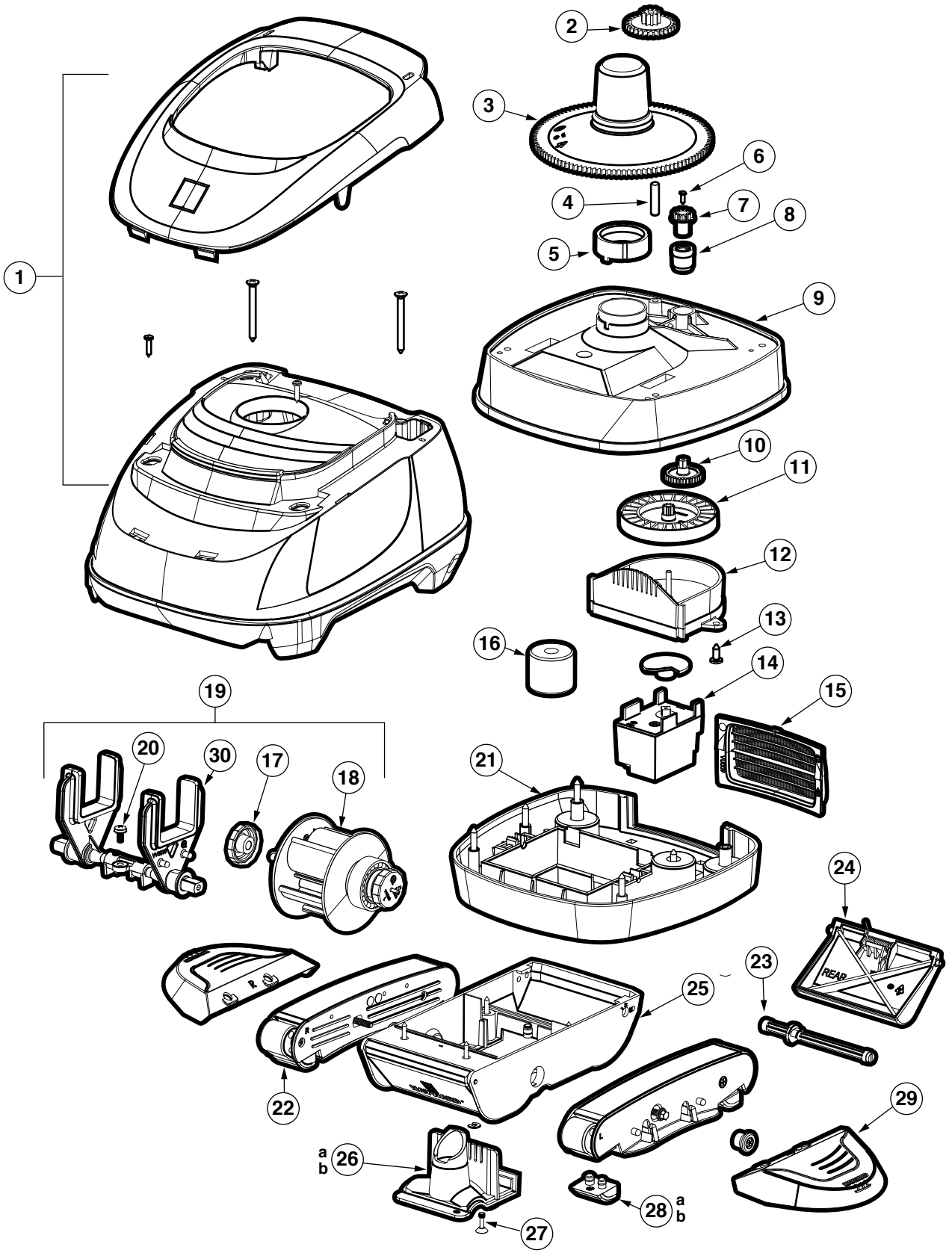
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	RCX97421	Window, Dome Clear SV	1	**$8.89**
2	RCX341149	Spring, Flat SV/EV	1	**5.61**
3	RCX97433	Button SV	1	**6.48**
4	RCX97423	Bushing, Dome, SV	5	**6.65**
5	RCX97418-237	Dome Assembly, SV Gray (Includes 1,2,3,4,5)	1	**132.37**
6	RCX97413	Cord, Assembly 50' SV/EV	1	**155.64**
7	RCX70101PAK2	Filter Cartridges *(Set of 2)*	5	**88.22**
8a	RCX97417	Door, Filter	1	**10.42**
8b	RCX97417SPAK2	Door, Filter Element *(Set of 2)*	1	**10.24**
—	RCX70103PAK2	Spring Cleanup Filters *(Set of 2)*	5	**29.18**
9	RCX97405	Flap, Drain Small SV	1	**6.48**
10	RCX97455	Tube Vent	10	**8.22**
11	RCX40117	Drive Pin Assembly	50	**15.14**
12	RCX11000	Impeller	10	**16.33**
13	RCX97407	Flap, Drain Large SV	1	**12.11**
14	RCX97414	Filter Bucket Assembly SV/EV (Includes 9,10,11)	1	**106.89**
15	RCX97461	Screw M5X35MM PT *(Set of 5)*	10	**14.95**
16	RCX97400	Motor Assembly SV/EV	1	**596.02**
17	RCX97425-234	Handle Assembly SV, Blue	4	**38.02**
18	RCX97403-236	Panel, Side SV, Black	1	**31.35**
19	RCX12011	Screw M5X20 Pan TORX HD T-20	10	**6.70**
20	RCX97427	Spring, Handle	25	**6.65**
21	RCX97429	Shaft, Hinge S.S. SV/EV	10	**10.29**
22	RCX341142-236	Base SV, Black	1	**104.80**
23	RCX26000PAK2	Pulley Bearing Kit *(Set of 2)*	5	**29.23**
24	RCX97502GR	Drive Bearing Assembly	5	**44.08**
25	RCX97507PAK2	Roller Wheel Shaft SV *(Set of 2)*	5	**16.92**
26	RCX97501GR	Drive Track, Soft Tread	5	**36.91**
27	RCX97509PAK2	Drive Wheel Kit	5	**57.77**
28	RCX97508GR	Wheel Rim with Tire SV	5	**14.21**
29	RCX26008	Roller Brush	5	**37.33**
30	RCX97520ABK	Tube Wheel, Black, SharkVac	1	**24.50**
31	RCX97441	Roller End SV	10	**15.91**
32	RCX97410	Tube Wheel Assemby SV	5	**59.64**
33	RCX97435PAK2	Roller Shaft Bushing Kit *(Set of 2)*	5	**13.94**
34	RCX97505GR	Wheel-Drive Belt, SV	5	**6.33**
35	RCX97506PAK2	Roller Bushing Kit *(Set of 2)*	5	**34.69**
36	RCX59006	Connector Socket Molex	50	**2.88**
37	RCX59004KIT	Motor Cord Seal Kit	5	**14.38**
38	RCX97453	Power Supply SV	1	**462.86**
—	RCX31013A	Power Supply Circiut Breaker 3A	50	**13.15**
—	RCX31012	Power Supply Switch 16A	50	**6.99**
—	RCX31012A	Power Supply Switch Membrane Cover	50	**20.19**
—	RCX31018	Power Supply Output Connector	50	**48.70**

Navigator® V-Flex™

REPLACEMENT PARTS

Parts Diagram



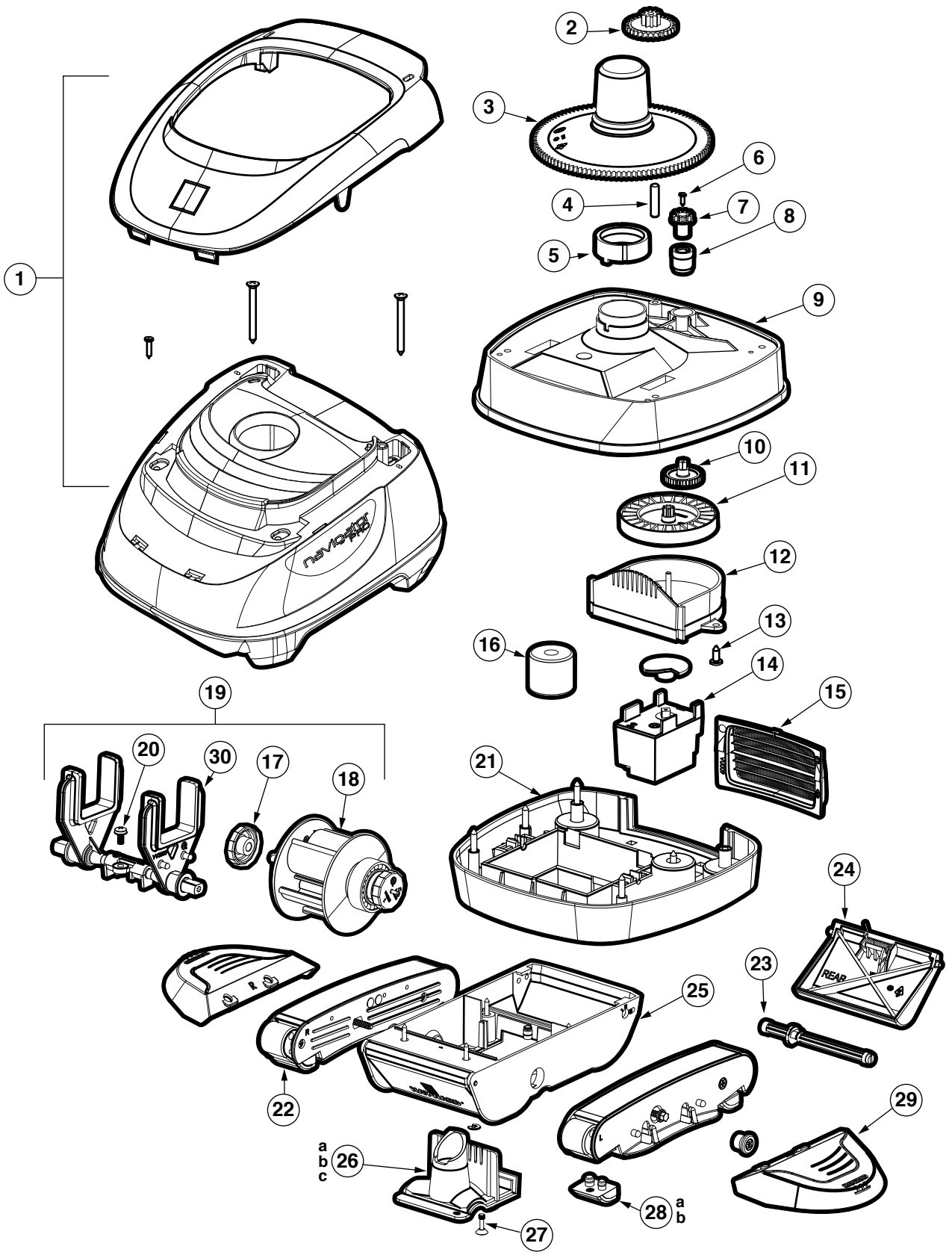
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	AXV925VFSA	Navi VFlex Shell Assembly	1	**$147.34**
2	AXV301	Inter Gear	25	**16.08**
3	AXV070	Cone Gear, Clear	10	**113.68**
4	AXV309	Inter Gear, Shaft	50	**3.20**
5	AXV306	Cone Gear Bushing	25	**16.42**
6	AXV068	Spindle Gear Screw	50	**2.88**
7	AXV303	Cone Spindle Gear	25	**16.08**
8	AXV066A	Cone Spindle Gear Bushing	25	**19.06**
9	HSXV060R237	Mid Body, Upper Housing	10	**148.28**
10	AXV064A	Medium Turbine Drive Gear	25	**19.06**
11	AXV062C	Medium Turbine	25	**28.02**
12	AXV009	Medium Turbine Case/Axle Assembly	25	**64.91**
13	AXV065P	Upper Body Screw	25	**13.74**
14	AXV408P	Gear Box Assembly	25	**30.56**
15	AXVU009-237	Screen Kit	50	**12.98**
16	AXV054FH	Float Kit	25	**36.81**
17	HSX304060	Turbine Shaft Retainer *(2 pack)*	25	**16.05**
18	HSXVV3000SAC	Turbine Kit (turbine and 2 turbine shaft retainers)	25	**78.84**
19	HSXVV3010SA	Kit, Turbine/A-Frame 5 Vane	10	**85.42**
20	AXV313	A-Frame Saddle Clip Retaining Screw	25	**11.35**
21	HSXV050C237	Lower Body Housing	10	**112.13**
22	AXV417-237	Pod Kit	25	**65.23**
23	AXV031B	Flap Adjuster	25	**17.21**
24	AXV434-237	Flap Kit (2 flaps, front and rear springs)	50	**34.55**
25	AXV230D-237	Open Lower Body	10	**60.40**
26a	HSXVV015SAC-237	Access Cover Assembly, Concrete	25	**17.63**
26b	HSXVV015SAV-237	Access Cover Assembly, Vinyl	25	**21.87**
27	AXV314P	Captive Screw with Clip	25	**5.88**
28a	AXV414P	Shoes, Concrete *(4 pack)*	25	**21.20**
28b	AXV413P	Shoes, Vinyl *(4 pack)*	25	**26.35**
29	AXV604-237	Wing Kit	50	**19.28**
30	VVX3010SA	A-Frame	10	**36.54**

Navigator® Pro

REPLACEMENT PARTS

Parts Diagram



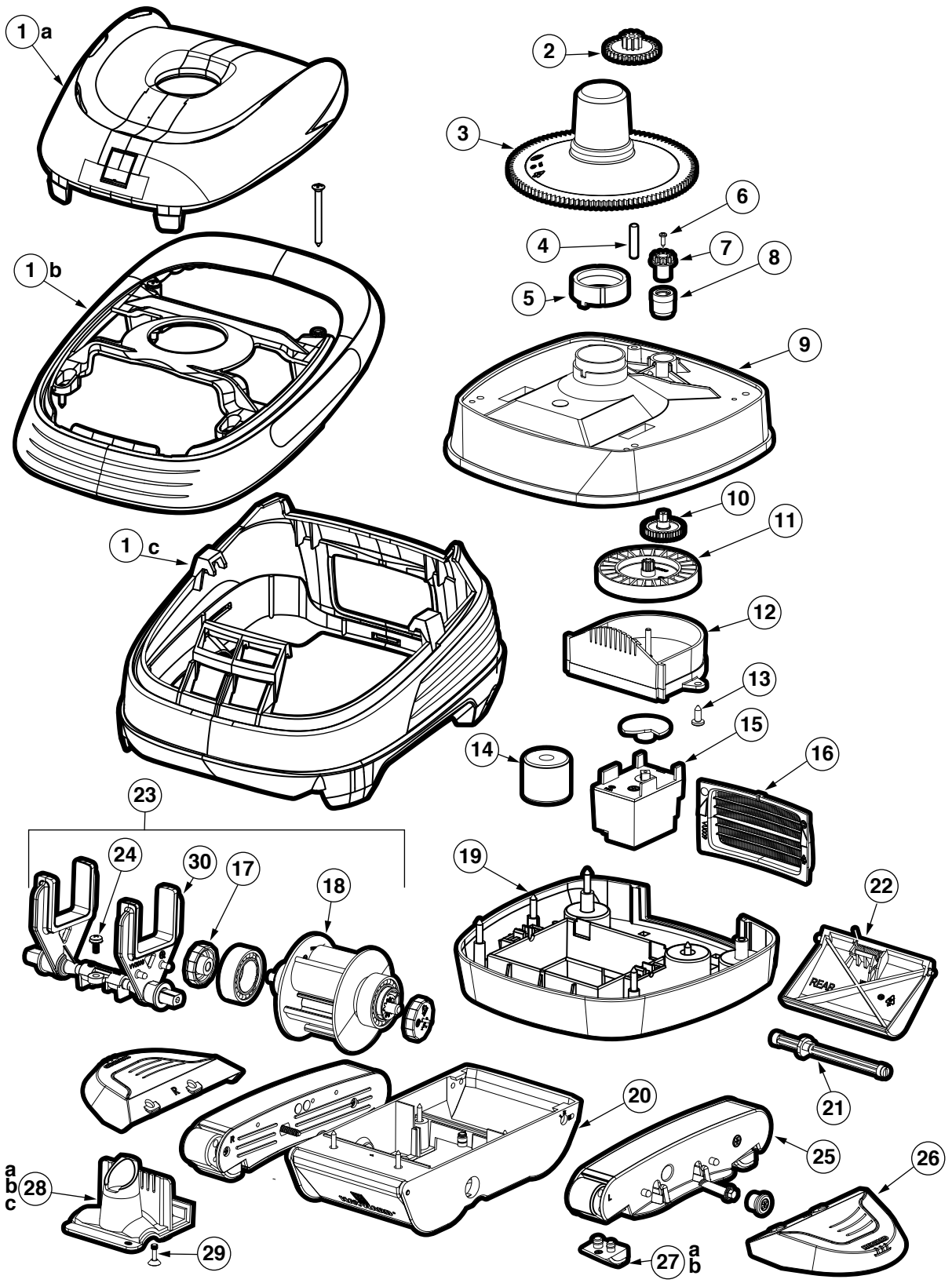
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	AXV925ADSA	Navigator Pro Shell Assembly	1	**$147.34**
2	AXV301	Inter Gear	25	**16.08**
3	AXV070	Cone Gear, Clear	10	**113.68**
4	AXV309	Inter Gear, Shaft	50	**3.20**
5	AXV306	Cone Gear Bushing	25	**16.42**
6	AXV068	Spindle Gear Screw	50	**2.88**
7	AXV303	Cone Spindle Gear	25	**16.08**
8	AXV066A	Cone Spindle Gear Bushing	25	**19.06**
9	AXV060WH	Mid Body, Upper Housing	10	**119.89**
10	AXV064A	Medium Turbine Drive Gear	25	**19.06**
11	AXV062C	Medium Turbine	25	**28.02**
12	AXV009	Medium Turbine Case/Axle Assembly	25	**64.91**
13	AXV065P	Upper Body Screw *(6 pack)*	25	**13.74**
14	AXV408P	Gear Box Assembly	25	**30.56**
15	AXVU009-237	Screen Kit	50	**12.98**
16	AXV054FH	Float Kit	25	**36.81**
17	AXV055P	Turbine Bearing *(2 pack)*	50	**22.01**
18	AXV602P	Turbine Kit (turbine and 2 turbine bearings)	25	**61.29**
19	AXV621DAT	Kit-Universal, Turbine/A-Frame	10	**79.78**
20	AXV313	A-Frame Saddle Clip Retaining Screw	25	**11.35**
21	AXV050CWH	Lower Middle Body	10	**109.92**
22	AXV417WHP	Pod Kit	25	**63.92**
23	AXV031B	Flap Adjuster	25	**17.21**
24	AXV434WHP	Flap Kit (2 flaps, front and rear springs)	50	**33.88**
25	AXV230DWH	Open Lower Body	10	**59.24**
26a	AXV603	Access Cover Assembly, Concrete	25	**17.29**
26b	AXV603A	Access Cover Assembly, Vinyl	25	**21.42**
26c	AXV603CLO	Access Cover Assembly, Concrete Large Skids	25	**17.29**
27	AXV314P	Captive Screw with Clip	25	**5.88**
28a	AXV414P	Shoes, Concrete *(4 pack)*	25	**21.20**
28b	AXV413P	Shoes, Vinyl *(4 pack)*	25	**26.35**
29	AXV604WHP	Wing Kit	50	**18.94**
30	AXV621D	Kit-Universal, A-Frame	25	**58.33**

PoolVac V-Flex™

REPLACEMENT PARTS

Parts Diagram



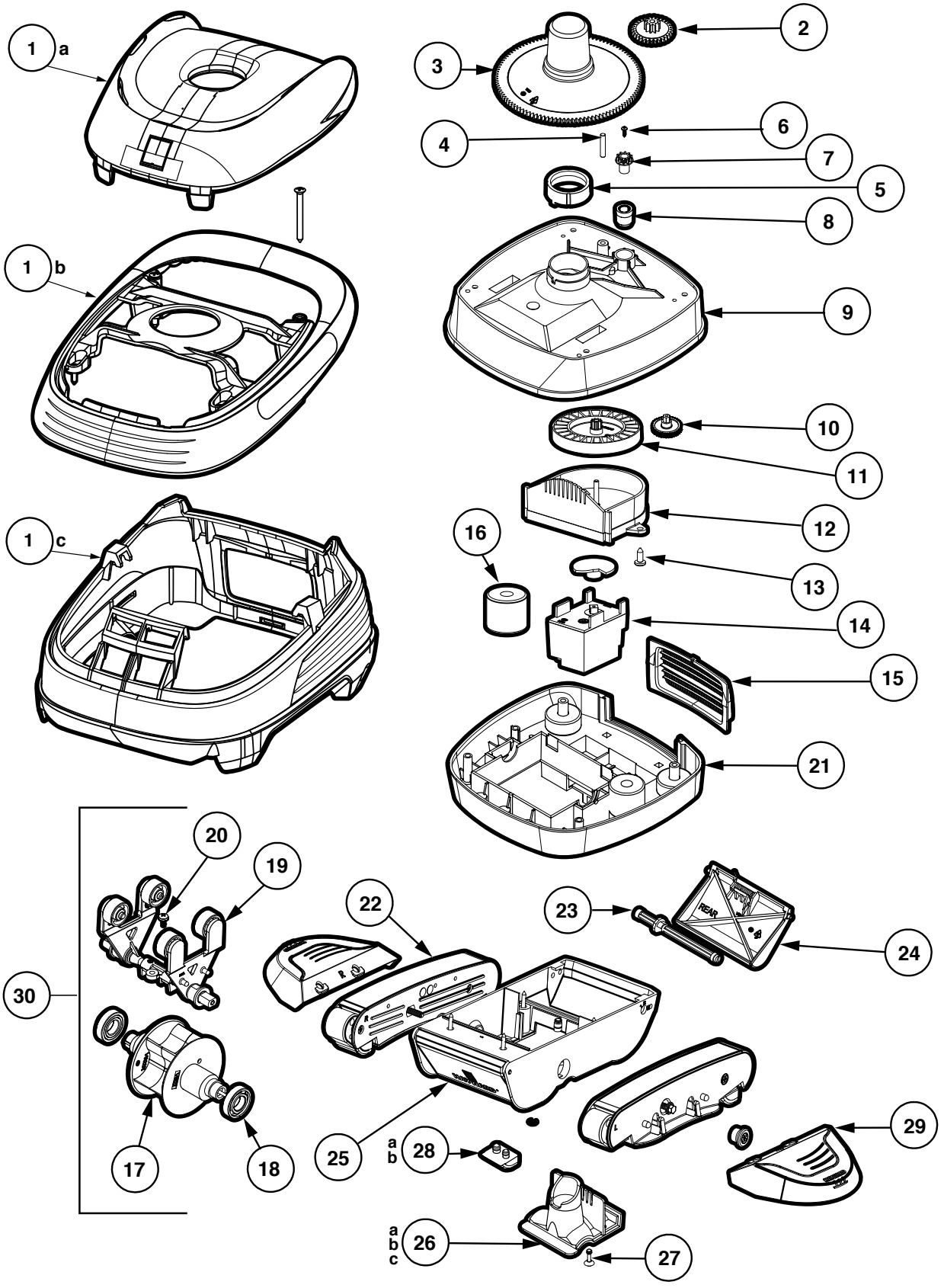
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1a	HSXVV017SA-237	Assembly, Cover-PV V-Flex	1	**$222.81**
1b	HSXVV018SA-236	Assembly, Handle-PV V-Flex	1	**185.46**
1c	AXVU015-237	Assembly, Shell and Skirt, PV V-Flex	1	**370.11**
2	AXV301	Inter Gear	25	**16.08**
3	AXV070	Cone Gear, Clear	10	**113.68**
4	AXV309	Inter Gear Shaft	50	**3.20**
5	AXV306	Cone Gear Bushing	25	**16.42**
6	AXV068	Spindle Gear Screw	50	**2.88**
7	AXV303	Cone Spindle Gear	25	**16.08**
8	AXV066A	Cone Spindle Gear Bushing	25	**19.06**
9	HSXV060R237	Upper Middle Body	10	**148.28**
10	AXV064A	Medium Turbine Drive Gear	25	**19.06**
11	AXV062C	Medium Turbine	25	**28.02**
12	AXV009	Medium Turbine Case/Axle Assembly	25	**64.91**
13	AXV065P	Upper Body Screw *(6 pack)*	25	**13.74**
14	AXV054FH	Float Kit	25	**36.81**
15	AXV408P	Gear Box Assembly	25	**30.56**
16	AXVU009-237	Screen Kit	50	**12.98**
17	HSX304060	Turbine Shaft Retainer *(2 pack)*	25	**16.05**
18	HSXVV3000SAC	Turbine Kit (turbine and 2 turbine bearings)	25	**78.84**
19	HSXV050C237	Lower Body, Housing	10	**112.13**
20	AXV230D-237	Open Lower Body	10	**60.40**
21	AXV031B	Flap Adjuster	25	**17.21**
22	AXV434-237	Flap Kit (2 flaps, front and rear springs)	50	**34.55**
23	HSXVV3010SA	Kit, Turbine/A-Frame 5 Vane	10	**85.42**
24	AXV313	A-Frame Saddle Clip Retaining Screw	25	**11.35**
25	AXV417-237	Pod Kit	25	**65.23**
26	AXV604-237	Wing Kit	50	**19.28**
27a	AXV414P	Shoes, Concrete *(4 pack)*	25	**21.20**
27b	AXV413P	Shoes, Vinyl *(4 pack)*	25	**26.35**
28a	AXV603	Access Cover Assembly, Concrete	25	**17.29**
28b	AXV603A	Access Cover Assembly, Vinyl	25	**21.42**
28c	AXV603CLO	Access Cover Assembly, Concrete – Large Skids	25	**17.29**
29	AXV314P	Captive Screw with Clip	25	**5.88**
30	VVX3010SA	A-Frame	10	**36.54**

PoolVac XL™

REPLACEMENT PARTS

Parts Diagram



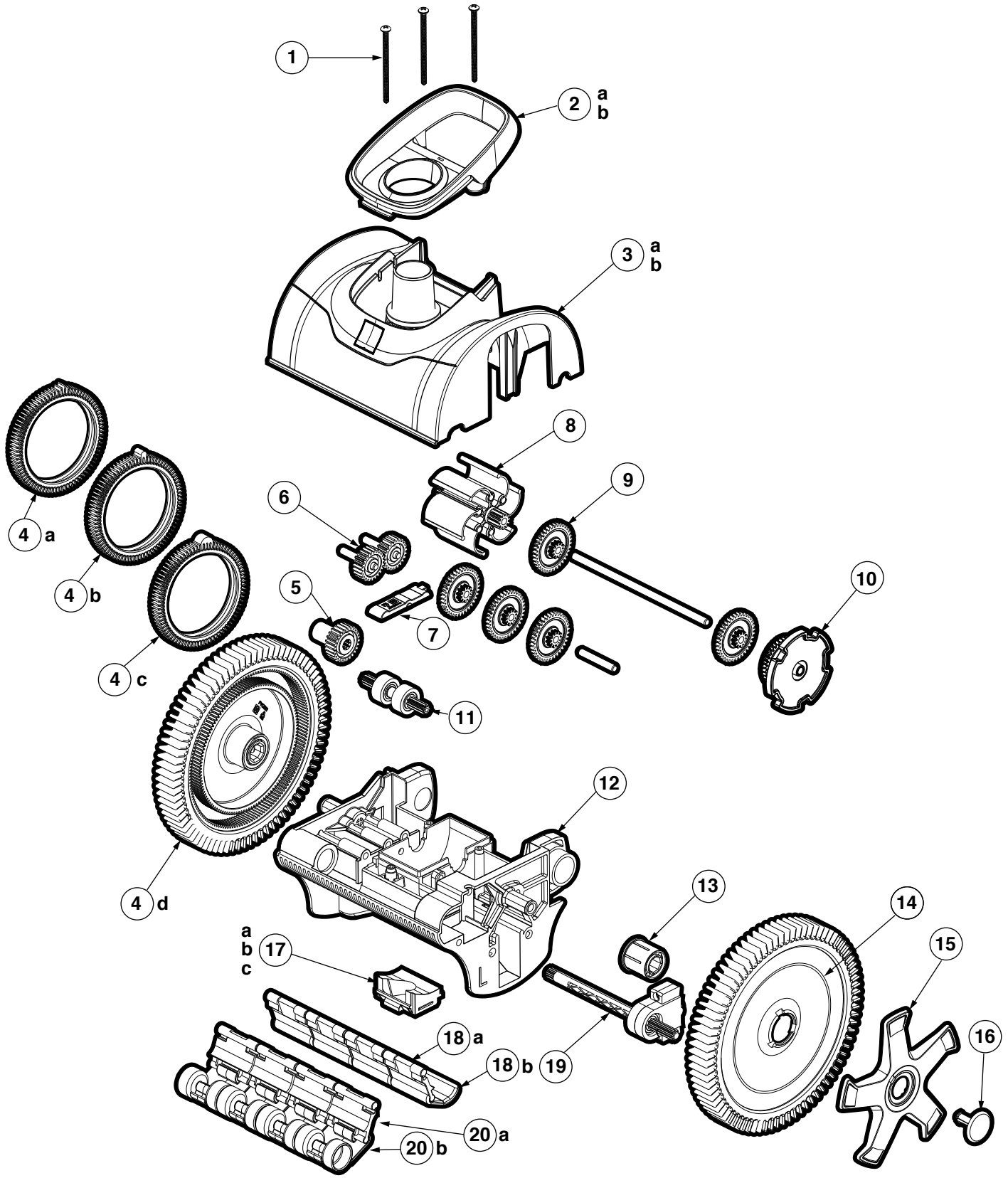
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1a	AXVU018	PoolVac XL Cover Assembly	1	**$190.85**
1b	AXVU019	PoolVac XL Handle Assembly	1	**181.87**
1c	AXVU015	PoolVac XL Skirt Assembly	1	**362.87**
2	AXV301	Inter Gear	25	**16.08**
3	AXV070	Cone Gear, Clear	10	**113.68**
4	AXV309	Inter Gear Shaft	50	**3.20**
5	AXV306	Cone Gear Bushing	25	**16.42**
6	AXV068	Spindle Gear Screw	50	**2.88**
7	AXV303	Cone Spindle Gear	25	**16.08**
8	AXV066A	Cone Spindle Gear Bushing	25	**19.06**
9	AXV060WH	Upper Middle Body	10	**119.89**
10	AXV064A	Medium Turbine Drive Gear	25	**19.06**
11	AXV062C	Medium Turbine	25	**28.02**
12	AXV009	Medium Turbine Case/Axle Assembly	25	**64.91**
13	AXV065P	Upper Body Screw *(6 pack)*	25	**13.74**
14	AXV408P	Gear Box Assembly	25	**30.56**
15	AXVU009	Screen Kit	50	**12.73**
16	AXV054FH	Float Kit	25	**36.81**
17	AXV602P	Turbine Kit (turbine and 2 turbine bearings)	25	**61.29**
18	AXV055P	Turbine Bearing *(2 pack)*	50	**22.01**
19	AXV621D	Kit-Universal, A-Frame	25	**58.33**
20	AXV313	A-Frame Saddle Clip Retaining Screw	25	**11.35**
21	AXV050CWH	Lower Body	10	**109.92**
22	AXV417WHP	Pod Kit	25	**63.92**
23	AXV031B	Flap Adjuster	25	**17.21**
24	AXV621DAT	Kit-Universal, Turbine/A-Frame	10	**79.78**
25	AXV230DWH	Open Lower Body	10	**59.24**
26a	AXV603	Access Cover Assembly, Concrete	25	**17.29**
26b	AXV603A	Access Cover Assembly, Vinyl	25	**21.42**
26c	AXV603CLO	Access Cover Assembly, Concrete – Large Skids	25	**17.29**
27	AXV314P	Captive Screw with Clip	25	**5.88**
28a	AXV414P	Shoes, Concrete *(4 pack)*	25	**21.20**
28b	AXV413P	Shoes, Vinyl *(4 pack)*	25	**26.35**
29	AXV604WHP	Wing Kit	50	**18.94**
30	AXV434WHP	Flap Kit (2 flaps, front and rear springs)	50	**33.88**

AquaNaut® 200 & 250

REPLACEMENT PARTS

Parts Diagram



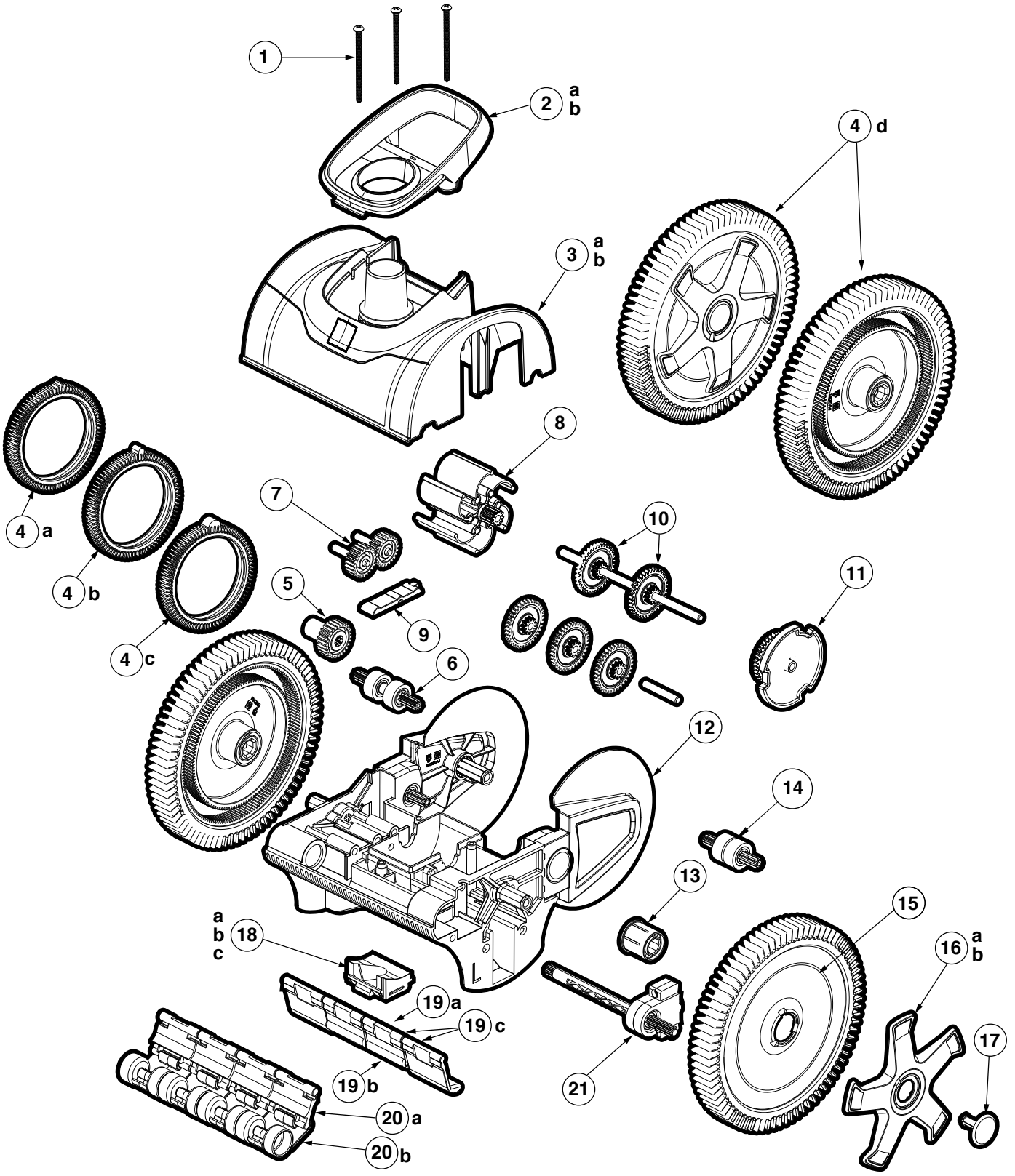
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SCRX4012PK3	Screw, #10 x 3 18-8 *(3 pack)*	20	**$16.20**
2a	PVXS0002-234-01	Handle, 200 Blue Met Printed	10	**32.87**
2b	PVXE0002-234-01	Handle, 250 Blue Met Printed	10	**32.87**
3a	PVXS01SA-237-01	Upper Body, Blue Logo	1	**57.22**
3b	PVXE0001SA-237	Upper Body	1	**57.22**
4a	PVX075PK2-234	Wheel Tread, Finger Hump, Blue Met *(2 pack)*	10	**70.47**
4b	PVXS11PK2-234	Wheel Tread, Super, Blue Met *(2 pack)*	10	**70.47**
4c	PVX679PK2	Wheel Tread, Super Super, Blue *(2 pack)*	10	**77.54**
4d	PVXS16PK2-234	Wheel Tread, Blue Met – Optional *(2 pack)*	10	**59.96**
5	PVXH007	Gear, Drive, Large	25	**12.93**
6	PVXH008PK2	Gear, Drive, Small *(2 pack)*	20	**12.11**
7	PVXS0007	Shaft Retainer, White Plastic	25	**7.02**
8	PVXH038SA	Turbine, 6-Vane Kit	10	**46.27**
9	PVXH009PK5	Gear, Reduction *(5 pack)*	10	**10.54**
10	PVXH036009	Steering Cam Gear 2x2	10	**15.56**
11	PVXH019SA	Shaft Bearing	25	**48.29**
12	PVX792SA-236	Lower Body, Black Met	1	**45.70**
13	PVX976PK2	Wheel Bearing *(2 pack)*	10	**26.00**
14	PVX051-236	Wheel Hub, Black Met	20	**31.59**
15	PVXS005PK2-237	Wheel Style, 5-Spoke Gray Met *(2 pack)*	20	**14.31**
16	PVXS0006-237	Wheel Retainer, Gray Met	20	**7.39**
17a	PVX990S-207	Inlet, Suction, Small, Gray	10	**8.42**
17b	PVX990M-236	Inlet, Suction, Medium, Black Met	10	**8.42**
17c	PVX990L-207	Inlet, Suction, Large, Gray	10	**8.42**
18a	PVXH014BKPK4	Bracket Skirt, Black *(4 pack)*	10	**16.20**
18b	PVXH013BKPK4	Skirt, Black *(4 pack)*	10	**16.20**
19	PVXH011SA	Steering Bracket Roller	20	**68.25**
20a	PVXH014BKPK4	Bracket Skirt *(4 pack)*	10	**16.20**
20b	PVX043042BKPK4	Roller Skirt, Black *(4 pack)*	10	**24.08**
—	PVX631PK2	Hose Float, Black *(2 pack)*	10	**28.81**

AquaNaut® 400 & 450

REPLACEMENT PARTS

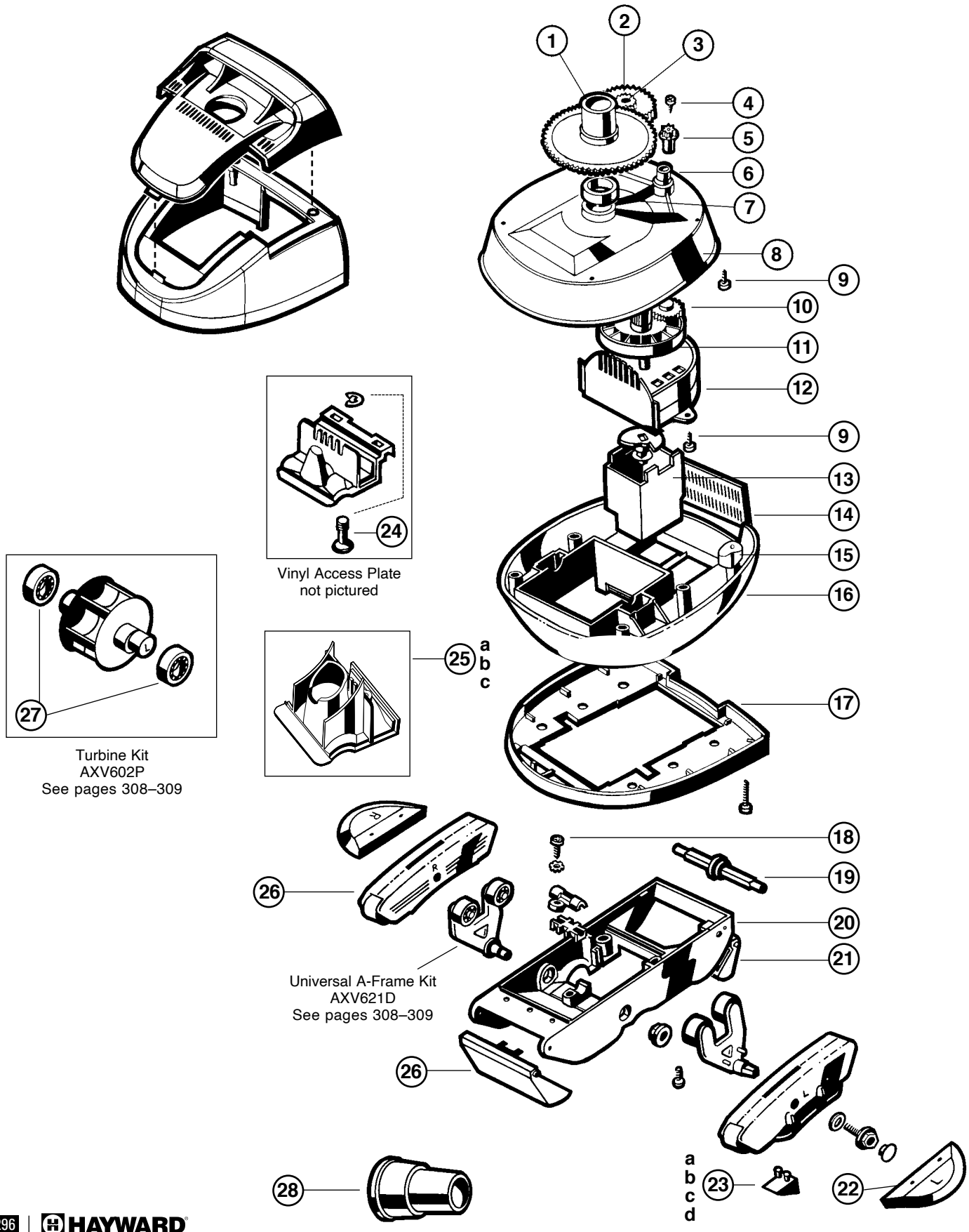
Parts Diagram



Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	SCRX4012PK3	Screw, #10 x 3 18-8 *(3 pack)*	20	**$16.20**
2a	PVXS0002-234-02	Handle, 400 Blue Met,Upper Body 400, Blue Logo	10	**32.87**
2b	PVXE0002-234-02	Handle, 450 Blue Met	10	**32.87**
3a	PVXS01SA-237-01	Upper Body, Blue Logo	1	**57.22**
3b	PVXE0001SA-237	Upper Body, 450 Blue Logo	1	**57.22**
4a	PVX075PK2-234	Wheel Tread, Finger Hump, Blue Met *(2 pack)*	10	**70.47**
4b	PVXS11PK2-234	Wheel Tread, Super, Blue Met *(2 pack)*	10	**70.47**
4c	PVX679PK2	Wheel Tread, Super Super, Blue *(2 pack)*	10	**77.54**
4d	PVXS16PK2-234	Wheel Tread, Blue Met – Optional *(2 pack)*	10	**59.96**
5	PVXH007	Gear, Drive, Large	25	**12.93**
6	PVXH019SA	Shaft Bearing	25	**48.29**
7	PVXH008PK2	Gear, Drive, Small *(2 pack)*	20	**12.11**
8	PVXH038SA	Turbine, 6-Vane Kit	10	**46.27**
9	PVXS0007	Shaft Retainer, White Plastic	25	**7.02**
10	PVXH009PK5	Gear, Reduction *(5 pack)*	10	**10.54**
11	PVXH010009	Steering Cam Gear 4x4	10	**15.56**
12	PVXS0009-236	Lower Body, 4-Wheel, Black Met	1	**68.65**
13	PVX976PK2	Wheel Bearing *(2 pack)*	10	**26.00**
14	PVXH020SA	Gear Shaft, Rear	25	**48.29**
15	PVX051-236	Wheel Hub, Black Met	20	**31.59**
16a	PVXS005PK2-237	Wheel Style 400, 5-Spoke Gray Met *(2 pack)*	20	**14.31**
16b	PVXE003PK2-237	Wheel Style 450, 4-Spoke Gray Met *(2 pack)*	20	**15.12**
17	PVXS0006-237	Wheel Retainer, Gray Met	20	**7.39**
18a	PVX990S-207	Inlet, Suction, Small, Gray	10	**8.42**
18b	PVX990M-236	Inlet, Suction, Medium, Black Met	10	**8.42**
18c	PVX990L-207	Inlet, Suction, Large, Gray	10	**8.42**
19a	PVXH014BKPK4	Bracket Skirt, Black *(4 pack)*	10	**16.20**
19b	PVXH013BKPK4	Skirt, Black *(4 pack)*	10	**16.20**
19c	PVX013028BK	Rear Skirt Kit, Black (2 Hinged/2 Non Hinged) 4 Wheel Only	10	**19.48**
20a	PVXH014BKPK4	Bracket Skirt *(4 pack)*	10	**16.20**
20b	PVX043042BKPK4	Roller Skirt, Black *(4 pack)*	10	**24.08**
21	PVXH011SA	Steering Bracket Roller	20	**68.25**
—	PVX631PK2	Hose Float, Black *(2 pack)*	10	**28.81**

Parts Diagram



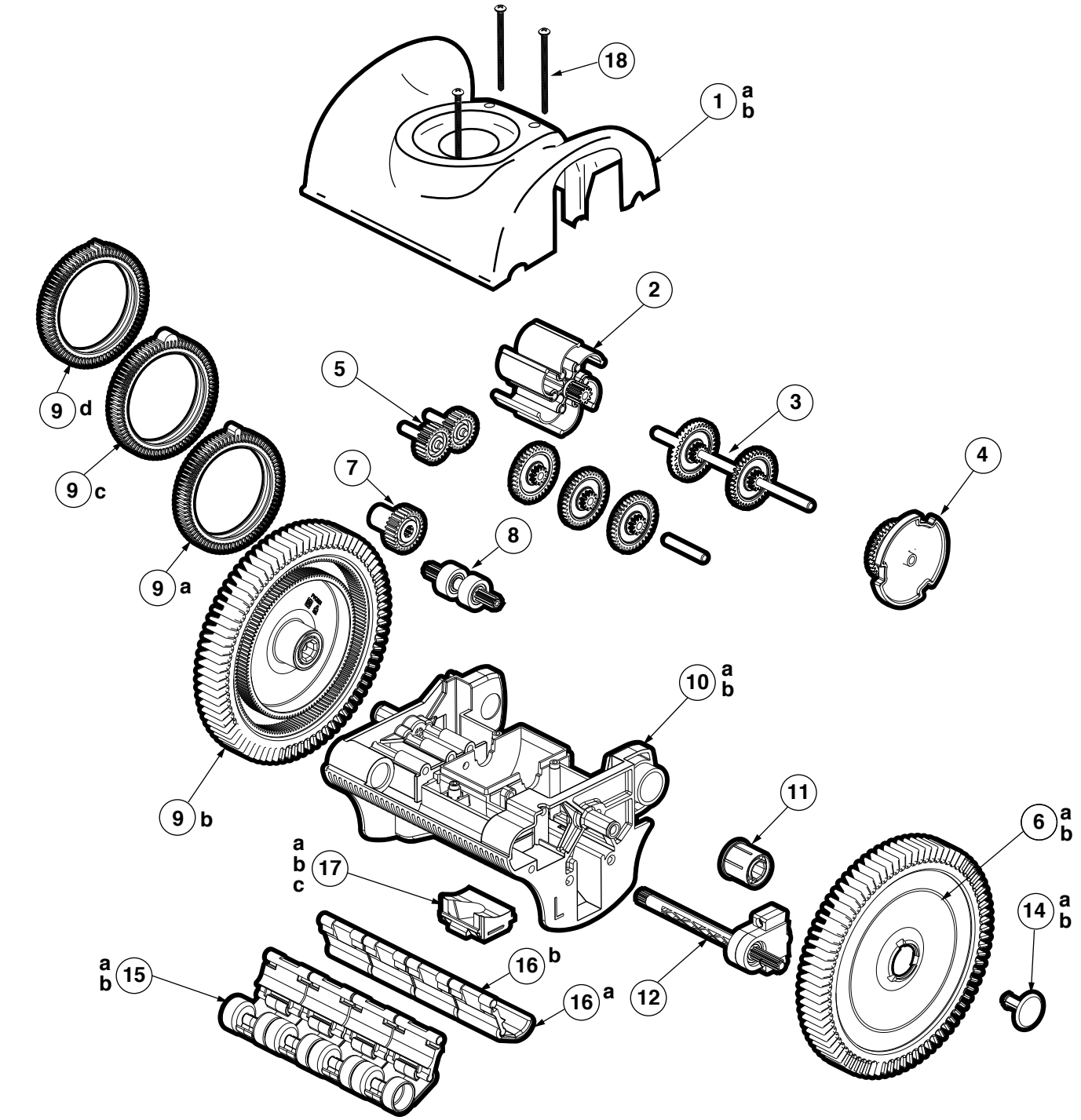
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	AXV070	Cone Gear, Clear	10	**$113.68**
2	AXV301	Intermediate Gear	25	**16.08**
3	AXV309	Intermediate Gear Shaft	50	**3.20**
4	AXV068	Spindle Gear Screw	50	**2.88**
5	AXV303	Spindle Gear	25	**16.08**
6	AXV066A	Spindle Gear Bushing	25	**19.06**
7	AXV306	Cone Gear Bushing	25	**16.42**
8	AXV060WH	Upper Middle Body	10	**119.89**
9	AXV065P	Upper Body Screw *(6 pack)*	25	**13.74**
10	AXV064A	Medium Turbine Drive Gear	25	**19.06**
11	AXV062C	Medium Turbine	25	**28.02**
12	AXV009	Medium Turbine Case with Axle	25	**64.91**
13	AXV408P	Gear Box Assembly	25	**30.56**
14	AXV051AWH	Screen, White	50	**12.11**
15	AXV054FH	Float *(2 pack)*	25	**36.81**
16	AXV050CWH	Lower Middle Body, White	10	**109.92**
17	AXV429WHP	Bumper Assembly	10	**34.52**
18	AXV313	Lower Body Screw *(4 pack)*	25	**11.35**
19	AXV031B	Flap Adjuster	25	**17.21**
20	AXV230DWH	Lower Body, White	10	**59.24**
21	AXV434WHP	Flap Kit, White (2 flaps, front and rear springs)	50	**33.88**
22	AXV604WHP	Wing Kit, White	50	**18.94**
23a	AXV414P	Pod Shoes, Concrete *(4 pack)*	25	**21.20**
23b	AXV413P	Pod Shoes, Vinyl *(4 pack)*	25	**26.35**
23c	AXV014CP	Pod Shoes, Ceramic *(4 pack)*	25	**35.28**
23d	AXV014SP	Pod Shoes, Slotted *(4 pack)*	25	**25.76**
24	AXV314P	Captive Screw and Retaining Clip	25	**5.88**
25a	AXV603	Access Cover Assembly, Concrete	25	**17.29**
25b	AXV603A	Access Cover Assembly, Vinyl	25	**21.42**
25c	AXV603CLO	Access Cover Assembly, Concrete – Large Skids	25	**17.29**
26	AXV417WHP	Pod Kit, White	25	**63.92**
27	AXV055P	Turbine Bearings *(2 pack)*	50	**22.01**
28	AXV093CP	Skimmer Cone	50	**19.53**
—	AXV079VP	Medium Turbine/Spindle Gear Kit, Vinyl (medium turbine, drive gear, bushing, vinyl spindle gear, screw, medium turbine axle, intermediate gear, intermediate gear axle)	25	**63.53**

Poolvergnuegen - The PoolCleaner 2 Wheel

REPLACEMENT PARTS

Parts Diagram



Poolvergnuegen - The PoolCleaner 2 Wheel

REPLACEMENT PARTS

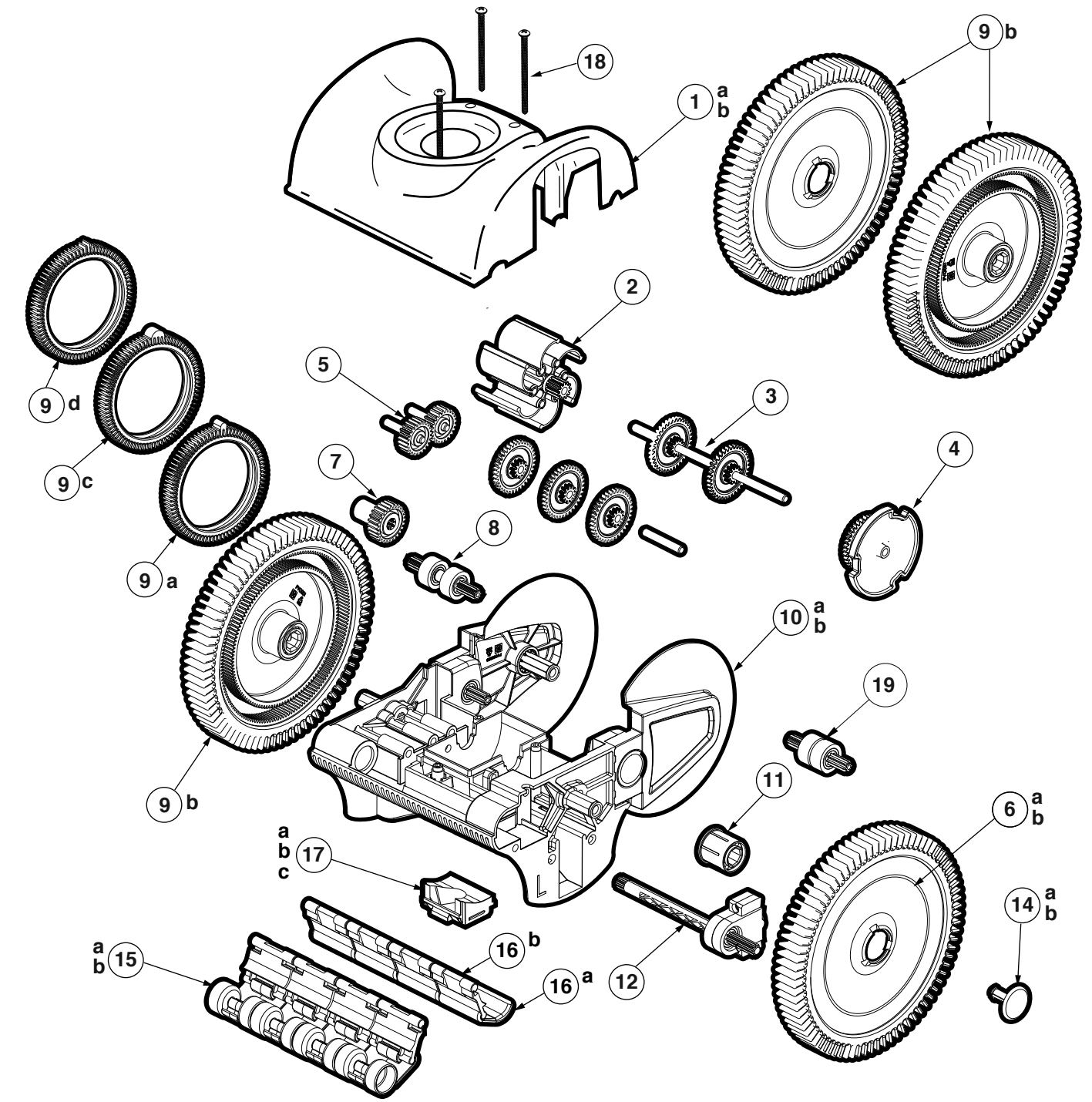
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1a	896584000-181	Upper Body Assembly with (3) Screws, White	1	**$45.55**
1b	896584000-600	Upper Body Assembly with (3) Screws, Gray – Limited Edition	1	**50.01**
2	PVXH038SA	Turbine Kit 6 Vanes	10	**46.27**
3	PVXH009PK5	Gear Reduction *(5 pack)*	10	**10.54**
4	PVXH036009	Steering Cam 2 Wheel	10	**15.56**
5	PVXH008PK2	Small Gear Drive *(2 pack)*	20	**12.11**
6a	896584000-051	Wheel Hub, White	10	**29.82**
6b	896584000-532	Wheel Hub, Gray – Limited Edition	10	**32.77**
7	PVXH007	Large Gear Drive	25	**12.93**
8	PVXH019SA	Shaft Bearing	25	**48.29**
9a	896584000-143	Standard Tires with SUPER Hump, Light Blue *(2 pack)*	10	**66.48**
	896584000-594	Standard Tires with SUPER Hump, Black *(2 pack)*	10	**72.96**
9b	896584000-082	No Hump Tire (Back) Replacement, Light Blue *(2 pack)*	10	**56.53**
	896584000-563	No Hump Tire (Back) Replacement, Black *(2 pack)*	10	**62.07**
9c	PVX679PK2	Super Super Hump Tires, Light Blue – BIG Obstacles *(2 pack)*	10	**77.54**
	896584000-723	Super Super Hump Tires, Black – BIG Obstacles *(2 pack)*	10	**76.48**
9d	896584000-075	3 Fingers Hump Tire, Light Blue *(2 pack)*	10	**56.53**
	896584000-556	3 Fingers Hump Tires, Black *(2 pack)*	10	**54.22**
10a	PVX2LB1900WH	2 Wheel Lower Body, White – Empty	1	**40.50**
10b	PVX2LB1900GR	2 Wheel Lower Body, Gray – Empty	1	**42.94**
11	PVX976PK2	Wheel Bearing *(2 pack)*	10	**26.00**
12	PVXH011SA	Steering Bracket Roller	20	**68.25**
14a	PVXWLC1900WH	Wheel Reatiner Clip, White	20	**3.05**
14b	PVXWLC1900BLK	Wheel Retainer Clip, Black	10	**3.05**
15a	896584000-259	Front Skirts with Rollers, White – 2 Wheel and 4 Wheel *(4 per Kit)*	10	**22.75**
	PVX043042BKPK4	Front Skirts with Rollers, Black – 2 Wheel and 4 Wheel *(4 per Kit)*	10	**24.08**
15b	896584000-419	Bracket for Skirts, White – 2 Wheel and 4 Wheel *(4 per Kit)*	10	**15.29**
	PVXH014BKPK4	Bracket for Skirts, Black – 2 Wheel and 4 Wheel *(4 per Kit)*	10	**16.20**
16a	896584000-099	Rear Skirts, White – 2 Wheel *(4 per Kit)*	10	**15.29**
	PVXH013BKPK4	Rear Skirts, Black – 2 Wheel *(4 per Kit)*	10	**16.20**
16b	896584000-419	Bracket for Skirts, White – 2 Wheel and 4 Wheel *(4 per Kit)*	10	**15.29**
	PVXH014BKPK4	Bracket for Skirts, Black – 2 Wheel and 4 Wheel *(4 per Kit)*	10	**16.20**
17a	PVX990S-207	Suction Inlet Small, Grat	10	**8.42**
17a	PVX990S244	Suction Inlet Small, Blue	10	**8.42**
17b	PVX990M-236	Suction Inlet Medium, Black	10	**8.42**
17c	PVX990L-207	Suction Inlet Large, Gray	10	**8.42**
17c	PVX990L244	Suction Inlet Large, Blue	10	**8.42**
18	896584000-204	Upper Body Assembly Screw Kit (3 screws per kit)	25	**15.29**
—	PVX280PK2	Hose Float, White *(2 pack)*	10	**28.29**
—	PVX631PK2	Hose Float, Black *(2 pack)*	10	**28.81**

Poolvergnuegen - The PoolCleaner 4 Wheel

REPLACEMENT PARTS

Parts Diagram



Poolvergnuegen - The PoolCleaner 4 Wheel

REPLACEMENT PARTS

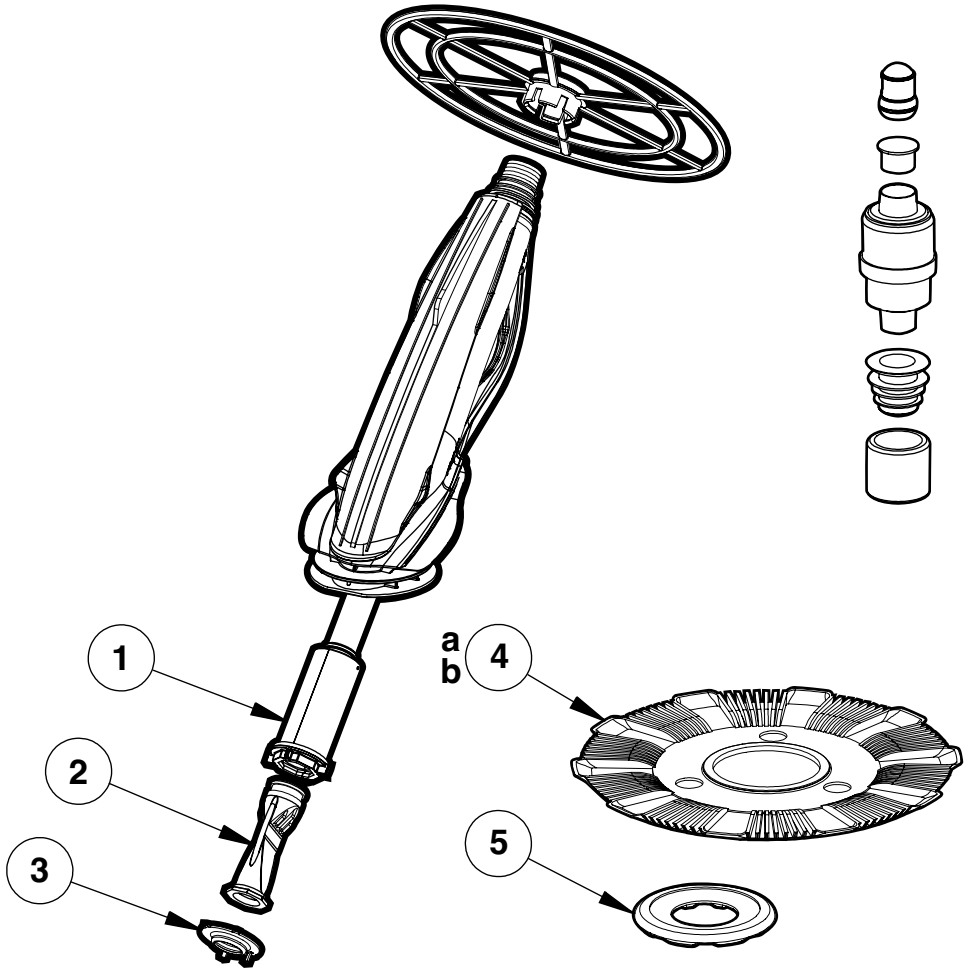
Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1a	896584000-181	Upper Body Assembly with (3) Screws, White	1	**$45.55**
1b	896584000-600	Upper Body Assembly with (3) Screws, Gray – Limited Edition	1	**50.01**
2	PVXH038SA	Turbine Kit 6 Vanes	10	**46.27**
3	PVXH009PK5	Gear Reduction *(5 pack)*	10	**10.54**
4	PVXH010009	Steering Cam 4 Wheel	10	**15.56**
5	PVXH008PK2	Small Gear Drive *(2 pack)*	20	**12.11**
6a	896584000-051	Wheel Hub, White	10	**29.82**
6b	896584000-532	Wheel Hub, Gray – Limited Edition	10	**32.77**
7	PVXH007	Large Gear Drive	25	**12.93**
8	PVXH019SA	Shaft Bearing	25	**48.29**
9a	896584000-143	Standard Tires with Super Hump, Light Blue *(2 pack)*	10	**66.48**
	896584000-594	Standard Tires with Super Hump, Black *(2 pack)*	10	**72.96**
9b	896584000-082	No Hump Tire (Back) Replacement, Light Blue *(2 pack)*	10	**56.53**
	896584000-563	No Hump Tire (Back) Replacement, Black *(2 pack)*	10	**62.07**
9c	PVX679PK2	Super Super Hump Tires, Light Blue *(2 pack)* – Big Obstacles	10	**77.54**
	896584000-723	Super Super Hump Tires, Black *(2 pack)* – Big Obstacles	10	**76.48**
9d	896584000-075	3 Fingers Hump Tires, Light Blue *(2 pack)*	10	**56.53**
	896584000-556	3 Fingers Hump Tires, Black *(2 pack)*	10	**54.22**
10a	PVX4LB1900WH	4 Wheel Lower Body, White – Empty	1	**49.32**
10b	PVX4LB1900GR	4 Wheel Lower Body, Gray – Empty	1	**46.09**
11	PVX976PK2	Wheel Bearing *(2 pack)*	10	**26.00**
12	PVXH011SA	Steering Bracket Roller	20	**68.25**
14a	PVXWLC1900WH	Wheel Reatiner Clip, White	20	**3.05**
14b	PVXWLC1900BLK	Wheel Retainer Clip, Black	10	**3.05**
15a	896584000-259	Front Skirts with Rollers, White, 2 Wheel and 4 Wheel *(4 per Kit)*	10	**22.75**
	PVX043042BKPK4	Front Skirts with Rollers, Black, 2 Wheel and 4 Wheel *(4 per Kit)*	10	**24.08**
15b	896584000-419	Bracket for Skirts, White, 2 Wheel and 4 Wheel *(4 per Kit)*	10	**15.29**
	PVXH014BKPK4	Bracket for Skirts, Black, 2 Wheel and 4 Wheel *(4 per Kit)*	10	**16.20**
16a	896584000-105	Rear Skirt Kit, White (2 Hinged / 2 Non-Hinged) – 4 Wheel only	10	**15.29**
	PVX013028BK	Rear Skirt Kit, Black (2 Hinged / 2 Non-Hinged) – 4 Wheel only	10	**19.48**
16b	896584000-419	Bracket for Skirts, White, 2 Wheel and 4 Wheel *(4 per Kit)*	10	**15.29**
	PVXH014BKPK4	Bracket for Skirts, Black, 2 Wheel and 4 Wheel *(4 per Kit)*	10	**16.20**
17a	PVX990S-207	Suction Inlet Small, Grat	10	**8.42**
17a	PVX990S244	Suction Inlet Small, Blue	10	**8.42**
17b	PVX990M-236	Suction Inlet Medium, Black	10	**8.42**
17c	PVX990L-207	Suction Inlet Large, Gray	10	**8.42**
17c	PVX990L244	Suction Inlet Large, Blue	10	**8.42**
18	896584000-204	Upper Body Assembly Screw Kit *(3 screws per Kit)*	25	**15.29**
19	PVXH020SA	Gear Shaft 4 Wheel	25	**48.29**
—	PVX280PK2	Hose Float, White *(2 pack)*	10	**28.29**
—	PVX631PK2	Hose Float, Black *(2 pack)*	10	**28.81**

DV5000/KingRay®

REPLACEMENT PARTS

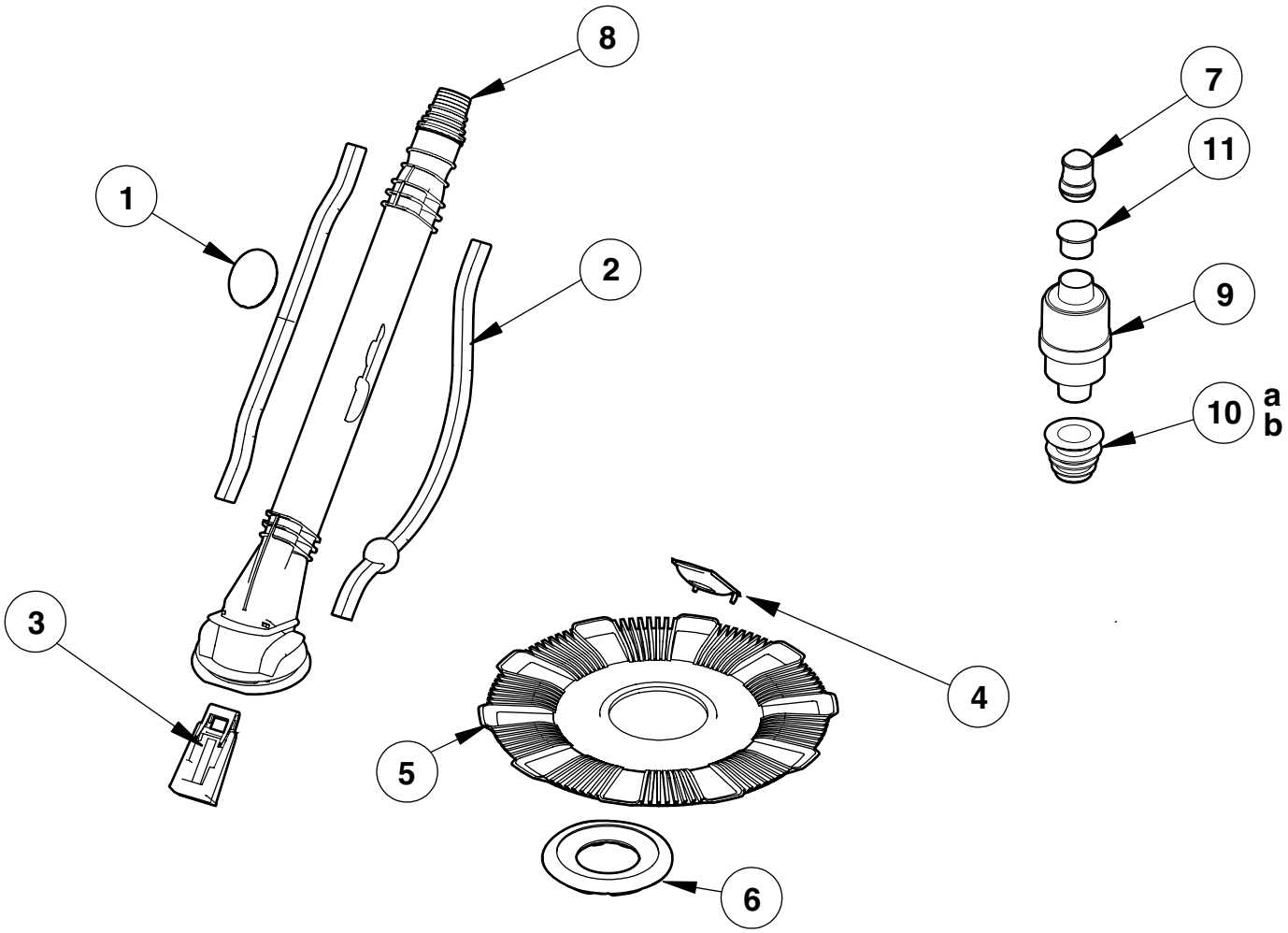
Parts Diagram and Parts Listing



Ref. No.	Part No.	Description	Ctn Qty.	List Price
1	DCX105	Cassette Assembly (Includes Item 5, Diaphragm)	10	**$199.50**
2	DCX105C	Diaphragm	10	**64.51**
3	DCX106	Retainer, Cassette	10	**21.00**
4a	DCX152	Disc, KingRay	1	**72.29**
4b	DCX152SV	Disc (DV5000)	1	**72.29**
5	DCX150	Foot	10	**50.77**

NOTE: DV5000 and AquaRay do not require a leader hose.

Parts Diagram and Parts Listing



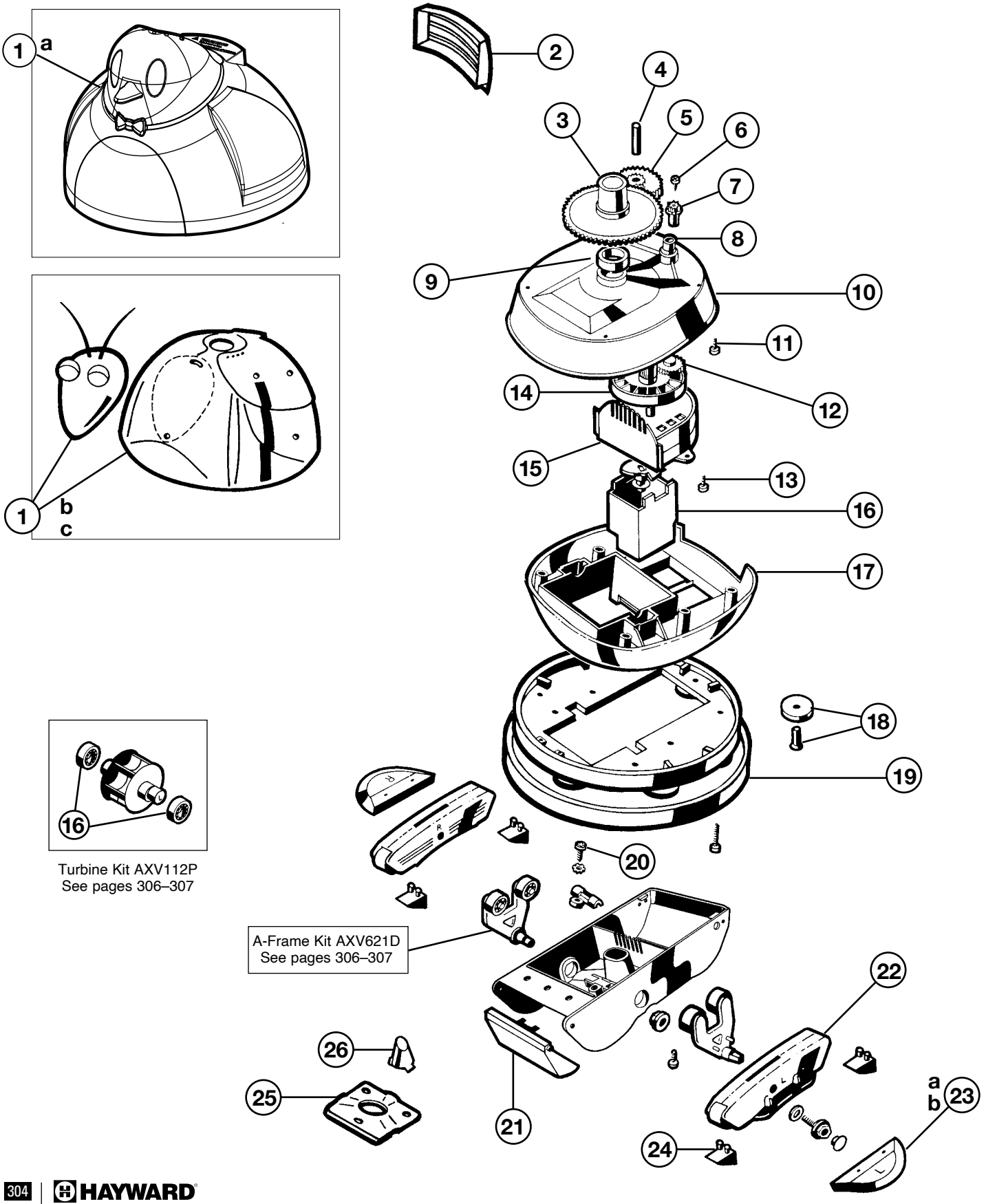
Ref. No.	Part No.	Description	Ctn Qty.	List Price
1	DCX124	Float	10	**$30.41**
2	DCX128	Deflector	1	**72.05**
3	DCX120	Hammer and Spring Clip Kit	10	**37.13**
4	DCX122	Hammer Retainer	10	**23.12**
5	DCX162	Disc	1	**72.29**
6	DCX150	Footpad	10	**50.77**
7	DCX170	Eyeball Diverter	10	**13.15**
8	DCX212	Swivel Assembly	10	**12.01**
9	DCX180	Flow Regulator	1	**99.62**
10a	DCX172	Adapter	10	**16.28**
10b	DCX1091	Cone Style Adapter	10	**13.67**
11	DCX182	Bypass Lid	10	**13.47**

NOTE: DV5000 and AquaRay do not require a leader hose.

Penguin/Wanda the Whale®/Diver Dave®/AquaBug®/AquaCritter

ABOVE-GROUND CLEANER REPLACEMENT PARTS

Parts Diagram



Turbine Kit AXV112P
See pages 306–307

A-Frame Kit AXV621D
See pages 306–307

Penguin/Wanda the Whale®/Diver Dave®/AquaBug®/AquaCritter

ABOVE-GROUND CLEANER REPLACEMENT PARTS

Parts Listing

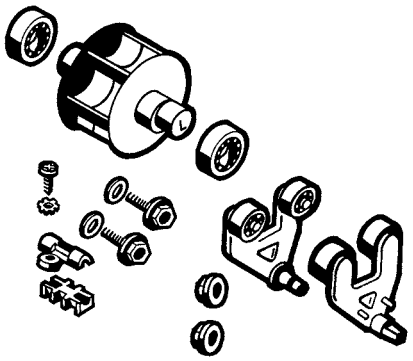
Ref. No.	Part No.	Description	Ctn Qty.	No. Req'd	List Price
1a	AXV100P	Shell Assembly Kit, Penguin	1	1	**Discont'd**
1b	AXV500AOR	Shell Assembly Kit AquaBug, Orange	1	1	**$301.46**
1c	AXV500AYL	Shell Assembly Kit Aqua Critter, Yellow	1	1	**301.46**
2	AXV513BK	Screen, Black	10	1	**17.33**
3	AXV070	Cone Gear	10	1	**113.68**
4	AXV309	Intermediate Gear Shaft	50	1	**3.20**
5	AXV301	Intermediate Gear	25	1	**16.08**
6	AXV068	Spindle Gear Screw	50	1	**2.88**
7	AXV303	Spindle Gear	25	1	**16.08**
8	AXV066A	Spindle Gear Bushing	25	1	**19.06**
9	AXV306	Cone Gear Bushing	25	1	**16.42**
10	AXV060WH	Upper Middle Body	10	1	**119.89**
11	AXV065P	Lower/Upper Body Screw *(6 pack)*	25	1	**13.74**
12	AXV064A	Medium Turbine Drive Gear	25	1	**19.06**
13	AXV062C	Medium Turbine	25	1	**28.02**
14	AXV009	Medium Turbine Case with Axle	25	1	**64.91**
15	AXV055P	Turbine Bearings (2)	50	1	**22.01**
16	AXV518P	Gear Box	25	1	**37.35**
17	AXV050CWH	Lower Middle Body	10	1	**109.92**
18	AXV551P	Wheel Kit (6 wheels, axles)	25	1	**54.10**
19	AXV458	Ring, Black	5	1	**40.95**
20	AXV313	Lower Body Screw	25	1	**11.35**
21	AXV442	Flap Kit, White (2 flaps, front and rear)	50	1	**33.86**
22	AXV417WHP	Pod Kit	25	1	**63.92**
23a	AXV552WHP	Wing Kit, White	50	1	**22.48**
23b	AXV552ORP	Wing Kit, Orange	50	1	**22.48**
24	AXV014SP	Slotted Santoprene Shoes *(4 pack)*	25	1	**25.76**
25	AXV304A	Bottom Plate	20	1	**40.53**
26	AXV512A	Nozzle	50	1	**10.91**

Penguin/Wanda the Whale®/Diver Dave®/AquaBug®/AquaCritter

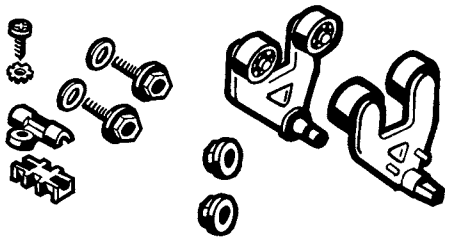
PARTS KITS AND ACCESSORIES FOR ABOVE-GROUND CLEANERS

Parts Diagram

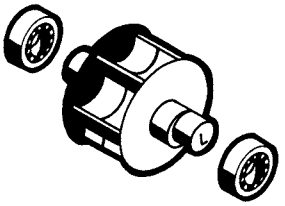
AXV621DAT Universal A-Frame/Turbine Kit



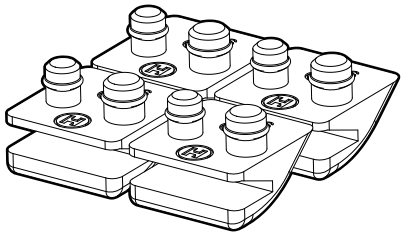
AXV621D Universal A-Frame Kit



AXV112P Turbine Kit Above Ground

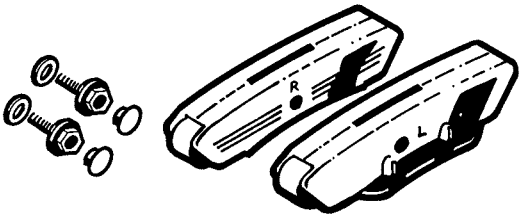


AXV014SP Pod Shoes

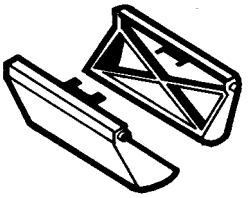


NOTE: *Limited quantities available

AXV417WHP Pod Kit, White



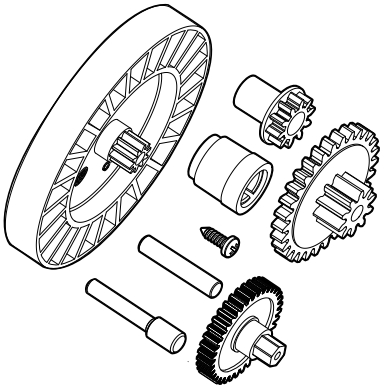
AXV434WHP Flap Kit



AXV093BP Skimmer Adapter Cone



AXV079VP Medium Turbine/Spindle Gear Kit



Penguin/Wanda the Whale®/Diver Dave®/AquaBug®/AquaCritter

PARTS KITS FOR ABOVE-GROUND CLEANERS

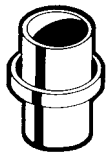
Parts Listing

Part No.	Description	Ctn. Qty.	No. Req'd	List Price
AXV014SP	Pod Shoes, Santoprene *(4 pack)*	25	1	**$25.76**
AXV014FNP	Pod Shoe Kit, Vinyl *(4 pack)*	25	1	**25.93**
AXV434WHP	Flap Kit, White (Includes front and rear flap assemblies)	50	1	**33.88**
AXV621DAT	A-Frame/Turbine Kit (Includes two A-frames and bushings, saddle, keeper, main turbine and bearings, hex head pod screws and pod screw washers)	10	1	**79.78**
AXV055P	Turbine Bearing Kit *(2 pack)*	50	1	**22.01**
AXV065P	Upper Body Screw Kit *(6 pack)*	25	1	**13.74**
AXV079VP	Medium Turbine/Spindle Gear Kit, Vinyl (medium turbine, drive gear, bushing, spindle gear, screw, medium turbine axle, intermediate gear, intermediate gear axle)	25	1	**63.53**
AXV621D	A-Frame Kit (Includes two A-frames and bushings, saddle, keeper, two hex head pod screws and two pod screw washers)	25	1	**58.33**
AXV112P	Turbine Kit, Above Ground (Includes main turbine and two turbine bearings)	25	1	**61.29**
AXV417WHP	Pod Kit, White (Includes right and left pod assemblies)	25	1	**63.92**
AXV699P	A-Frame Bushing/Saddle Kit	25	1	**9.43**
AXV552WHP	Wing Kit, White (Includes left and right wings)	50	1	**22.48**
AXV552ORP	Wing Kit, Orange (Includes left and right wings)	50	1	**22.48**

NOTE: For Tune-up Kits see page 69.

Parts Diagram

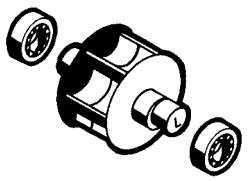
AXV092 Hose Connector



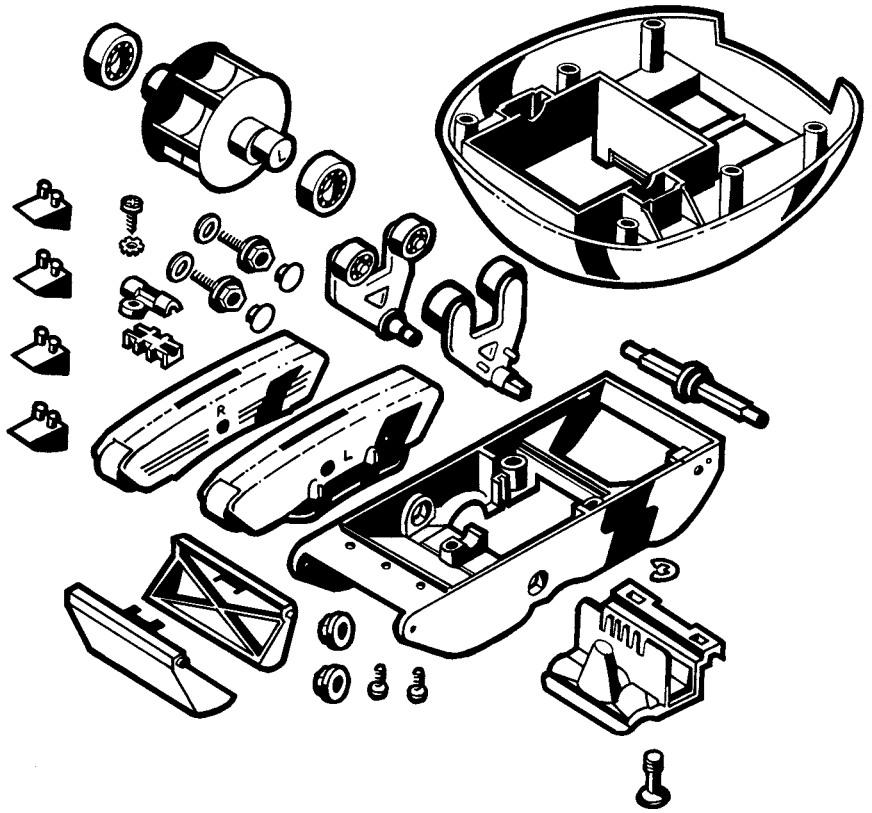
AXV098 Hose Adapter



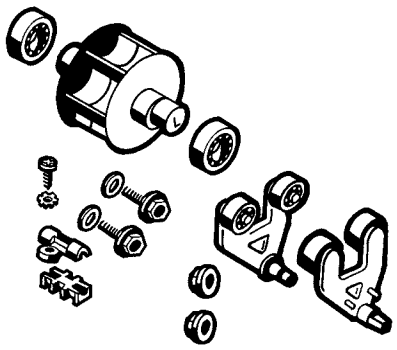
AXV602P Turbine Kit



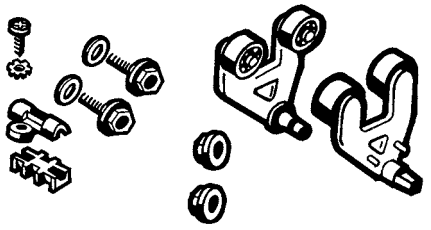
AXV622DPK Propulsion/Conversion Kit



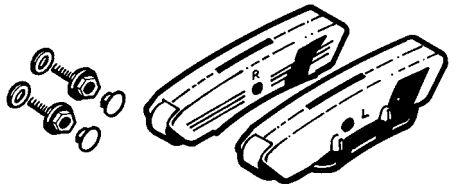
AXV621DAT Universal Model A-Frame/Turbine Kit



AXV621D Universal A-Frame Kit



AXV417WHP Pod Kit



Parts Listing

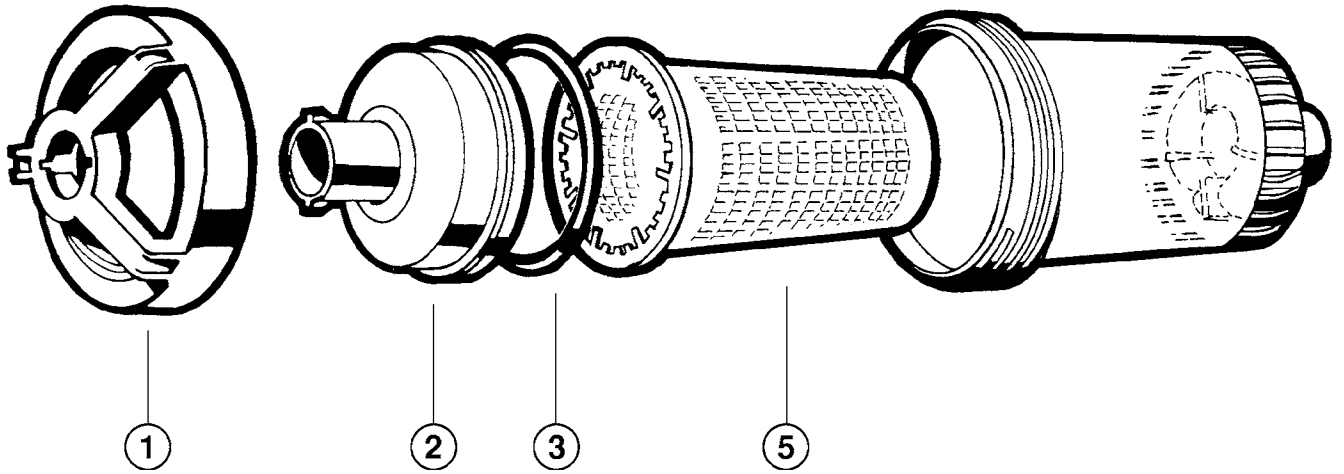
Part No.	Black	Description	Ctn. Qty.	List Price
AXV414604WHP	—	**Shoe and Wing Maintenance Kit** (Includes one set of concrete shoes and one set of wings)	50	**$38.04**
AXV079VP	—	**Medium Turbine/Spindle Gear Kit** (Includes medium turbine, drive gear bushing, spindle gear, screw, medium turbine axle, intermediate gear, intermediate gear axle)	25	**63.53**
AXV621D	—	**Universal A-Frame Kit** (Includes two A-frames and bushings, saddle, keeper, two hex head pod screws and pod screw washers)	25	**58.33**
AXV602P	—	**Turbine Kit** (Includes main turbine and two turbine bearings)	25	**61.29**
AXV621417WHP		**A-Frame and Pod Tune Up Kit** (Includes two soft roller A-frames and bushings, saddle, keeper, main turbine and bearings, hex head pod screws, pod screw washers, right and left pods and pod plugs)	10	**136.58**
AXV621DAT	—	**Universal A-Frame/Turbine Kit** (Includes two soft roller A-frames and bushings, saddle, keeper, main turbine and bearings, hex head pod screws and pod screw washers)	10	**79.78**
AXV417WHP	AXV417BKP	**Pod Kit** (Includes right and left pods and pod plugs)	25	**63.92**
AXV699P	—	**A-Frame/Bushing/Saddle Kit** Includes two bushings, saddle, keeper, screw and washer)	25	**9.43**
AXV622DPK	AXV622DPKBK	**Concrete Universal Propulsion/Conversion Kit** (Includes access cover assembly, lower body and screws, A-frames and bushings, saddle, keeper, screw and washer, pods, hex head pod screws and washers, flaps and springs, flap adjuster, turbine and bearings, shoes and lower middle body)	1	**302.00**
AXV622604WHP	—	**Propulsion and Wing Rebuild Kit** (Includes access cover assembly, lower body and screws, A-frames and bushings, saddle, keeper, screw and washer, pods, hex head pod screws and washers, flaps and springs, flap adjuster, turbine and bearings, shoes and lower middle body)	1	**302.07**
AXV092	—	**Hose Connector**	25	**12.56**
AXV098	—	**Hose Adapter**	25	**10.56**

Leaf Canisters

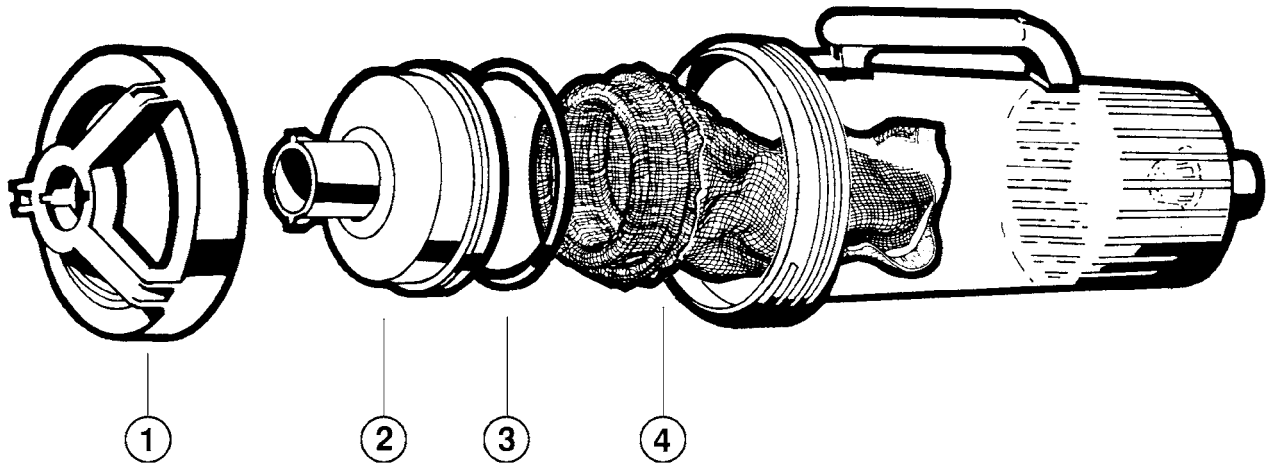
W530 AND 560 SERIES REPLACEMENT PARTS

Parts Diagram and Parts Listing

W560 LEAF CANISTER Standard Capacity

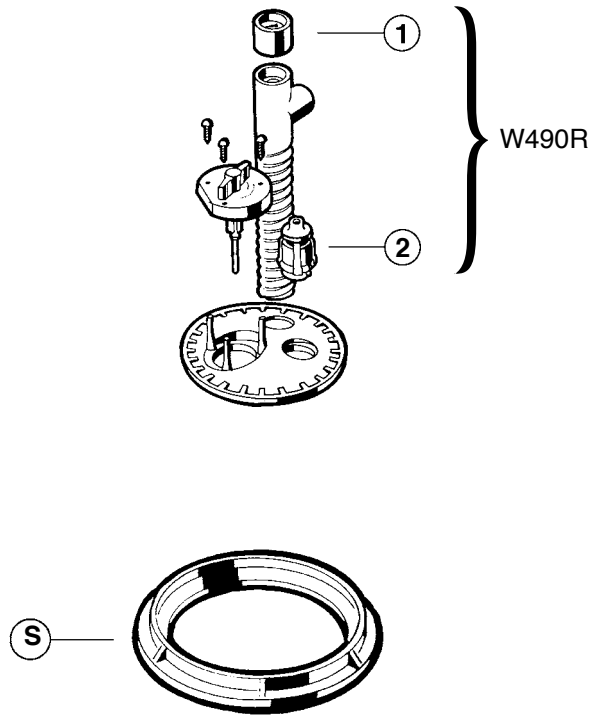


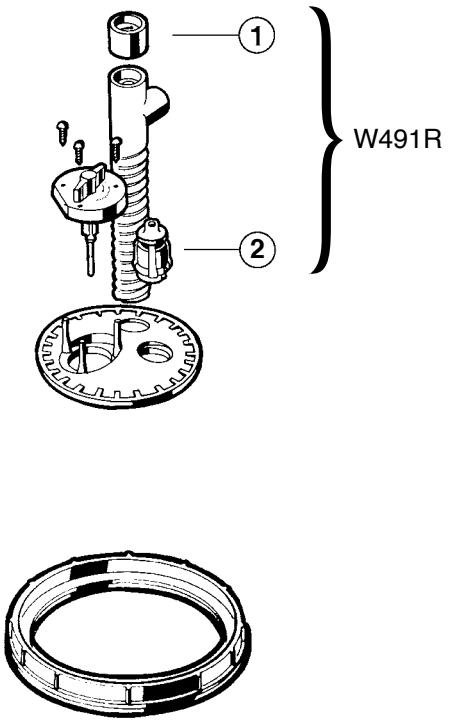
W530 LEAF CANISTER Large Capacity



Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	AXW532BL	Lock Ring for W530 and W560	5	**$32.33**
2	AXW533AGR	Lid with O-Ring Assembly	10	**52.94**
3	AXW542	Leaf Canister O-Ring for W530 and W560	25	**13.67**
4	AXW538	Permanent Bag for W530	5	**42.89**
5	AXW431ABK	Leaf Basket for W560	8	**11.20**
—	AXV098	Hose Adapter for W530 and W560	25	**10.56**

Parts Diagram and Parts Listing



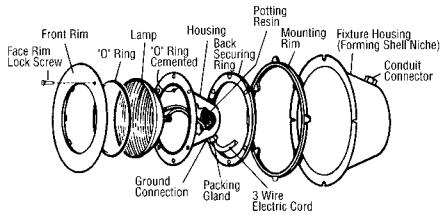


Ref. No.	Part No.	Description	Ctn. Qty.	List Price
1	AXV096GR	Vacuum Gauge	20	**$37.80**
2	AXW428A	Pressure Relief Valve Assembly	25	**31.25**
3	AXW475	Adapter Ring with Gasket for W490R	10	**Discont'd**

PARTS AVAILABLE IN LIMITED QUANTITIES.

Underwater Lights & Accessories

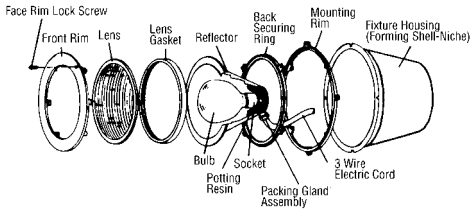
REPLACEMENT PARTS



SP0500, 0501, 0502

Cat. Nos. SP0500, 0501, 0502 Sealed Beam Series

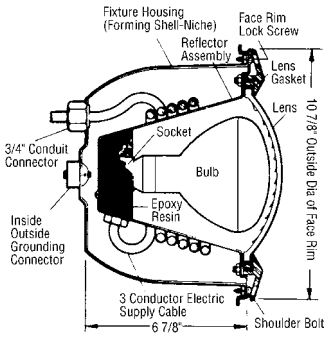
Part No.	Description	Ctn. Qty.	List Price
SPX0502Z1	Bulb, 300W, 12V, PAR 56 WFL	12	**$144.24**
SPX0501HJ	O-Rings, Large and Small (Set), Special Hi-Temp	1	**55.99**
SPX0503Z20A	Face Rim Lockscrew with Washer	25	**16.05**
SPX0502A	Front Rim, CPB	10	**246.67**
SPX0502Z66	Securing Rim Screw *(Set of 6)*	0	**18.32**



SP0503, 0504

Cat. Nos. SP0503 (400W, 120V), SP0504 (500W, 110V)

Part No.	Description	Ctn. Qty.	List Price
SPX0504Z7	Bulb, 500W, 120V, R-40 Medium Base	12	**$87.88**
SPX0503Z2C	Lens Clear (Tempered), 8 3/8"	1	**83.13**
SPX0503W	Lens Gasket, Special Hi-Temp	50	**42.45**
SPX0503Z20A	Face Rim Lockscrew with Washer	25	**16.05**
SPX0503A	Front Rim, CPB	10	**241.55**
SPX0503Z76	Securing Rim Screw *(Set of 6)*	1	**17.75**



SP0540, 0541, 0542, 0543

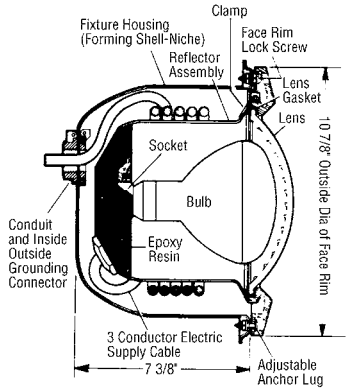
Cat. Nos. SP0540, 0541, 0542, 0543 (StarLite Series)

Part No.	Description	Ctn. Qty.	List Price
SPX0540A	Molded Face Rim with Studs	5	**$72.81**
SPX0540Z1	Lens – Clear 7 9/16" Diameter (Tempered)	10	**54.93**
SPX0540Z2	Lens Gasket, Special Hi-Temp	20	**33.04**
SPX0540Z16A	Face Rim Lockscrew with Fastener	10	**17.83**
SPX0555Z2	Lower Mounting Screw	10	**14.70**
SPX0540Z4A	No. 10-24 Hex. Nut with Washer for Face Rim Studs	10	**12.63**
SPX0541Z1	300W, 12V, Bulb R-40	12	**99.08**
SPX0504Z7	500W, 120V, Bulb R-40	12	**87.88**

Cat. Nos. SP0560, 0570 (DuraLite Series)

Part No.	Description	Ctn. Qty.	List Price
SPX0580A1	Molded Face Plate (for 570 Series with N Suffix)	20	**$58.16**
SPX0570A	Molded Face Rim with Integral Flange (Smooth)	5	**46.39**
SPX0560EA	Clamp Screw with Nut and Washer	60	**17.63**
SPX0540Z16A	Retainer Screw Set	10	**17.83**

NOTE: All other parts same as standard SP0580 Astrolite Series.



SP0560, 0570 SERIES

Cat. Nos. SP0580, 0580S (AstroLite™ Series)

Part No.	Description	Ctn. Qty.	List Price
SPX0580A	Molded Face Rim	4	**$47.94**
SPX0580AS	Stainless Steel Face Rim	20	**81.90**
SPX0580Z2	Lens Gasket	100	**34.55**
SPX0580B	Assembly Clamp with Screw, Nut and Washer (SP0580 Series)	20	**34.72**
SPX0580BS	Assembly Clamp with Screw, Nut and Washer (SP0580S Series)	20	**35.58**
SPX0580Z3	Face Rim Lockscrew with Fastener – SP580S	20	**16.23**
SPX0580Z1	Face Rim Lockscrew with Fastener – SP580	10	**16.99**

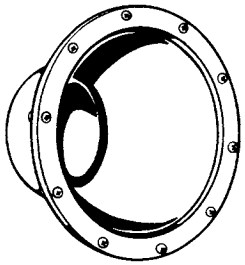
NOTE: All other parts same as Starlite Series.

Cat. Nos. SP0590S, 0590HS (AstroLite II Series)

Part No.	Description	Ctn. Qty.	List Price
SPX0590A	Stainless Steel Face Rim	5	**$67.79**
SPX0590E	Snap-on Plastic Face Rim	50	**17.04**
SPX0590G	Lens Gasket	10	**32.43**
SPX0590Z2A	Face Rim Lockscrew with Fastener	10	**14.28**
SPX0550Z4	12V, 100W Bulb – Incandescent	12	**62.76**
SPX0551Z4	120V, 100W Bulb – Incandescent	1	**41.27**
SPX0591H	120V, 100W Bulb – Halogen	12	**110.02**
SPX0590K	Blue and Red Replacement Lens Cover Kit	12	**29.94**
SPX0608C	Face Ring Assembly	10	**32.21**
SPX0608G	Gasket	10	**11.30**
SPX0608CP	Card Seal Kit	10	**11.30**

Underwater Lights & Accessories

REPLACEMENT PARTS (continued)



SP0506

Cat. Nos. SP0520, 0530 (ColorLogic® Series)

Part No.	Description	Ctn. Qty.	List Price
SPX0533AS	Stainless Steel Face Rim (Small)	10	**$66.70**

Cat. Nos. SP0600, 0607, 0608U PVC Niches

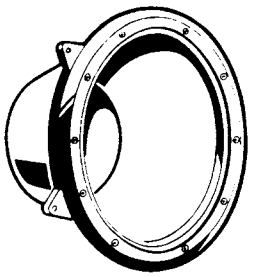
Part No.	Description	Ctn. Qty.	List Price
SPX0600G	Grounding Bracket Assembly	1	**$60.52**
SPX0555Z2	Bottom Mounting Screw (SP0600 and SP0607)	10	**14.70**
SPX0507A1	Front Frame, White (SP0607)	5	**43.76**
SPX0507A1DGR	Front Frame, Dark Gray (SP0607)	5	**43.58**
SPX0506D	Gasket (607)	10	**21.08**
SPX0507D	Back Retaining Ring (SP0607)	5	**41.34**
SPX0607Z1A	Screw Set	25	**21.45**
SPX0608C	Face Ring Assembly, White	10	**32.21**
SPX0608CDGR	Face Ring Assembly, Dark Gray	10	**30.38**
SPX0608G	Gasket	10	**11.30**
SPX0608CP	Cord Seal Kit	10	**11.30**

Cat. Nos. LFGUY1000 & LGGUY1000 PVC Niches

Part No.	Description	Ctn. Qty.	List Price
SPX0608CP	Cord Seal Kit	10	**$11.30**
SPX0800LPAK2	Latch for Shallow Niche	10	**7.14**
SPX0506A	Front Frame, CPB	5	**279.10**
SPX0506D	Gasket	10	**21.08**
SPX0506Z1A	Screw Set	1	**28.34**
SPX0800Z1	UCL Pool Light Retainer Screw Kit	10	**17.95**
SPX0601Z2PAK4	UCL Spa Light Plastic Retainer Screw Kit	10	**6.57**

Cat. No. SP0507 Shell Assemblies

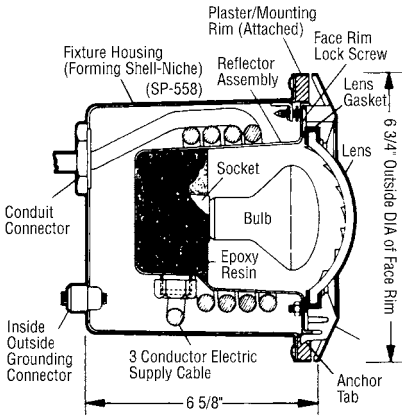
Part No.	Description	Ctn. Qty.	List Price
SPX0507A1	Front Frame, ABS, White	5	**$43.76**
SPX0506D	Gasket	10	**21.08**
SPX0507D	Back Retaining Rim	5	**41.34**



SP0507, 0607

Cat. Nos. SP0550, 0551 (StarLite II Series)

Part No.	Description	Ctn. Qty.	List Price
SPX0550Z2	Lens Gasket, Hi-Temp	20	**$31.07**
SPX0540Z4A	No. 10-24 Hex. Nut with Washer for Studs	10	**12.63**
SPX0550Z4	100 Watt, 12 Volt Bulb, R-20	12	**62.76**
SPX0551Z4	100 Watt, 120 Volt Bulb, R-20	1	**41.27**



SP0550

Cat. No. SP056525, SP056525A – Elite Above-Ground Light

Part No.	Description	Ctn. Qty.	List Price
SPX0565Z1	Replacement 12 Volt/50 Watt Halogen Lamp with Reflector	20	**$75.10**
SPX0565BA	Lens for Model SP056525A	6	**159.48**
SPX0565G	Gasket	10	**27.09**
SPX0565N	Fastening Nut	10	**17.90**

Cat. No. LACUx11xxx – 320/160

Part No.	Description	Ctn. Qty.	List Price
GLX-HAL-CRING	Replacement Compression Ring for 320/160	5	**$22.11**

Suction Outlets

REPLACEMENT PARTS



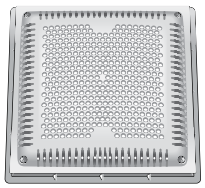
WG1051AVPAK2



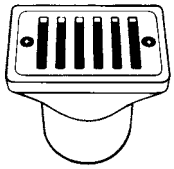
WG1153AVPAK2



WG1030AVPAK2



WG1032HF2PAK2



SP1019

Suction Outlets

Part Number	Description	Ctn. Qty.	List Price
SPX1411Z5A	Grate Securing Screw *(Set of 2)*– SP1048C	25	**$8.22**
WGX1153B*	Extension Collar with Inserts	10	**21.40**
SPX1058DPAK2	Gasket Kit *(Set of 2)*– SP1058, SP1059	25	**29.33**
WGX1048B*	Vinyl Ring, 7 7/8" O.D. (SP1048, SP1049, WG1048, WG1049)	40	**17.53**
SPX1048DPAK2	Gasket Kit *(Set of 2)*– SP1048, SP1049, WG1048, WG1049	50	**15.51**
SPX1039Z18	Vinyl Ring Screw *(Set of 8)* (SP1048, SP1049, WG1048, WG1049)	20	**13.30**
WGX1048E*,**	Cover, Suction Outlet – White (All Round Suction Outlets)	10	**28.76**
SPX1030Z1A	Cover Screw *(Set of 2)* (SP1048E only)	25	**4.80**
WGX1030Z1A	Cover Screw *(Set of 2)* (WGX1048E on drains without metal inserts only)	100	**5.76**
WGX1030Z1AM	Cover Screw *(Set of 2)* (WGX1048E on drains with metal inserts only)	100	**5.76**
SPX1030Z2A	Cover Screw *(Set of 2)* (SPX1048E on SP1048, SP1049 drains only)	25	**4.70**
WGX1030Z2A	Cover Screw *(Set of 2)* (WGX1048E on SP1048, SP1049 drains without metal inserts only)	100	**5.74**
WGX1030Z2AM	Cover Screw *(Set of 2)* (WGX1048E on SP1048, SP1049 drains with metal inserts only)	100	**5.66**
SPX1051Z1	1 1/2" Plastic Pipe Plug	50	**4.83**
SPX1053Z1	2" Plastic Pipe Plug	100	**5.10**
SPX1035B	Gasket (SP1035AV)	—	**Discont'd**

NOTES: *Available in Gray, Dark Gray and Black – add suffix GR for Gray, DGR for Dark Gray and BLK for Black.
**Includes all necessary cover screw sets for use on sumps and frames with or withour metal inserts.

Gutter Drains

Part Number	Description	Ctn. Qty.	List Price
SP1019BA	Grate with Screw Set (SP1019)	100	**$7.19**

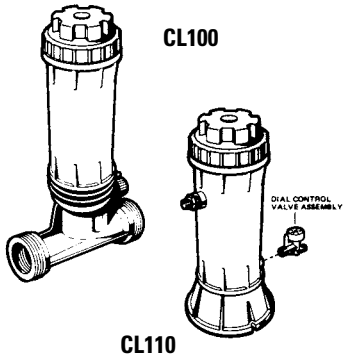
Stratum® Vacuum Release System

Part Number	Description	Ctn. Qty.	List Price
VRX100BF	5/16" Tube Bulkhead Fitting	1	**Discont'd**
VRX100E	Solenoid Valve	12	**Discont'd**
VRX100PAK	Tube Replacement Kit	5	**Discont'd**
VRX100H	Electrical Fuses *(pack of 10)*	—	**Discont'd**
VRX100F	Vent Filter	5	**Discont'd**
VRX100KIT2	Saddle Clamp Kit	5	**Discont'd**
CLX220J25	5/16" Tube x 25'	5	**Discont'd**
VRXPCBA	Circuit Board	1	**Discont'd**

CL100 and CL110 Series Chlorine Feeders

Part No.	Description	Ctn. Qty.	List Price
CLX110C*	Cover	8	**$28.66**
CLX110K	O-Ring, Special Composition Viton	100	**35.58**
CLX110DA	Dial Control Valve Assembly	50	**31.91**
CLX110FA	Control Knob Assembly (CL100)	100	**23.47**

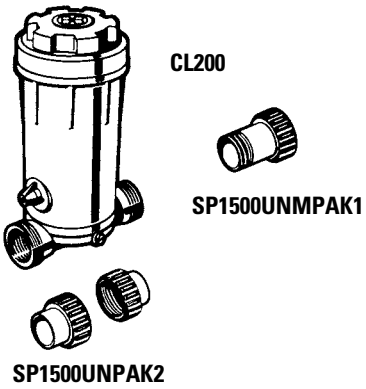
NOTES: Fittings, tubing, clamps, drain plug and check valve are same as CL200 and CL220 Series.
*For bromine feeders, add a "2" to the end of the part number.

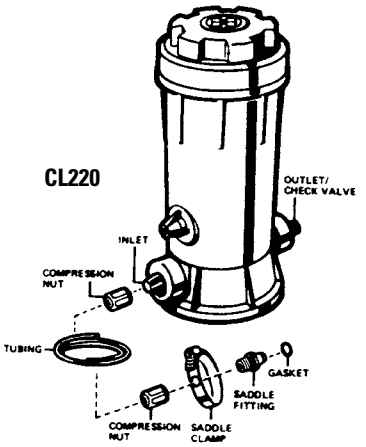


CL200 and CL220 Series Chlorine Feeders

Part No.	Description	Ctn. Qty.	List Price
CLX200EGA	Cover Retaining Screw with Slip Washers and Center Cap	50	**$15.51**
CLX200C*	Cover Cap	5	**34.79**
CLX200CA	Cover and Cap Assembly (Includes O-Ring)	5	**119.50**
CLX200B*	Cover	5	**28.96**
CLX200K	O-Ring, Special Composition Viton	100	**39.54**
CLX200DA	Feeder Tube and Boot	40	**8.15**
CLX200PA	Control Knob Assembly with O-Rings (Viton) – large (1989)	100	**24.23**
SPX1700FGV	Drain Plug with Gasket	100	**7.58**
CLX220B	Base (CL220)	10	**24.45**
CLX200BS	Base (CL200)	10	**26.94**
CLX220EA	Check Valve and Inlet Fitting Adapter Assembly	100	**21.00**
CLX220G	Saddle Fitting	100	**4.78**
CLX220GA	Saddle Fitting, Nut, Gasket, Saddle Clamp and 4 ft. Tubing	20	**30.73**
CLX220K	Saddle Clamp	10	**11.89**
CLX220J	8 ft. Length Chlorinator Tubing	25	**19.40**
CLX220HPAK4	Compression Nut *(Set of 4)*	25	**14.75**
CLX220P	¼" Adapter Fitting	50	**3.59**
SPX1091Z7TC	Combo Adapter with ¼" Tap	50	**9.75**
SPX1105Z4TC	Elbow Adapter with ¼" Tap	10	**13.07**
SPX1480BTC	Union End with ¼" Tap	50	**24.94**
SP1500UNPAK2	Female Union End Connector Pak (Includes 2 each Socket Connector, Union Nut, O-Ring)	50	**21.84**
SP1500UNMPAK1	Male Union End Connector Pak (includes 1 each 1 ½" MPT Nipple Connector, Union Nut, O-Ring)	50	**19.60**

NOTE: *For bromine feeders, add a "2" to the end of the part number.

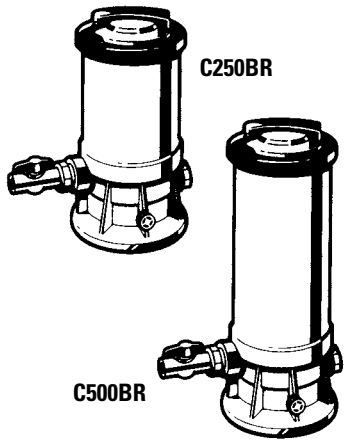




C250CF, 500CF, 1100CF, 1800CF Chemical Feeders (see note)

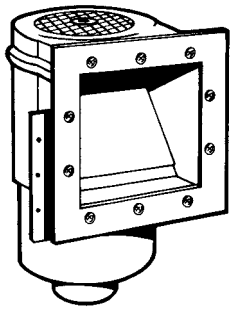
Part No.	Description	Ctn. Qty.	List Price
SPX3100D	Cover	10	**$83.05**
SP3100T	Cover Removal Tool	25	**27.36**
SPX3000SV	Cover O-Ring, Special Composition Viton	50	**64.86**
CX500J	Strainer	1	**25.76**
CX250Z14A	½" Drain Plug	50	**8.79**
SPX0605Z2V	Drain Plug O-Ring, Special Composition Viton	10	**10.59**
CX500BV	¾" Control Valve with Dial Indicator (C250BR, 500BR)	15	**71.65**
CX500CV	¾" Check Valve (C250BR, 500BR)	25	**67.71**
CX1100CV	1 ½" Check Valve	5	**154.58**
CX1100P	Handle for Control Valve	—	**Discont'd**

NOTE: Formerly "BR" (Bromine) and "BRC" (Chlorine) feeders.

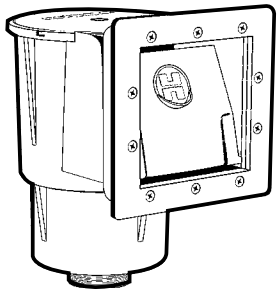


Automatic Skimmers

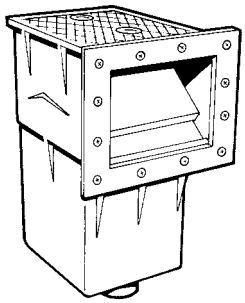
REPLACEMENT PARTS



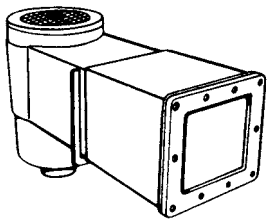
SP1092



SP1091LX



SP1089



SP1097

Cat. Nos. SP1090, SP1090WM, 1092

Part No.	Description	Ctn. Qty.	List Price
SPX1096CA	Basket, 5 1/8" O.D. x 3"	10	**$15.02**
SPX1096B	Cover	10	**20.49**
SPX1096A2	Basket Support Ring	50	**9.01**
SPX1096K	Weir	10	**27.01**
SPX1090D	Face Plate	50	**27.26**
SPX1094GPAK2	Gasket *(Set of 2)*	25	**14.01**
SPX1090GA	Throttle Plate with Screw	1	**18.00**
SPX1090Z1A	Face Plate Screw Set	1	**17.33**
SPX1030Z1C	Face Plate Screw Set – 1 1/4" long	10	**16.79**
SPX1090AA	Body with Basket Ring	—	**Discont'd**
SPX1092C	Access Plug	1	**26.81**

Wide Mouth Skimmer Parts – No. SP1090WM:

SPX1090WMCV	Cover	10	**$29.57**
SPX1090WMSB	Skimmer Basket	10	**18.59**
SPX1090WMW	Weir	10	**34.67**
SPX1090WMVA	Vacuum Adapter	10	**28.66**
SPX1090WMFP	Face Plate	10	**39.03**
SPX1090WMSG	Sealing Gasket *(Set of 2)*	50	**44.81**

Cat. Nos. SP1091LX, SP1091WM

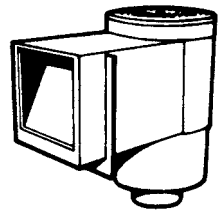
Part No.	Description	Ctn. Qty.	List Price
SPX1091B	Skimmer Cover	10	**$20.49**
SPX1091C	Basket with Handle	12	**14.38**
SPX1091K1	Weir	10	**25.73**
SPX1091D	Face Plate Standard	10	**26.05**
SPX1091E	Widemouth Extension	1	**45.97**
SPX1091F	Face Plate Widemouth	10	**29.57**
SPX1091G	Gasket STD, Butterfly	50	**13.30**
SPX1091GW	Gasket Widemouth, Butterfly	50	**23.74**
SPX1090Z6A	Standard Screw Set	50	**17.51**
SPX1090Z7A	Widemouth Screw Set	50	**33.39**

Cat. Nos. SP1094, 1094SPA, 1094H, 10950M

Part No.	Description	Ctn. Qty.	List Price
SPX1094FA	Basket – 4 3/4" O.D. x 3"	10	**$14.33**
SPX1094C	Cover	24	**22.43**
SPX1094K	Weir	10	**27.01**
SPX1094B	Face Plate	10	**24.03**
SPX1094GPAK2	Gasket Kit *(Set of 2)*	25	**14.01**
SPX1030Z1C	Face Plate Screw Set – 1 1/4" (SP1094SPA)	10	**16.79**
SPX1094R	Face Plate Cover – Snap-On	30	**22.85**
SPX1090Z1A	Face Plate Screw Set	1	**17.33**

Cat. No. SP1089

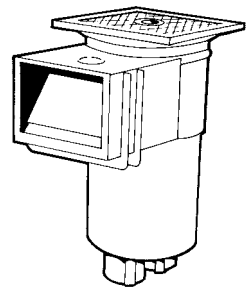
Part No.	Description	Ctn. Qty.	List Price
SPX1088B	Cover	20	**$36.86**
SPX1088GA	Basket Assembly	10	**44.32**
SPX1089K	Weir	10	**39.30**
SPX1084L	Face Plate	20	**17.88**
SPX0097E	Gasket	10	**9.04**
SPX1084Z4A	Face Plate Screw Set	20	**19.53**



SP1096

Cat. Nos. SP1096, 1097, 1098

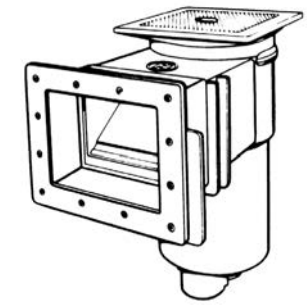
SPX1096B	Cover	10	**$20.49**
SPX1096AX	Adjusting Collar	10	**26.77**
SPX1096CA	Basket, 5 1/8" O.D. x 3"	10	**15.02**
SPX1096A2	Basket Support Ring	50	**9.01**
SPX1096K	Weir	10	**27.01**
SPX1097D	Face Plate (SP1097, 1098)	5	**30.16**
SPX0097E	Gasket	10	**9.04**
SPX1090Z1A	Face Plate Screw Set	1	**17.33**



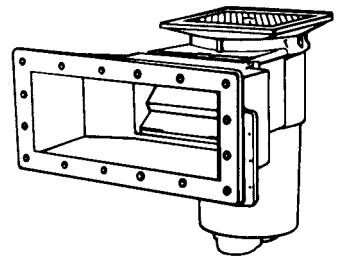
SP1082

Cat. Nos. SP1082, 1083, 1084, 1085, 1086

SPX1082E*	Cover, Square	10	**$26.84**
SPX1082Z1	Cover Screw (Square Cover)	25	**2.17**
SPX1082F	Adjusting Collar, Square – 4.5" Extension	5	**50.48**
SPX1082EFDGR	Square Collar and Cover Assembly – Dark Gray	4	**70.00**
SPX1084R**	Cover, Round	10	**43.80**
SPX1084RADGR	Round Collar and Cover Assembly – Dark Gray	5	**61.85**
SPX1084Z9	Cover Screw (Round Cover)	10	**5.17**
SPX1084P**	Round Extension Collar	10	**34.67**
SPX1082CA	Basket with Handle	18	**17.24**
SPX1082N2	Handle for SPX1082CA Basket	50	**3.89**
SPX1082D	Basket Support Ring	40	**9.01**
SPX1082K**	Weir	10	**26.17**
SPX1082H1A	Slide Plate with Screw	10	**9.87**
SPX1082Z3	Vacuum Hose Adapter	20	**10.37**
SPX1053Z1	2" Pipe Plug	100	**5.10**
SPX1082Z2	2" x 1 1/2" Reducing Bushing	—	**Discont'd**
SPX1084L**	Face Plate (SP1084)	20	**17.88**
SPX1085B**	Face Plate (SP1085)	10	**33.73**
SPX1084BPAK2	Gasket Kit (SP1084) *(Set of 2)*	25	**17.56**
SPX1085DPAK2	Gasket Kit (SP1085) *(Set of 2)*	50	**31.67**
SPX1084C	Spacer (SP1084)	1	**19.90**
SPX1084Z1A	Face Plate Screw Set (Fine Threads) SP1084	20	**22.01**
SPX1084Z4A	Face Plate Screw Set (Coarse Threads) SP1084	20	**19.53**
SPX1084Z4AM	Face Plate Screw Set 1 1/4" Long (Coarse Threads) SP1084	25	**20.49**
SPX1085Z1A	Face Plate Screw Set (Coarse Threads) SP1085	25	**27.26**
SPX1085Z1AM	Face Plate Screw Set 1 1/4" Long (Coarse Threads) SP1085	50	**31.79**
SPX1084B3PAK2	Gasket Kit (SP1084OM) *(Set of 2)*	25	**19.11**
SPX1084B3PAK2	Gasket Kit (SP1085OM) *(Set of 2)*	25	**19.11**
SPX1080EA	Basket with Sleeve	5	**30.06**
SPX1080AA	Flo-Selector Control with Valve	5	**66.16**
SPX1080D	Skimmer Throttling Plate	5	**20.17**
WGX1082E	NSF listed replacement cover (Auto-Skim, Square)	10	**50.88**



SP1084



SP10851

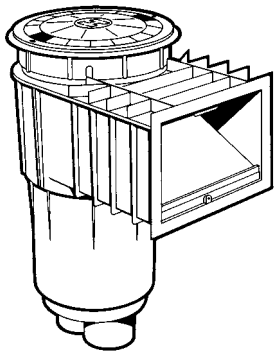
Turbo Skimmer Parts – Skimmer Nos. SP1082T, 1084T Series:

SPX1084KA	Turbo Boost Valve Assembly	—	**Discont'd**

NOTES: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.
**Also available in Dark Gray. Add suffix DGR for Dark Gray.

Automatic Skimmers

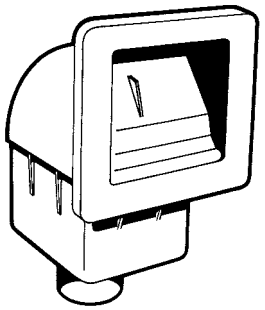
REPLACEMENT PARTS (continued)



SP1071

Cat. Nos. SP1075, 1075T, 1076, 1077

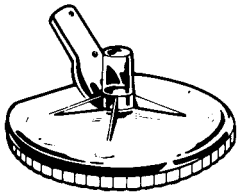
Part No.	Description	Ctn. Qty.	List Price
SPX1075C1	Cover, White	10	**$34.45**
SPX1084Z9	Cover Screw	10	**5.17**
SPX1075B	Adjusting Collar	5	**28.02**
SPX1082K	Weir	10	**26.17**
SPX1082CA	Basket – 6 ½" O.D. x 5"	18	**17.24**
SPX1075F	Flo-Control Slide Plate with Screw	50	**17.58**
SPX1075L	Multi-Flo Valve Control (SP1075T)	25	**36.54**
SPX1084L	Face Plate (SP1076)	20	**17.88**
SPX1085B	Face Plate (SP1077)	10	**33.73**
SPX1084BPAK2	Gasket Kit *(Set of 2)* – SP1076	25	**17.56**
SPX1085DPAK2	Gasket Kit *(Set of 2)* – SP1077	50	**31.67**
SPX1084Z4A	Face Plate Screw Set (Self-Tapping) (SP1076)	20	**19.53**
SPX1084Z4AM	Face Plate Screw Set – 1 ¼" long (Self-Tapping)	25	**20.49**
SPX1085Z1A	Face Plate Screw Set (Self-Tapping) (SP1077)	25	**27.26**
SPX1085Z1AM	Face Plate Screw Set – 1 ¼" long (Self-Tapping)	50	**31.79**



SP1099S

Cat. No. SP1070, SP1071 Series Skim-Master

SPX1070Z3PAK2	Cover Retaining Screw *(Set of 2)*	25	**$4.26**
SPX1070C*	Cover	10	**37.38**
SPX1070C10	Cover, Tan	10	**37.38**
SPX1070B	Adjusting Collar, White	5	**30.29**
SPX1070B10	Adjusting Collar, Tan	5	**29.99**
SPX1070BA*	Adjusting Collar and Cover Assembly	5	—
SPX1070E2	Basket Handle	100	**9.92**
SPX1070KHR	Weir Assembly with Bumper Pad (for 1070 Series)	10	**40.95**
SPX1071K*	Weir Assembly with Bumper Pad (for 1071 and 1072 Series)	10	**37.25**
SPX1070E	Basket – 8 ¼" O.D. x 5 ¼"	12	**18.98**
SPX1082H1B	Flo-Control Slide Plate with Screw	100	**9.87**
SP1070FV	Float Valve Assembly (for 1070 and 1071 Series)	24	**52.94**
SPX1070FA	Flo-Control Trimmer Plate with Screw	100	**7.41**
SP1072FV	Float Valve Assembly (for 1072 Series)	20	**50.43**
WGX1070C	NSF listed replacement cover (Round)	10	**41.93**



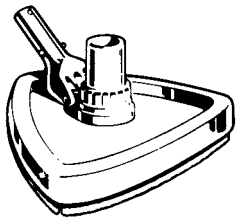
SP1067

Cat. No. SP1099S Spa Skimmer

SPX1099B	Basket	10	**$25.12**
SPX1099K	Weir	10	**32.82**
SPX1099C	Cover Plate, ABS	50	**18.34**
SPX1099E	Gasket	50	**9.58**
SPX1099FG	Air Relief Valve Kit	—	**Discont'd**

NOTES: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

VACUUM CLEANER HEADS



SP1068

Cat. No. SP1067 / SP1067R (Rubber) Power-Vacs

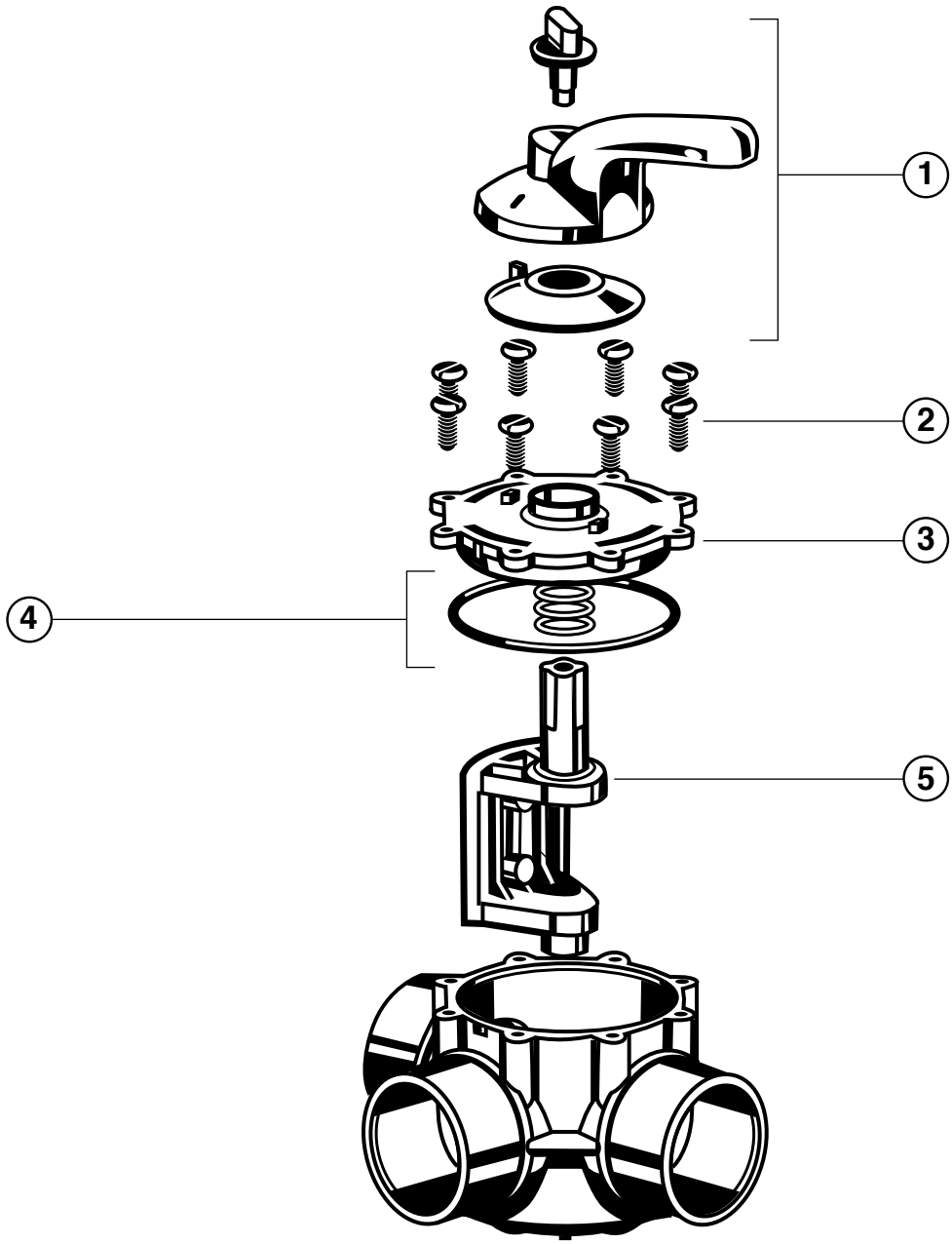
Part Number	Description	Ctn. Qty.	List Price
SPX1067C	Brush Set	10	**$45.18**
SPX1067QA	Quik-Snap Handle Connector with Spring	25	**24.50**
SPX0068Z1A	Bracket Bolt with Nut	500	**7.02**

Cat. No. SP1068 / SP1068DL / 1069 /1069DL Super-Vacs

SPX1068G3	Brush *(Set of 3)* – for SP1068	40	**$45.26**
SPX1068C	Knurled Locknut	10	**8.22**
SPX1068DE	Swivel Hose Connector Set, 1 ¼" and 1 ½"	50	**14.11**
SP1068FA	Weight Pak *(Set of 3)*	25	**27.43**
SPX0068Z1A	Bracket Bolt with Nut	500	**7.02**
SPX1067QA	Quik-Snap Handle Connector with Spring	25	**24.50**
SPX1067S	Snap-Spring only	25	**4.09**

PSV Series Diverter & Check Valves

REPLACEMENT PARTS



Parts Diagram and Parts Listing

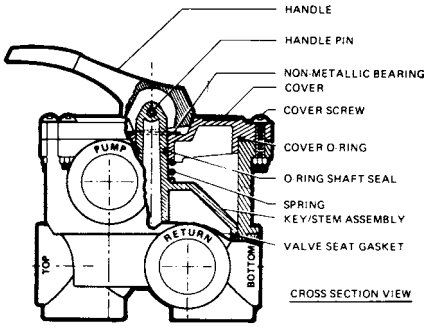
Ref. No.	Part No.	Description	Ctn Qty.	No. Req'd	List Price
1	PSXVCA*	Handle/Index Kit	10	1	**$15.54**
2	PSXVZ1A*,**	Screw Set (8 pcs.)	—	1	**Discont'd**
3	PSXVB*	Cover	10	1	**20.54**
4	PSXVZ2A*,**	Key and Cover O-Ring Kit	200	1	**10.00**
5	PSXVDE*	Valve Key Assembly	10	1	**45.48**
—	PSXVBCA*	Upper Valve Kit (Includes #'s 1-5)	10	1	**105.78**
—	PSXCVBAH**	Check Valve Cover and Flapper Replacement Kit	15	1	**39.08**

NOTE: *Parts used on Diverter Valves. **Parts used on Check Valves.

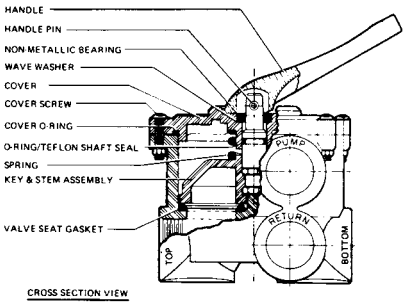
Multiport Valves

REPLACEMENT PARTS

SP0710X SERIES (1977)



SP0710 SERIES (1969–1975)



Cat. Nos. SP0710, 0710X, 0711, 0712, 1½" Vari-Flo Valves (1976-)

Part No.	Description	Ctn. Qty.	List Price
SPX0710XF	Handle	10	**$20.02**
SPX0710XZ7	Handle Pin	50	**7.90**
SPX0710Z16	Non-Metallic Bearing *(Pack of 5)*	50	**5.34**
SPX0710XZ5	Cover O-Ring	10	**15.04**
SPX0735GA	O-Ring/Teflon Shaft Seal	100	**7.81**
SPX0710G	Valve Position Label	50	**7.63**
SPX0710Z1A	Cover Screw with Nut *(Set of 6 each)*	10	**23.74**
SPX0603S	Spring	50	**17.01**
SPX0710Z62	Spring Washers *(Set of 2)*	10	**7.63**
SPX0710K	¼" Plastic Pipe Plug	10	**3.64**
SPX0710XD	Valve Seat Gasket, 5 Spoke – for "X" Valve Body	50	**23.37**
SPX0710XC	Key/Stem Assembly	50	**55.35**
SPX0710XBA	Key, Cover and Handle Assembly, White	5	**Discont'd**
SPX0710XBA17	Key, Cover and Handle Assembly, Black	5	**142.37**
SPX0710MA	Threaded Sight Glass with Gasket	50	**10.64**
SX200Z9	Gasket for Threaded Sight Glass	25	**2.17**
SPX0710XALLAA	Valve Body with Gasket and Sight Glass – Style "ALL"	—	**Discont'd**
SPX0710XA3A	Valve Body with Gasket and Sight Glass – Style 3	—	**Discont'd**
SPX0710X32AA	Valve Body with Gasket and Sight Glass – with Filter Tank Pipes and Locknuts – for S200, S240 **only**	1	**Discont'd**
SPX0710XR50AA	Valve Body and Sight Glass – with Filter Tank Pipes and Locknuts. "Reverse" style – for DE Series **only**	1	**Discont'd**
SPX0710X62AA	Valve Body with Gasket and Sight Glass – with Filter Tank Pipes and Locknuts – for Pro Series (Side Mount) **only**	1	**Discont'd**
SPX0710Z9	3M Adhesive, 5 oz. tube for Valve Seat Gasket	10	**76.11**

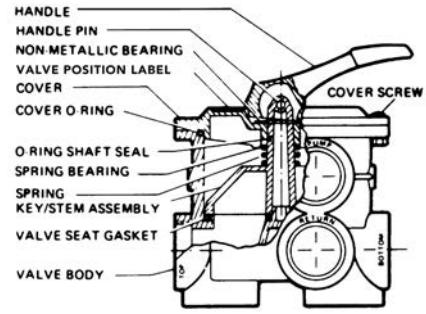
NOTE: Parts below are for SP0710 and 0711 Series (1969–1975). These parts are *NOT* interchangeable with current production models.

SPX0710Z7	Handle Pin	0	**$7.68**
SPX0710Z3	Cover O-Ring	50	**13.67**
SPX0603Z2A	O-Ring/Teflon Shaft Seal	1	**8.52**
SPX0710D	Valve Seat Gasket, 6 Spoke	10	**30.68**
SPX0710XBA	Key, Cover and Handle Assembly – Replaces SPX0710B (cover) and SPX0710C	5	**142.37**

Cat. Nos. SP0715, 0716, 2" Vari-Flo Valves

Part No.	Description	Ctn. Qty.	List Price
SPX0710FL	Handle, Large	25	**$30.70**
SPX0715F	Handle, Standard	—	**Discont'd**
SPX0710XZ7	Handle Pin	50	**7.90**
SPX0710Z16	Non-Metallic Bearing *(Pack of 5)*	50	**5.34**
SPX0715G	Valve Position Label	10	**10.12**
SPX0710Z1A	Cover Screw with Nut *(Set of 6 each)*	10	**23.74**
SPX0715Z1	Cover O-Ring	10	**16.89**
SPX0603S	Spring	50	**17.01**
SPX0710Z62	Spring Washers *(Set of 2)*	10	**7.63**
SPX0735GA	O-Ring/Teflon Shaft Seal	100	**7.81**
SPX0710K	¼" Plastic Pipe Plug	10	**3.64**
SPX0715D	Valve Seat Gasket	50	**35.78**
SPX0715C	Key/Stem Assembly – Noryl	10	**83.89**
SPX0715BA	Key, Cover and Handle Assembly, White	4	**Discont'd**
SPX0715BA3	Key, Cover and Handle Assembly, Black	4	**223.11**
SPX0715ALLAA	Valve Body with Gasket and Sight Glass – Style "ALL"	—	**Discont'd**
SPX0715XR50AA	Valve Body with Gasket and Sight Glass – with Filter Tank Pipes and Locknuts. "Reverse" style – for DE only	1	**402.07**
SPX0710MA	Threaded Sight Glass with Gasket	50	**10.64**
SX200Z9	Gasket for Threaded Sight Glass	25	**2.17**

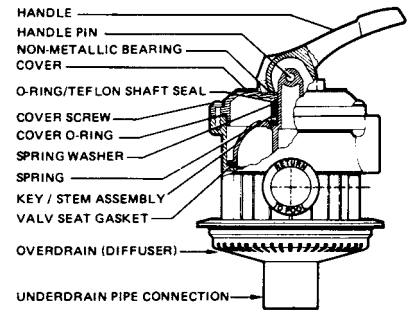
SP0715 SERIES



Cat. No. SP0704, 1½" Vari-Flo Valve – 4 Position

Part No.	Description	Ctn. Qty.	List Price
SPX0710XF	Handle	10	**$20.02**
SPX0710XZ7	Handle Pin	50	**7.90**
SPX0710Z16	Non-Metallic Bearing *(Pack of 5)*	50	**5.34**
SPX0704B2	Cover, Black	15	**39.54**
SPX0704F	Cover O-Ring	100	**9.80**
SPX0704HA	O-Ring/Teflon Shaft Seal	10	**8.72**
SPX0603S	Spring	50	**17.01**
SPX0710Z62	Spring Washers *(Set of 2)*	10	**7.63**
SPX0704D	Valve Key Gasket	50	**25.16**
SPX0704CA	Key and Gasket Assembly	1	**63.82**
SPX0704BA	Key, Cover, Gasket and Handle Assembly	1	**Discont'd**
SPX0704AA	Valve Body with Diffuser	—	**Discont'd**

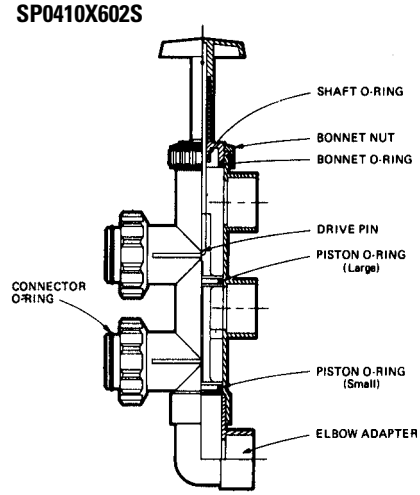
SP0704 SERIES



Cat. Nos. SP0410X Series Slide Valve

Part No.	Description	Ctn. Qty.	List Price
SPX0410BA	Handle and Piston Assembly	15	**$141.48**
SPX0410BK	Piston only with Pin	10	**24.94**
SPX0722D2	Bonnet Nut, Black	50	**11.28**
SPX0722GH	Bonnet O-Ring Kit	10	**7.41**
ECX9611246	Shaft O-Ring	—	**Discont'd**
ECX9611246PAK3	Shaft O-Ring *(Set of 3)*	25	**4.51**
SPX0410Z2	Piston O-Ring, Large	100	**16.15**
SPX0410K	Drive Pin	50	**6.48**
SPX0410Z1	Piston O-Ring, Small	100	**16.15**
SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	**8.96**

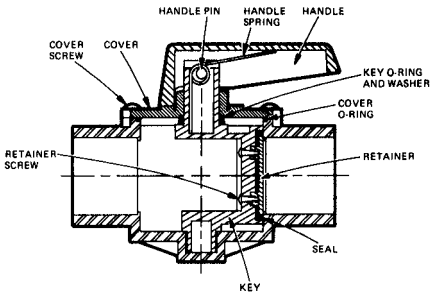
SP0410X602S



Multiport Valves

REPLACEMENT PARTS (continued)

SP0733S



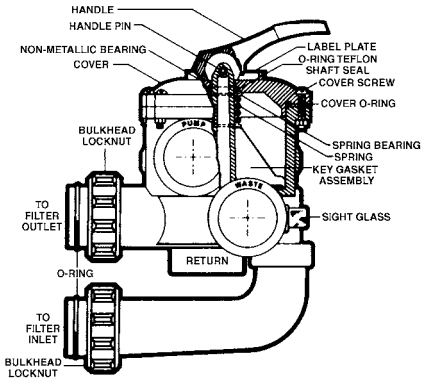
Cat. No. SP0733 Series Dial-A-Flo Valves

Part No.	Description	Ctn. Qty.	List Price
SPX0733D	Handle	—	**Discont'd**
SPX0733H	Handle Pin	—	**Discont'd**
SPX0733J	Handle Spring	—	**Discont'd**
SPX0733B	Cover with Label	50	**Discont'd**
SPX0733Z3A	Cover Screw *(Set of 8)*	50	**$15.39**
SPX0733Z2A	Cover O-Ring with Washer and Spacer	10	**Discont'd**
SPX0733Z1A	Key O-Ring with Washer and Spacer	—	**Discont'd**
SPX0733E	Seal	10	**Discont'd**
ECX1019	Retainer Screw	—	**Discont'd**
SPX0733CA	Key and Seal Assembly with O-Ring	—	**Discont'd**
SPX0733BA	Key, Seal, Cover and Handle Assembly	—	**Discont'd**

Cat. No. SP0727 Perflex Diverter Valve (Not Illustrated)

Part No.	Description	Ctn. Qty.	List Price
SPX0727D	Handle	1	**$16.57**
SPX0733H	Handle Pin	—	**Discont'd**
SPX0727J	Handle Spring	—	**Discont'd**
SPX0727K	O-Ring, Cover	1	**6.67**
SPX0733Z3A	Cover Screw *(Pkg. of 8)*	50	**15.39**
SPX0727H	Seal	0	**9.50**
SPX0733Z1A	O-Ring (Key)	—	**Discont'd**
SPX1483C	O-Ring (Union)	10	**5.17**
SPX0727E	Union Nut	10	**25.85**

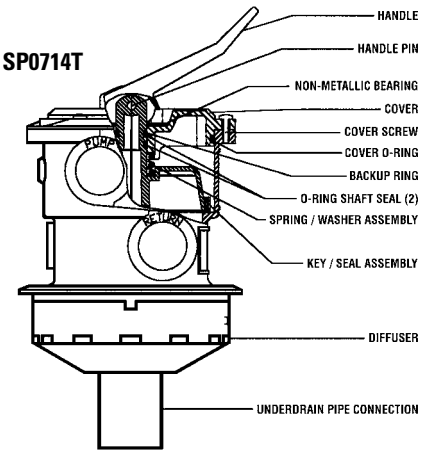
SP0740DE



Cat. No. SP0740DE 2" Selecta-Flo™ Valve

Part No.	Description	Ctn. Qty.	List Price
SPX0710FL	Handle, Large	25	**$30.70**
SPX0710XZ7	Handle Pin	50	**7.90**
SPX0710Z16	Non-Metallic Bearing *(Pack of 5)*	50	**5.34**
SPX0740B	Cover	10	**71.63**
SPX0710Z1A	Cover Screw with Nut *(Set of 6 each)*	10	**23.74**
SPX0715Z1	Cover O-Ring	10	**16.89**
SPX0603S	Spring	50	**17.01**
SPX0704HA	O-Ring/Teflon Shaft Seal	10	**8.72**
SPX0710Z62	Spring Washers (*Set of 2)*	10	**7.63**
SPX0740D	Valve Seat Gasket	50	**34.52**
SPX0740C	Key/Stem Assembly	10	**80.37**
SPX0740BA	Key, Cover, Handle Assembly	1	**226.43**
SPX0740AA	Valve Body with Gasket and Sight Glass – with Tank Pipes and Locknuts	—	**Discont'd**
SX200Z4PAK2	Valve/Union O-Ring *(Set of 2)*	25	**8.96**

SP0714T



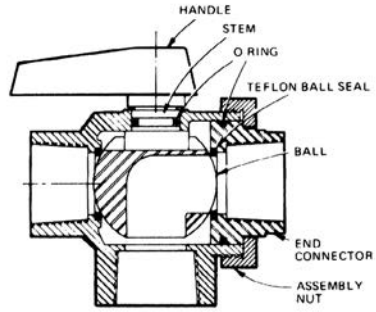
Cat. No. SP0714T Vari-Flo™ XL Valve

Part No.	Description	Ctn. Qty.	List Price
SPX0710XF	Handle	10	**$20.02**
SPX0710XZ7	Handle Pin	50	**7.90**
SPX0710Z16	Non-Metallic Bearing *(Pack of 5)*	50	**5.34**
SPX0714G	Valve Position Label	50	**7.46**
SPX0714BA	Key, Cover and Handle Assembly	5	**160.22**
SPX0714Z1	Cover Screw *(Set of 6)*	10	**19.82**
SPX0714L	Cover O-Ring	50	**11.60**
SPX0735GA*	O-Ring Shaft Seal Assembly	100	**7.81**
SPX0710Z62	Spring Washers *(Set of 2)*	10	**7.63**
SPX0714CA	Key/Seal Assembly	10	**60.82**
SPX0714D	Diffuser	5	**58.90**
SPX0714A	Valve Body with Gasket and Sight Glass	1	**Discont'd**

NOTE: *Two required for each valve.

Cat. Nos. SP0720, 0730, 0735 Ball Valves

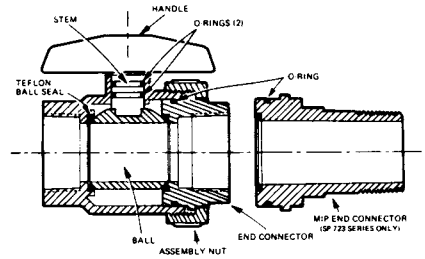
Part No.	Description	Ctn. Qty.	List Price
SPX0735D	Handle	10	**$15.17**
SPX0735F	Stem	1	**10.64**
SPX0735GH	O-Ring, Stem and End Connector	100	**10.32**
SPX0735E	Assembly Nut	50	**11.25**
SPX0720P2	Teflon Ball Seal *(Set of 2)* (SP0720, 0730)	10	**12.58**
SPX0735P2	Teflon Ball Seal *(Set of 2)* (SP0735)	1	**13.22**
SPX0720B	End Connector – Threaded (SP0720, 0730)	—	**Discont'd**
SPX0735B	End Connector – Threaded (SP0735)	40	**21.05**
SPX0735C	Ball (SP0735)	5	**37.67**



SP0735

Cat. Nos. SP0722, 0723 and UN, 1½" Trimline Ball Valves

Part No.	Description	Ctn. Qty.	List Price
SPX0722F	Handle	100	**$7.81**
SPX0722B7	Stem	10	**7.19**
SPX0720P2	Teflon Ball Seal *(Set of 2)* – 1976 and Prior	10	**12.58**
SPX0722P2	Teflon Ball Seal *(Set of 2)*	100	**14.33**
SPX0722GH	Bonnet O-Ring Kit	10	**7.41**
SPX0722D	Assembly Nut	50	**11.28**
SPX0722C7	Ball	10	**16.69**
SPX0722ET7	End Connector – FIP	—	**Discont'd**
SPX0722ES7	End Connector – SKT	40	**14.01**
SPX0723ET7	End Connector – MIP	40	**17.41**
SPX0722UT	Union End Connector – FIP (UN Series only)	—	**Discont'd**
SPX0722US	Union End Connector – SKT (UN Series only)	—	**Discont'd**
SPX1495Z1	End Connector O-Ring (UN Series only)	50	**3.77**



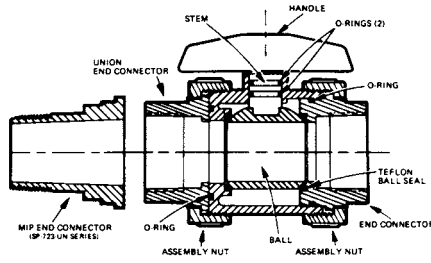
SP0722, 0723

Cat. Nos. SP0729 1½" 2-Way Ball Valves

Part No.	Description	Ctn. Qty.	List Price
SPX0728D	Handle	10	**$8.62**
SPX0728H	O-Ring, End Connector	10	**4.70**

Cat. Nos. SP0724, 0725, 0726, 2" Trimline Ball Valves

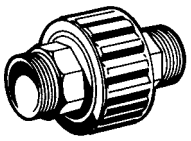
Part No.	Description	Ctn. Qty.	List Price
SPX0724J	Handle	25	**$16.45**
SPX0724B	Stem	—	**Discont'd**
SPX0724GA	Teflon Ball Seal *(Set of 2)* with O-Ring Stem and End Connector	1	**26.20**



SP0722UN, 0723UN

Unions

REPLACEMENT PARTS



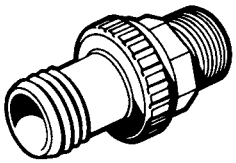
SP1480 SERIES

Cat. Nos. SP1480, 1482, 1484, 1485 Self-Align Unions

Part No.	Description	Ctn. Qty.	List Price
SPX1480C	Union Nut	10	**$17.01**
SPX1425Z6	O-Ring	25	**4.16**
SPX1485C	Gasket	25	**6.43**

Cat. Nos. SP1491, 1492, 1493 Econo-Unions

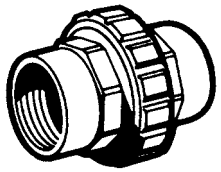
Part No.	Description	Ctn. Qty.	List Price
SPX1491B	O-Ring	10	**$3.59**
SPX1068C	Union Nut	10	**8.22**



SP1493

Cat. Nos. SP1495 (1 ½") and SP1498 (2") Flush Unions

Part No.	Description	Ctn. Qty.	List Price
SPX1495Z1	O-Ring	50	**$3.77**
SPX1495C	Union Nut	50	**11.15**
SX200Z3	O-Ring (2")	50	**6.38**
SPX1498C	Union Nut (2")	50	**42.60**



SP1495

JUNCTION BOXES

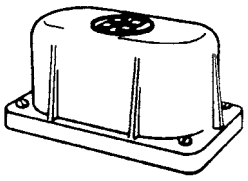
Cat. No. LJBUY10UU1

Part No.	Description	Ctn. Qty.	List Price
SPX1500NPAK4	Screw and Nut Kit *(Set of 4)*	—	**Discont'd**

Cat. Nos. SP0680, 0681 (Lexan®)

Part No.	Description	Ctn. Qty.	List Price
SPX0680LA	Packing Gland Nut, Bushing and Washer, 10-3	—	**Discont'd**
SPX0680J	¾" Noryl® Pipe Plug	—	**Discont'd**

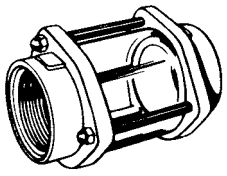
IN-LINE SIGHT GLASSES



SP0680

Cat. Nos. SP1072, 1074 (Cycolac)

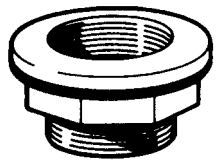
Part No.	Description	Ctn. Qty.	List Price
SPX0072D	Cylinder, 2 ½" O.D. x 2 ⅜"	25	**$32.82**
SPX107242	Gasket *(Set of 2)*	1	**7.76**
SPX10723A	Bolt with Nut	—	**Discont'd**
Miscellaneous			
SPX0404A	Threaded Eyebolt – for SP0404	10	**$7.41**
SPX0392BA	Brass Wedge, Bolt with Washer – for SP392, 393	50	**48.98**
SPX1392CA	Wedge, Bolt with Washer – for SP1392	50	**20.17**
ECX1308	"Schmear" Compound for Field Repairs, White	1	**57.45**
ECX1308IVY	"Schmear" Compound for Field Repairs, Ivory	—	**Discont'd**



SP1072

Cat. Nos. SP1023, 1023G, 1024, 1025

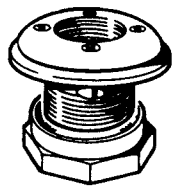
Part No.	Description	Ctn. Qty.	List Price
SPX1023B	Locknut for 1 ½" SP1023 Fitting	50	**$8.22**
SPX1023Z3	Fiber Slip Washer for 1 ½" SP1023 Fitting	20	**2.98**
SPX0023Z12	Gaskets for 1 ½" SP1023 Fitting *(Set of 2)*	20	**8.62**
SPX0023Z2	Butterfly Gasket for SP1023G Fitting	25	**13.00**
SPX1025Z12	Gasket *(Set of 2)* – (SP1025)	10	**10.98**
SPX1025Z3	Fiber Slip Washer – (SP1025)	50	**4.21**
SPX1023Z1S2	Gaskets for 2" SP1023S2 Fitting *(Set of 2)*	20	**10.27**
SPX1408ADT*	2" to 1 ½" Adapter and O-Ring (SP1408S2, SP1023S2, SP1022S2)	10	**5.56**



SP1023

Cat. Nos. SP1411, 14071, 1408

Part No.	Description	Ctn. Qty.	List Price
SPX1411B	Face Plate (SP1411, 14071)	25	**$10.98**
SPX1408B*	Faceplate for 1 ½" SP1408 Fitting	100	**2.27**
SPX1411Z12PAK2	Gasket Kit (SP1411, SP14071) *(Set of 2)*	50	**10.42**
SPX1408C	Gasket for 1 ½" SP1408 Fitting	25	**5.61**
SPX1411Z1A	Faceplate Screw Set for SP1411 *(Set of 4)*	25	**15.96**
SPX1407D	Locknut Spacer (SP14071, 1408, 1025)	10	**9.60**
SPX1039Z1A	Faceplate Screw Set for SP1408 *(Set of 4)*	50	**8.89**
SPX1407DS2	Locknut Spacer for 2" SP1408S2 Fitting	10	**12.31**
SPX1408CS2	Gasket for 2" SP1408S2 Fitting	25	**7.46**
SPX1408BS2*	Faceplate for 2" SP1408S2 Fitting	10	**2.68**
SPX1408ADT*	2" to 1 ½" Adapter and O-Ring (SP1408S2, SP1023S2, SP1022S2)	10	**5.56**
SPX1408Z1APAK6	Faceplate Screw Set for 2" SP1408S2 *(Set of 6)*	—	**Discont'd**

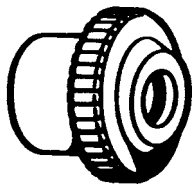


SP1408

NOTE: *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

Cat. Nos. SP1419, SP1420, SP1421 Series

Part No.	Description	Ctn. Qty.	List Price
SPX1419B1	Ball Seat	10	**$6.65**
SPX1419C1	Ball, Slotted	10	**7.26**
SPX1419C2	Ball, Slotted or 3/8" Hole	10	**6.62**
SPX1419C3	Ball, Slotted or ½" Hole	25	**6.82**
SPX1419C4	Ball, Slotted or ¾" Hole	25	**6.82**
SPX1419C5	Ball, Slotted or 1" Hole	10	**6.62**
SPX1419D1	Lock Ring	50	**3.96**
SPX1420A1	Rubber Flow Director	50	**7.81**



SP1421

Cat. No. SP1039

Part No.	Description	Ctn. Qty.	List Price
SPX1039BA	Face Plate with Gasket (2) and Screws (4)	25	**$38.81**



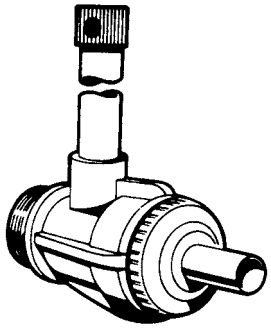
SP1425

Cat. Nos. SP1423, 1424, 1425

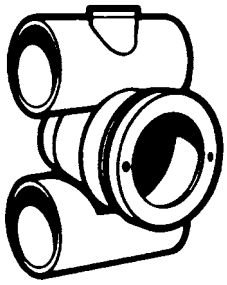
Part No.	Description	Ctn. Qty.	List Price
SPX1425C	Face Plate Grate (SP1423, 1424)	50	**$8.30**
SPX1425DA	Spinner Valve Assembly (SP1424, 1425)	25	**15.41**
SPX1425B	Top Diffuser Plate (SP1425)	50	**10.27**
SPX1425Z32	Face Plate Screw *(Set of 2)* (SP1423, 1424, 1425)	25	**4.53**
SPX1425Z6	O-Ring (SP1425)	25	**4.16**

Hydrotherapy Fittings

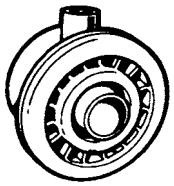
REPLACEMENT PARTS



SP14311, 2



SP1434



SP1450T

Cat. Nos. SP1430, 1431, 1432 Jet-Air® Fittings

Part No.	Description	Ctn. Qty.	List Price
SPX1430B	Small Nozzle (for SP1430)	25	**$10.98**
SPX14311S	½" x 18" Air Supply Tube (Complete)	25	**29.06**
SPX14312S	½" x 24" Air Supply Tube (Complete)	50	**31.05**
SPX1430Z1A	Air Tube Adjustment Cap with Air Tube Bushing	0	**15.07**
SPX1430B1	SPA Insert Bushing	10	**4.21**

Cat. Nos. SP1434, 1436, 1437 Series Jet-Air III Fittings

Part No.	Description	Ctn. Qty.	List Price
SPX1434EA*	Bulkhead Fitting with Gasket	25	**$14.06**
SPX1434DF	Lock Ring – for Ball Assembly with Nozzle Retaining Clip	100	**15.17**
SPX1434JA	Seal Rings and O-Ring Kit	100	**11.62**
SPX0720PE2	Seal Ring *(Set of 2)*	150	**12.11**

Cat. No. SP1450T Turbo Boost Spa Jet

Part No.	Description	Ctn. Qty.	List Price
SPX1450BG	Bulkhead Fitting with Gasket	25	**$18.42**

Cat. Nos. SP1440, 1444 Suction Fittings

Part No.	Description	Ctn. Qty.	List Price
SPX0023Z12	Gasket *(Set of 2)*	20	**$8.62**

WE BUILD BETTER.

Hayward is committed to crafting superior products that never ask you to compromise value for performance. And with our trade-exclusive Expert Line products, Totally Hayward® rewards and more, choosing Hayward means you're building better for your business, too.

Get started at hayward.com/expert



UNIVERSAL HC SERIES HEATER



TRISTAR® XE



OmniPL™



AQUARITE® S3



LED WATERBOWLS & SHEERS



HYDRAPURE™ UV & OZONE AOP SANITIZATION SYSTEM

EXPERT LINE® | NOT SOLD ONLINE | 3+ YEAR PARTS & LABOR WARRANTIES*

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We Build Better.™

Mobile phone not included with purchase.

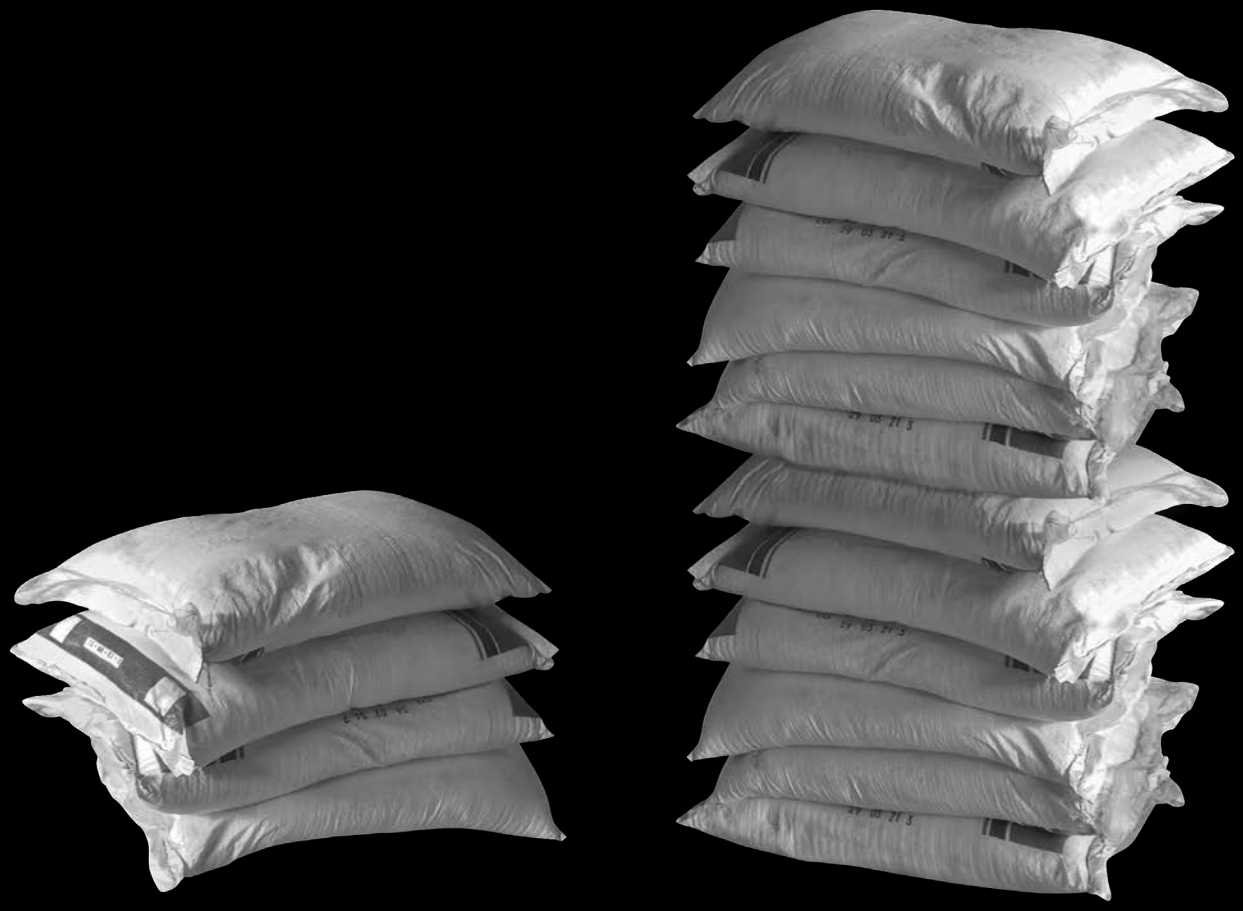
*When sold by a Totally Hayward® Partner. Exclusions, other terms and conditions may apply—visit hayward.com/expert for details.

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LESS IS BETTER.

If less is more, AquaRite S3 systems give you the absolute most—with more lesses than any other salt sanitizer. Less salt to operate? Check. Fewer automation headaches? Check. No more burning eyes, faded clothing or itchy skin? Check, check, check.

REQUIRES 1/3* THE SALT OF INTELLICHLOR®



AQUARITE® S3 OMNI®

INTELLICHLOR®

Scan the QR code to learn more about AquaRite S3 salt systems.

EXPERT LINE

Expert Line products are only available to pool professionals and are not for online resale.

*Claim based on AquaRite S3 800ppm minimum salt concentration versus IntelliChlor salt chlorine generator.

IntelliChlor® is a trademark of Pentair Water Pool and Spa, Inc. Pentair Water Pool and Spa, Inc. is not affiliated with Hayward Industries, Inc. nor endorses Hayward's products.

THERE'S A REASON AQUARITE IS THE #1 BRAND IN SALT WATER POOLS.

Uses 1/3* the salt of competing systems

Cuts annual chlorine costs by up to 50%

Eliminates skin and eye redness & irritation



AQUARITE® S3 SALT CHLORINATION SYSTEM

SALT CHLORINATION WITH SIMPLE CONTROL.

- » Automatically converts salt to virtually endless chlorine supply
- » Built-in control of chlorine levels, a heater and a variable-speed pump
- » Clear TurboCell® S3 salt cell for easy inspection
- » Operates over a broad range of salt levels: 800-8000 ppm
- » Simple upgrade to Omni at any time



AQUARITE® S3 OMNI® SALT CHLORINATION SYSTEM

THE SMARTEST CHOICE FOR SILKY-SMOOTH SALT WATER.

Offers the same features as the S3 model, plus total backyard automation via the Omni platform, including:

- » Mobile control via the OmniLogic® app
- » OmniDirect Mode™ for added lighting capabilities
- » Voice control via Amazon® Alexa® and Google Home®

Mobile phone not included with Omni products.

Google Home® is a trademark of Google, LLC., and Amazon® and Alexa® are trademarks of Amazon Technologies, Inc. Neither of these companies is affiliated with Hayward Industries, Inc. nor endorses this product.

HAYWARD®
We Build Better.™

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2023
COMMERCIAL POOL PRODUCTS

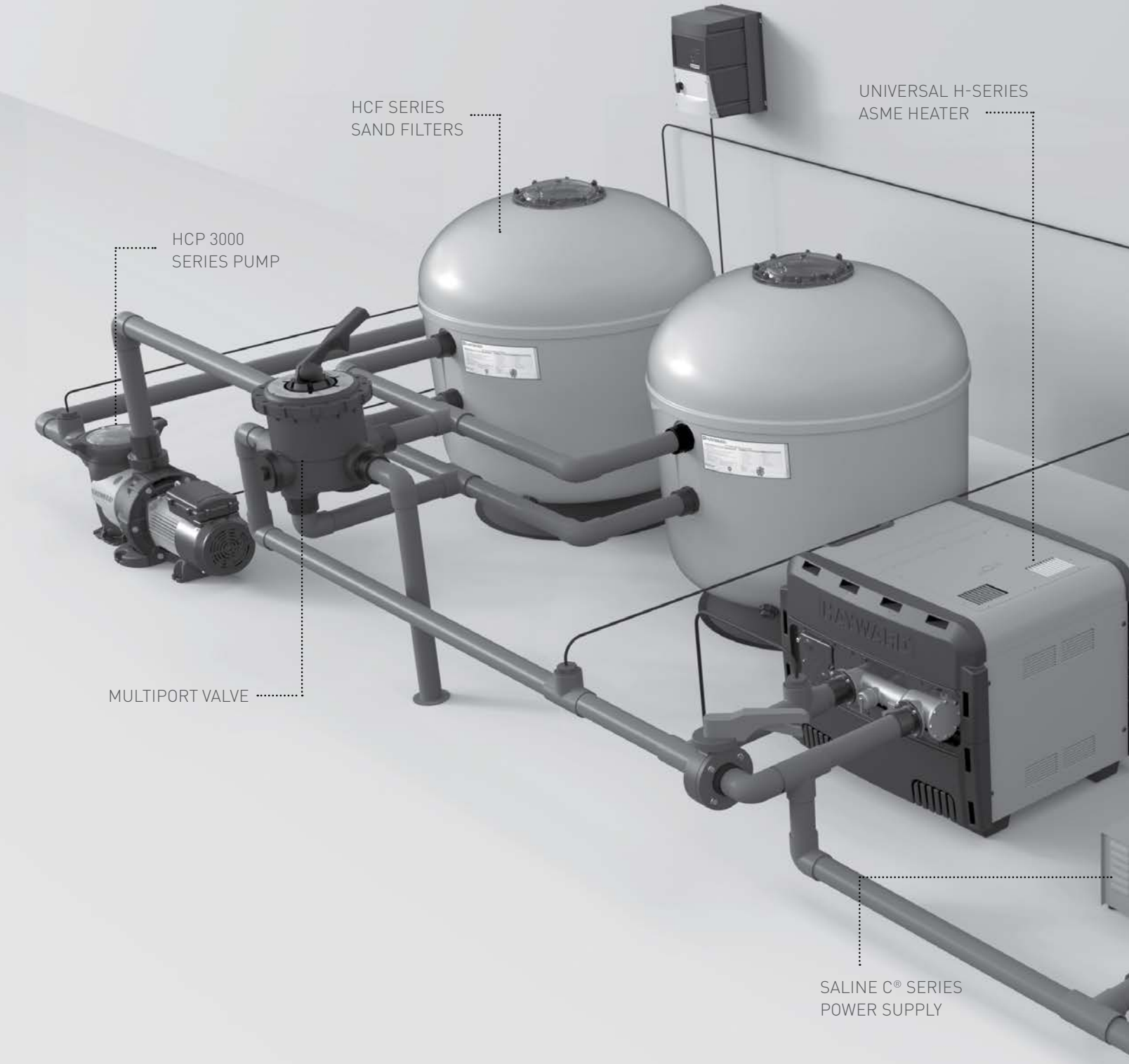


COMMERCIAL POOL PRODUCTS

WE MAKE POOLS PERFORM BETTER.

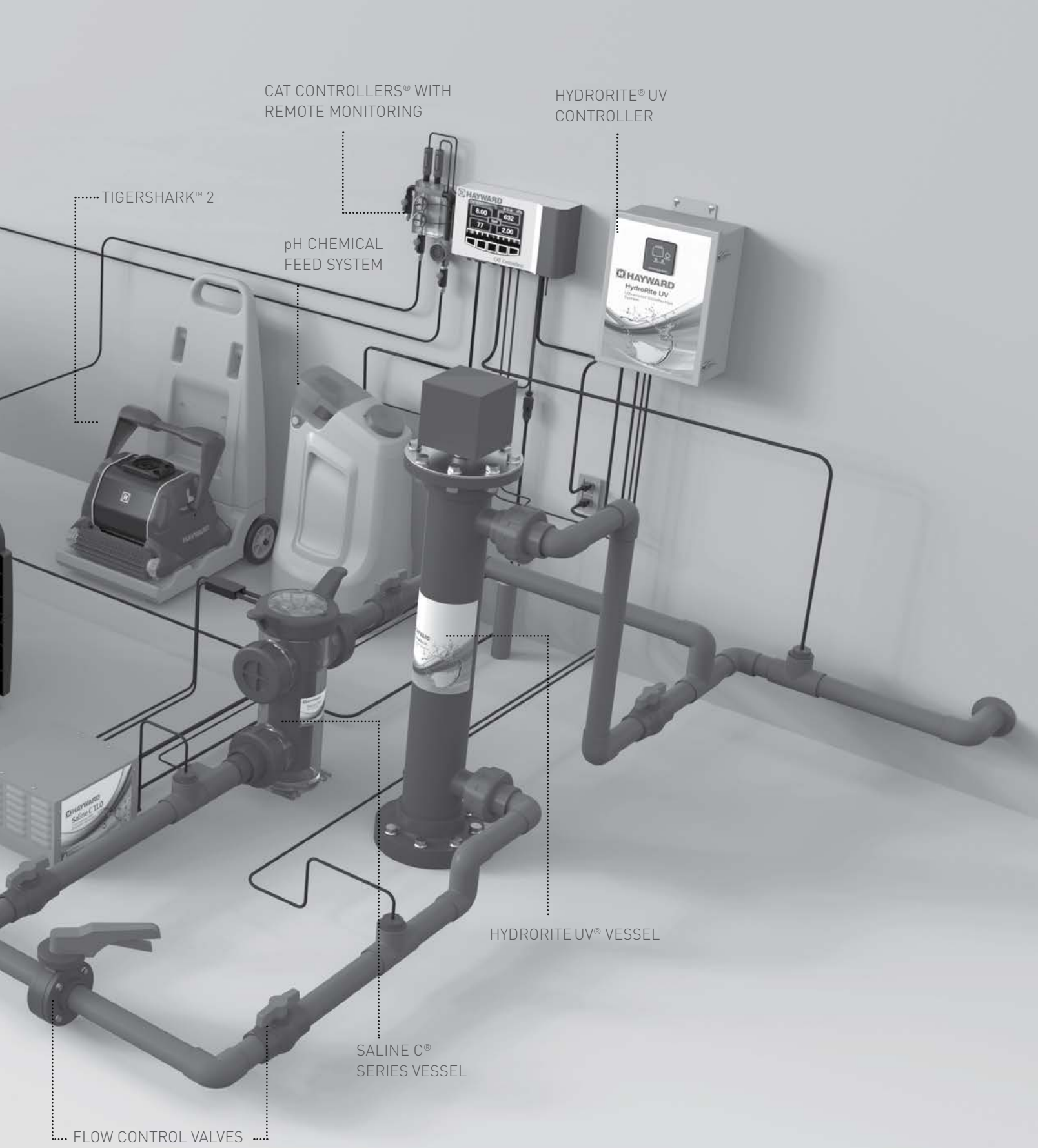


2023 Commercial Product Portfolio



The power behind every commercial pool and spa starts here.

» Innovation » Performance » Energy Efficiency » Total Pool Management



*For illustration purposes only. Not intended to provide guidance on product or plumbing configuration.

BETTER'S OUT THERE. LET'S GO BUILD IT TOGETHER.





Pool Equipment and Accessories

HYDRAULIC PERFORMANCE AND RECIRCULATION SYSTEMS
343 Commercial Pumps
352 Commercial Filters

WATER QUALITY MANAGEMENT SOLUTIONS
361 Commercial Automation
372 Commercial Sanitization
379 Commercial Cleaners

AMBIANCE AND COMFORT
381 Commercial Lighting
387 Commercial Water Features
389 Commercial Heaters

WHITE GOODS AND VALVES
393 Commercial Flow Control
399 Commercial White Goods

Hayward® Commercial Aquatics offers a full range of industry-leading equipment designed to help every commercial pool perform at its absolute best. Our products continue to set new technological standards while providing unmatched performance, efficiency, reliability, versatility and ease of management.

To see our unrivaled performance in action, look no further than the superior energy efficiency of a number of our flagship products—equipment that reduces power consumption, extends operational lifespan and delivers significant savings for our customers. Or, consider our leading chemistry control and sanitization systems: intuitive salt and UV secondary and supplemental sanitization solutions that provide optimal water quality and safety for pools of all shapes and sizes—and optimal peace of mind for those who manage them.

Speaking of peace of mind, we know that superior products don't mean much without superior service to match. That's why our Commercial Aquatics team is dedicated to providing builders, servicers and pool designers with the tools and personalized support they need to stay at the forefront of commercial pool technology. As true extensions of any pool professional's team, Hayward representatives work hard to help each and every one of our partners succeed, day after day.

These are just a few of the many reasons why Hayward is a trusted partner in powering recreational bodies of water around the world. Because building better is just what we do.

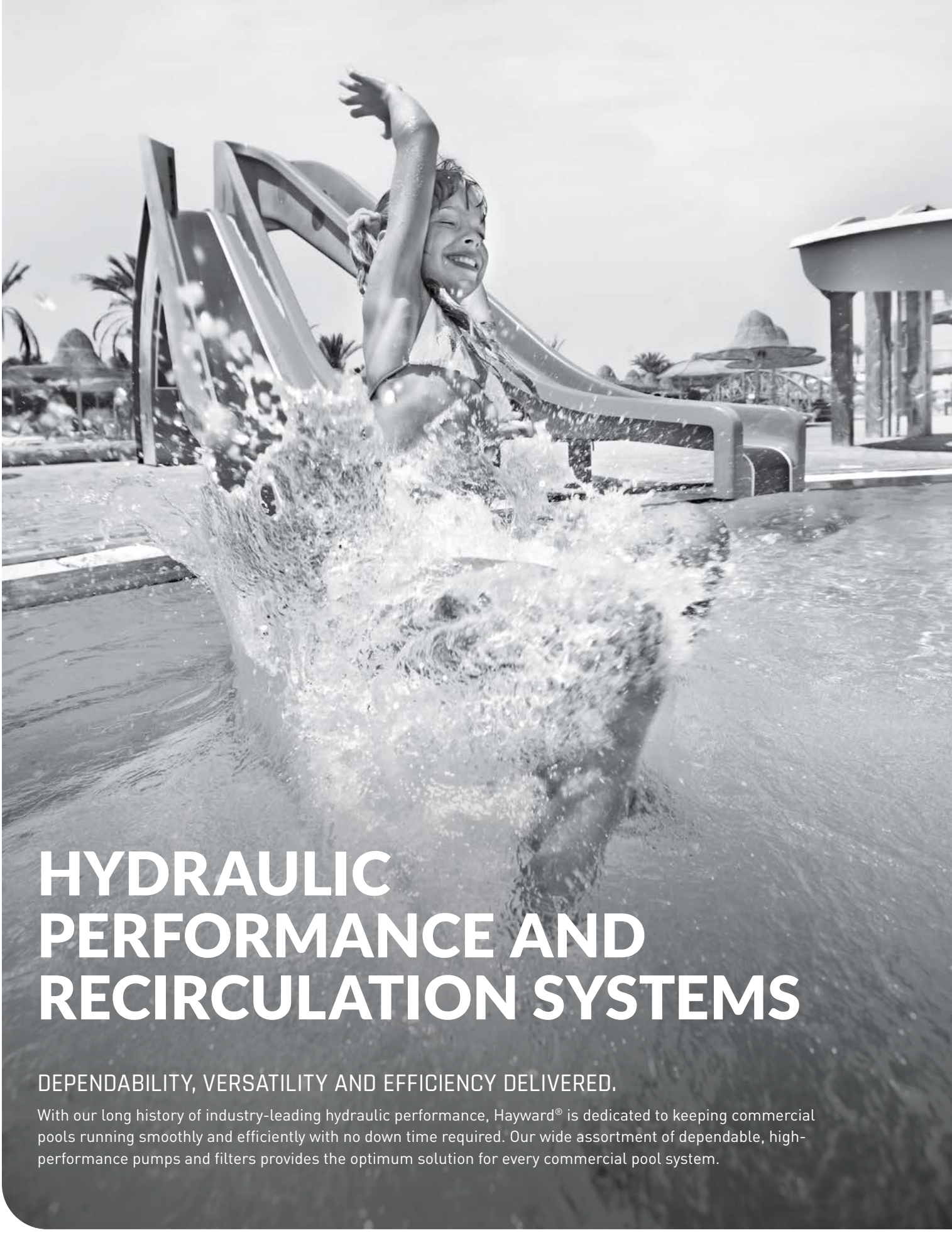
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HCP SERIES
VARIABLE FREQUENCY
DRIVE



HYDRORITE® UV
DISINFECTION SYSTEM



HYDRAULIC PERFORMANCE AND RECIRCULATION SYSTEMS

DEPENDABILITY, VERSATILITY AND EFFICIENCY DELIVERED.

With our long history of industry-leading hydraulic performance, Hayward® is dedicated to keeping commercial pools running smoothly and efficiently with no down time required. Our wide assortment of dependable, high-performance pumps and filters provides the optimum solution for every commercial pool system.

Commercial Pumps

Hayward Commercial Aquatics offers a complete line of technologically advanced self-priming pumps. From the industry's most energy-efficient model, the variable-speed HCP 2500 Series, to the best-in-class hydraulics and flow rate of our new HCP 3000 Series pumps, we've got pumps that exceed DOE standards and suit any commercial pool.



HCP 2000 SERIES

OUTSTANDING VALUE FOR SEMI-COMMERCIAL USE

» Available in 0.5 to 5 HP models
» The industry's most efficient hydraulics for 3 to 5 HP pumps
» Ribless basket design ensures easy debris removal
» 2 x 2½" union connections



HCP 2500 SERIES

THE INDUSTRY'S MOST EFFICIENT 2.7 HP VARIABLE-SPEED PUMPS

» Advanced hydraulic design reduces noise and maximizes energy savings
» 15-ft communications cable for remote interface mounting
» Large ribless strainer basket
» 2 x 2½" union connections



HCP 3000 SERIES

BEST-IN-CLASS FLOW RATE FOR A WIDE RANGE OF POOLS

» Sets a new standard of flow rate for the 3" union class
» 7 HP model delivers 250 GPM at 60' of head
» Chemical-resistant Viton® seal for long-term durability
» Versatile strainer basket can be mounted remotely
» Available in 5 HP single- or 3-phase & 7 HP 3-phase models
» Variable-speed model offered in 2.7 HP



HCP 4000 SERIES

MODERN THERMOPLASTIC DESIGN FOR HIGH-FLOW, MEDIUM-HEAD APPLICATIONS

» Lightweight Noryl® thermoplastic housing makes installation easy
» Elevated base for better ventilation and protection from flooding
» 4" union connections
» Available in 5.5 to 12.5 HP models
» Available in 230/460V 3-phase models

» For more details and ordering information call 1.800.657.2287

As of July 19, 2021, the U.S. Department of Energy will adopt new energy-saving regulations on residential (in-ground & above-ground) and commercial (above 1HP & up to 2.5 HP) pool pumps. Hayward is here to help you navigate the upcoming change, offering a wide range of regulation-compliant equipment:

DOE-compliant Hayward Pumps: Commercial*

PUMP NAME	DESCRIPTION	SPEED	SKU
HCP 4000	5.5HP 230/460V	Single	HCP40553
	7.5HP 230/460V	Single	HCP40753
	10HP 230/460V	Single	HCP401003
	12.5HP 230/460V	Single	HCP401253
HCP 3000	2HP, Three Phase	Single	HCP30203
	2.7THP, Single Phase	Variable	HCP3020VSP
	3HP, Three Phase	Single	HCP30303
	5HP, Three Phase	Single	HCP30503
	5HP, Single Phase	Single	HCP30501
	7HP, Three Phase	Single	HCP30703
HCP 2500	TriStar® VS C	Variable	HCP3400VSP** HCP2500VSP
HCP 2000	0.5HP TriStar 3PH 208-230/460V	Single	HCP20053
	0.75HP TriStar 3PH 208-230/460V	Single	HCP20073
	1HP TriStar 3PH 208-230/460V	Single	HCP20103
	1.5HP TriStar 3PH 208-230/460V	Single	HCP20153
	2HP TriStar 3PH 208-230/460V	Single	HCP20203
	3HP TriStar 3PH 208-230/460V	Single	HCP20303
	5HP TriStar 3PH 208-230/460V	Single	HCP20503



Learn more about DOE regulatory changes at
HAYWARD.COM/REGULATIONS

*This list is subject to change. All models may not be listed and certain models may be modified prior to July 2021. Contact your Hayward sales rep for more information.
**Discontinued SKU. Replaced by HCP2500VSP TriStar model.

HCP SERIES VARIABLE FREQUENCY DRIVE

Compatible with Hayward HCP Series and many other 208-230/460 VAC commercial pool pumps, the easy-to-install Variable Frequency Drive (VFD) provides all the benefits of a variable-speed pump—including substantial energy savings, improved efficiency, optimized performance and reduced noise levels—without the hassle of replacing the existing pump.



- **Increases pump efficiency** for energy savings up to 50%
- **Adjustable pump motor speed** matches the necessary flow rate for various pool sizes
- **OLED multi-language display** and touch screen provide intuitive navigation between menu options
- **System matching** provides compatibility and seamless integration with Hayward HCP Series pumps and most other competitive pumps*
- **Built-in software** measures and displays run hours and kWh meters
- **Mountable** with direct wiring to pump power supply for fast, effortless installation
- **Delivers greater than 98% efficiency,** saving energy and money
- **1-year limited warranty** on field and factory labor
- **2-year limited warranty** if installed with a Hayward HCP Series Pump

HAYWARD HCP SERIES COMPATIBLE PUMPS**



HCP 2000 SERIES



HCP 3000 SERIES



HCP 4000 SERIES

SPECIFICATIONS

PART NUMBER	DESCRIPTION
HCPVFD1400413P	2.0HP, 3-Phase 460V input/output — NEMA4X — IP66
HCPVFD2201051P	2.0/3.0HP, 1-Phase 208 - 230V Input, 3-Phase 208-230V output — NEMA4X — IP66***
HCPVFD2201053P	2.0/3.0HP, 3-Phase 208-230V input/output — NEMA4X — IP66
HCPVFD2400583P	3.0HP, 3-Phase 460V input/output — NEMA4X — IP66
HCPVFD2400953P	5.5HP, 3-Phase 460V input/output — NEMA4X — IP66
HCPVFD3201531P	5.5HP, 1-Phase 208-230V Input, 3-Phase 208-230V output — NEMA4X — IP66***
HCPVFD3201803P	5.5HP, 3-Phase 208-230V input/output — NEMA4X — IP66
HCPVFD3202403P	7.5HP, 3-Phase 208-230V input/output — NEMA4X — IP66
HCPVFD3401403P	7.5/10.0HP, 3-Phase 460V input/output — NEMA4X — IP66
HCPVFD3401803P	12.5HP, 3-Phase 460V input/output — NEMA4X - IP66
HCPVFD3402403P	15.0HP, 3-Phase 460V input/output — NEMA4X — IP66
HCPVFD4203003P	10.0HP, 3-Phase 208-230V input/output — NEMA4X — IP66
HCPVFD4204603P	12.5/15.0HP, 3-Phase 208-230V input/output — NEMA4X — IP66
HCPVFD421501P	7.5HP, 1-Phase 230V input, 3-Phase 230V output — NEMA12 — IP55***
HCPVFD4403003P	20.0HP, 3-Phase 460V input/output — NEMA4X — IP66
HCPVFD4403903P	25.0HP, 3-Phase 460V input/output — NEMA4X — IP66
HCPVFD4404603P	30.0HP, 3-Phase 460V input/output — NEMA4X — IP66
HCPVFD520201P	10.0HP, 1-Phase 230V input, 3-Phase 230V output — NEMA12 — IP55***
HCPVFD520251P	12.5HP, 1-Phase 230V input, 3-Phase 230V output — NEMA12 — IP55***
HCPVFD620301P	15.0HP, 1-Phase 230V input, 3-Phase 230V output — NEMA12 — IP55***
HCPVFD620401P	20.0HP, 1-Phase 230V input, 3-Phase 230V output — NEMA12 — IP55***
HCPVFD620501P	25.0HP, 1-Phase 230V input, 3-Phase 230V output — NEMA12 — IP55***
HCPVFD620601P	30.0HP, 1-Phase 230V input, 3-Phase 230V output — NEMA12 — IP55***

*Contact your local Hayward representative for details on compatible competitive pumps
** Only applies to single-speed and 3-phase models
*** NEMA 4X-rated
**** NEMA 12-rated

HCP 4000 SERIES PUMPS

Hayward®'s heavy-duty HCP 4000 Series pumps provide a technologically advanced alternative to traditional bronze or cast-iron pumps. Their lightweight Noryl® thermoplastic housings make installation easy. The all-plastic housing construction and modern TEFC motor design afford a high level of protection and reliability in the commercial pump-room environment. A transparent lid with a tool-free opening mechanism allows visual inspection of the strainer basket, simplifying maintenance. Four pumps, ranging from 5.5 to 12.5 HP, allow right-sizing for most high-flow, medium-head applications.



NSF Certified to NSF/ANSI Standard 50

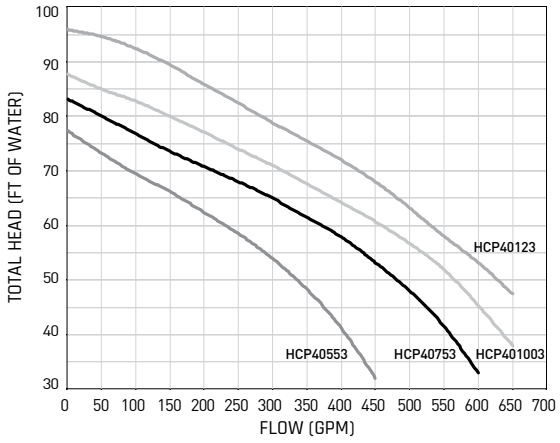
1 YEAR WARRANTY

- **Suitable for** commercial swimming pools, spas and water features
- **Lightweight, glass-reinforced** hydraulic body
- **Impeller** made from glass-reinforced Noryl for maximum strength-to-weight ratio
- **Transparent lid** allows visual inspection of the strainer basket
- **Modern totally enclosed fan-cooled (TEFC) motor** design for greater protection and high reliability
- **Elevated base** ensures better ventilation, protection from flooding and improved serviceability
- **Tool-free, quick-release bolted lid mechanism** for fast and easy access to strainer basket
- **4" union connections**
- **1-year** limited warranty
- **NSF/ANSI Standard 50 Certified**

TECHNICAL SPECIFICATIONS

PART NUMBER	HORSEPOWER	VOLTAGE	AMPS	HZ	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCP40553	5.5	230/460 3-Phase	14.6/7.3	60	1	110.0
HCP40753	7.5	230/460 3-Phase	21.0/10.5	60	1	125.0
HCP401003	10.0	230/460 3-Phase	26.1/13.0	60	1	142.5
HCP401253	12.5	230/460 3-Phase	31.6/15.8	60	1	155.0

HCP 4000 SERIES PERFORMANCE DATA



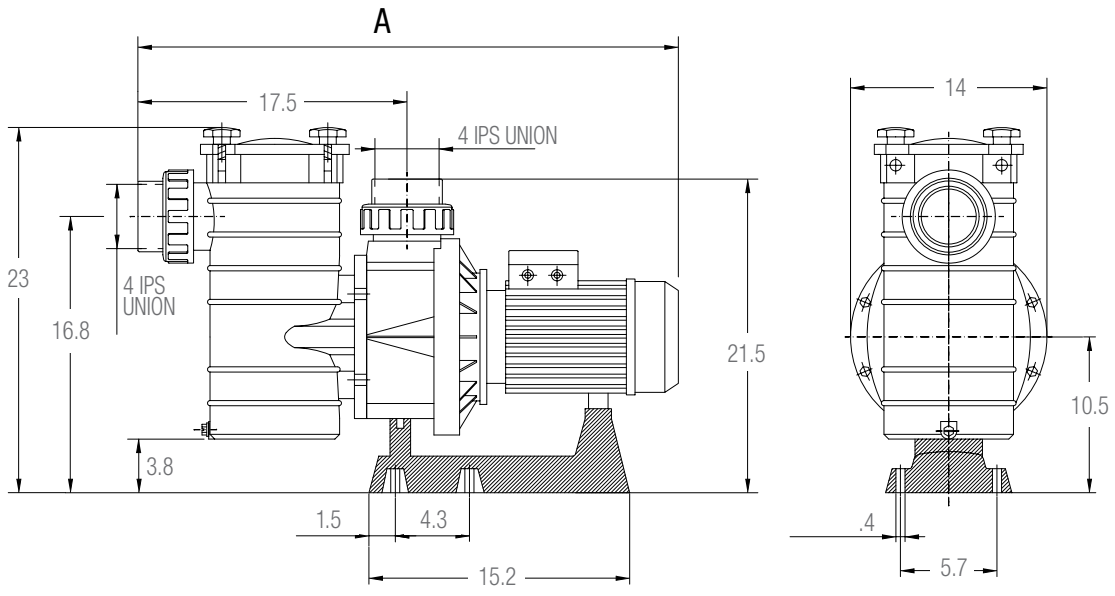
All motors certified to UL1004, IP 55 protection, insulation class F. 60 HZ., 3.550 RPM

HEAD LOSS (FT) – HCP SINGLE-SPEED PUMPS

GPM	PERFORMANCE HCP40553	PERFORMANCE HCP40753	PERFORMANCE HCP401003	PERFORMANCE HCP401253
0	77.4	83.2	87.78	95.9
50	73.3	80.1	85	94.64
100	69.5	76.8	82.8	92.44
150	66.2	73.6	80	89.42
200	62.4	70.8	77.1	85.9
250	58.5	68	74	82.43
300	53.9	65	71	78.8
350	48.3	61.4	67.7	75.5
400	41.2	57.9	64.2	72
450	32	53.2	60.7	68
500		48	56.7	63.2
550		41.5	51.9	58
600		33	45.33	53.2
650			38	47.4
700				

PART NUMBER	HP	PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW (PER FT OF HEAD)								LENGTH A (INCHES)
		30	35	40	45	50	55	60	65	
		FLOW RATE (GPM)								
HCP40553	5.5	450	431	406	374	333	291	235	250	34.2
HCP40753	7.5	614	588	561	526	481	430	369	300	36.0
HCP401003	10.0	695	669	635	602	570	521	461	390	37.2
HCP401253	12.5	776	739	709	668	631	580	536	475	37.2

DIMENSIONS



HCP 3000 SERIES PUMPS

HCP 3000 Series pumps are game changers in commercial pump performance and versatility. Engineered for durability, they set a new flow rate standard for the 3" union class. A variety of power options from 5HP single- or 3-phase and 7 HP three-phase, and single or variable speed, means you can provide the optimum solution for a wide range of pools, delivering maximum performance without compromising efficiency.



- **Suitable for** virtually any small- to mid-sized commercial pool
- **First 3" pumps to achieve hydraulic performance** of more than 250 gallons per minute at 60' of head [7 HP model], saving more energy than any comparable pump on the market
- **Modern totally enclosed fan-cooled (TEFC) motors** in all models provide a higher level of reliability
- **Chemical-resistant Viton® seal** for long-term durability
- **Removable, oversized strainer basket** reduces daily cleaning and maintenance and can be remotely mounted for increased versatility
- **2.5" x 3" union connections** for simple, drop-in replacement in almost any application
- **2.7 HP variable-speed** version available
- **Available in single- or 3-phase**
- **Ports are compatible with most other equipment brands**
- **3-year** limited warranty on parts
- **1-year** limited warranty on all single-speed models*
- **NSF/ANSI Standard 50 Certified**

3 YEAR WARRANTY



VARIABLE-SPEED PUMP MODEL



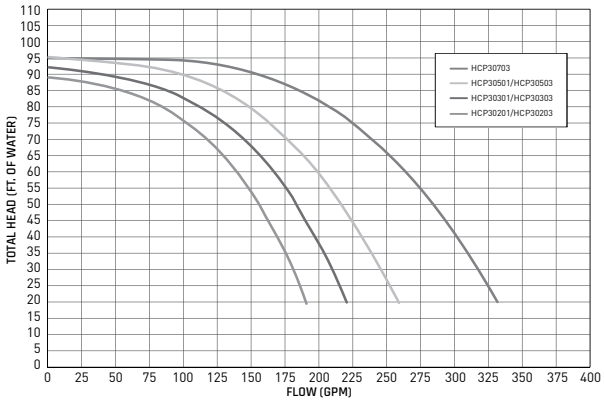
REMOVABLE STRAINER BASKET

TECHNICAL SPECIFICATIONS

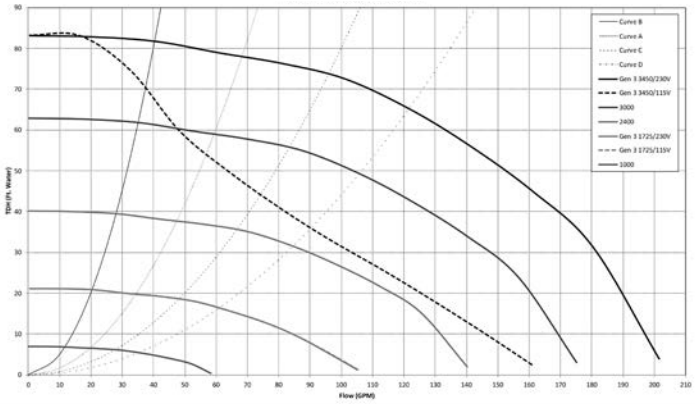
PART NUMBER	RATED HORSEPOWER	VOLTAGE	RATED CURRENT (AMPS)	HZ	WEIGHTED ENERGY FACTOR (WEF)	CTN. QTY.	CTN. WT. (LBS.)
HCP3020VSP	2.7	230V Single Phase, Variable Speed	10.9	50	7.2	1	65.0
HCP3020VSP		115V Single Phase, Variable Speed		50	10.0		
HCP30501	5.0	208-230V Single Phase, Single Speed	21.0-20.0	60	2.0	1	102.0
HCP30203	2.0	208-230/460V 3-Phase, Single Speed	6.1-6.0/3.0	50/60	2.4	1	91.0
HCP30303	3.0	208-230/460V 3-Phase, Single Speed	9.2-9.0/4.5	50/60	2.3	1	96.0
HCP30503	5.0	208-230/460V 3-Phase, Single Speed	13.6-13.2/6.6	50/60	2.1	1	102.0
HCP30703	7.0	230/460V 3-Phase, Single Speed	19.8-17.2/8.6	50/60	1.6	1	107.0

*When installed on a residential application, VSP model has a 4-year limited warranty, and single-speed models have a 3-year limited warranty.

HCP 3000 SERIES PERFORMANCE DATA 60HZ
(SINGLE- AND 3-PHASE MODELS)



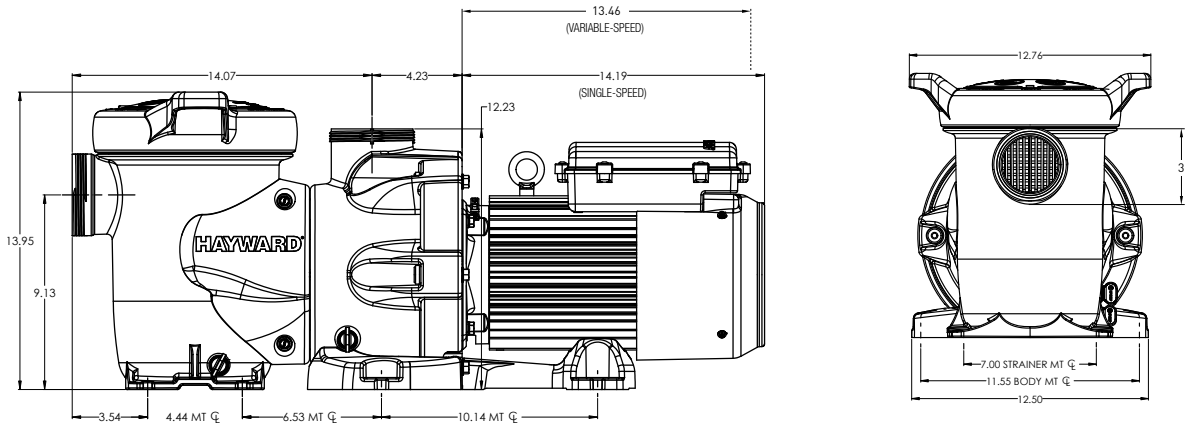
HCP3020VSP PERFORMANCE DATA



			PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW (PER FT OF HEAD)					
PART NUMBER			40	50	60	70	80	90
SINGLE PHASE	3-PHASE	HP	FLOW RATE (GPM)					
—	HCP30203	2.0	170	156	140	120	85	—
—	HCP30303	3.0	198	185	166	145	115	40
HCP30501	HCP30503	5.0	232	217	200	179	150	100
—	HCP30703	7.0	303	285	265	240	210	155

		PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW (PER FT OF HEAD)						
		30	40	50	60	70	80	90
PART NUMBER	RPM	FLOW RATE (GPM)						
HCP3020VSP	3450	182	170	151	133	109	51	40
	3000	160	128	104	49	—	—	—
	2400	90	21	—	—	—	—	—

DIMENSIONS



HCP 2500 SERIES PUMPS

TRISTAR® VS C

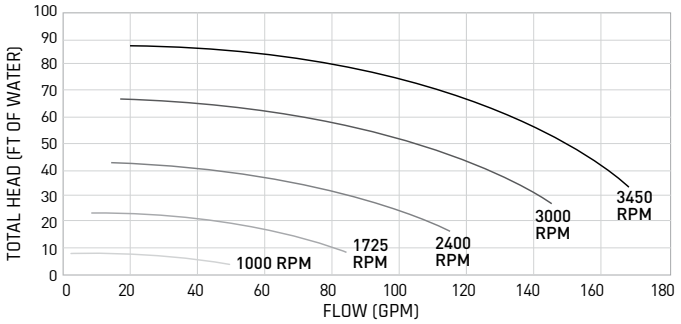
HCP 2500 is the industry's most energy-efficient variable-speed pump. It's fully compliant with energy efficiency regulations such as Title 20 and APSP-15 with up to eight custom speed and timer functions, and its settings can be "locked out" for authorized access only. HCP 2500's advanced hydraulic design moves water more efficiently, operating at lower RPMs to minimize noise and save pool operators up to 90% on energy costs.



3 YEAR WARRANTY

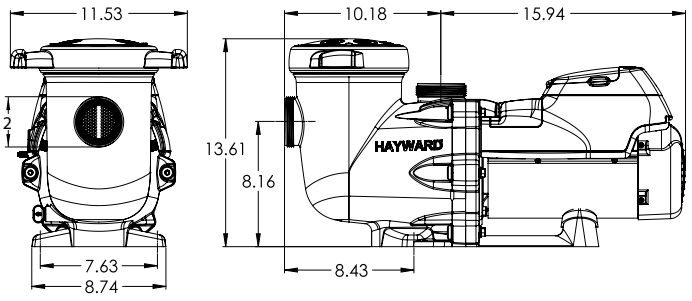
ENERGY STAR

TRISTAR VS C PERFORMANCE DATA



TRISTAR VS C runs efficiently in all of these ranges.

DIMENSIONS



- **Permanent magnet, totally enclosed fan-cooled (TEFC) motor**
- **Passcode protection** of configuration menus to prevent unauthorized access to timer or speed settings
- **Unique on-pump, multi-position digital control interface;** unit can also be detached and wall mounted for added convenience
- **Large rib-less basket** for extended time between cleanings
- **15 ft. communications cable** for remote interface mounting
- **2" x 2½" union connections**
- **Industry-leading hydraulic design**
- **Interchangeable bases** for easy retrofitting
- **3-year** limited warranty
- **NSF/ANSI Standard 50 Certified**



OPTION 1:
Control interface can be rotated on the pump for convenient access and viewing.

OPTION 2:
For ultimate flexibility, detach the control interface and attach to wall.

TECHNICAL SPECIFICATIONS

PART NUMBER	DESCRIPTION	SPEED RANGE	RATED HORSEPOWER	VOLTAGE	WEIGHTED ENERGY FACTOR (WEF)	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCP2500VSP	TriStar VS C	600-3450 RPM	2.7	115V Single Phase	10.1	1	63.0
HCP2500VSP*	TriStar VS C	600-3450 RPM	2.7	230V Single Phase	7.3	1	63.0

* Formerly HCP3400VSP

HCP 2000 SERIES PUMPS

TRISTAR®

The HCP 2000 features the industry's most energy-efficient hydraulics with the 3 to 5 HP pumps providing unmatched performance in semi-commercial applications. Easy to install, service and maintain, TriStar outperforms the competition when it comes to flow, efficiency and value. It's the first to feature a large, ribless strainer basket design that is quick and easy to clean.



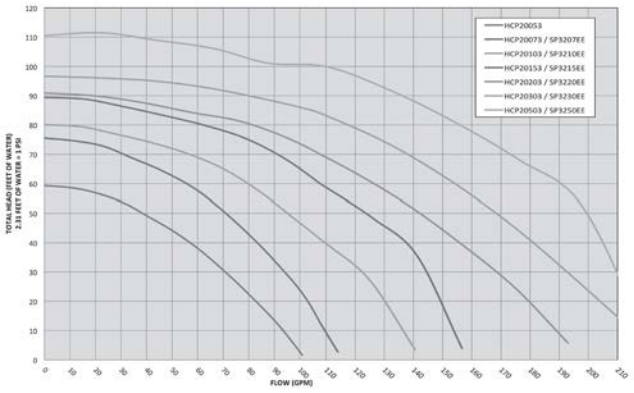
- **2" x 2½" union connections** make installation and servicing fast and easy
- **Self-priming** (suction lift up to 10' above water level)
- **Elevated base** ensures better ventilation and protection from flooding
- **Ribless basket design** ensures easy debris removal. Extra leaf-holding capacity extends time between cleanings
- **Tri-Lock strainer cover design** seals with less than a quarter turn
- **3-year** limited warranty
- **NSF/ANSI Standard 50 Certified**

3 YEAR WARRANTY

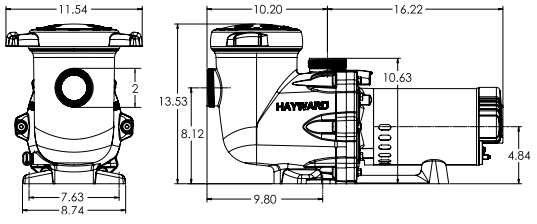
TECHNICAL SPECIFICATIONS

PART NUMBER	RATED H.P.	VOLTAGE 3-PHASE	AMPS	HZ	WEIGHTED ENERGY FACTOR (WEF)	CARTON WEIGHT (LBS.)	PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW PER FT OF HEAD						
							30	40	50	60	70	80	90
HCP20053	0.5	208-230/460	3.8-3.6/1.8	50/60	4.2	41.0	71	51	31	—	—	—	—
HCP20073	0.75	208-230/460	5-4.6/2.3	50/60	3.4	49.0	94	82	71	55	30	—	—
HCP20103	1.0	208-230/460	6.4-5.8/2.9	50/60	3.0	49.0	121	109	55	79	56	3	—
HCP20153	1.5	208-230/460	6.8-7/3.5	50/60	2.7	49.0	144	137	123	108	91	61	—
HCP20203	2.0	208-230/460	8-8.4/4.2	50/60	2.5	49.0	168	155	142	125	108	80	15
HCP20303	3.0	208-230/460	10.8-11.4/5.7	50/60	2.3	49.0	193	181	168	154	138	117	80
HCP20503	5.0	208-230/460	13.4/6.7	50/60	2.0	65.0	210	205	198	190	172	155	135

PART NUMBER	RATED H.P.	VOLTAGE SINGLE- PHASE	AMPS	HZ	CARTON WEIGHT (LBS.)
SP3250EE	5	208-230	22	60	66.0



DIMENSIONS



Commercial Filters

Hayward® Commercial Aquatics offers the latest in filtration technology with the HCF Series sand filters, well positioned to meet the most demanding commercial filtration requirements. Their heavy-duty fiberglass provides unprecedented flow capacity, innovative features and a 5-year warranty. In addition, our dual-quad-cluster HCF7030C cartridge system features increased hydraulic efficiency to reduce operation costs.

HCF SERIES SAND FILTERS (42" – 63")

The large-format HCF Series sand filters are designed to provide the ultimate in filtration performance and durability. Larger sizes eliminate the need to use multiple smaller filters, meaning you'll save valuable floor space and reduce installation and plumbing complexity—and simplify maintenance and backwashing, too. Constructed with heavy-duty filament-wound fiberglass, a UV-protected resin and corrosion-proof internals, the large-format HCF Series sand filters offers a powerful, streamlined filtration solution for the recreational water market.



- **Large-format filters** eliminate the need for multiple smaller filters, saving valuable space while providing flow rates up to 433 GPM
- **Reduced installation and plumbing complexity** with simplified maintenance and backwashing
- **Manufactured from heavy-duty filament-wound fiberglass** for high-performance filtration and long-lasting durability
- **UV-protected resin coat and corrosion-proof internals** protect the filter from from even the harshest environments
- **Large manway mechanism with positive seal** enables easy inspection
- **Durable fiberglass base** for sturdy installation
- **Industrial-grade laterals and quad diffusers** improve filtration and lengthen filter cycle time

DIMENSIONS

FILTER MODEL NUMBER	DIMENSIONS (INCHES)					FILTER AREA		MAX FLOW RATE		FILTER GRAVEL/ SAND QTY. (LBS.)	INSTALLATION CLEARANCE (INCHES)	
	A	B	C	D	E	SQ. FT.	SQ. M.	GPM	LPM		VERT.	HOR.
HCF342C	19.64	31.46	42	48.66	3	9.83	.91	197	745	225/1400	18	4
HCF348C	27.12	38.94	48	58.03	3	13.40	1.24	268	1014	600/2250	18	4
HCF455C	31.90	48.90	55	74.50	4	16.49	1.53	330	1249	500/5300	18	4
HCF663C	28.22	47.22	67.25	75.82	6	21.64	2.01	433	1639	850/6800	18	4

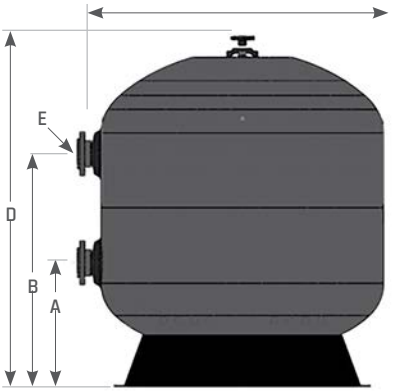
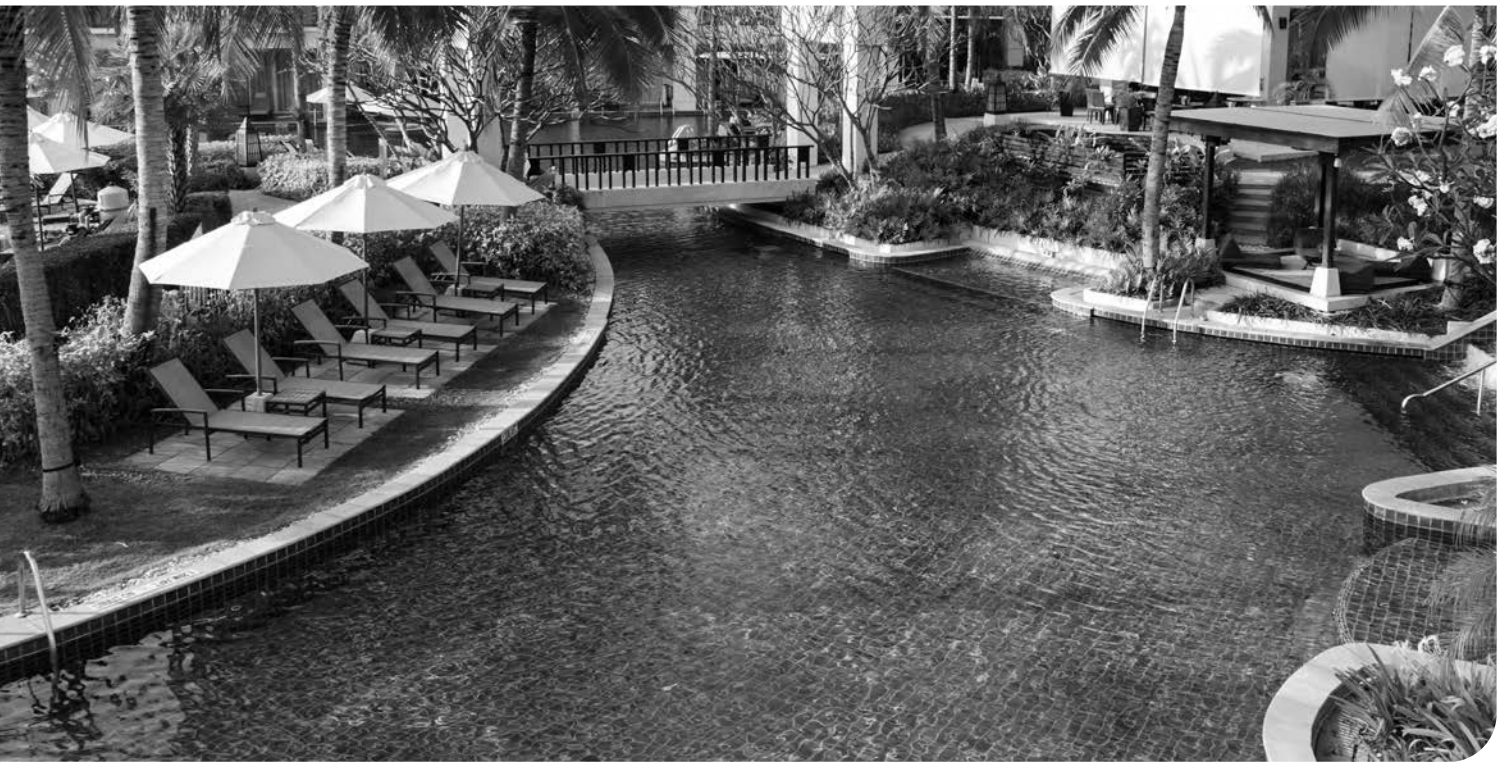




Image courtesy of **GW Oliver Construction** based in Baton Rouge, Louisiana.

TECHNICAL SPECIFICATIONS & PERFORMANCE DATA

PART NUMBER	HCF342C		HCF348C		HCF455C		HCF663C	
Size of Fiberglass Sand Filter	42"		48"		55"		63"	
Filtration Area/ft^2/M^2	9.83	0.91	13.40	1.24	16.49	1.53	21.64	2.01
Filtration Rate GPM/ft^2	5-20		5-20		5-20		5-20	
Filtration Flow Rate at 15 GPM/ft^2 (GPM) (LPM)	147	559	201	762	247	937	325	1230
Filtration Flow Rate at 20 GPM/ft^2 (GPM) (LPM)	197	745	268	1014	330	1249	433	1639
Backwash Flow Rate GPM/ft^2	5-20		5-20		5-20		5-20	
Maximum Working Pressure (PSI)	50		50		50		50	
Multiport Valve Part Number	HCV375C		HCV375C		HCV475C		N/A	
Inlet/Outlet Connection Type	Union/ANSI Flange		Union/ANSI Flange		ANSI Flange		ANSI Flange	
Inlet/Outlet Port Diameter	3"		3"		4"		6"	



HCF SERIES SAND FILTERS (30" - 36")

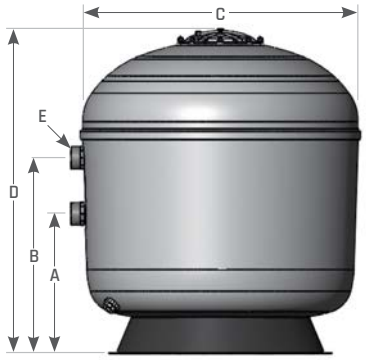
The HCF Series sand filter sets a new standard for performance and longevity in the recreational water market. Designed to improve filtration and lengthen filter cycles, it also includes a **UV-protected gel coat** that shields the filter against the elements, preventing fiberglass blooming. Its secure lid mechanism enables easy inspection, and because it's manufactured from proprietary resins and fiberglass, it's virtually corrosion proof.



- **34" model** fits through standard 36" doorways with no need to remove the door frame, simplifying replacement installations
- **36" model** available with 2.5" or 3" connections
- **High-performance filtration and longer service life**
- **UV-protected gel coat** protects the filter from the elements and algae blooming
- **Multi-diffuser distribution heads and oversized laterals** improve filtration and lengthen filter cycle time
- **Secure manway mechanism** enables easy inspection
- **Commercial grade, PVC and Polypropylene injection molded slotted laterals** resist corrosion to ensure high performance
- **Manufactured from proprietary resins and fiberglass** to be virtually corrosion proof

DIMENSIONS

FILTER MODEL NUMBER	DIMENSIONS (INCHES)					FILTER GRAVEL / SAND QTY. (LBS.)	INSTALLATION CLEARANCE (INCHES)		CARTON WEIGHT (LBS.)	CARTON DIMENSIONS (LxWxH)
	A	B	C	D	E		VERT.	HOR.		
HCF230C	16.5	24	31.49	43.48	2	600	18	4	75	32" x 32" x 39"
HCF234C*	18.75	26.25	33.85	43.48	2	750	18	4	88	36" x 36" x 44"
HCF236C	18.75	26.25	37.4	43.48	2.5	900	18	4	100	32" x 32" x 39"
HCF336C	18.75	26.25	37.4	43.48	3	900	18	4	100	32" x 32" x 39"



*Certification to NSF/ANSI Standard 50 pending as of publication date



TECHNICAL SPECIFICATIONS & PERFORMANCE DATA

PART NUMBER	HCF230C		HCF234C		HCF236C		HCF336C	
Size of Fiberglass Sand Filter	30"		34"		36"		36"	
Filtration Area/ft^2/M^2	4.9	0.45	6.31	0.59	7.05	0.65	7.05	0.65
Filtration Rate GPM/ft^2	5-20		5-20		5-20		5-20	
Filtration Flow Rate at 15 GPM/ft^2 (GPM) (LPM)	74	279	95	359	106	401	106	401
Filtration Flow Rate at 20 GPM/ft^2 (GPM) (LPM)	100	378	120	454	143	541	143	541
Backwash Flow Rate GPM/ft^2	5-20		5-20		5-20		5-20	
Maximum Working Pressure (PSI)	50		50		50		50	
Multiport Valve Part Number	HCV275C		HCV275C		HCV2575C		HCV375*	
Inlet/Outlet Connection Type	Union		Union		Union		Union/ANSI Flange	
Inlet/Outlet Port Diameter	2"		2"		2.5"		3"	

*PN HCV375 requires field plumbing



PROSERIES™ PLUS SAND FILTERS

The ProSeries Plus satisfies the requirements for a variety of semi-commercial installations, including pools, spas, fountains and interactive water features. Its spherical tank design evenly distributes the high pressure and stress associated with these applications, resulting in greater strength and longer life.



- **Durable, flanged inspection cover** provides convenient access to top of filter
- **Unitized, corrosion-proof, spherical filter tank** molded of rugged, colorfast polymeric material for maximum strength and longer life
- **Optional valve and coupling selections** for plumbing ease and versatility. Choose from 6-position VariFlo® valve or 1½" socket x 2" slip connectors for multiple (tandem) filter installations
- **Precision engineered umbrella-fold self cleaning laterals** for balanced flow and backwashing, plus easy serviceability
- **3-year** limited warranty

TECHNICAL SPECIFICATIONS

PART NUMBER	VALVE	SAND REQUIRED	DIMENSIONS		CARTON QUANTITY	CARTON WEIGHT (LBS.)
			WIDTH	HEIGHT		
S311SX	Not Included*	350 lbs.	31"	38 5/8"	1	74.0
S360SX	Not Included*	700 lbs.	36"	46"	1	95.0

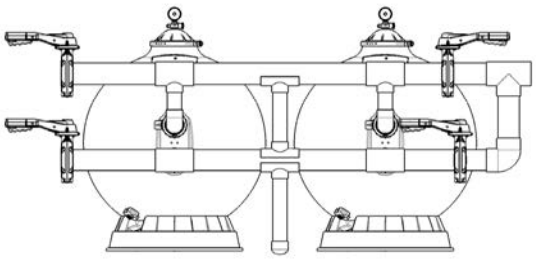
*Order valve separately. Part number SP0715X62.

PERFORMANCE DATA

PART NUMBER	EFFECTIVE FILTRATION AREA	DESIGN FLOW RATE*	MAXIMUM WORKING PRESSURE	TURNOVER	
				6 HOURS	8 HOURS
S311SX	4.95 ft.^{2}	99 GPM	50 psi	35,640 gal.	47,520 gal.
S360SX	6.50 ft.^{2}	130 GPM	50 psi	46,800 gal.	62,400 gal.

*Based upon 20 GPM per ft.(2). Maximum allowable NSF rating.

FILTER MANIFOLD ASSEMBLY



COMMERCIAL MULTIPORT VALVES

Hayward® Commercial Aquatics' HCF Series Sand Filters can be installed individually or configured in multi-filter banks to suit the filtration requirements of any swimming pool or spa. Hayward Multiport Valves simplify installation and operation and are engineered for maximum flow and minimal pressure drop. The six-position valves facilitate selection of filter, backwash, waste, rinse, closed or recirculate modes at the turn of a single lever.



- » **Factory plumbed** to fit most Hayward HCF Series gel-coated and filament-wound commercial sand filters
- » **Simplifies** filter installation and operation
- » **Six mode selections** at the turn of a single lever
- » **Union connectors included**
- » **Complete range** with 2", 2.5", 3" and 4" models

MULTIPORT VALVE APPLICATION CHART

HCF SERIES FILTER MODEL	PORT SIZE	MULTIPORT VALVE
HCF230, HCF234, HCF236	2"	HCV275
HCF230C, HCF234C	2"	HCV275C
HCF236C	2.5"	HCV2575C
HCF336C	3"	HCV375*
HCF342C, HCF348C	3"	HCV375C
HCF455C	4"	HCV475C

PART NUMBER	SIZE	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	GPM	LPM
HCV275	2"	2" Commercial Multiport Valve Kit	1	10.8	125	475
HCV375	3"	3" Commercial Multiport Valve (Valve Only)*	1	22.0	300	1137
HCV375KIT	3"	3" Multiport Valve Plumbing Kit	1	12.0	N/A	N/A
HCV275C	2"	2" Commercial Multiport Valve Kit	1	10.8	132	500
HV2575C	2.5"	2.5" Commercial Multiport Valve Kit	1	16.0	206	780
HCV375C	3"	3" Commercial Multiport Valve Kit	1	22.0	285	1078
HCV475C	4"	4" Commercial Multiport Valve Kit	1	36.0	476	1800z



*PN HCF375 will require field plumbing

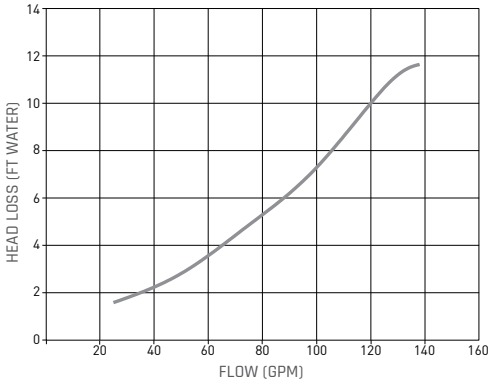
HCF SERIES CARTRIDGE FILTERS

The Dual-Quad-Cluster commercial HCF7030C cartridge filter system features a massive 700 ft² of filter area providing heavy-duty, dirt-holding capacity and extra-long filter cycles. The HCF7030C will prove to be a major contributor to any pool or spa operator driving to provide the ultimate in clear, fresh and safe water. It will reduce operation costs and enhance the eco-friendliness of the facility by saving thousands of gallons of carefully balanced, heated pool water per month through the elimination of backwashing. Ideal for new construction or retrofits, the HCF7030C can accommodate commercial flow rates to 150 GPM. The filter exterior is molded from a glass-reinforced co-polymer material capable of meeting the rigorous demands of the commercial environment.

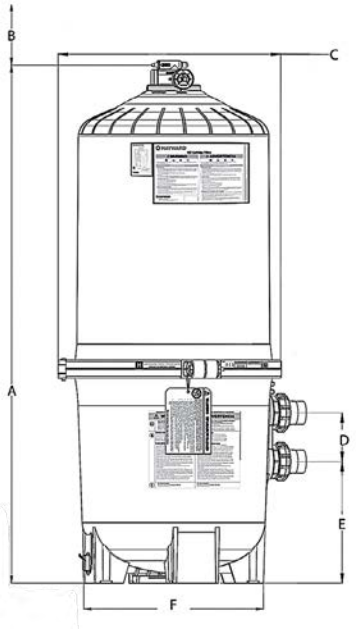
- **700 ft² of high-performance filter media,** effective particulate removal of 10-20 microns vs. 20-40 microns with sand
- **Easy access** to eight compact cartridges for fast, manageable cleaning
- **2" x 2½" connections** with full 2" internal piping
- **Capable of handling 150 GPM** flow rates
- **1-year warranty** on parts
- **3-year warranty** when installed on residential application
- **NSF/ANSI Standard 50 Certified**



HEAD LOSS TOP MANIFOLD



GPM	HLF
0	-0.5
25	1.58
50	2.81
75	4.86
100	7.29
125	10.66
138	11.64



TECHNICAL SPECIFICATIONS AND PERFORMANCE DATA

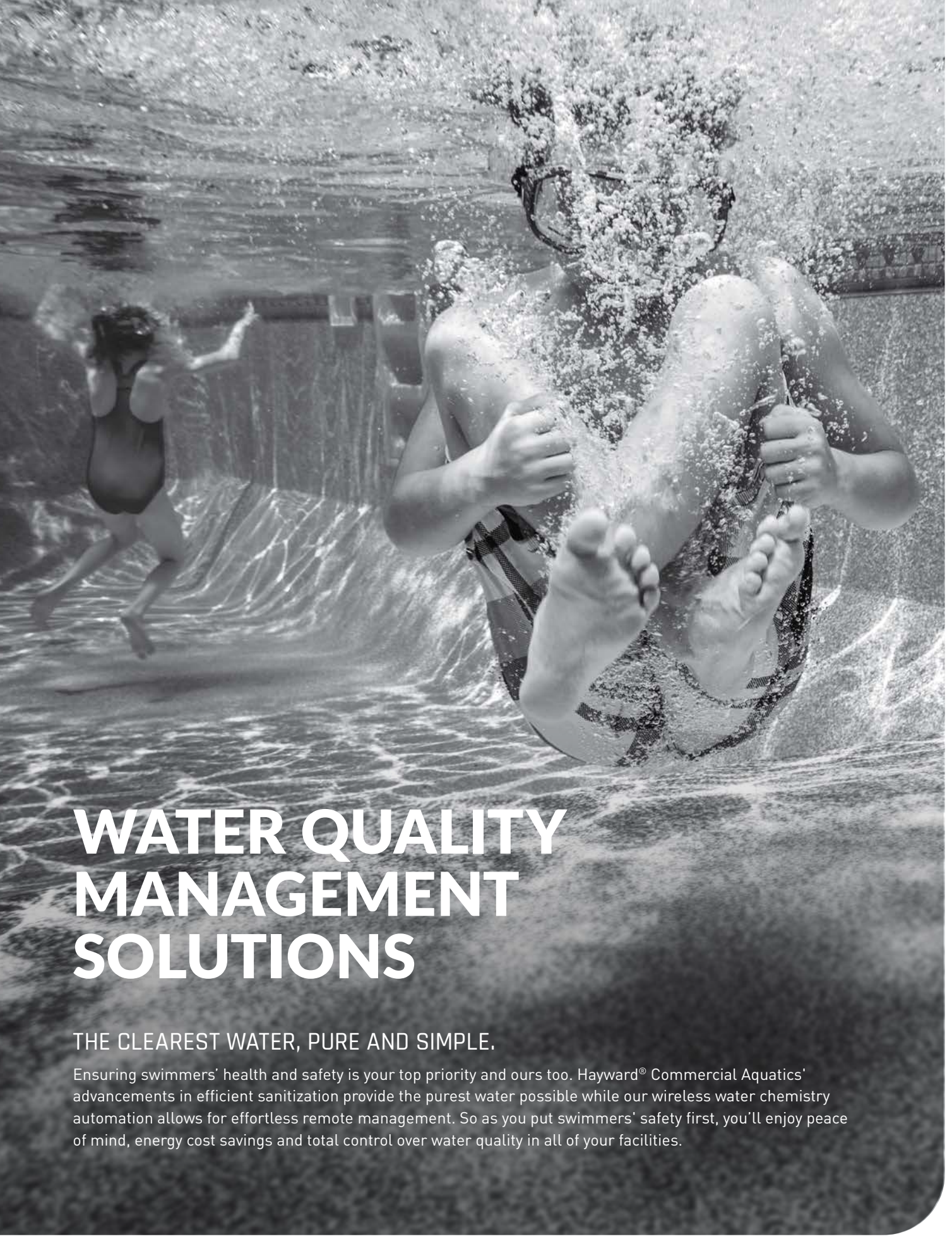
PART NUMBER	HCF7030C
Product Dimensions	52.5" Tall, 26" Diameter
Effective Filtration Area	700 ft²
Design Flow Rate	150 GPM*
Filter Type	Dual Quad-Cluster Polyester Cartridge
Filter Tank	Injection Molded Glass-Reinforced Co-Polymer
Filter Elements	Eight Reinforced Polyester Cartridges
Replacement Elements	CX591XREPAK4 (2 each)
Maximum Working Pressure	50 psi
Turnover (in gallons) 6 hrs	54,000
Turnover (in gallons) 8 hrs	72,000
Product Weight	77 lbs.

DIMENSIONS (INCHES)

A	B**	C	D	E	F
52.5	28	26	5	12.5	18

*Determined by pump size and piping system hydraulics, 2½" piping is recommended for flow rates equal to or greater than 90 GPM (341 LPM). Hayward doesn't recommend flow rates above 150 GPM.

**B = Vertical Clearance



WATER QUALITY MANAGEMENT SOLUTIONS

THE CLEAREST WATER, PURE AND SIMPLE.

Ensuring swimmers' health and safety is your top priority and ours too. Hayward® Commercial Aquatics' advancements in efficient sanitization provide the purest water possible while our wireless water chemistry automation allows for effortless remote management. So as you put swimmers' safety first, you'll enjoy peace of mind, energy cost savings and total control over water quality in all of your facilities.

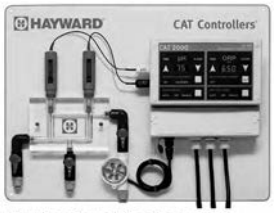
Commercial Automation

Thousands of commercial pools, spas, water parks and water treatment facilities worldwide rely on CAT Controllers,® certified to NSF/ANSI Standard 50, to provide enhanced water quality management and reduced operational costs. Every model provides unmatched control over pH, ORP, and sanitization for chlorine, bromine or salt chlorinated pools. Our wireless, web-based models are available with Wi-Fi® and cellular connectivity to allow unparalleled remote monitoring and control through PoolComm® (PoolComm.com or PoolComm App). Our HCC 1000 and HCC 2000 Complete Package Controllers provide you the ultimate user convenience and one-stop-shop automation.

CAT CONTROLLER MODEL GUIDE

		CAT 6000™	CAT 5500®	CAT 5000®	CAT 4000®	CAT 3500®	CAT 2000®	CAT 1000®
MONITORING AND CONTROLS	pH	•	•	•	•	•	•	•
	ORP	•	•	•	•	•	•	
	Temp	•	•	•		•		
	Water Level[1]	•	•	•	•	•		
	Tank Level[1]	•	•	•	•	•		
	Digital Flow[1]	•	•	•	•	•		
	Total Dissolved Solids	•	•			•		
	NaCl (Salt)	•	•			•		
	Backup Sanitization (Secondary ORP Set Point)	•	•	•	•	•		
	Free Chlorine	•						
	LSI Calculation	•						
	Total Dynamic Sanitizer Control	•						
FEATURES AND CAPABILITIES	Auxiliary Relays	2	2	2	1	1		
	Powered Auxilary Relay	1						
	PVC Backboard		•	•	•	•	•	•
	Mounting Bracket	•						
	Installation Kit[2]	•	•	•	•	•	•	•
	Touch Screen Display	•						
	Bluetooth Enabled[3]	•						
	4-20ma Inputs	2						
	Circulation Pump Inter-lock	•						
	Wireless, Web-based Communications[4]	Wi-Fi and Cellular[3]	Wi-Fi, Cellular and Satellite	Wi-Fi, Cellular and Satellite	Wi-Fi and Cellular			

Professional Package includes Machined Acrylic Flow Cell with Rotary Flow Sensor and Ball Valves. Standard Package includes Molded Flow Cell with Float Style Flow Sensor and Ball Valves. Both packages include ¼" Speedfit Connectors, 30' of installation tubing, Professional Series pH and ORP Sensors and are pre-mounted on PVC backboard.



Professional Package



Standard Package

[1] Additional sensor required.
[2] Installation Kit includes two quick connect fittings and 30' of ⅜" OD poly tubing.
[3] Coming soon.
[4] Specify transceiver type when ordering.

CAT 6000™ WIRELESS WATER CHEMISTRY CONTROLLER WITH TRUE FREE CHLORINE MONITORING

Built with a low-maintenance true free chlorine sensor, solid-state sensing technology and Dynamic Sanitizer Control, CAT 6000 is designed to provide effortlessly precise water chemistry readouts you can trust. Its intuitive full-color touchscreen user interface makes all settings and functions easy to access and understand, and with built-in Wi-Fi® and cellular** connectivity, you'll stay fully in control even when you're out and about.



- » **Solid-state sensing technology*** offers unmatched reliability and accuracy
- » **Low-maintenance true free chlorine sensor** provides an added level of confidence
- » **Intuitive full-color touchscreen interface** makes operation simple and straightforward
- » **Dynamic Sanitizer Control** fine tunes water chemistry like never before
- » **Audit and monitor** energy consumption data to maximize efficiency
- » **Built-in Wi-Fi and cellular** connectivity** provide remote system access from anywhere
- » **Factory assembled** with mounting bracket and template to make installation effortless
- » **5-year limited warranty** on controller; 2-year warranty on sensors
- » **NSF/ANSI Standard 50 Certified**

*PPM, TEMP, and COND sensors only
UL Listed for indoor use only.

HAYWARD.COM/CAT6000
Explore the advanced features of CAT 6000

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CATPP6000WIFICF	Professional Package, Free Chlorine/Temp/TDS/NaCl - Wi-Fi, cellular and Bluetooth**	1	25.0

**Cellular and Bluetooth connectivity coming soon.

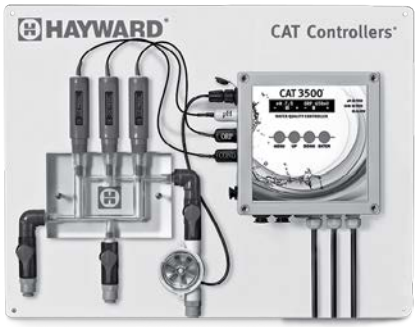


TOTAL SYSTEM ACCESS WITH POOLCOMM®

Take the power of CAT 6000 wherever you go with the innovative **PoolComm®** app. Whether you're managing a single spa or multiple commercial pools, PoolComm lets you view water quality data, print charts, analyze graphs—even receive alarms via email or text from any iPhone,® Android™ or other web-enabled device.

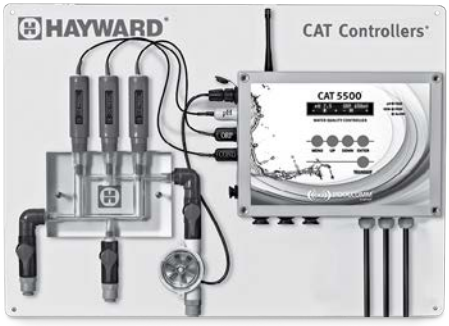
CAT 5500® AND CAT 3500® AUTOMATED PH/ORP CONTROLLERS WITH TDS AND SALT MONITORING CAPABILITIES

Discover powerful water chemistry controllers complete with TDS, temperature and salt monitoring. CAT 3500 automated controller and CAT 5500 wireless communicating controller are equipped with state-of-the-art sensing and control capabilities tailored specifically for salt chlorine applications. Powerful and intuitive, these models offer the utmost in convenience in pH, ORP, conductivity/NaCl, backup sanitization and internet-based monitoring.



CAT 3500

- **pH and ORP controller** with TDS/NaCl and temperature monitoring
- **Dual sanitizer set points** for back-up ORP control; temperature sensor for heater control
- **Auxiliary relays** for control versatility; 1 relay CAT 3500, 2 relays CAT 5500
- **Communicates wirelessly** to PoolComm®*
- **Comes complete** with CAT Professional Series pH, ORP and conductivity sensors for unsurpassed performance
- **Perfect complement** to Saline C® Series Salt Chlorine Generators
- **5-year limited warranty** on controller; 2-year warranty on sensors
- **NSF/ANSI Standard 50 Certified**



CAT 5500

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CATPP3500	CAT 3500 Professional Package with Temp/Cond/NaCl Display	1	20.0
CATPP5500WIFI	CAT 5500 Professional Package, Temp/TDS/NaCl - Wi-Fi Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP5500CELL	CAT 5500 Professional Package, Temp/TDS/NaCl - Cell Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0

*Applies to CAT 5500 only.



CAT 5000® AUTOMATED PH/ORP/ TEMPERATURE CONTROLLER WITH GLOBAL COMMUNICATIONS

CAT 5000 is an advanced wireless, internet-based water quality controller employing both satellite and terrestrial communications to provide worldwide coverage. This powerful system leverages affordable wireless technology and Internet-based monitoring to give you control like never before.

The CAT 5000 offers unprecedented product quality, value and ease of use. Simply install the factory-assembled CAT 5000 system and log onto PoolComm® to activate your wireless account and begin monitoring. Using your personal PoolComm account, you can view water quality data, print charts, analyze graphs, customize your settings and receive alarm notifications via email or SMS.



CAT 5000 PROFESSIONAL PACKAGE

- **State-of-the-art microprocessor-based water quality controller** with integrated global communications
- **Eliminates the cost** of installing and maintaining dedicated analog telephone lines
- **With 3 different wireless communication protocols** ranging from Wi-Fi® to cellular to satellite, the CAT 5000 will communicate wirelessly, 24/7, worldwide
- **Monitor and maintain via web browser** from any internet-enabled computer, mobile device, or via PoolComm App for iPhone® or Android™
- **5-year limited warranty** on controller; 2-year warranty on sensors
- **NSF/ANSI Standard 50 Certified**

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CAT-5000-WIFI	CAT 5000 Standard Package with Temp. – Wi-Fi Transceiver	1	20.0
CAT-5000-CELL	CAT 5000 Standard Package with Temp. – Cell Transceiver	1	20.0
CAT5000SAT	CAT 5000 Standard Package with Temp. – Satellite Transceiver	1	20.0
CATPP5000WIFI	CAT 5000 Professional Package with Temp. – Wi-Fi Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP5000CELL	CAT 5000 Professional Package with Temp. – Cell Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP5000SAT	CAT 5000 Professional Package with Temp. – Satellite Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CAT5000WIFIUL	CAT 5000 Standard Package with Temp. – Wi-Fi Transceiver and UL Listed – No Power Cords	1	20.0
CAT-5000-CELLUL	CAT 5000 Standard Package with Temp. – Cell Transceiver and UL Listed - No Power Cords	1	20.0
CAT5000SATUL	CAT 5000 Standard Package with Temp. – Satellite Transceiver and UL Listed - No Power Cords	1	20.0
CATPP5000WIFIUL	CAT 5000 Professional Package with Temp. – Wi-Fi Transceiver and UL Listed - No Power Cords, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP5000CELLUL	CAT 5000 Professional Package with Temp. – Wi-Fi Transceiver and UL Listed - No Power Cords, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP5000SATUL	CAT 5000 Professional Package with Temp. – Wi-Fi Transceiver and UL Listed - No Power Cords, includes Machined Acrylic Block Flow Cell and RFS	1	20.0

CAT 4000® AUTOMATED PH/ORP CONTROLLER WITH WIRELESS COMMUNICATIONS

Using the CAT 4000 system, you can easily log onto PoolComm® to activate your wireless account and begin monitoring your water quality. Using your personal PoolComm account, you can view water quality data, print charts, analyze graphs, customize your settings and receive alarm notifications via email or SMS.



CAT 4000 PROFESSIONAL PACKAGE

- **Wireless link to the PoolComm site** with extensive North American coverage and 24/7 monitoring
- **Incredibly simple to install and operate** via simple menus and a bright alphanumeric display
- **Compatible with** existing chemical feed equipment, so initial investment is minimized
- **Comes complete with** CAT Professional Series pH and ORP sensors for unsurpassed performance
- **Optional Wi-Fi® communications protocol** provides users free PoolComm access
- **5-year limited warranty** on controller; 2-year warranty on sensors
- **NSF/ANSI Standard 50 Certified**

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CAT-4000-WIFI	CAT 4000 Standard Package with Wi-Fi Transceiver	1	15.0
CAT-4000-CELL	CAT 4000 Standard Package with Cell Transceiver	1	15.0
CATPP4000WIFI	CAT 4000 Professional Package with Wi-Fi Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP4000CELL	CAT 4000 Professional Package with Cell Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0



» For more details and ordering information call 1.800.657.2287

CAT 2000® AUTOMATED PH/ORP CONTROLLER

Chemical automation is recognized by health officials and industry leaders as the safest, most effective method of maintaining precise, healthy water balance. The CAT 2000 constantly monitors pH and sanitizer activity (chlorine, bromine, even salt chlorine systems) and automatically implements chemical feeding in proportion to demand for picture-perfect water quality at all times.



CAT 2000 PROFESSIONAL PACKAGE

- **Simple installation,** setup and operation
- **Compatible with** all types of chemical feed equipment
- **5-year limited warranty** on controller; 2-year warranty on sensors
- **Factory-assembled system includes:** controller, sensors, machined acrylic flow cell, rotary flow sensor and PVC backboard
- **NSF/ANSI Standard 50 Certified**

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CAT2000	CAT 2000 Standard Package	1	15.0
CAT-PP2000	CAT 2000 Professional Package, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CAT2000CSO	CAT 2000 Controller & Sensors ONLY	1	6.0



CAT 1000® AUTOMATED PH CONTROLLER



Most cases of red eyes and itchy skin after pool use are caused by poor pH maintenance. With the CAT 1000, pH levels in your pool are continuously monitored and adjusted automatically. Chlorine is also the most effective in keeping water safe when pH is optimally maintained. Maintaining proper pH protects the costly pool surface and equipment, extending service life while reducing repairs and warranty issues.

» **The perfect enhancement** for salt-chlorine systems
» **Long lasting, low-maintenance sensors**
» **Spend more time enjoying your pool** instead of making routine pH adjustments
» **5-year limited warranty** on controller; 2-year limited warranty on sensors
» **NSF/ANSI Standard 50 Certified**

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CAT-1000-PH	CAT 1000 pH Controller Package	1	10.0
CAT-1000-CO2	CAT 1000 pH Controller Package with CO_2 Feeder	1	15.0
CAT-1000-ORP	CAT 1000 ORP Controller Package	1	10.0



» For more details and ordering information call 1.800.657.2287

POOLCOMM® WIRELESS WEB-BASED MANAGEMENT

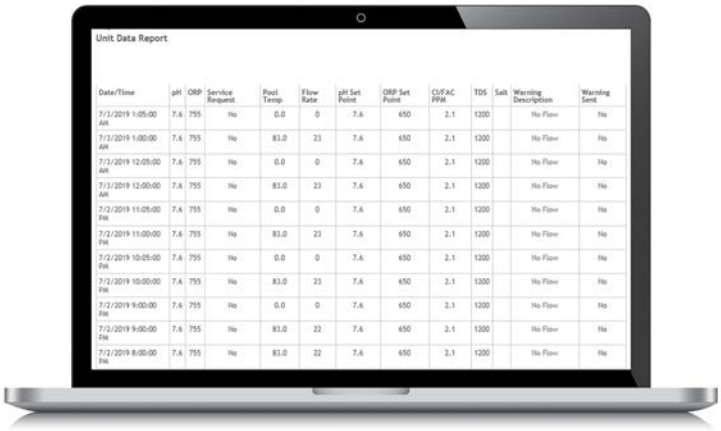
PoolComm is a revolutionary way to manage the water quality of multiple commercial pools and spas from a single remote location. This interface allows detailed monitoring and adjustment of pH, ORP, conductivity/NaCl, compliance documentation and more, all through the internet or PoolComm mobile app. Any computer, iPhone,® Android™ or web-enabled mobile device can manage a pool. The PoolComm App affords commercial pool servicers, operators and managers greater convenience and flexibility when monitoring water quality at their various facilities. The app is now available for FREE download on iPhone and Android.



- » **Wi-Fi® communications option** allows free access to PoolComm anytime
- » **Get direct control of systems** from any web browser
- » **Monitor and display** multiple facilities simultaneously
- » **Customize monitoring data** to display
- » **Receive near real-time detection** of pH and ORP problems
- » **Get color-coded alarm display,** with notification by email or SMS
- » **Promote customer satisfaction** by proactively solving problems

NOW MONITORS
CL, SALT & TDS READINGS

HAYWARD.COM/POOLCOMMAPPTUTORIAL
Watch the PoolComm App Tutorial





REMOTE WATER QUALITY MANAGEMENT AT YOUR FINGERTIPS.

PoolComm®

Download FREE PoolComm App for iPhone or Android.

Available on the App Store

GET IT ON Google play

HCC 4000 WIRELESS WATER CHEMISTRY CONTROLLER

The HCC 4000 Series controllers offer affordable, wireless water chemistry control to ensure safe and comfortable pH/ORP levels. Featuring customizable chemical feed mixing, it's simple to set the length and frequency of feed times for more consistent pH and sanitization levels. HCC 4000 controllers are the only HCC Series controllers that are compatible with the Hayward® PoolComm® app—meaning remote access, monitoring and control of commercial pool water quality is possible from any web-enabled device.



NSF Certified to NSF/ANSI Standard 50

1 YEAR WARRANTY

- **Wireless design** can transmit an infinite amount of chemical reading data to the Hayward PoolComm app
- **Comes completely assembled** for fast, easy installation
- **Includes sensors and an in-line strainer** for additional protection
- **Internally stores and displays** daily average chemical readings for up to 10 days
- **Calculates derived free chlorine** and displays PPM
- **1-year limited warranty** on controller and sensors
- **NSF Certified**

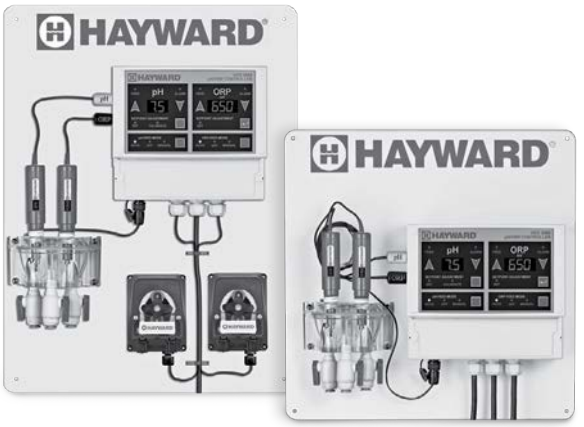
PART NUMBERS

		CARTON	
PART NUMBERS	DESCRIPTION	QTY	WEIGHT
HCC4000WIFI	HCC 4000 Hayward Chemistry Controller—pH and ORP—with Wi-Fi	1	15 lbs.
HCC4000CELL	HCC 4000 Hayward Chemistry Controller—pH and ORP—Cell	1	15 lbs.
HCC4000WIFIAU	HCC 4000 Hayward Chemistry Controller—pH and ORP—with Wi-Fi and Gold ORP Sensor	1	15 lbs.
HCC4000CELLAU	HCC 4000 Hayward Chemistry Controller—pH and ORP—Cell and Gold ORP Sensor	1	15 lbs.



» For more details and ordering information call 1.800.657.2287

HCC 2000 AUTOMATED PH/ORP CONTROLLER



The HCC 2000 Series are powerful yet affordable microprocessor-based pH/ORP controllers. The controllers feature proportional feed to ensure precise water chemistry and reduced maintenance. The HCC 2000 complete package is complemented by reliable chemical feed equipment, providing the ultimate one-stop-shop experience. This water chemistry controller package comes complete with flow cell, flow sensor and pre-mounted peristaltic feed pumps for pH and chlorine adjustment.

- » **Advanced microprocessor-based design** technology
- » **Comes with chemical feed equipment** compatible with all existing chemical feed systems: chlorine, bromine, electronic chlorine (salt) generators, acid and CO_2
- » **Simple-to-operate user interface** with easy-to-read LED display
- » **Complete package offers** a total chemical automation system for easy installation and ultimate convenience
- » **1-year limited warranty** on controller and sensors
- » **NSF/ANSI Standard 50 Certified** (HCC 2000 only)

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCC2000	HCC 2000 pH and ORP Water Chemistry Controller	1	11.0
HCC2000-AU	HCC 2000 pH and ORP Controller with Gold ORP Sensor	1	11.0
HCC2000-CP	HCC 2000 pH and ORP Complete Package with Pre-mounted Chemical Feed Pumps	1	20.0
HCC2000-INT*	HCC 2000 pH and ORP Water Chemistry Controller 220V/50HZ	1	15.0
HCC2000-CP-INT*	HCC 2000 pH and ORP Water Chemistry Controller with Pumps 220V/50HZ	1	20.0

HCC 1000 AUTOMATED PH CONTROLLER



The HCC 1000 is a single channel pH water chemistry controller that provides powerful technology in a simple, affordable package. The controller ensures pH is precisely maintained to optimize chlorine effectiveness. The HCC 1000 features a pH sensor, water chemistry controller, flow cell and pressure sensor, all factory-assembled and pre-mounted on a durable PVC backboard. The complete package additionally includes a chemical feed pump mounted on the PVC backboard for ultimate convenience.

- » **Perfect for new and existing applications,** especially saltwater pools
- » **Proper pH maintenance** enhances chlorine effectiveness, bather comfort and safety
- » **Factory engineered, pre-configured** to ensure simple professional installation
- » **1-year limited warranty** on controller and sensors
- » **NSF/ANSI Standard 50 Certified** (HCC 1000 only)

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCC1000-pH	HCC 1000 pH Controller	1	10.0
HCC1000-CO2	HCC 1000 pH Controller with CO_2 Feeder	1	15.0
HCC1000-ORP	HCC 1000 ORP Controller	1	10.0
HCC1000-pH-CP	HCC 1000 pH Complete Package with Pre-mounted Chemical Feed Pump	1	15.0

*CE Certified

COMMERCIAL AUTOMATION ACCESSORIES

PART NUMBER	DESCRIPTION	CARTON QTY.	CARTON WEIGHT
AC003	Residential CO_2 pH Control System	1	5.0 lbs.
AC004**	Standard CO_2 System	1	7.0 lbs.
AC005	High Output CO_2 System	1	7.0 lbs.
AC006	Auto Switch Over for CO2 system	1	6.0 lbs.
AC015	110 VAC Brass Body Solenoid Valve	1	3.0 lbs.
AC016	24 VAC Brass Body Valve 3/4"	1	3.0 lbs.
AC018	110 VAC Stainless Steel Body Solenoid Valve	1	3.0 lbs.
AC025	Stenner Pump Variable Pump Output 85 GPD	1	9.0 lbs.
AC030	Stenner Pump Fixed Pump Output 50 GPD	1	9.0 lbs.
AC0317	BNC Sensor Connector Adaptor	1	1.0 lbs.
AC035	Peristaltic Feed Pump 31 GPD	1	5.0 lbs.
AC063	Molded Flow Cell Complete w/Valves and Floating Flow Sensor	1	2.0 lbs.
AC065	Molded Flow Cell Complete for Conductivity Sensor	1	2.0 lbs.
AC075	Machined Flow Cell w/Rotary Flow Sensor	1	6.0 lbs.
AC080	Acrylic Flow Cell Complete for Conductivity Sensor	1	5.0 lbs.
AC316	CAT 5000® Temperature Sensor	1	1.0 lbs.
AQL-CHEM4-ACID*	Complete pH Chemical Feed System with 15 Gallon Tank and Containment Tray	1	24.0 lbs.
AQL-CHEM4-CHLOR	Complete Cl Chemical Feed System with 15 Gallon Tank and Containment Tray	1	24.0 lbs.
DF010	Digital Flow Meter	1	2.0 lbs.
DF015-1-5	Saddle Clamp Kits 1.5" for Sch 40	1	1.0 lbs.
DF020-2-5	Saddle Clamp Kits 2.5" for Sch 40	1	1.0 lbs.
DF030-3	Saddle Clamp Kits 3.0" for Sch 40	1	2.0 lbs.
DF040-4	Saddle Clamp Kits 4.0" for Sch 40	1	2.0 lbs.
DF060-6	Saddle Clamp Kits 6.0" for Sch 40	1	2.0 lbs.
DF080-8	Saddle Clamp Kits 8.0" for Sch 40	1	2.0 lbs.
DF100-10	Saddle Clamp Kits 10.0" for Sch 40	1	2.0 lbs.
DF120-12	Saddle Clamp Kits 12.0" for Sch 40	1	2.0 lbs.
DF815-1-5	Saddle Clamp 1.5" for Sch 80	1	1.0 lbs.
DF820-2	Saddle Clamp 2.0" for Sch 80	1	1.0 lbs.
DF825-2-5	Saddle Clamp 2.5" for Sch 80	1	1.0 lbs.
DF830-3	Saddle Clamp 3.0" for Sch 80	1	1.0 lbs.
DF840-4	Saddle Clamp 4.0" for Sch 80	1	1.0 lbs.
DF860-6	Saddle Clamp 6.0" for Sch 80	1	1.0 lbs.
DF880-8	Saddle Clamp 8.0" for Sch 80	1	1.0 lbs.

PART NUMBER	DESCRIPTION	CARTON QTY.	CARTON WEIGHT
DF8100-10	Saddle Clamp 10" for Sch 80	1	1.0 lbs.
DF8120-12	Saddle Clamp 12" for Sch 80	1	1.0 lbs.
LS010	Optical Level Sensor	1	1.0 lbs.
LS020	Top Mount Tank MTG Level Kit	1	1.0 lbs.
PRO15-2	pH Probe 24" Cable	1	1.0 lbs.
PRO15-10	pH Probe 120" (10') Cable	1	1.0 lbs.
PRO25-AU-2	ORP Probe 24" Cable AU=Gold Tip	1	1.0 lbs.
PRO25-AU-10	ORP Probe 120" (10') Cable AU=Gold Tip	1	1.0 lbs.
PRO25-2	ORP Probe 24" Cable	1	1.0 lbs.
PRO25-10	ORP Probe 120" (10') Cable	1	1.0 lbs.
PRO55-2	Conductivity Probe NaCl 24" Cable	1	1.0 lbs.
PRO65	Conductivity, NaCl, and Temperature Sensor - Solid State for CAT 6000™	1	1.0 lbs.
PRO75	True Free Chlorine Sensor - Solid State for CAT 6000	1	1.0 lbs.
AC090	Flow Cell Assembly - without Flow Sensor for CAT 6000	1	3.0 lbs.
PS001	Probe Saver Kit	1	2.0 lbs.
RA030W	Remote Wi-Fi® Antenna – 2.5GH Frequency - with 10' Cable	1	5.0 lbs.
RA035C	Remote Cellular Antenna – Penta Band - with 10' Cable	1	5.0 lbs.
SV030	30 Gallon Solution Vat	1	30.0 lbs.
WL010	Water Level Control Kit	1	5.0 lbs.
PTC30	Pump Tank Combo 30/45M5	1	35.0 lbs.



*COMPLETE PH CHEMICAL FEED SYSTEM (AQL-CHEM4- ACID)



**STANDARD CO2 SYSTEM

Commercial Sanitization

With our sanitization solutions, commercial pools and spas benefit from the clearest, safest water possible. Our Saline C® Series salt chlorine generators meet commercial demands while delivering the same natural comforts of salt chlorination so common in the residential market. Our HydroRite UV ultraviolet secondary disinfection system is the only low-pressure UV system NSF-certified to to kill 99.9%* of Cryptosporidium and other chlorine-resistant microorganisms, while reducing skin-irritating chloramines. Plus, you can pair our salt chlorinators and secondary disinfection systems with CAT Controllers for a completely automated sanitization solution.



HYDRORITE UV COMMERCIAL ULTRAVIOLET SECONDARY AND SUPPLEMENTAL SYSTEMS

ELIMINATE 99.9%* OF PATHOGENS FOR 100% PEACE OF MIND.

HydroRite UV from Hayward® Commercial Aquatics isn't just our most user-friendly sanitization system ever—it's also the most sophisticated pool sanitization product available. As the only low-pressure UV system certified by the NSF to destroy 99.9%* of Cryptosporidium (a leading cause of Recreational Water Illness) and other chlorine-resistant microorganisms, HyrdoRite UV utilizes two separate ultraviolet wavelengths to create ozone and powerful germ-destroying hydroxyl radicals. And because it reduces demand for both energy and chloramine-producing chemicals, HydroRite UV is definitive solution for greater savings and the greatest swimmer comfort possible.

c UL us LISTED | C SP® US | NSF Certified to NSF/ANSI Standard 50 | 1 YEAR WARRANTY

LOW-RISK INVESTMENT FOR HIGH-RISK ENVIRONMENTS.

» **Kills 99.9% of Cryptosporidium** using dual-wavelength (185/254 nm) UV to produce ozone and hydroxyl radicals
» **Supplemental and/or secondary disinfection** as recommended by the CDC Model Aquatic Health Code (MAHC)
» **Reduces irritating chloramines 50% or more,** improving indoor air quality and swimmer comfort
» **Reduces chemical demand 50% or more,** lowering operating costs and extending salt cell life
» **Low-pressure UV bulbs** provide sterilization and oxidation with little or no impact on chlorine level
» **Lightweight construction** uses Schedule 80 PVC and 316L stainless steel for simple installation and maintenance
» **Intuitive, plug-and-play design** is easy to navigate and conserves energy with 120V power input
» **Extended lamp life** rated for 13,000 hours, more than double the time for comparable medium-pressure systems
» **NSF 50 tested & certified to EPA standard** from cryptosporidium removal

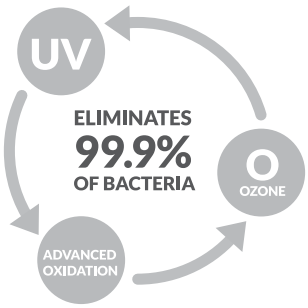
*HydroRite UV Secondary Disinfection Systems are certified to achieve a minimum inactivation equivalent of 3 log (99.9%) Cryptosporidium Parvum in accordance with NSF 50 and the US EPA UV DGM.

STAY ON THE SAFEST SIDE OF SANITIZATION

High bather loads create higher bacteria levels—most left untreated by chlorine alone. As a proactive measure, the U.S. Centers for Disease Control has created the MAHC, which highly recommends the use of UV or Ozone as a supplemental disinfectant treatment in every commercial pool. Hayward's HydroRite UV ensures that commercial facilities stay on the cutting-edge of swimmer safety by using 3-log reduction—a standard set by the EPA—to reduce RWIs caused by *Cryptosporidium* and other harmful chlorine-resistant microorganisms.

INSIDE THE VESSEL–BEHIND THE SCENES.

1. Dual-wavelength amalgam lamps produce both **ozone** and germicidal UV.
2. The ozone-treated water is exposed to **ultraviolet rays** that inactivate algae, bacteria and viruses.
3. The germicidal UV interacts with the ozone to create hydroxyl free radicals (which have more oxidation potential than ozone) in a process known as **Advanced Oxidation Process** (AOP).



NSF-50 CERTIFIED MODELS FOR SUPLIMENTAL DISINFECTION	
PART NUMBER	MAX FLOW RATE (GPM)
HYR75	Up to 61
HYR150	Up to 150
HYR400	Up to 350

CRYPTO CERTIFIED MODELS FOR SECONDARY DISINFECTION	
PART NUMBER	MAX FLOW RATE (GPM)
HYR75L4	Up to 58
HYR150L4	Up to 126
HYR400L4	Up to 333



SUPPLEMENTAL DISINFECTION SYSTEMS

TECHNICAL SPECIFICATIONS

PART NUMBER	HYR75	HYR150	HYR400
Sanitization	>3-log removal of *E. faecium* and *P. aeruginosa* bacteria	>3-log removal of *E. faecium* and *P. aeruginosa* bacteria	>3-log removal of *E. faecium* and *P. aeruginosa* bacteria
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	17" H x 13" W x 6.5" D	17" H x 13" W x 6.5" D	17" H x 17" W x 6.5" D
Vessel Dimensions	6" Column Diameter 46" L x 11" H	8" Column Diameter 48" L x 13" H	10" Column Diameter 46" L x 19" H
Carton Weight	196 lbs.	236 lbs.	350 lbs.
Housing Inlet/Outlet	2" Union inlet/outlet	3" Union inlet/outlet	4" Union inlet/outlet
Reaction Chamber Style	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining
Power Input	120VAC, 60Hz, 2.0 Amps	120VAC, 60Hz, 3.0 Amps	120VAC, 60Hz, 5.0 Amps
Flow Sensor	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch
UV Lamps	1 Lamp	2 Lamps	4 Lamps
Lamp Wavelengths	254nm/185nm	254nm/185nm	254nm/185nm
Lamp Life	13,000 hours	13,000 hours	13,000 hours
Ozone Production	12 grams per hour	25 grams per hour	48 grams per hour
Operating Temp. Rating	40˚F to 104˚F	40˚F to 104˚F	40˚F to 104˚F
Amp Draw	1.2	2.4	4.8
Hz	60	60	60
Vessel Rated Pressure	50 psi	50 psi	50 psi
Rated Flow-rate for Efficacy	Up to 60 GPM	Up to 150 GPM	Up to 350 GPM
Installation Environment	Indoor/outdoor use	Indoor/outdoor use	Indoor/outdoor use
Cable Length	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp
Safety System	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator
Warranty	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months



NSF certified to destroy 99.9% of Crypto

SECONDARY DISINFECTION SYSTEMS

TECHNICAL SPECIFICATIONS

PART NUMBER	HYR75L4	HYR150L4	HYR400L4
Sanitization	>3-log removal of *Cryptosporidium Protozoa*, *E. faecium* and *P. aeruginosa* bacteria	>3-log removal of *Cryptosporidium Protozoa*, *E. faecium* and *P. aeruginosa* bacteria	>3-log removal of *Cryptosporidium Protozoa*, *E. faecium* and *P. aeruginosa* bacteria
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	17" H x 13" W x 6.5" D	17" H x 13" W x 6.5" D	21" H x 17" W x 6.5" D
Vessel Dimensions	6" Column Diameter 46" L x 11" H	8" Column Diameter 48" L x 13" H	10" Column Diameter 46" L x 19" H
Carton Weight	196 lbs.	236 lbs.	350 lbs.
Housing Inlet/Outlet	2" Flange inlet/outlet	3" Flange inlet/outlet	4" Flange inlet/outlet
Reaction Chamber Style	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining
Power Input	120VAC, 60Hz, 2.0 Amps	120VAC, 60Hz, 3.0 Amps	120VAC, 60Hz, 5.0 Amps
Flow Sensor	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch
UV Lamps	1 Lamp	2 Lamps	4 Lamps
Lamp Wavelengths	254nm/185nm	254nm/185nm	254nm/185nm
Lamp Life	13,000 hours	13,000 hours	13,000 hours
Ozone Production	12 grams per hour	24 grams per hour	48 grams per hour
Operating Temp. Rating	40˚F to 104˚F	40˚F to 104˚F	40˚F to 104˚F
Amp Draw	1.2	2.4	4.8
Hz	60	60	60
Vessel Rated Pressure	50 psi	50 psi	50 psi
Rated Flow-rate for Efficacy	Up to 58 GPM	Up to 126GPM	Up to 333 GPM
Installation Environment	Indoor/outdoor use	Indoor/outdoor use	Indoor/outdoor use
Cable Length	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp
Safety System	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator
Warranty	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months
Display	Touch menu driven with m^2 or mW/cm^2 UV intensity	Touch menu driven with m^2 or mW/cm^2 UV intensity	Touch menu driven with m^2 or mW/cm^2 UV intensity
Operating Measurements	Flow rate, individual lamp intensity and vessel water temperature	Flow rate, individual lamp intensity and vessel water temperature	Flow rate, individual lamp intensity and vessel water temperature
Auxiliary Relay	Low voltage dry contact alarm relay — NO/NC/COM	Low voltage dry contact alarm relay — NO/NC/COM	Low voltage dry contact alarm relay — NO/NC/COM

**Excluding lamps, quartz sleeves and stainless steel insert



COMMERCIAL SALT CHLORINE GENERATORS

The Saline C® Series of electronic chlorine generators provides an elegant, rugged solution specifically designed to meet the demands of commercial installation. The new Saline C 11.0 model is capable of generating 11 lbs of chlorine per day, complementing the current Saline C 6.0, which is capable of generating 6 lbs per day. Both systems deliver all of the benefits of salt chlorination without the wasted space and extra cost of multiplexing multiple residential units.

MVP 2018 MOST VALUABLE PRODUCTS



SALINE C 11.0

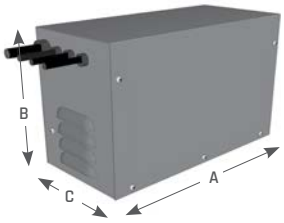


SALINE C 6.0

SALINE C SERIES

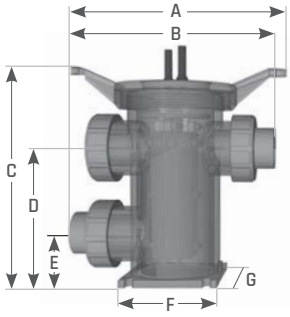
- **High-output compact single cell and single power supply options** provide the perfect solution for virtually any pool or regulatory requirement
- **Compact design** with single electrolytic cell
- **110V plug-in** efficient switch mode power supply
- **Industrial-grade, clear vessel** for easy inspection
- **Plug N' Play** chemical automation
- **Reduce chloramines** and associated odors/corrosion
- **Simple, low-cost installation** vs. multi-cell alternatives
- **NSF Certified/ANSI Standard 50 Certified**
- **2-year limited warranty**

NSF Certified to NSF/ANSI Standard 50 | ETL LISTED c US | CSA CERTIFIED | 2 YEAR WARRANTY



POWER SUPPLY DIMENSIONS

	SALINE C 6.0	SALINE C 11.0
A	12"	12.75"
B	8"	8"
C	5.625"	11.125"



VESSEL DIMENSIONS

	SALINE C 6.0	SALINE C 11.0
A	13.5"	16.06"
B	12.875"	15.56"
C	15.75"	22.42
D	9.5"	14.83"
E	3.25"	4.83"
F	6"	6"
G	6"	6"

TRY IT WITH



For total efficiency and maximum control, **HydroRite® UV** is the perfect complement to **Saline C Series** salt chlorine generators and our pH/ORP CAT Controllers,® like the new **CAT 6000.™** When these products are installed together, this complete sanitization system becomes an advanced automated water quality solution. Connect with **PoolComm®** to enjoy effortless remote monitoring (now including conductivity/NaCl) and audit tracking.

SALINE C® SERIES TECHNICAL SPECIFICATIONS

PART NUMBER	HCSC60	HCSC110
Power Supply Dimensions	12" W x 8" H x 5.625" D	12.75" W x 8" H x 11.125" D
Vessel Dimensions	13.5" W x 15.75" H x 6" D	16.06" W x 22.42" H x 9.28" D
Certifications	UL1081, CSA C22, NSF/ANSI 50	UL1081, CSA C22, NSF/ANSI 50
LCD Display	Output adjustable 0 - 100%	(2) Output adjustable 0 - 100%
Flow Sensor	2" Magnetic with embedded reed switch	4" Magnetic with embedded reed switch
Power Input (Power Supply)	USA: 5.0 amps, 120V/60Hz International: 4.0 amps, 230V/50Hz	USA: 10.0 amps, 120V/60Hz International: 8.0 amps, 230V/50Hz
ORP Input	Cord with male pigtail connected (supplied blue cord)	Cord with male pigtail connected (supplied blue cord)
Vessel Rated Pressure	50 psi	50 psi
Housing Inlet/ Outlet	2" Union inlet/outlet	4" Union inlet/outlet
Reaction Chamber Style	Clear plastic	Clear plastic
Flow Required	40 GPM through cell to achieve rated production	80 GPM through cell to achieve rated production
Maximum Flow Rate	125 GPM	250 GPM
Salt Operating Range	3,500 - 5,000 ppm	3,500 - 5,000 ppm
Electrode Stack	Reverse polarity 4mm plate gap	Reverse polarity 4mm plate gap
Rated Production Capacity	5.0 lbs @ 3,500 ppm* 6.0 lbs @ 5,000 ppm*	9.2 lbs @ 3,500 ppm** 10.8 lbs @ 5,000 ppm**
Safety System	5 GPM low flow shutoff Low salt indicator Low salt shutoff (2500-3,000 ppm) Over voltage and over current protection Conformal coated electronics for environmental protection	5 GPM low flow shutoff Low salt indicator Low salt shutoff (2500-3,000 ppm) Over voltage and over current protection Conformal coated electronics for environmental protection
Warranty	2-year warranty Warranty pro-rated on electrode stack	2-year warranty 2-year warranty on power supply (Saline C 11.0 only) 1-year full warranty and 2-years pro-rated on electrode stack

ACCESSORIES

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCSBP3-KIT***	3" Commercial Salt Chlorine Generator – Bypass Kit	1	16.0
HCSBP4-KIT***	4" Commercial Salt Chlorine Generator – Bypass Kit	1	19.0
HCSJBOX-BU****	Junction Box for Sanitizer Back-up	1	3.0
HCSCECK15	15' Cell to Power Supply – Extension Cable Kit	1	5.0
HCSCECFS15	15' Flow Sensor to Power Supply – Extension Cable Kit	1	5.0



***BYPASS KIT



****JUNCTION BOX

*NSF Certified at 5 lbs. per day at 3500 ppm.
**NSF Certified at 10 lbs. per day at 3500 ppm.
*** For use with Saline C 6.0 only. Saline C 11.0 kits coming soon.

HAYWARD.COM/SALINECVIDEO
Watch the power of Saline C Series

Commercial Cleaners

Hayward® Commercial Aquatics offers commercial cleaners ideal for the Class B/HMAC recreational water market. Our TigerShark™ 2 is designed for durability and backed by a nationwide network of factory-authorized service centers.

TIGERSHARK 2

» **On-board computer** calculates pool size and most efficient cleaning pattern
» **Preset 7-hour clean cycle** automatically turns off when done
» **Powerful on-board pumps** vacuum dirt and debris
» **Scours pool bottom, walls, inclines and steps** for a complete clean
» **Patented easy-clean removable cartridge** can be rinsed with a garden hose

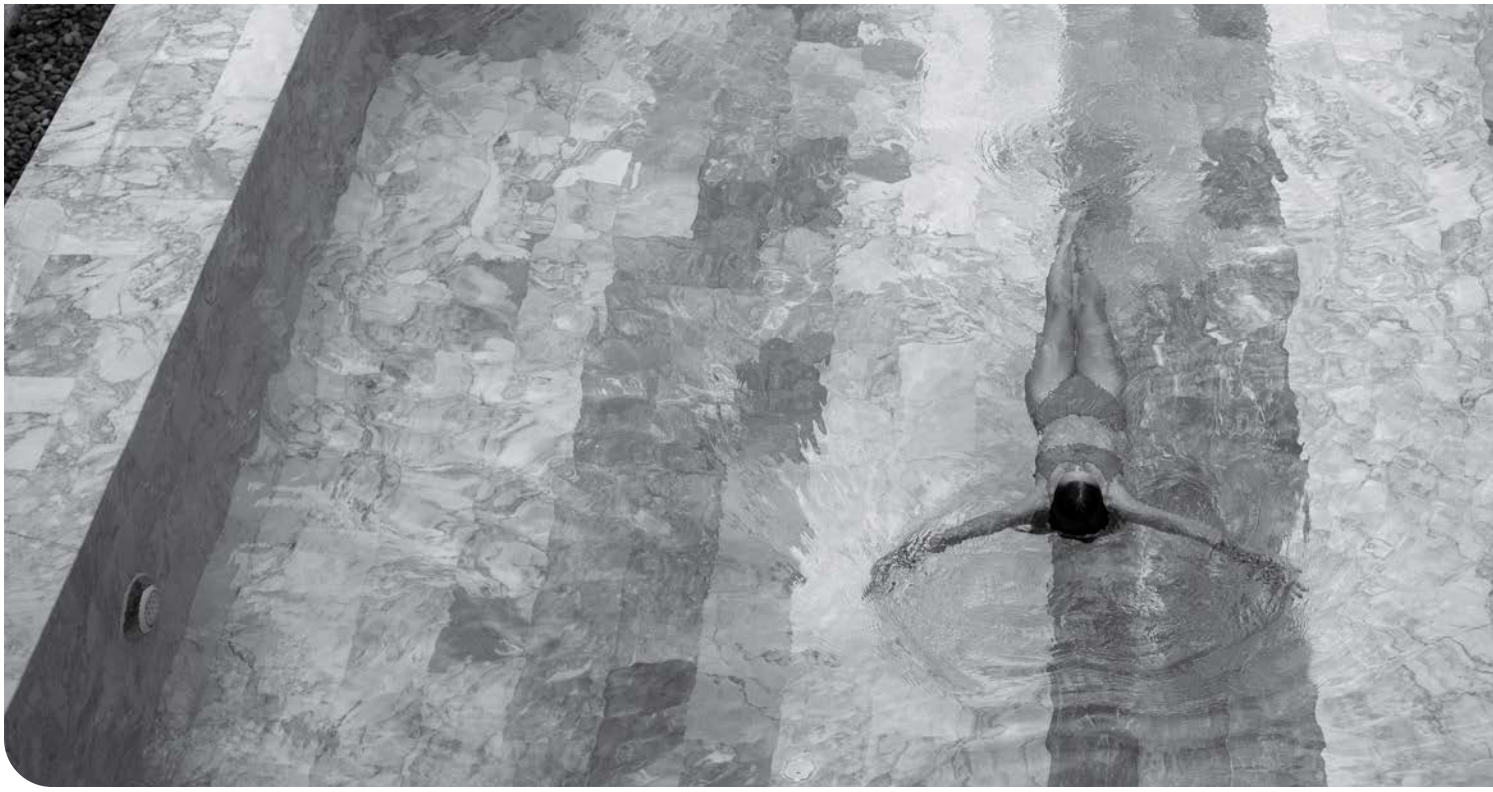




CADDY CART

SPECIFICATIONS

Part Number	RC9956GRCC	Cord Length	100'
Rec. Pool Size	Up to 30' x 60'	Voltage	120V/60Hz
Gallons Circulated	4500 GPH	Height/Width/Length	11" x 16" x 16"
Filter Micron Porosity/Area	5/1000 in.^{2}	Caddy Cart	Included
Motor System	Non-oil filled, microprocessor	Carton Quantity	1
Cleaning Speed	55 ft.^{2}/minute	Carton Weight (lbs.)	44.0
Dual-Mode Cleaning Cycles	7-hours bottom, wall and waterline	Warranty	2-year limited warranty
Recurring Cleaning Cycle	Not Available	Sensors	N/A



AMBIANCE AND COMFORT

THE MOST EFFICIENT WAYS TO SET THE MOOD AND EXTEND THE POOL SEASON.

The best commercial pools are the ultimate haven for your customers and guests. From lighting to heating, Hayward® turns an everyday swim into an unforgettable experience. Our industry-leading heaters excel in long-lasting performance and unmatched energy efficiency, while our lighting options change the game completely. Whether you're looking for vibrant color-saturated light shows or the brightest-in-the-industry white LED lighting, Hayward saves you up to 86% on energy costs—without sacrificing an ounce of brilliance. You provide the swimmers, we'll provide the memories. It's the Hayward way.



Commercial Lighting

Hayward Commercial Aquatics gives you brilliant, versatile lighting options for both new construction and remodels to transform any body of water. First to be UL Listed to retrofit virtually all existing manufacturers' niches, Universal CrystaLogic® white LED and Universal ColorLogic® lighting are designed with industry-leading technology to cut operation costs and deliver unparalleled performance. CrystaLogic and ColorLogic 320 and 160 accent lights provide total coordination of all water environments by putting smaller pool and spa features in the spotlight.



UNIVERSAL CRYSTALOGIC WHITE LED POOL & SPA LIGHTS

Universal CrystaLogic White LED Pool and Spa Lights deliver bright, longerlasting LED lighting for commercial pools and spas. Universal CrystaLogic White LED Lighting represents a breakthrough technology for the illumination of any water feature or body of water. The optimized LED and optic design delivers both extraordinary lumen per watt energy efficiency and associated long lifetime cost. Our 500W equivalent LED Light is the only white LED light to deliver lumens equal to that of a 500W incandescent light. Our 300W pool equivalent delivers the same lumens as the leading competitor's claimed 500W equivalent and offers savings of 86% vs. incandescent equivalents.

c UL us | 1 YEAR WARRANTY

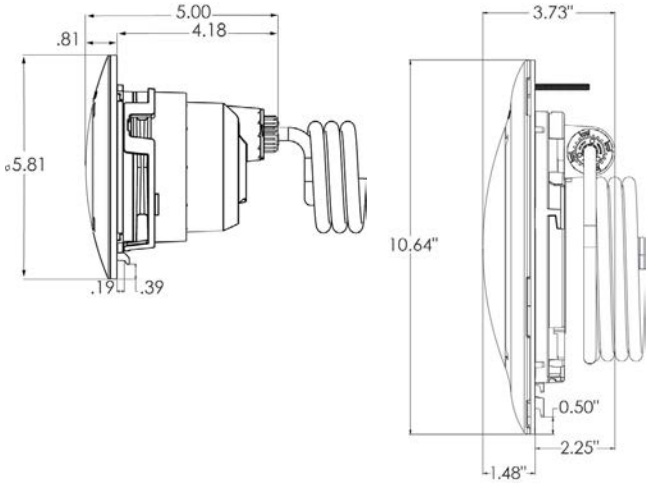
- » **LED pool light UL listed for safe installation** in virtually any manufacturer's niche
- » **Industry-leader** in Color
- » **Directional Optics** for Glare Reduction
- » **Detachable Cord** for ease of service
- » **Adjustable Lower Catch** to overcome variations in plaster depth
- » **Easily adjust to angled niches** using the rotatable mounting flange
- » **Stainless Steel** trim options
- » **All plastic construction** with no gaskets increases plaster depth

SPECIFICATIONS

PART NUMBER	WATTAGE EQUIVALENT/ LUMENS	POOL OR SPA	VOLTAGE	CORD LENGTH (FT.)
LSLUS221030	100W/1100	Spa	12	30
LSLUS221050	100W/1100	Spa	12	50
LSLUS221100	100W/1100	Spa	12	100
LSLUS221150	100W/1100	Spa	12	150
LPLUS221030	300W/3300	Pool	12	30
LPLUS221050	300W/3300	Pool	12	50
LPLUS221100	300W/3300	Pool	12	100
LPLUS221150	300W/3300	Pool	12	150
LPLUS221150	500W/4900	Pool	12	30
LPWUS11050	500W/4900	Pool	12	50
LPWUS11100*	500W/4900	Pool	12	100
LPWUS11150*	500W/4900	Pool	12	150
LPWUS11200*	500W/4900	Pool	12	200

*For cord lengths of 100ft or greater, use a 14V transformer output to ensure optimal performance.

DIMENSIONS



CRYSTALOGIC® 320 & 160 WHITE LED LIGHTS

CrystaLogic 320 & 160 lights provide an elegant solution for commercial swimming pool and spa lighting. They can also illuminate smaller features or landscapes, bringing brilliance to areas that are difficult to reach with traditional lighting. The easiest 1.5-inch lights to install, at just 4 inches below waterline and in as little as 8 inches of PVC conduit, our 320 & 160 lights are ideal for steps, water features, jets, bubblers, baja shelves, fountains, spray/splash pads, landscape features and more.

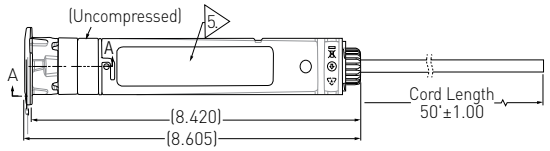


c UL US | 1 YEAR WARRANTY

- » **Allow for total coordination** of all water environments
- » **Easiest 1.5-inch lights to install** at just 4 inches below waterline in any depth of water and in as little as 9 inches of PVC conduit
- » **Ideal for commercial pool/spa lighting** or lighting steps, water features, baja shelves, bubblers, spray/splash pads and more
- » **Can be installed** in dry/landscape applications
- » **Last 10 times longer** than incandescent lights
- » **Available in two brightness levels** with multiple cord lengths
- » **Vinyl, Fiberglass, and Concrete** low-profile installations
- » **UL Listed** for safe floor or wall installation
- » **1-year limited warranty**

DIMENSIONS FOR STANDARD SWITCHED OR HAYWARD® AUTOMATION NETWORKED LIGHTS

STANDARD SWITCHED LIGHTS



SPECIFICATIONS

STANDARD SWITCHED LIGHTS		EQUIVALENT BRIGHTNESS	LUMENS	CORD LENGTH (FT.)
LAWUS11030	High Lumen CrystaLogic 320 12V Lights	100W	1100	30
LAWUS11050				50
LAWUS11100				100
LAWUS11150				150
LYWUS11030	Standard Lumen CrystaLogic 160 12V Lights	60W	600	30
LYWUS11050				50
LYWUS11100				100
LYWUS11150				150

CRYSTALOGIC® & COLORLOGIC® LED REPLACEMENT BULBS

CrystaLogic and ColorLogic LED Replacement Bulbs are the quickest, most cost-effective way to upgrade standard incandescent pool lights to energy-efficient LEDs. With 10x longer life than incandescents and a lower lifetime cost, they ensure season after season of savings.

- **Exceed the lumen output** of typical 300W incandescent bulbs while using up to 87% less energy
- **120V bulb UL Listed** for direct replacement of virtually any 300-500W incandescent bulb
- **10 fixed colors** and 7 color-changing light shows with ColorLogic LED Replacement Bulb
- **Last 10 times longer** than incandescent bulbs
- **Simple installation and retrofitting** into Hayward® AstroLite™, DuraLite and other incandescent housings



SPECIFICATIONS	CRYSTALOGIC	COLORLOGIC
PART NUMBER	BPWUS11120	BPCUS11120
BRIGHTNESS	4800 lumens	—
EQUIVALENT BRIGHTNESS	500W	—
BULB TYPE	R40	R40
APPLICATION	Pool	Pool
WARRANTY	1-year warranty	3-year warranty



» For more details and ordering information call 1.800.657.2287

UNIVERSAL COLORLOGIC® COLOR LED LIGHTS

Hayward® Universal ColorLogic lights are the first automated color-changing LED lights designed to illuminate nearly any existing pool or spa, even those with just one light. UL Listed to retrofit virtually any existing light niche, these lights come standard with 10 vibrant colors and 7 light shows. Universal ColorLogic lights shine 100% brighter* than any other color LED lighting and last up to 10 times longer than incandescent bulbs. Best of all, they offer energy savings of up to 86% when compared with incandescent.

- **100% brighter*** than any other color LED light
- **Use up to 86% less energy** than incandescent lights and last up to 10 times longer
- **12V, 2-wire, all-plastic construction** and an unbreakable lens makes them intrinsically safe and easy to install
- **UL Listed** to retrofit most manufacturers' installed niches
- **Can be installed** as close as 4 inches from the waterline or upward facing without a rock guard, suitable for main pool/spa illumination, beach entries, steps, shelves, water features, etc.
- **UCL Thin Niche** provides incredible installation savings for new construction
- **Color trim rings** for pool and spa lights include smooth white and silver luster starburst—both ship with product
- **Additional trim ring options** include white starburst, black, blue, beige and gray
- **Brilliant** 10 fixed colors and 7 color-changing shows
- **White brightness** equivalent to 2300 lumens
- **1-year limited warranty**

COLORLOGIC LED ACCENT LIGHTS

Bringing commercial pool and spa features to life is easier than ever with our range of versatile ColorLogic accent lights. ColorLogic 320 & 160 1.5-inch lights are ideal for low-profile full pool and spa lighting or for highlighting steps, jets, bubblers, baja shelves, fountains, landscaping and more, while ColorLogic 80 & 40 0.5-inch lights are designed to brighten smaller, harder-to-illuminate areas.

- **Provide 10 fixed colors** and 7 color-changing shows
- **Allow for total coordination** of all water environments
- **Easiest 1.5-inch lights to install** at just 4 inches below waterline in any depth of water and in as little as 9 inches of PVC conduit
- **Ideal for commercial pool/spa** lighting or lighting steps, water features, baja shelves, bubblers, spray/splash pads and more
- **Can be installed** in dry/landscape applications
- **Last 10 times longer** than incandescent lights
- **Available in two** brightness levels
- **UL Listed** for safe floor or wall installation
- **1-year limited warranty**

*Based on measured test data (2016).



c UL us | 1 YEAR WARRANTY



SPECIFICATIONS

STANDARD SWITCHED LIGHTS		CORD LENGTH (FT.)	WHITE BRIGHTNESS (LUMENS)
LACUS11030	High Lumen ColorLogic 320 12V Lights	30	640
LACUS11050		50	
LACUS11100		100	
LACUS11150		150	
LYCUS11030	Standard Lumen ColorLogic 160 12V Lights	30	333
LYCUS11050		50	
LYCUS11100		100	
LYCUS11150		150	



SPECIFICATIONS

PART NUMBER	DESCRIPTION	WHITE BRIGHTNESS (LUMENS)
LMCUS11050	ColorLogic 80,* ½" LED Light — High Lumen	165
LNCUS11050	ColorLogic 40,* ½" LED Light — Standard Lumen	83
LMCUSPS005	ColorLogic Controller, Switched Version	--

c UL us | 1 YEAR WARRANTY

*ColorLogic 80 and 40 must be paired with a Switched or Networked ColorLogic Controller.

ACCESSORIES FOR UNIVERSAL CRYSTALOGIC®, UNIVERSAL COLORLOGIC, CRYSTALOGIC/COLORLOGIC 320 & 160 AND COLORLOGIC 80 & 40 LIGHTS

J-BOX TRANSFORMER RETROFIT KIT

PART NUMBER	KITS	WATTS
LTBUY11H70	Hayward	70W
LTBUY11H14	Hayward	140W
LRBUY11P65	Pentair®	70W
LRBUY11T65	Thermocraft®	70W



HAYWARD



PENTAIR



THERMOCRAFT



INTERMATIC

UCL CONCRETE NICHES

PART NUMBER	DESCRIPTION	APPROVED LIGHT	POOL OR SPA
LFGUY1000	Non-Bonded, Non-Grounded Low-Profile Plastic Pool Niche for Concrete Pools	Universal ColorLogic and CrystaLogic	Pool
LGGUY1000	Non-Bonded, Non-Grounded Plastic Spa Niche for Concrete Spas	Universal ColorLogic and CrystaLogic	Spa



ACCESSORIES FOR HAYWARD AUTOMATION NETWORKED LIGHTS

PART NUMBER	DESCRIPTION
LKBUN1000	Works with ColorLogic Networked Lights Only
LKCUS1100	ColorLogic Light Controller Stand-Alone



INSTALLATION
TOOL INCLUDED
SKU #SP0536CTOOL

J-BOX & WALL-MOUNT POOL LIGHTING TRANSFORMERS

PART NUMBER	TRANSFORMER	WATTS
LTBUY11H70	Hayward	70W
LTBUY11H14	Hayward	140W
LTBUY11300	Hayward	300W



LTBUY11300
WALL-MOUNT
TRANSFORMER



LTBUY11H14
ABLE TO SUPPORT
TWO LIGHTS

HAYWARD.COM/UCLCALCULATOR
Calculate your financial savings when switching from an incandescent to Hayward UCL LED Lights

HAYWARD.COM/NICHECALCULATOR
Calculate per-niche savings when using a UCL Thin Niche

Lighting Overview

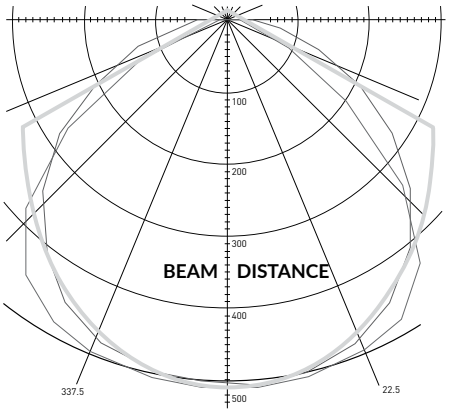
MINIMUM ILLUMINANCE

- Depending on the local health code, incandescent lights were historically required to provide 0.5 or 1 watt per square foot of pool surface area
- Today, most health departments and the Model Aquatic Health Code suggest 8-9 lumens per square foot
- This value only applies to lights using a **white** wavelength

LIGHTING PLACEMENT

- **Beam pattern:** The angular spread of light emitted from the fixture
- The beam pattern is measured between points on opposite sides of the beam axis where the intensity drops to 50% of maximum power
- X-axis: Horizontal spread
- Y-axis: Vertical spread

BEAM ANGLE



CALCULATE NUMBER OF LIGHTS NEEDED

$$\text{Number of Lights} = \frac{\text{Pool Surface Area x 8 Lumens}}{\text{Lumen Output of Light}}$$

LIGHTING TRANSFORMER DATA

PRODUCT	PART NUMBER	WATTS	MAX LIGHTS PER 70W J-BOX TRANSFORMER	MAC LIGHTS PER 140W (2/70) TRANSFORMER	MAX LIGHTS PER 300W TRASFORMER (USE 14V)	AMPS
UCL ColorLogic® Pool Light	LPCUS/LPCUN	70	1	2	3	5
UCL ColorLogic Spa Light	LSCUS/LSCUN	35	2	4	6	2.5
1.5" ColorLogic 320	LACUS	23	3	5	6	1.64
1.5" ColorLogic 180	LYCUS	13	3	5	6	0.93
0.5" ColorLogic 80	LMCUS	2.6	8	12	15	0.2
0.5" ColorLogic 40	LNCUS	1.3	15	20	25	0.1
ColorLogic 80 & 40 Driver (Up to 5 lights per driver)	LMCUSPS	13 (80s)	2 Drivers (10 Lights)	4 (2 +2 Drivers) (20 Lights)	13 Drivers (65 Lights)	1 (80s)
		6.5 (40s)				0.5 (40s)
UCL CrystaLogic® Pool Light (500W Equivalent)	LPWUS	70	1	2	3	5.4
UCL CrystaLogic Pool Light (300W Equivalent)	LPLUS	70	1	2	3	5
UCL CrystaLogic Pool Light (100W Equivalent)	LSLUS	35	1	2	6	2.5
1.5" CrystaLogic 320	LAWUS	25	2	5	6	1.78
1.5" CrystaLogic 160	LYWUS	15	3	5	6	1.07

TRY IT WITH



For added efficiency and control, **OmniHub® Smart Pool & Spa Control** is the perfect complement to **Hayward® lighting and water features.*** OmniHub installs in just a few hours and is compatible with existing equipment, providing commercial pool operators with a simple way to change lighting colors, set themes, control water features and more—right from a smartphone.

*OmniHub is only compatible with select commercial pools.

Commercial Water Features

Hayward® water features instantly enhance the ambiance of any commercial pool. They're low profile by design, blending seamlessly into any environment, and they connect quickly and easily to reduce installation headaches and costs. Available in deck jets, sheers and bubblers, they're a versatile way to enhance any commercial pool environment with the beauty and serenity of moving water.



COLORLOGIC LAMINARS

» **Peaceful, glass-like arcs of water**
» **Illuminate** with ColorLogic® or CrystaLogic® LED lights
» **Multiple lid color options** blend seamlessly with any environment
» **Flow and direction** can be adjusted without tools
» **Locking stream-angle adjustment mechanism** ensures uniformity with multiple units
» **The industry's only height-adjustment mechanism** ensures perfect deck alignment even after settling
» **Minimal dedicated valves and lines** save time and money
» **Performs best** at 6-7 GPM



DECK JET 500

» **Peaceful, arching deck-to-pool stream**
» **Flow and direction** can be adjusted without tools
» **The industry's only height adjustment mechanism** ensures perfect deck alignment even after settling
» **Attractive bronze-coated cover**
» **Integrated flow adjustment** eliminates the need for dedicated valves
» **Designed for a maximum flow rate of 5 GPM at 10.7 ft of head**



SHEER 500

» **Customizable waterfall effect** adds tranquil visual appeal
» **Can be installed in straight or curved applications**
» **Rear or bottom connections** for quick and easy installation
» **1.5" x 2" connections** are compatible with larger plumbing for maximum water flow
» **1 GPM** per inch of sheer width



BUBBLERS

» **Cascading column of water** creates the ultimate in high-end ambiance
» **Adjustable nozzles** create a variety of water heights and widths
» **Interchangeable color options**
» **Unobtrusive, flush design** integrates seamlessly with the pool surface
» **Can be installed 2" to 12" below the water's surface**
» **Two-part design** incorporates a plaster ring for adjusting the height and angle to match the pool surface
» **10 GPM - 40 GPM**

SPECIFICATIONS

SHEER 500

PART NUMBER		DESCRIPTION	
REAR MOUNT	BOTTOM MOUNT	PRODUCT DESCRIPTION	
WFS512R6	WFS512B6	Sheer 1 ft.	6" LIP
WFS512R1	WFS512B1		1" LIP
WFS524R6	WFS524B6	Sheer 2 ft.	6" LIP
WFS524R1	WFS524B1		1" LIP
WFS536R6	WFS536B6	Sheer 3 ft.	6" LIP
WFS536R1	WFS536B1		1" LIP
WFS548R6	WFS548B6	Sheer 4 ft.	6" LIP
WFS548R1	WFS548B1		1" LIP
WFS560R6	N/A	Sheer 5 ft.	6" LIP
WFS560R1	N/A		1" LIP

HYDROTHERAPY FITTINGS

PART NUMBER	DESCRIPTION
SP14341PAKA	1" Air x 1" Water
SP14343PAKA	1" Air x 1.5" Water Body, Bulkhead Ftg. & Gasket — White
SP1434PAKA	1.5" Air x 1.5" Water Body, Bulkhead Ftg. & Gasket — White
SP1434PAKAGR	1.5" Air x 1.5" Water Body, Bulkhead Ftg. & Gasket — Gray
SP1436PAKB	Pulse-Flo Nozzle Assembly — Rotating
SP1437PAKB	Whirl-Flo Nozzle Assembly — Whirlpool
SP1434PAKB	VariFlo Nozzle Assembly — Adjustable — White
SP1434PAKB-DGR	VariFlo Nozzle Assembly — Dark Gray
SP1434PAKBGR	VariFlo Nozzle Assembly — Adjustable — Gray
SP1430	1.5" FIP X 1.5" MIP JetAir Ftg.
SP1430S	1.5" SKT x 1.5" MIP JetAir Ftg.
SP14311	1.5" MIP x 1.5" FIP JetAir Ftg.
SP1433	1.5" FIP JetAir Fitting Package
SP1433S	1.5" FIP JetAir Fitting Package with SP1430S
SP1450T	1.5" Socket Turbo-Boost Spa Jet Fitting

DECK JET 500

PART NUMBER	DESCRIPTION
WFJ500PAK4	Deck Jet 500 (4 pack)

BUBBLER

PART NUMBER	DESCRIPTION
WFB100	Bubbler

COLORLOGIC LAMINAR

PART NUMBER	DESCRIPTION
WFL100	ColorLogic Laminar

BUBBLER ACCESSORIES

PART NUMBER	DESCRIPTION	MATCHES WITH	DESCRIPTION
GLXBKTGR	Gray Bubbler Kit	GLX-BLN-GR	Gray Nozzle Kit
GLXBKTDG	Dark Gray Bubbler Kit	GLX-BLN-GR	Dark Gray Nozzle Kit
GLXBKTWT	White Bubbler Kit	GLX-BLN-WT	White Nozzle Kit

SPA BLOWER

PART NUMBER	DESCRIPTION
SPB101	Spa Blower, 1HP, 115V
SPB102	Spa Blower, 1HP, 230V
SPB151	Spa Blower, 1.5HP, 115V
SPB152	Spa Blower, 1.5HP, 230V
SPB201	Spa Blower, 2HP, 115V
SPB202	Spa Blower, 2HP, 230V





Commercial Heaters

Building on our proven line of industry-leading heaters, Hayward® offers unmatched performance and superior engineering with the Universal H-Series ASME commercial gas heaters. All Hayward Commercial heaters employ a forced draft design and provide exceptional corrosion resistance and hydraulic performance. The new 500,000 BTU models boast the fastest speed-to-heat capability in their class and are designed for ultimate performance, durability and energy efficiency.



UNIVERSAL H-SERIES ASME GAS HEATERS

Hayward Commercial Aquatics' Universal H-Series ASME gas heaters are designed and certified for commercial use. The flagship of our H-Series line encompasses high-end features and construction materials as standard. They combine industry-leading hydraulics, exceptional performance, energy efficiency and reliability with planet-friendly low NOx emissions. Flexible connection options make them ideal for new or existing applications.

- **Choose from 6 models** (250,000, 400,000 and 500,000 BTU natural gas or propane)
- **500,000 BTU provides unprecedented speed-to-heat,** with just 2 models delivering 1 million BTU's while using minimal pump room space
- **Patented Cupro Nickel Finn Plate™ heat exchanger** with bronze header included as standard on all models
- **Independent left- or right-side electric,** water and gas connections
- **2" x 2½" CPVC** flanged plumbing connections
- **ASME pressure relief valve** included as standard
- **Electronic lock-out feature** prevents unauthorized access to configuration settings
- **Easy installation and service** via single front panel access
- **Easy gas valve** adjustment
- **Easy dual-voltage conversion** with fuse-protected circuit boards
- **83%-84% thermal efficiency**
- **3-year limited warranty** on parts and labor

TECHNICAL SPECIFICATIONS

PART NUMBER	BTU	DESCRIPTION	PIPE SIZE	MAX. ALLOWED WORKING PRESSURE	DIMENSIONS (L X W X H)	CARTON QUANTITY	CARTON WEIGHT (LBS.)
H250FDNASME	250,000	Natural Gas	2" x 2½"	125 psi	28" x 29½" x 24"	1	195.0
H400FDNASME	400,000	Natural Gas	2" x 2½"	125 psi	36½" x 29½" x 24"	1	225.0
H500FDNASME*	500,000	Natural Gas	2" x 2½"	125 psi	40½" x 29½" x 24"	1	240.0
H250FDPASME	250,000	Propane	2" x 2½"	125 psi	28" x 29½" x 24"	1	195.0
H400FDPASME	400,000	Propane	2" x 2½"	125 psi	36½" x 29½" x 24"	1	225.0
H500FDPASME*	500,000	Propane	2" x 2½"	125 psi	40½" x 29½" x 24"	1	240.0

*Includes flow and pressure sensor.

Electronic temperature lock-out prevents unauthorized access to temperature settings

24"-high cabinet is the lowest in the industry and can be raised off the floor if necessary

Fuse-protected circuit boards make dual-voltage conversion safe and easy

Forced-draft combustion produces low NOx emissions for and is certified for high-altitude applications up to 10,000 feet standard

ASME pressure relief valve comes standard to ensure system safety

Noncorrosive feet won't rust on wet pool pads



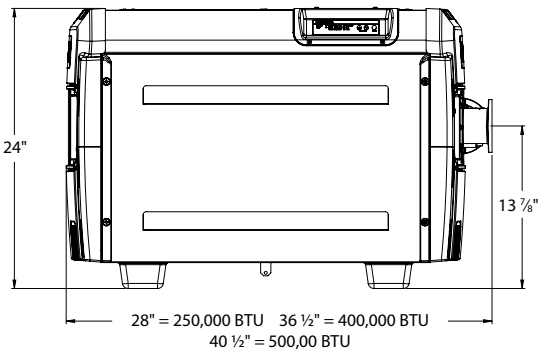
Patented cupro nickel heat exchanger with totally managed flow provides industry-best performance with powerful corrosion protection

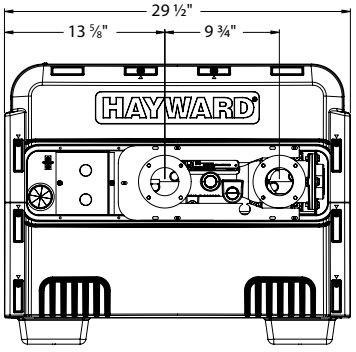
Low-lead bronze header with patented bypass design uses up to 18% less energy

Universal plumbing, gas and electrical connections offer quick and easy retrofitting and are certified for installation on combustible surfaces

4," 6" and 8" venting kit allows for indoor natural gas installation

UNIVERSAL H-SERIES ASME HEATER DIMENSIONS





COMMERCIAL HEATER ACCESSORIES

Hayward® offers a complete range of venting kit options for all ASME heaters. Also offered is a flow switch and a temperature/pressure gauge that is required for installation into specific commercial pool markets, such as Texas. This kit will ensure the H-Series ASME heater is compliant with boiler and health code regulations. (Included with 500,000 BTU)

VENTING KIT OPTIONS AND ACCESSORIES

PART NUMBER	DESCRIPTION
UHXNEGVT12506	6" Negative Pressure Indoor Vent Kit
UHXNEGVT14008	8" Negative Pressure Indoor Vent Kit
UHXNEGVT15008	8" Negative Pressure Indoor Vent Kit
UHXDVA004	4" Duravent Positive Pressure Appliance Adapter
UHXDVA006	6" Duravent Positive Pressure Appliance Adapter
UHXHFA004	4" HeatFab Positive Pressure Appliance Adapter
UHXHFA006	6" HeatFab Positive Pressure Appliance Adapter
UHXPOSHZ12504	4" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)
UHXPOSHZ12506	6" Positive Pressure Indoor Vent Kit (Includes 6" HeatFab Appliance Adaptor)
UHXPOSHZ14006	6" Positive Pressure Indoor Vent Kit (No Appliance Adapter Included)
UHXPOSHZ14008	8" Positive Pressure Indoor Vent Kit (Includes 8" HeatFab Appliance Adaptor)
UHXPOSHZ15006	6" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)
UHXTFP1930	Temp/Pressure and Flow Switch Kit
UHXFSW1930	Flow Switch Only



Note: The Vent Kits are the Adapters ONLY – to be used with either Heatfab,® DuraVent® or Z-Flex® vent piping.

HEATPRO® HEAT PUMP

High performance, energy-efficient HeatPro heat pumps quietly and economically maintain the ideal water temperature at all times. HeatPro features the industry's only standard Ultra Gold corrosion resistant evaporator fin which provides extreme durability, especially in coastal environments. Its compact design allows for easy installation and service on new or existing pools.

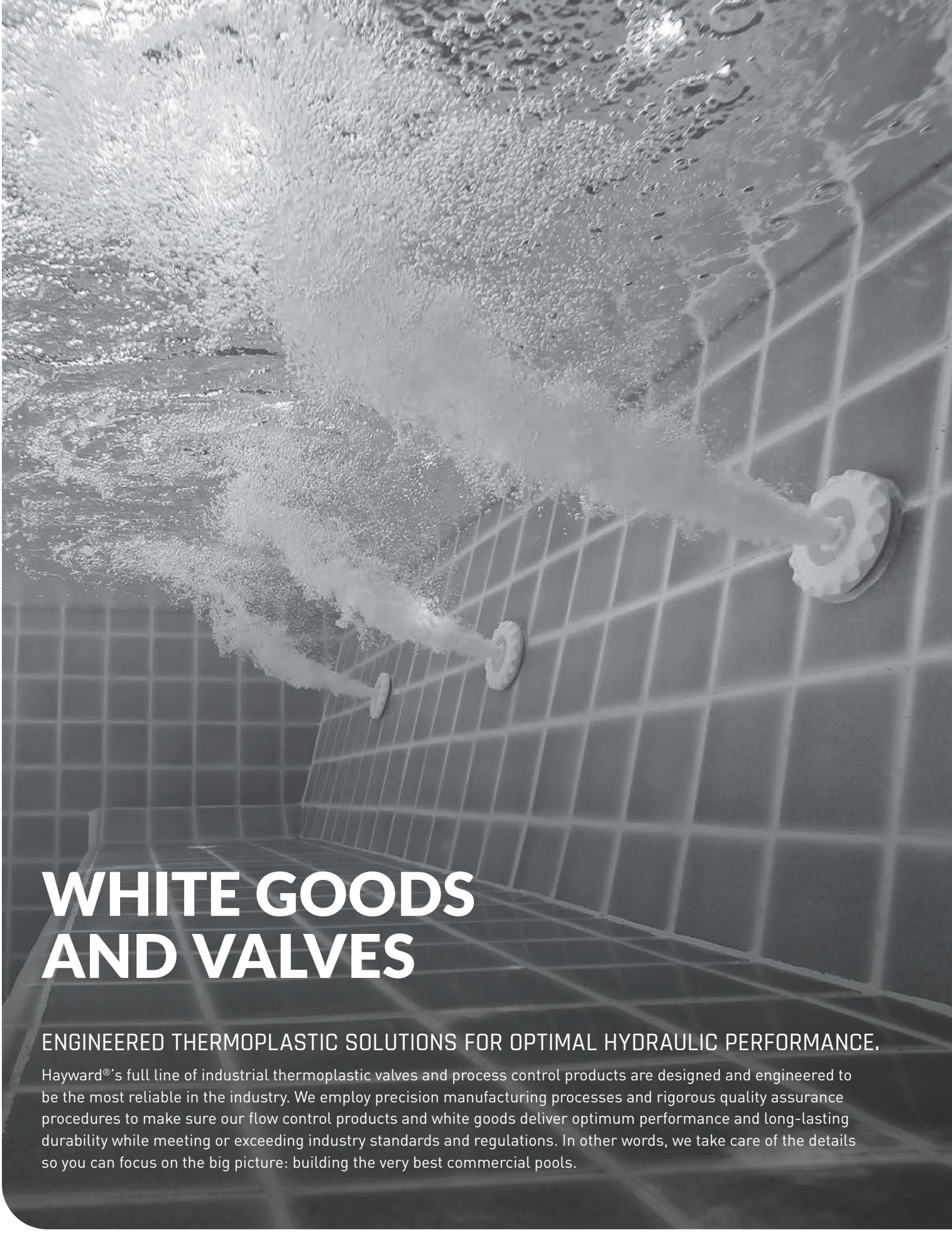


- **27.2-97k BTU** heating performance
- **Inverter-driven motor** with variable-speed technology
- **Vertical discharge fan** allows for versatile installation
- **Titanium heat exchanger** operates powerfully and efficiently even in freezing outdoor temperatures
- **Intuitive control panel** provides a seamless user experience via touchscreen digital display
- **Best-in-class part-load COP** and incredibly quiet operation
- **AHRI certified** and independently lab-tested to ensure the highest quality performance and value
- **Efficient flow volume** (37 GPM min / 56 GPM max)
- **3-year limited warranty** on parts and labor

SPECIFICATIONS

PRODUCT SKU	HP21404T3M
BTU HEATING PERFORMANCE	
80ºF Ambient Air, 80ºF Water, 80% Relative Humidity*	140,000
80ºF Ambient Air, 80ºF Water, 63% Relative Humidity*	130,000
50ºF Ambient Air, 80ºF Water, 80% Relative Humidity*	85,000
HEAT Operating Temperature	50ºF
COEFFICIENT OF PERFORMANCE (COP)	
80ºF Ambient Air, 80ºF Water, 80% Relative Humidity*	5.7
80ºF Ambient Air, 80ºF Water, 63% Relative Humidity*	5.5
50ºF Ambient Air, 80ºF Water, 80% Relative Humidity*	4.0
Electronic Temperature Control	Yes
Thermostat — Dual (Pool & Spa)	Dual
kW Input	7.2
Voltage	240/60/3
Minimum Circuit Amps	42
Min. Overload Protection Amps	50
Max. Overload Protection Amps	60
Water Flow Rate (GPM) Recommended Minimum/ Maximum	30/75
Plumbing Connection	2" x 2½" Unions
Refrigerant	R410A
Dimensions	30¼" W x 34" D x 44" H
Net Weight	280 lbs.
Shipping Weight	320 lbs.





WHITE GOODS AND VALVES

ENGINEERED THERMOPLASTIC SOLUTIONS FOR OPTIMAL HYDRAULIC PERFORMANCE.

Hayward®'s full line of industrial thermoplastic valves and process control products are designed and engineered to be the most reliable in the industry. We employ precision manufacturing processes and rigorous quality assurance procedures to make sure our flow control products and white goods deliver optimum performance and long-lasting durability while meeting or exceeding industry standards and regulations. In other words, we take care of the details so you can focus on the big picture: building the very best commercial pools.

Commercial Flow Control

Hayward Flow Control has manufactured industrial thermoplastic valves and process control products since the inception of the thermoplastic valve industry over 50 years ago. We have earned an unsurpassed reputation for product design, manufacturing precision, quality assurance, experience and know-how and a total commitment to customer satisfaction and support.

COMPACT BALL VALVES – QVC SERIES (GRAY AND WHITE)

» Pressure rating 150 psi
» EPDM seals
» Santoprene® seats



PART NUMBER	SIZE/DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
QVC1005SSEG	.5" Socket Gray	10	2.0
QVC1010SSEG	1" Socket Gray	10	5.0
QVC1015SSEG	1.5" Socket Gray	5	5.5
QVC1020SSEG	2" Socket Gray	5	7.5
QVC1025SSEG	2.5" Socket Gray	1	2.8
QVC1030SSEG	3" Socket Gray	1	5.2
QVC1040SSEG	4" Socket Gray	1	7.3
QVC1005SSEW	.5" Socket White	10	2.0
QVC1010SSEW	1" Socket White	10	5.0
QVC1015SSEW	1.5" Socket White	5	5.5
QVC1020SSEW	2" Socket White	5	7.5
QVC1025SSEW	2.5" Socket White	1	2.8
QVC1030SSEW	3" Socket White	1	5.2
QVC1040SSEW	4" Socket White	1	7.3
QVC1005TSEG	.5" Threaded Gray	10	2.0
QVC1010TSEG	1" Threaded Gray	10	5.0
QVC1015TSEG	1.5" Threaded Gray	5	5.5
QVC1020TSEG	2" Threaded Gray	5	7.5
QVC1025TSEG	2.5" Threaded Gray	1	2.8
QVC1030TSEG	3" Threaded Gray	1	5.2
QVC1040TSEG	4" Threaded Gray	1	7.3
QVC1005TSEW	.5" Threaded White	10	2.0
QVC1010TSEW	1" Threaded White	10	5.0
QVC1015TSEW	1.5" Threaded White	5	5.5
QVC1020TSEW	2" Threaded White	5	7.5
QVC1025TSEW	2.5" Threaded White	1	2.8
QVC1030TSEW	3" Threaded White	1	5.2
QVC1040TSEW	4" Threaded White	1	7.3

TRUE UNION COMPACT BALL VALVES – QTA SERIES (GRAY AND WHITE)

» Pressure rating 150 psi
» EPDM seals
» Santoprene seats



PART NUMBER	SIZE/DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
QTA1010CSEG	1" Socket & Threaded Gray	1	0.9
QTA1015CSEG	1.5" Socket & Threaded Gray	1	2.0
QTA1020CSEG	2" Socket & Threaded Gray	1	3.2
QTA1010CSEW	1" Socket & Threaded White	1	0.9
QTA1015CSEW	1.5" Socket & Threaded White	1	2.1
QTA1020CSEW	2" Socket & Threaded White	1	3.5

TRUE UNION PVC BALL VALVES – TBB SERIES

» Pressure rating 225 psi
» EPDM seals
» PTFE seats
» Double O-Ring stem seals



PART NUMBER	SIZE/DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
TBB1005CPEG	.5" Socket & Threaded	1	0.5
TBB1007CPEG	.75" Socket & Threaded	1	0.8
TBB1010CPEG	1" Socket & Threaded	1	1.2
TBB1012CPEG	1.25" Socket & Threaded	1	1.9
TBB1015CPEG	1.5" Socket & Threaded	1	2.8
TBB1020CPEG	2" Socket & Threaded	1	4.9

TRUE UNION PVC BALL VALVES – TB SERIES



» Pressure rating
  250 psi: ½"–2"
  235 psi: 2 ½"–4"
  150 psi: 6"
» EPDM or FPM seals
» Reversible PTFE seats
» Double O-Ring stem seals
» Easily automated
» Full port design through 4"
» NSF/ANSI Standard 61 Certified (½"–4")

PART NUMBER	SIZE/DESCRIPTION	CARTON QTY	CARTON WEIGHT (LBS.)
TB1050STE	.5" Socket & Threaded	1	0.8
TB1050ST	.5" Socket & Threaded	1	0.8
TB1075STE	.75" Socket & Threaded	1	1.1
TB1075ST	.75" Socket & Threaded	1	1.1
TB1100STE	1" Socket & Threaded	1	1.5
TB1100ST	1" Socket & Threaded	1	1.5
TB1125STE	1.25" Socket & Threaded	1	2.9
TB1125ST	1.25" Socket & Threaded	1	2.9
TB1150STE	1.5" Socket & Threaded	1	3.0
TB1150ST	1.5" Socket & Threaded	1	3.0
TB1200STE	2" Socket & Threaded	1	4.3
TB1200ST	2" Socket & Threaded	1	4.3
TB1250TE or TB1250SE	2.5" Threaded or Socket	1	11.0
TB1250T or TB1250S	2.5" Threaded or Socket	1	11.0
TB1300TE or TB1300SE	3" Threaded or Socket	1	11.2
TB1300T or TB1300S	3" Threaded or Socket	1	11.2
TB1400TE or TB1400SE	4" Threaded or Socket	1	19.1
TB1400T or TB1400S	4" Threaded or Socket	1	19.1
TB1600FE (Flanged only)	6" Flanged	1	33.7
TB1600F (Flanged only)	6" Flanged	1	33.7

ACTUATED BALL VALVES - EAU SERIES



» Pressure rating 250 psi
» True Union design
» EPDM or FPM seals
» PTFE seats
» Double O-Ring stem seals
» Assembled with actuator and linkage

Electric actuator details

» 90-degree operation
» UL/CSA Listed motor
» Standard 120 Volt
» Light weight and compact design

PART NUMBER	SIZE/DESCRIPTION	CARTON QTY	CARTON WEIGHT (LBS.)
EAUTB105STE	.5" EPDM Socket & Threaded	1	5.4
EAUTB107STE	.75" EPDM Socket & Threaded	1	5.7
EAUTB110STE	1" EPDM Socket & Threaded	1	6.7
EAUTB115STE	1.5" EPDM Socket & Threaded	1	7.9
EAUTB120STE	2" EPDM Socket & Threaded	1	8.2
EAUTB105STV	.5" FPM Socket & Threaded	1	6.2
EAUTB107STV	.75" FPM Socket & Threaded	1	5.7
EAUTB110STV	1" FPM Socket & Threaded	1	6.8
EAUTB115STV	1.5" FPM Socket & Threaded	1	7.3
EAUTB120STV	2" FPM Socket & Threaded	1	9.5

TRUE UNION THREE-WAY BALL VALVES – TW SERIES



» Pressure rating 150 psi
» Position indicator
» EPDM seals
» PTFE seats
» Double O-Ring Stem seals
» Actuator ready available (HCTN Series)

(Lateral three-way valves also available)

PART NUMBER	SIZE/DESCRIPTION	CARTON QTY	CARTON WEIGHT (LBS.)
TW1050STE	.5" Socket & Threaded	1	1.2
TW1075STE	.75" Socket & Threaded	1	1.8
TW1100STE	1" Socket & Threaded	1	2.5
TW1125STE	1.25" Socket & Threaded	1	7.4
TW1150STE	1.5" Socket & Threaded	1	6.8
TW1200STE	2" Socket & Threaded	1	7.1
TW1250SE	2.5" Socket	1	17.1
TW1250TE	2.5" Threaded	1	17.3
TW1300SE	3" Socket	1	17.1
TW1300TE	3" Threaded	1	17.3
TW1400SE	4" Socket	1	27.7
TW1400TE	4" Threaded	1	27.9
TW1600FE	6" Flanged	1	51.0

TRUE UNION PVC BALL CHECK VALVES – TC SERIES



» Pressure rating
150 psi: 2½"–6"
235 psi: ½"–2"
» EPDM seals
» For horizontal or vertical installation
» NSF/ANSI Standard 61 Certified (1/2"–4")

PART NUMBER	SIZE/DESCRIPTION	CARTON QTY	CARTON WEIGHT (LBS.)
TC10050STE	.5" Socket & Threaded	1	0.7
TC10075STE	.75" Socket & Threaded	1	0.9
TC10100STE	1" Socket & Threaded	1	1.3
TC10125STE	1.25" Socket & Threaded	1	2.5
TC10150STE	1.5" Socket & Threaded	1	2.7
TC10200STE	2" Socket & Threaded	1	4.1
TC1250TE or TC1250SE	2.5" Threaded or Socket	1	9.8
TC1300TE or TC1300SE	3" Threaded or Socket	1	10.1
TC1400TE or TC1400SE	4" Threaded or Socket	1	17.5
TC1600FE (Flanged only)	6" Flanged	1	33.0



BUTTERFLY VALVES (LEVER OPERATED) – PUREBLU® BYCN SERIES

» Pressure rating 150 psi
» PVC body and disc
» EPDM liner
» 316 SS stem
» 9-position throttle plate
» NSF/ANSI Standard 61 Certified



PART NUMBER	SIZE / DESCRIPTION	CARTON QTY	CARTON WEIGHT (LBS.)
BYCN1020E1LGB	2" Lever	1	5.0
BYCN1025E1LGB	2.5" Lever	1	5.0
BYCN1030E1LGB	3" Lever	1	6.1
BYCN1040E1LGB	4" Lever	1	8.3
BYCN1050E1LGB	5" Lever	1	12.0
BYCN1060E1LGB	6" Lever	1	15.0
BYCN1080E1LGB	8" Lever	1	20.0

BUTTERFLY VALVES (LEVER OPERATED) – BYV SERIES

» Pressure rating 150 psi
» PVC body and disc
» EPDM liner
» 1 Piece 316 SS stem
» 19-position throttle plate
» Hydro dynamic disc
» External disc position and flow indication
» NSF/ANSI Standard 61 Certified



PART NUMBER	SIZE / DESCRIPTION	CARTON QTY	CARTON WEIGHT (LBS.)
BYV11020A0EL000	2" Lever	1	6.0
BYV11025A0EL000	2.5" Lever	1	6.5
BYV11030A0EL000	3" Lever	1	7.0
BYV11040A0EL000	4" Lever	1	10.0
BYV11060A0EL000	6" Lever	1	16.0
BYV11080A0EL000	8" Lever	1	22.0

BUTTERFLY VALVE (GEAR OPERATED) – PUREBLU BYCN SERIES

» Pressure rating 150 psi
» PVC body and disc
» EPDM liner
» 316 SS stem
» Robust aluminum gear operator with stainless steel shaft, IP65 rating
» NSF/ANSI Standard 61 Certified



PART NUMBER	SIZE / DESCRIPTION	CARTON QTY	CARTON WEIGHT (LBS.)
BYCN1020E1GGB	2" Gear	1	11.0
BYCN1025E1GGB	2.5" Gear	1	11.0
BYCN1030E1GGB	3" Gear	1	16.6
BYCN1040E1GGB	4" Gear	1	19.0
BYCN1050E1GGB	5" Gear	1	21.0
BYCN1060E1GGB	6" Gear	1	23.2
BYCN1080E1GGB	8" Gear	1	30.0

BUTTERFLY VALVES (GEAR OPERATED) – BYV SERIES

» Pressure rating 150 psi
» PVC body and disc
» EPDM liner
» 1 Piece 316 SS stem
» 19-position throttle plate
» Hydro dynamic disc
» External disc position and flow indication
» NSF/ANSI Standard 61 Certified



PART NUMBER	SIZE / DESCRIPTION	CARTON QTY	CARTON WEIGHT (LBS.)
BYV11020A0EG000	2" Lever	1	12.0
BYV11025A0EG000	2.5" Gear	1	12.5
BYV11030A0EG000	3" Gear	1	17.0
BYV11040A0EG000	4" Gear	1	19.0
BYV11060A0EG000	6" Gear	1	25.0
BYV11080A0EG000	8" Gear	1	32.0
BYV11100A0EG000	10" Gear	1	39.0
BYV11120A0EG000	12" Gear	1	45.0

FULL PATTERN PVC WAFER CHECK VALVES – WCV SERIES

» Pressure rating 150 psi
» One-piece disk and shaft design
» FPM or EPDM gasket and face seal
» Full pattern body – no need for spacers or specialty flanges
» Contoured inlet port for easy flow
» Can be installed in vertical or horizontal position



PART NUMBER	SIZE/DESCRIPTION	CARTON QTY	CARTON WEIGHT (LBS.)
WCV1200E	2" EPDM Wafer Check	1	1.3
WCV1250E	2.5" EPDM Wafer Check	1	1.9
WCV1300E	3" EPDM Wafer Check	1	2.2
WCV1400E	4" EPDM Wafer Check	1	4.4
WCV1600E	6" EPDM Wafer Check	1	6.0
WCV1800E	8" EPDM Wafer Check	1	14.0
WCV1200V	2" FPM Wafer Check	1	1.3
WCV1250V	2.5" FPM Wafer Check	1	1.9
WCV1300V	3" FPM Wafer Check	1	2.2
WCV1400V	4" FPM Wafer Check	1	4.6
WCV1600V	6" FPM Wafer Check	1	6.8
WCV1800V	8" FPM Wafer Check	1	14.7

FULL PATTERN PVC WAFER CHECK VALVES – WCV SERIES

» Pressure rating 150 psi
» One-piece disk and shaft design
» FPM or EPDM gasket and face seal
» Full pattern body – no need for spacers or specialty flanges
» Contoured inlet port for easy flow
» Can be installed in vertical or horizontal position
» 316 SS disc spring



PART NUMBER	SIZE/DESCRIPTION	CARTON QTY	CARTON WEIGHT (LBS.)
WCV1200ES	2" EPDM Wafer Check w/Spring	1	1.2
WCV1250ES	2.5" EPDM Wafer Check w/Spring	1	1.9
WCV1300ES	3" EPDM Wafer Check w/Spring	1	2.2
WCV1400ES	4" EPDM Wafer Check w/Spring	1	4.4
WCV1600ES	6" EPDM Wafer Check w/Spring	1	6.2
WCV1800ES	8" EPDM Wafer Check w/Spring	1	14.4
WCV1200VS	2" FPM Wafer Check w/Spring	1	1.3
WCV1250VS	2.5" FPM Wafer Check w/Spring	1	1.9
WCV1300VS	3" FPM Wafer Check w/Spring	1	2.2
WCV1400VS	4" FPM Wafer Check w/Spring	1	4.5
WCV1600VS	6" FPM Wafer Check w/Spring	1	6.1
WCV1800VS	8" FPM Wafer Check w/Spring	1	14.5



PVC SIMPLEX BASKET STRAINER – SB SERIES

» Pressure rating 150 psi
» PVC body and basket
» EPDM or FPM seals
» Multiple basket material options
» Ergonomic hand-removable cover
» True Union connections
» Each strainer includes a standard basket
» ½"–1" Standard 1/32" Perforation
» 1½"–8" Standard ⅛" Perforation
» NSF/ANSI Standard 61 Certified



PART NUMBER	SIZE/DESCRIPTION	CARTON QTY	CARTON WEIGHT (LBS.)
SB1100STE132	1" Socket & Threaded EPDM	1	7.0
SB1100ST132	1" Socket & Threaded FPM	1	7.0
SB1150STE18	1.5" Socket & Threaded EPDM	1	17.0
SB1150ST18	1.5" Socket & Threaded FPM	1	17.0
SB1200STE18	2" Socket & Threaded EPDM	1	17.0
SB1200ST18	2" Socket & Threaded FPM	1	17.0
SB1250SE18	2.5" Socket EPDM	1	31.0
SB1250S18	2.5" Socket FPM	1	31.0
SB1250TE18	2.5" Threaded EPDM	1	31.0
SB1250T18	2.5" Threaded FPM	1	31.0
SB1300SE18	3" Socket EPDM	1	24.0
SB1300S18	3" Socket FPM	1	24.0
SB1300TE18	3" Threaded EPDM	1	24.0
SB1300T18	3" Threaded FPM	1	24.0
SB1400SE18	4" Socket EPDM	1	24.0
SB1400S18	4" Socket FPM	1	24.0
SB1400TE18	4" Threaded EPDM	1	24.0
SB1400T18	4" Threaded FPM	1	24.0
SB1600FTE18	6" Flanged Only EPDM	1	122.0
SB1600FT18	6" Flanged Only FPM	1	122.0
SB1800FTE18	8" Flanged Only EPDM	1	143.0
SB1800FT18	8" Flanged Only FPM	1	143.0

TRUE UNION SOLENOID VALVES – SV SERIES

» Available in PVC and CPVC
» Available with FPM or EPDM seals
» Continuous or 100% duty applications
» Corrosion-resistant polyester coil
» No pressure differential required for operation
» Four-position electrical connection
» ½" conduit or SJ type cord electrical connection
» 110 VAC is standard
» Normally closed design



PART NUMBER	SIZE/DESCRIPTION	CARTON QTY	CARTON WEIGHT (LBS.)
SV20025STV	.25" CPVC Socket & Threaded FPM	1	3.0
SV20025STE	.25" CPVC Socket & Threaded EPDM	1	3.0
SV10050STV	.5" PVC Socket & Threaded FPM	1	3.3
SV10050STE	.5" PVC Socket & Threaded EPDM	1	3.3
SC20050STV	.5" CPVC Socket & Threaded FPM	1	3.3
SV20050STE	.5" CPVC Socket & Threaded EPDM	1	3.3
SV10075STV	.75" PVC Socket & Threaded FPM	1	3.5
SV10075STE	.75" PVC Socket & Threaded EPDM	1	3.5
SV20075STV	.75" CPVC Socket & Threaded FPM	1	3.7
SV20075STE	.75" CPVC Socket & Threaded EPDM	1	3.7
SV10100STV	1" PVC Socket & Threaded FPM	1	3.6
SV10100STE	1" PVC Socket & Threaded EPDM	1	3.6
SV20100STV	1" CPVC Socket & Threaded FPM	1	3.6
SV20100STE	1" CPVC Socket & Threaded EPDM	1	3.8

» Flanged connections are available. Please call for part number and pricing information.
» All Hayward® Flow Control products have a 2-year warranty as standard.
» All Hayward Flow Control items are based on a per-unit cost with the exception of all QVC Series ball valves, which are sold as bag quantities only. If bag quantities are broken, there will be a 25% upcharge.
» All Flow Control products manufactured are in compliance with ISO 9001:2008 standards.

Backed by Hayward Flow Control's exclusive two-year warranty

Commercial White Goods

For residential and commercial concrete pools, Hayward square drain covers are available in a wide range of sizes and flow designs to satisfy any installation requirement. Whether the application demands frames and covers for new construction or replacement cover assemblies for existing installations, Hayward suction outlets set the standard for quality and value. Hayward's High Flow covers have some of the industry's highest approved flow rates. Each size and flow design cover retrofit to existing Hayward frames and are designed for an extensive 7 year life span.



VGB ACT-COMPLIANT HIGH-FLOW DRAIN COVERS AND FRAMES

All Hayward WG Series suction outlet fitting assemblies and replacement covers have been tested to ANSI/APSP/ICC-16 2017, are VGB compliant and meet CPSP requirements.

Installation of anything other than the recommended Hayward drain cover on a Hayward frame or Hayward sump may not be ANSI/APSP/ICC-16 2017 compliant. Likewise, the installation of a Hayward drain cover on a non-Hayward frame may not be compliant.

Applications

» Meets various flow category requirements
» Installations in concrete, residential and commercial pools
» All Hayward drain covers can be used as a single replacement cover when installed on the same suctio line as a TriStar VS SVRS

Features

» Certified to ANSI/APSP/ICC-16 2017
» Retrofits to all Hayward existing frames
» 7 year life
» 1 year limited warranty

MODEL NUMBER	PIPE SIZE	MOUNTING POSITION	SUMP PORT LOCATION	APPROVED FLOW GPM
WGX1031BHF2 & WG1031HF2PACK2 (9" x 9")	2.5"	Floor	Side	172
	2.5"	Wall	Side	184
	2.5"	Wall	Bottom	224
	3"	Floor	Side	264
	3"	Wall	Side	224
	3"	Wall	Bottom	224
WGX1032BHF2 & WG1032HF2PAK2 (12" x 12")	3"	Floor	Side	416
	3"	Wall	Bottom	308
	4"	Floor	Side	484
	4"	Wall	Bottom	308
WGX1033BHF2 & WG1033HF2PAK2 (18" x 18")	3"	Floor	Side	484
	3"	Wall	Bottom	484
	4"	Floor	Side	656
	4"	Wall	Bottom	688
	6"	Floor	Side	815
	6"	Wall	Bottom	732
WG1061HF2PAK2 (9" x 9")	2.5" & 3"	Floor	Side	264
	2.5" & 3"	Wall	Bottom	224

MODEL NUMBER	SIZE	COVER OPEN AREA SQ. IN.	1.5 FT/SEC. FLOW RATE GPM	CARTON QTY.	CARTON WEIGHT
REPLACEMENT COVER & INNER FRAME					
WGX1031BHF2	9" x 9"	23.96	112	10	12 lbs.
WGX1032BHF2	12" x 12"	41.07	192	10	18 lbs.
WGX1033BHF2	18" x 18"	124.1	580	10	39 lbs.
COVER, INNER FRAME & OUTER FRAME (2 per pack)					
WGX1031HF2PAK2	9" x 9"	23.96	112	4	18 lbs.
WGX1032HF22PAK2	12" x 12"	41.07	192	4	30 lbs.
WGX1033HF2PAK2	18" x 18"	124.1	580	2	31 lbs.
3" SUCTION OUTLET SUMP WITH COVER (2 per pack)					
WGX1036HF2PAK2	9" x 9"	23.96	112	1	6 lbs.

Review expiration dates of current VGB-compliant installed drain covers

AUTOSKIM™ SERIES SKIMMERS



Our AutoSkim Series skimmers are designed for demanding commercial and residential applications providing precision, large capacity and automatic surface skimming. They are molded from noncorrosive, nonconductive ABS material.

» **Optional** float/bypass valve
» **Stackable notched extension collar** allows infinite vertical adjustment
» **NSF Certified** (approved when used with commercial cover and equalizer)

	PART NUMBER	SIZE/DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	GPM
AutoSkim Wide Track Series	SP10852*	AutoSkim Square Skimmer 1½" Fit in Place 9¼" Throat	1	16.0	36
	WG1082SFVE	NSF 50 Listed AutoSkim Square Skimmer 2" Socket****	1	8.0	55
	WG1084SFVE	NSF 50 Listed AutoSkim Square Skimmer 2" Socket****	1	8.0	55
	WG1082E* **	NSF 50 Listed Replacement Cover for SP1080 Series Skimmers	10	15.0	-
	SP1080FVEKIT	Float Valve and Equalizer Kit for SP1080 Series Skimmers	10	12.0	-
AutoSkim Series	SP1082*	AutoSkim Square Skimmer 2" Fit in Place 5¼" Throat	1	10.0	63
	SP1084*	AutoSkim Square Skimmer 2" Fit in Place 8½" Throat	1	13.0	63

NOTE: Hayward® recommends additionally adding the float valve and equalizer kit for commercial applications.
*Available in Dark Gray. Add suffix DGR to model number.
**Available in Dark Gray. To order Dark Gray, add suffix DGR to part number. The "R" designation indicates round collar and cover assembly.
OM designation indicates thru-wall, outside mount for metal wall installations.
***This part number must be ordered with any of the part numbers above to ensure it is NSF Certified.
****With Float and Equalizer Valves.

SKIMMASTER® SERIES SKIMMERS



Our SkimMaster Series is a non-corrosive, large capacity automatic surface skimmer featuring a round, tamper-proof access cover, self-adjusting 8-inch weir with stainless steel spring for added strength, dual outlets and threaded internal connections for pressure testing. The optional float/bypass valve provides a suction outlet through skimmer system and an automatic pump bypass for low water conditions. No glue is used in manufacturing, ensuring maximum strength and longevity.

» **Adjustable deck collar** and access cover
» **Large debris basket** and multiple plumbing connections for easier connections
» **Automatic bypass** for low water conditions

PART NUMBER	SIZE/DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	MAX GPM
HCWG1072C	NSF 50 Listed SKIMMASTER Round Skimmer 2"x2.5" Socket 4.5" Throat***	1	8.0	55
WG1070C	NSF 50 Listed Replacement Cover for SP1070 Series Skimmers	1	15.0	-
SP1072S2**	SkimMaster Round Skimmer 2" Socket with Overflow Port 4½" Throat	1	8.0	63
SP1071T2SQ	SkimMaster Square Skimmer 1½" Fit in Place 4½" Throat	1	8.0	36
SP1072S2SQ	SkimMaster Square Skimmer 2" Socket 4½" Throat	1	8.0	63
SP1072S2FVA	SkimMaster Round Skimmer 2" x 2.5" Socket 4.5" Throat	1	8.0	75
SP1070FVEKIT	Float Valve and Equalizer Kit for SP1070 Series Skimmers	10	12.0	-

*Available in Gray, Dark Gray and Black. To order specific colors, add suffix GR for Gray, DGR for Dark Gray and BLK for Black. Also available with tan collar and cover, add suffix 10 to model number. For skimmer packaged with float valve, add suffix FVA to model number.
**This part number must be ordered with SP1072FVEKIT and WG1070C to ensure it is NSF Certified.
***With Float and Equalizer Valves.



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In 2023, we're strengthening our support for commercial pool pros by combining Totally Hayward with the industry's best trade-only program: Expert Line.® By joining the Totally Hayward Partner Program, you'll earn rewards for purchasing the Hayward® Expert Line in-ground residential and commercial products your customers want and need—and can only get from you. Plus, with exclusive access to powerful marketing tools and amazing rewards for you and your team, becoming a member is a great way to keep your business a step ahead of the rest.



Purchase as few as 30 select Expert Line in-ground products in a calendar year (must include pumps and filters) to automatically qualify for program benefits.



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When you join the Totally Hayward Partner Program, you're signing up to get the most out of working with Hayward. Benefits include:

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- **Rewards for your entire team.** The Totally Hayward rewards catalog offers hundreds of premium products from brands you love, as well as the opportunity to redeem your points for vacations or cash.
- **Easy points redemption and tracking.** Handle everything online at our dedicated rewards fulfillment website, HaywardRewards.net.
- **Social media assistance.** Master the world of Facebook®, Twitter®, Instagram® and YouTube® with the help of the trained experts on our Social Media Marketing Team.

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Hayward Commercial Aquatics products are expertly designed for ease of specification, installation and industry-leading energy efficiency. Through our Try it, Spec it, Love it Program, you can experience the Hayward difference firsthand when you try out one or any number of products from our extensive lineup at a significant savings. Staying on the cutting edge of advanced, innovative and efficient solutions for commercial pools and spas has never been easier—or more affordable.

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Name: _____

Address: _____

City, State, Zip: _____

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Ship To:

Company Name: _____

Name: _____

Address: _____

City, State, Zip: _____

Tel #: _____

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Email: _____

P.O. From: ☐ Hayward Dealer ☐ Builder ☐ Pool Service Company ☐ Other

Who is your local distributor? _____

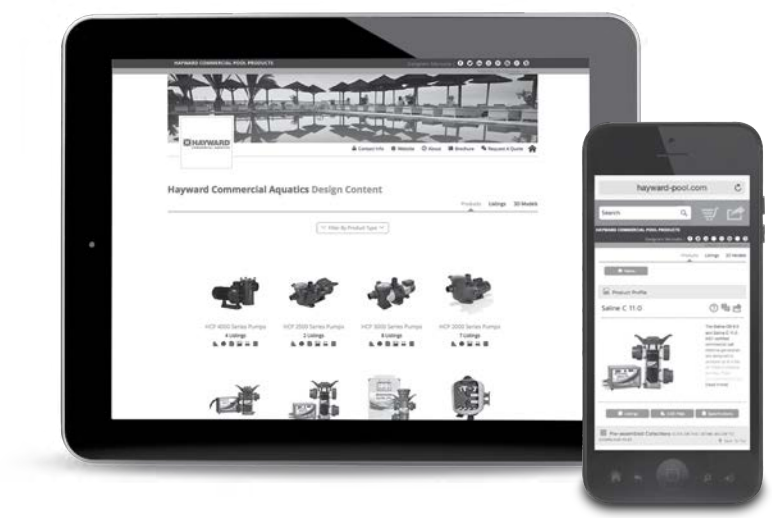
TRY ONE OR ALL SELECTIONS BELOW

PRODUCT/SKU	DESCRIPTION	MAX QTY ALLOWED	QTY ORDERED	PRICE
HCP3020VSP	HCP 3000 Series Pump, variable speed, single phase (230V)	2		
HCP 3000 Series	HCP 3000 Series Pump, any single-speed model	2		
HCF234C	Commercial Fiberglass Sand Filter, 34", 2" bulkhead	1		
LPWUS11100	Universal CrystaLogic® 500W Equivalent White LED 12V, 100' cord	5		
LPLUS11100	Universal CrystaLogic 300W Equivalent White LED 12V, 100' cord	5		Special pricing is received after form is submitted and approved. Please have credit card ready.
LSLUS11100	Universal CrystaLogic 100W Equivalent White LED 12V, 100' cord	5		
HYRXXX	HydroRite UV, HYR150, HYR75L4, HYR150L4, or HYR400L4	1		
HCSC60	Saline C® 6.0 Commercial Salt Chlorine Generator	1		
HCSC110	Saline C 11.0 Commercial Salt Chlorine Generator	1		
HCPVFDXXX	HCP Series Variable Frequency Drive, any model	3		
CAT-4000-WIFI/CELL	CAT 4000® Standard Package with Wi-Fi or Cellular Transceiver	1		
CATPP5500WIFI/CELL	CAT 5500® Professional Package with Wi-Fi or Cellular Transceiver, Machined Flow Cell and RFS	1		
CATPPWIFICF	CAT 6000®	1		
HP21404T	HeatPro® Heat Pump	1		

Total:

An inside sales representative will follow up when form is received. Upon review and approval, the purchaser will be required to provide credit card information in order to be issued a voucher. Purchaser must take voucher to local distributor for redemption. Limit one per customer and one-time use only. Anything over the allowed amount will be declined. This program cannot be combined with any other discount, promotion, rebate or Totally Hayward® Program. Other rules and restrictions may apply. See full terms at hayward.com/commercialprogram.

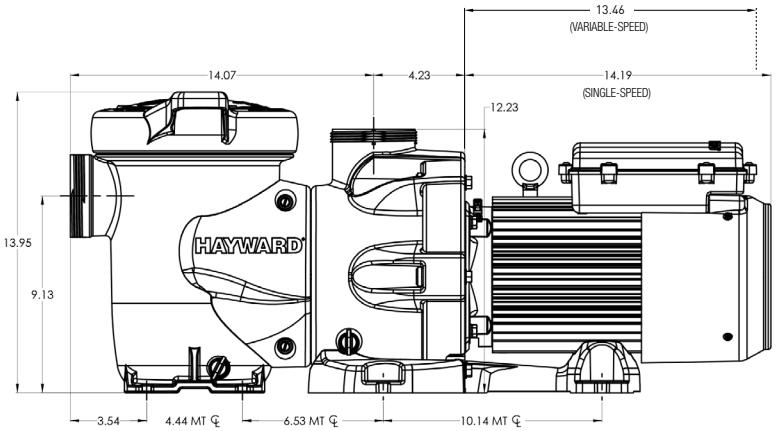
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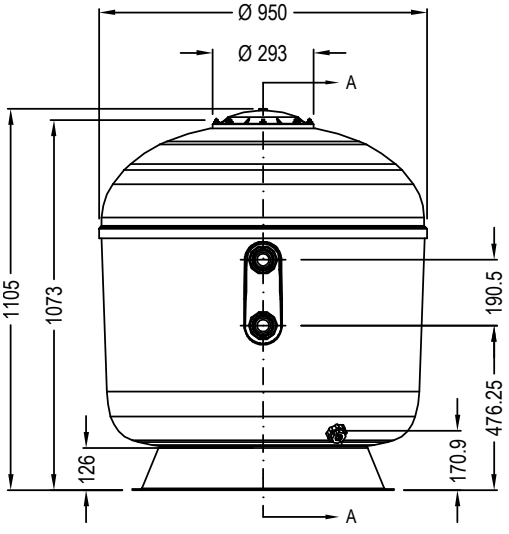


SPECIFY HAYWARD®

» CAD Drawings
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» Certifications

Scan to quickly locate detailed specs and ready-to-use CAD drawings for every Hayward Commercial Aquatics product.





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View all design resources and Commercial Pool Product specifications.

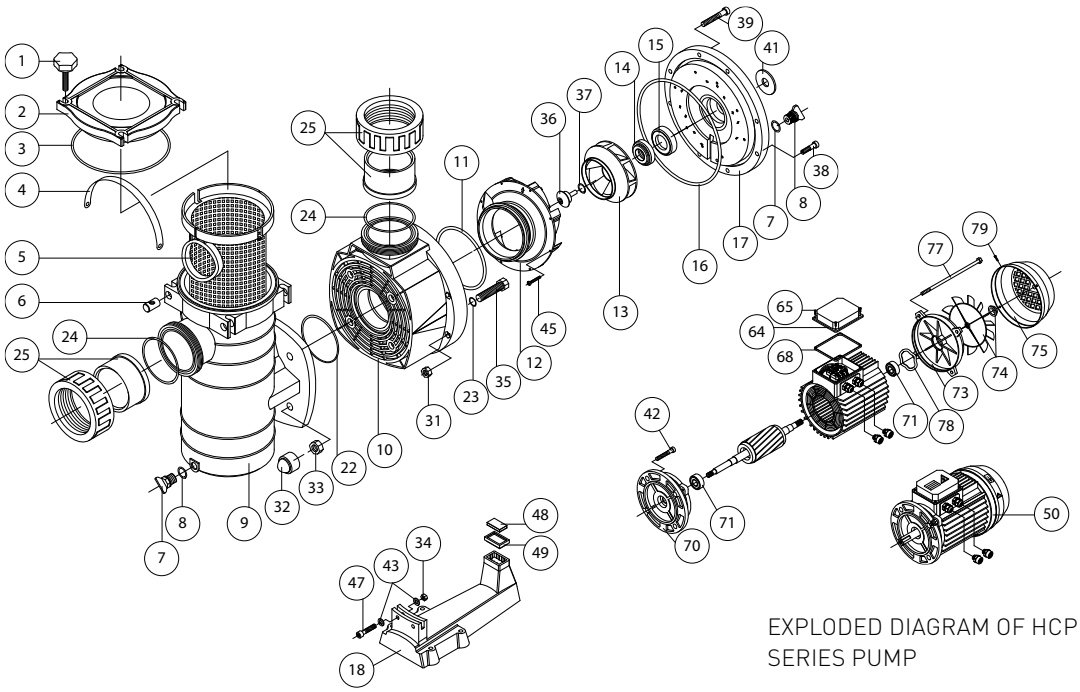




Replacement Parts

408 Commercial Pumps
413 Commercial Sand Filters
416 Commercial Automation
417 Commercial Sanitization
419 Commercial Heaters
423 Commercial Cleaners
430 Commercial Flow Control

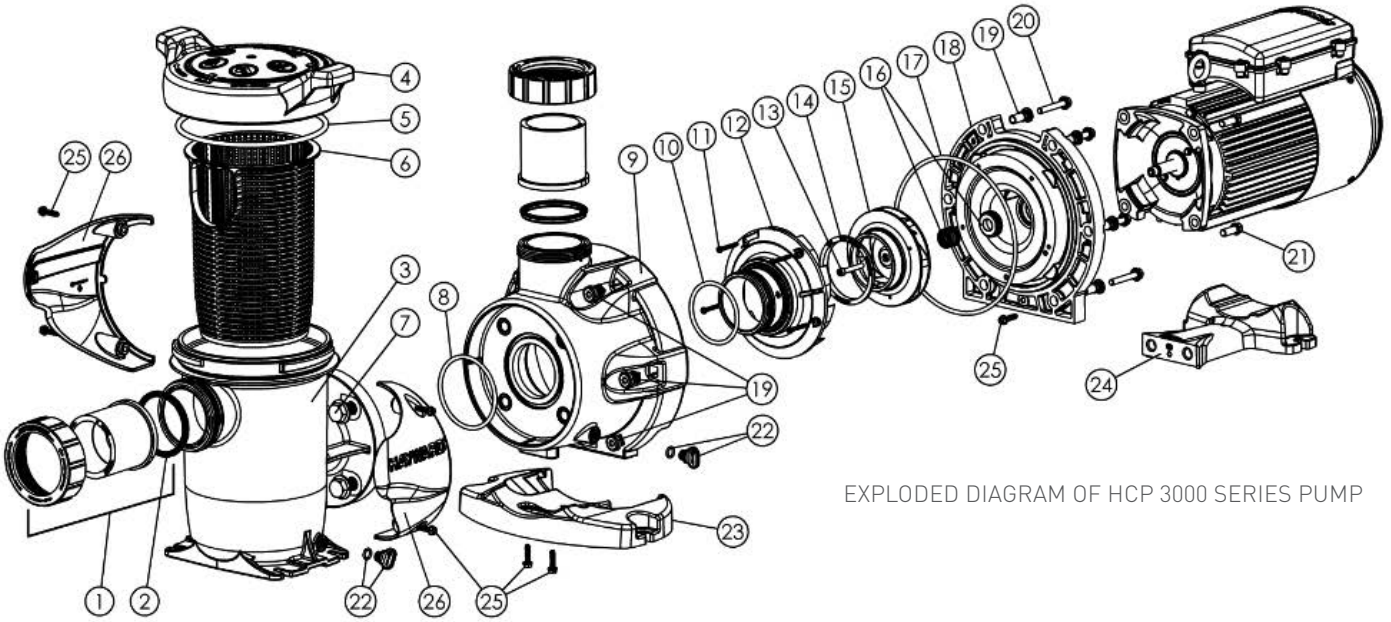
Commercial Pumps



EXPLODED DIAGRAM OF HCP 4000 SERIES PUMP

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	COMPONENTS	DRAWING NUMBER	CARTON QTY
HCP 4000 SERIES						
HCXP6000A	Lid Bolt Set	$103.47	0610377136143	Cover Screw Pin	1 6	1
HCXP6001A	Pump Lid	$308.45	0610377136150	Pump Lid Pump Lid O-ring	2 3	1
HCXP6002A	Filter Basket	$365.72	0610377136167	Filter Basket Handle	5 4	1
HCXP6004A	Seal Set	$130.92	0610377136181	Diffuser Gasket Seal - spring Seal - ceramic Flange O-ring Impeller O-ring	11 14 15 16 37	1
HCXP6005A	Diffuser (HCP55/HCP75)	$290.60	0610377136198	Diffuser 501/751 Screw DIN 7985 M3-45	12 45	1
HCXP6006A	Diffuser (HCP100/HCP125)	$290.60	0610377136204	Diffuser 1001/1251 Screw DIN 7985 M3-45	12 45	1
HCXP6007A	Impeller HCP55	$523.07	0610377136211	Impeller 501 - 60Hz Impeller Stopper Impeller O-ring	13 36 37	1
HCXP6008A	Impeller HCP75	$523.07	0610377136228	Impeller 751 - 60Hz Impeller Stopper Impeller O-ring	13 36 37	1
HCXP6009A	Impeller HCP100	$523.07	0610377136235	Impeller 1001 - 60Hz Impeller Stopper Impeller O-ring	13 36 37	1
HCXP6010A	Impeller HCP125	$523.07	0610377136242	Impeller 1251 - 60Hz Impeller Stopper Impeller O-ring	13 36 37	1
HCXP6011A	Pump Casing	$796.70	0610377136259	Pump Casing O-ring Screw Pump Casing 16 x 3 O-ring Pump Casing 124 x 4	17 23 22	1
HCXP6012A	Pump Support	$96.23	0610377136266	Pump Support Rubber Pad Supplement	18 48 49	1

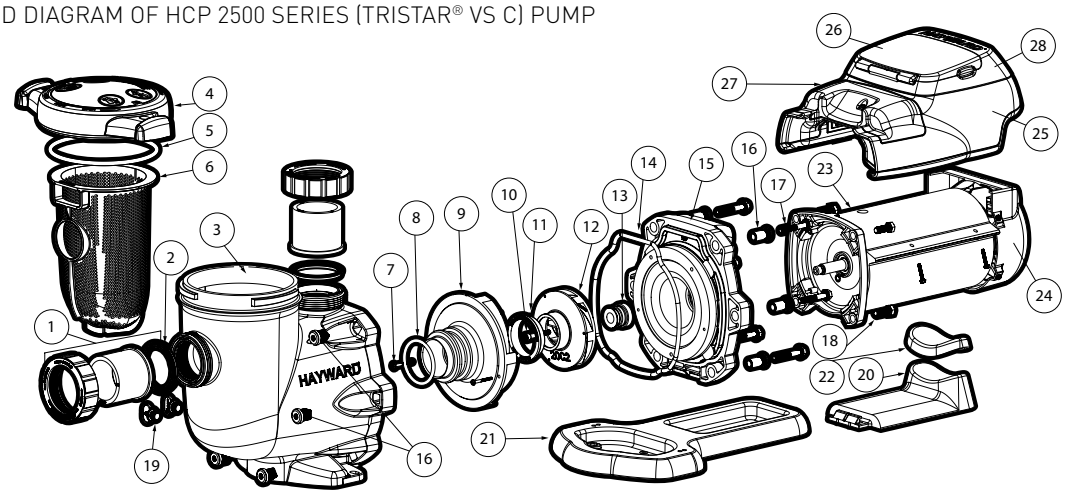
PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	COMPONENTS	DRAWING NUMBER	CARTON QTY
HCP 4000 SERIES, CONTINUED						
HCXP6013A	Drain Plug Set	$16.99	0610377136273	Drain Drain O-ring	7 8	1
HCXP6014A	Pump Lid O-ring	$18.79	0610377136280	Pump Lid O-ring	3	1
HCXP6015A	Diffuser O-ring	$48.51	0610377136297	Diffuser Gasket	11	1
HCXP6016A	Flange O-ring	$32.75	0610377136303	Pump Casing O-ring	16	1
HCXP6017A	Seal Plate	$397.71	0610377136310	Plastic Flange	17	1
HCXP6018A	Seal Plate Screw Set	$70.42	0610377136327	Nut DIN 934 M10 Screw DIN 912 M10 x 30 Screw DIN 912 M10 x 130	31 38 39	1
HCXP6019A	Union Connection Set (Qty of 2)	$325.47	0610377136334	O-ring Tail Piece & Nut	24 25	1
HCXP6020A	Motor Mounting Screws (Qty of 4)	$41.79	0610377136341	Screw DIN 933 M10 x 25	42	1
HCXP6021A	Pump Casing Bolts (Qty of 4)	$84.97	0610377136358	Screw DIN 933 M16 x 40 Nut DIN 934 M16 O-ring 16 x 3 Cover Screw	10 33 23 32	1
HCXP6022A	Pump Strainer Body	$1,255.43	0610377136365	Filter Basket Body O-ring Pump Casing 124 x 4	9 22	1
HCXP6023A	Pump Support Bolt Set	$41.79	0610377136372	Screw DIN 912 M8 x 40 Washer DIN 125 M8 Nut DIN 934 M8	47 43 34	1
HCXP6024A	Kit Adaptor PG21 - 3/4" (Qty of 2)	$134.12	0610377136389	PG21 by 3/4" NPT Adaptor	—	1
HCXP6025A	Strain Body O-ring	$21.32	0610377209793	O-ring Pump Casing 124 x 4	22	1
HCXP55MOTOR	HCP55 Motor	$3,291.77	0610377136396	Motor 60Hz HCP 55	50	1
HCXP75MOTOR	HCP75 Motor	$4,420.76	0610377136402	Motor 60Hz HCP 75	50	1
HCXP100MOTOR	HCP100 Motor	$4,537.91	0610377136419	Motor 60Hz HCP 100	50	1
HCXP125MOTOR	HCP125 Motor	$5,120.84	0610377136426	Motor 60Hz HCP 125	50	1
HCXP6050A	Bearings Set - HCP55	$286.14	0610377136433	Bearing HCP 55	71	1
HCXP6051A	Bearings Set - HCP75/100/125	$404.85	0610377136440	Bearing HCP 75/100/125	71	1
HCXP6055A	Motor Cover - HCP55	$290.26	0610377136457	For HCP 55 - 60Hz	73	1
HCXP6056A	Motor Cover - HCP75/100/125	$370.75	0610377136464	For HCP 75/100/125 - 60Hz	73	1
HCXP6060A	Fan - HCP55	$102.14	0610377136471	Fan for HCP 55 - 60Hz Clamp	74	1
HCXP6061A	Fan - HCP75/100/125	$171.82	0610377136488	Fan for HCP 75/100/125 - 60Hz Clamp	74	1
HCXP6065A	Fan Cover - HCP55	$119.82	0610377136495	Fan Cover for HCP 55 - 60Hz Fan Cover Screw	75 79	1
HCXP6066A	Fan Cover - HCP75/100/125	$159.31	0610377136501	Fan Cover for HCP 75/100/125 - 60Hz Fan Cover Screw	75 79	1
HCXP6070A	Motor Flange - HCP55	$456.58	0610377136518	Motor Flange HCP 55	70	1
HCXP6071A	Motor Flange - HCP75/100/125	$703.67	0610377136525	Motor Flange HCP 75/100/125	70	1
HCXP6075A	Electrical Connection Lid	$156.04	0610377136532	Connection Box Lid Lid Screw Motor Connection Box Gasket	64 65 68	1
HCXP6052A	Washer Set - HCP55	$41.79	0610377136549	Compensation Washer Set 6207	78	1
HCXP6053A	Washer Set - HCP75/100/125	$41.79	0610377136556	Compensation Washer Set 6208	78	1
HCXP6077A	Motor Tie Rods - HCP55 (Qty of 4)	$54.10	0610377136563	Motor Screws HCP 55 Motor 60Hz	77	1
HCXP6078A	Motor Tie Rods - HCP75/100 (Qty of 4)	$58.43	0610377136570	Motor Screws HCP 75/100 Motor 60Hz	77	1
HCXP6079A	Motor Tie Rods - HCP125 (Qty of 4)	$68.77	0610377136587	Motor Screws HCP 125 Motor 60Hz	77	1



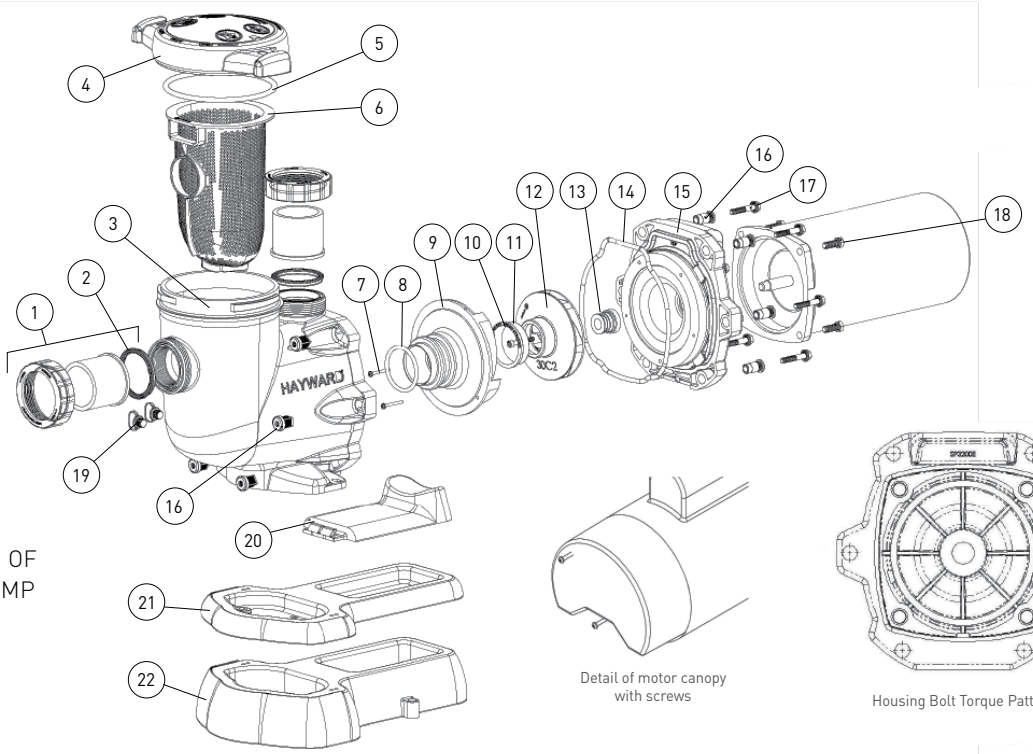
EXPLODED DIAGRAM OF HCP 3000 SERIES PUMP

PART NUMBER	SIZE / DESCRIPTION	GTIN	LIST PRICE	DRAWING NUMBER	CARTON QTY
HCP 3000 SERIES					
HCXP3000UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 each)	0610377341257	$124.27	1	1
HCXP3000UG	Union Gasket	0610377341295	$25.36	2	—
HCXP3000H	Strainer Housing with Drain Plug	0610377341325	$266.30	3	1
HCXP3000DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-ring)	0610377341356	$88.77	4	5
SPX4000S	Strainer Cover O-ring	0610377079242	$29.28	5	50
HCXP3000M	Strainer Basket	0610377341448	$63.40	6	1
HCXP3000Z3	Strainer Housing Flange Bolt/Washer – 4 each	0610377341424	$38.04	7	10
HCXP343V70	Strainer Housing Flange O-ring	0610377341509	$12.68	8	10
HCXP3000A	Pump Housing w/Drain Plug (Power Assembly Required VSP)	0610377341547	$149.63	9	1
HCXP338V60	Diffuser O-ring	0610377341561	$27.90	10	10
SPX2700Z3SSPAK4	Diffuser Screws (4 Pack)	0610377341585	$22.83	11	10
HCXP3000B	Diffuser, 2 - 5 HP	0610377341608	$124.27	12	1
HCXP3000B2	Diffuser, 7 HP	0610377341622	$149.63	12	1
SPX3200Z1	Impeller Screw	0610377912013	$6.50	13	50
HCXP3000R	Impeller Ring, 2 - 5 HP	0610377341684	$12.68	14	10
HCXP3001R	Impeller Ring, 7 HP	0610377341691	$12.68	14	10
HCXP3020C	2 HP Impeller with Impeller Screw	0610377341714	$73.55	15	10
HCXP3030C	3 HP Impeller with Impeller Screw	0610377341660	$81.16	15	10
HCXP3050C	5 HP Impeller with Impeller Screw	0610377341615	$86.23	15	10
HCXP3070C	7 HP Impeller with Impeller Screw	0610377341592	$91.30	15	10
SPX4000SAV	Shaft Seal Assembly	0610377330459	$38.63	16	10
HCXP369V70	Pump Housing O-ring	0610377341578	$12.68	17	10
HCXP3000E	Seal Plate	0610377341554	$124.27	18	1
SPX3200Z34PAK4	Motor Bolt (4 Pack)	0610377341530	$25.36	21	10
HCXP3000F	Pump Housing Base	0610377341493	$50.72	23	10
HCXP3000G	Motor Support Base	0610377341479	$50.72	24	10
SPX1600Z5SS	Base Screws (7 Pack)	0610377341462	$17.75	25	10
HCXP3000N250	Right and Left Side Plate Set, Platinum Color	0610377345590	$58.33	26	5
HCXP3000N251	Right and Left Side Plate Set, Blue Color	0610377345606	$58.33	26	5
HCXP3020Z1D	Motor, 2 HP, Three-Phase 208-230/460V	0610377341400	$1,204.68	—	1
HCXP3030Z1D	Motor, 3 HP, Three-Phase 208-230/460V	0610377341363	$1,331.49	—	1
HCXP3050Z1M	Motor, 5 HP, Single-Phase 208-230V	0610377341349	$1,547.06	—	1
HCXP3050Z1D	Motor, 5 HP, Three-Phase 208-230/460V	0610377341332	$1,547.06	—	1
HCXP3075Z1D	Motor, 7 HP, Three-Phase 208-230/460V	0610377341318	$1,772.78	—	1
HCXP3020Z1DC	Motor, 2 HP, Three-Phase 575V	0610377341301	$1,204.68	—	1
HCXP3030Z1DC	Motor, 3 HP, Three-Phase 575V	0610377341288	$1,331.49	—	1
HCXP3050Z1DC	Motor, 5 HP, Three-Phase 575V	0610377341271	$1,559.74	—	1
HCXP3075Z1DC	Motor, 7 HP, Three-Phase 575V	0610377341264	$1,848.86	—	1
HCXP3020Z1VSPE	VSP power end 2.7	0610377383349	$2877.17	—	1

EXPLODED DIAGRAM OF HCP 2500 SERIES (TRISTAR® VS C) PUMP



PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	DRAWING NUMBER	CARTON QTY
HCP 2500 SERIES (TRISTAR® VS C)					
SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket) (Qty of 2)	$45.90	0610377912068	1	1
SPX3200UG	Union Gasket, 50D EPDM (Qty of 2)	$11.99	0610377912075	2	1
SPX3200A	Pump Strainer Housing, 2" x 2-1/2" w/Drain Plugs, Threaded Style	$292.72	0610377911900	3	1
SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-ring)	$78.08	0610377911948	4	10
SPX3200DLSB	Strainer Cover Kit (Biguanide Sanitizer Applications Only: Not Pressure Testable)	$78.08	0610377059619	—	10
SPX3200S	Strainer Cover O-ring (New Power Assenbly Required)	$13.25	0610377911993	5	10
SPX3200M	Strainer Basket	$17.80	0610377911979	6	15
SPX3200Z8	Diffuser Screw	$10.39	0610377912051	7	1
SPX4000Z1	Diffuser O-ring	$11.87	0610377563666	8	10
SPX3200B3	Diffuser	$38.71	0610377911924	9	1
SPX3200Z1	Impeller Screw	$6.50	0610377912013	10	1
SPX3021R	Impeller Ring	$5.59	0610377041393	11	1
SPX3220C	Impeller for 2 HP w/Impeller Screw	$49.74	0610377912129	12	10
SPX3200SA	Shaft Seal Assembly	$24.50	0610377013123	13	10
SPX3200T	Housing O-ring	$10.24	0610377912006	14	10
SPX3200E	Seal Plate	$50.55	0610377911955	15	1
SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	$22.92	0610377912020	16	1
SPX3200Z3	Housing Bolt	$4.26	0610377912037	17	10
SPX3200Z5	Motor Bolt	$8.08	0610377912044	18	1
SPX4000FG	Drain Plug w/O-ring	$4.19	0610377551908	19	10
SPX3200GA	Bracket, Motor Support	$39.20	0610377911962	20	1
SPX3200WF	Riser Base, Pentair® WhisperFlo®	$37.80	0610377032605	21	1
SPX3200SR	Riser Base, Sta-Rite® Max-E-Pro,™ Max-E-Glas,® Dura-Glas® and Dura-Glas II®	$37.08	0610377032674	21	1
SPX3200Q	Adapter-Motor Support	$9.53	0610377134408	22	10
SPX3400Z1ECM	Motor Assembly	$726.08	0610377134453	23	1
SPX3400FAN	Motor Fan Shroud	$29.52	0610377134507	24	5
HCXP3400DR	Motor Drive	$1,656.39	0610377141048	25	1
HCXP3400DRVR	Motor Drive, SVRS	$1,950.90	0610377141055	25	1
SPX3400DR4	Motor Drive Display Cover, Black	$39.35	0610377134415	26	5
HCXP3400DR4C	Motor Drive Display Cover, Clear	$41.86	0610377141062	26	5
SPX3400DR2	Motor Drive Wiring Cover	$83.00	0610377134422	27	5
HCXP3400LCD	Digital Control Interface Assembly	$517.62	0610377141079	28	1
SPX3400DRKIT	Wall Mount Kit	$111.54	0610377135474	—	5



EXPLODED DIAGRAM OF
HCP 2000 SERIES PUMP

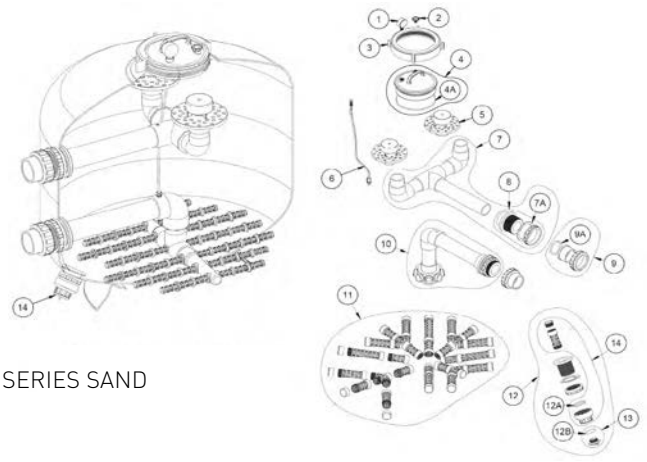
Detail of motor canopy
with screws

Housing Bolt Torque Pattern

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	DRAWING NUMBER	CARTON QTY
HCP 2000 SERIES (TRISTAR®) PUMP					
SPX3200UNKIT	Union Connector Kit	$45.90	0610377912068	1	10
SPX3200UG	Union Gasket	$11.99	0610377912075	2	100
SPX3200A	Pump Strainer Housing	$292.72	0610377911900	3	1
SPX3200DLS	Strainer Cover Kit	$78.08	0610377911948	4	10
SPX3200DLSB	Strainer Cover Kit - SB	$78.08	0610377059619	4	10
SPX3200S	Strainer Cover O-ring	$13.25	0610377911993	5	50
SPX3200M	Strainer Basket	$17.80	0610377911979	6	2
SPX3200Z8	Diffuser Screw	$10.39	0610377912051	7	50
SPX4000Z1	Diffuser O-ring	$11.87	0610377563666	8	50
SPX3200B3	Diffuser	$38.71	0610377911924	9	5
SPX3200Z1	Impeller Screw	$6.50	0610377912013	10	50
SPX3021R	Impeller Ring	$5.59	0610377041393	11	50
SPX3205C	Impeller for ½ HP with Impeller Screw	$34.62	0610377006187	12	10
SPX3207C	Impeller for ¾ HP with Impeller Screw	$34.62	0610377912099	12	10
SPX3207CM	Impeller for 1 HP with Impeller Screw (Max Rate)	$32.97	0610377013406	12	10
SPX3210C	Impeller for 1 HP with Impeller Screw (Full Rate)	$36.02	0610377912105	12	10
SPX3215C	Impeller for 1½ HP with Impeller Screw	$42.45	0610377912112	12	10
SPX3220C	Impeller for 2 HP with Impeller Screw (Full Rate)	$49.74	0610377912129	12	10
SPX3220CM	Impeller for 2½ HP with Impeller Screw (Max Rate)	$49.74	0610377912129	12	10
SPX3230C	Impeller for 3 HP with Impeller Screw	$49.74	0610377912136	12	10
SPX3230C5	Impeller for 5 HP with Impeller Screw	$49.74	0610377019187	12	10
SPX3200SA	Shaft Seal Assembly	$24.50	0610377013123	13	10
SPX3200T	Housing O-ring	$10.24	0610377912006	14	50
SPX3200E	Seal Plate	$50.55	0610377911955	15	5
SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	$22.92	0610377912020	16	50
SPX3200Z3	Housing Bolt	$4.26	0610377912037	17	50
SPX3200Z5	Motor Bolt	$8.08	0610377912044	18	50
SPX4000FG	Drain Plug with O-ring	$4.19	0610377551908	19	50
SPX3200GA	Bracket, Motor Support, TriStar	$39.20	0610377911962	20	5
SPX3200WF	Base, Short Riser, TriStar	$37.80	0610377032605	21*	1
SPX3200SR	Base, Tall Riser, TriStar	$37.08	0610377032674	22*	1

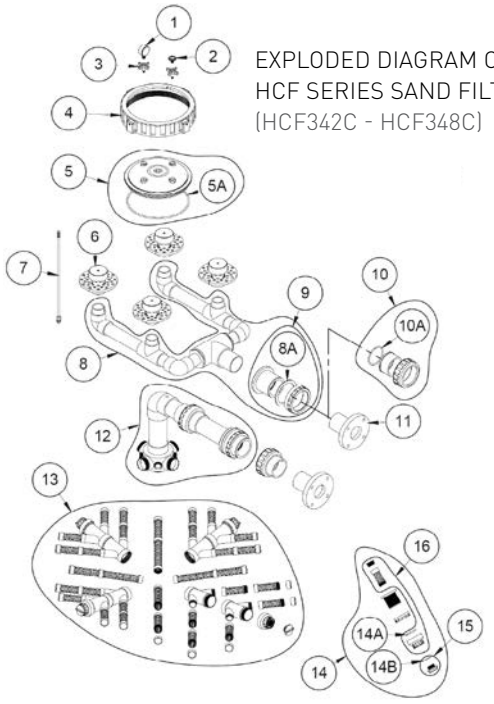
*STA-RITE is a registered trademark of Sta-Rite Industries, Inc. and WHISPERFLO is a registered trademark of Pentair Water Pool & Spa, Inc., which are used herein for identification purposes only. These are retrofit bases for existing STA-RITE and WHISPERFLO pump installations. Sta-Rite Industries, Inc. and Pentair Water Pool & Spa, Inc. are not affiliated with Hayward Pool Products.®

Commercial Sand Filters

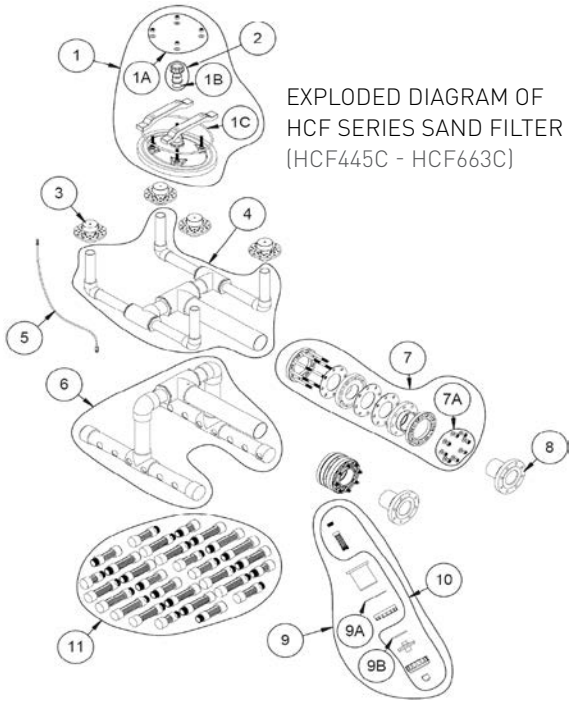


EXPLODED DIAGRAM OF HCF SERIES SAND FILTER (HCF230C - HCF336C)

PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF230C - HCF336C)		
HCXFWPG001	Pressure Gauge 0-60 PSI	1
HCXFWARV002	Air Relief Valve & O-Ring Kit	2
HCXFWLR003	Top Lid Locking Ring	3
HCXFWLIDKIT004	8" Clear Lid & O-Ring Kit	4
HCXFWLOR004A	8" Clear Lid O-Ring	4A
HCXFWDIF005	2" Diffusor Hydrodome	5
HCXFWVTKIT006	Vent Tube Kit	6
HCXFW2DIS007	HCF230C - 2" Distributor Assy	7
HCXFW2DIS107	HCF234C - 2" Distributor Assy	7
HCXFW2DIS207	HCF236C - 2" Distributor Assy	7
HCXFW2DIS307	HCF336C - 3" Distributor Assy	7
HCXFW2BHG007A	2" Bulkhead Gasket (2 per pack)	7A
HCXFW2BHG207A	2.5" Bulkhead Gasket (2 per pack)	7A
HCXFW2BHG307A	3" Bulkhead Gasket (2 per pack)	7A
HCXFW2BHK008	2" Bulkhead Kit	8
HCXFW2BHK208	2.5" Bulkhead Kit	8
HCXFW2BHK308	3" Bulkhead Kit	8
HCXFW2UNAD009	2" Union Half Adapter	9
HCXFW2UNAD209	2.5" Union Half Adapter	9
HCXFW2UNAD309	3" Union Half Adapter	9
HCXFW2UNAOR009A	2" Union O-Ring (2 per pack)	9A
HCXFW2UNAOR209A	2.5" Union O-Ring (2 per pack)	9A
HCXFW2UNAOR309A	3" Union O-Ring (2 per pack)	9A
HCXFW2COL010	HCF230C - 2" Collector Assy	10
HCXFW2COL110	HCF234C - 2" Collector Assy	10
HCXFW2COL210	HCF236C - 2.5" Collector Assy	10
HCXFW2COL310	HCF336C - 3" Collector Assy	10
HCXFWLATKIT011	HCF230C - Lateral Kit	11
HCXFWLATKIT111	HCF234C - Lateral Kit	11
HCXFWLATKIT211	HCF236C - Lateral Kit	11
HCXFWLATKIT311	HCF336C - Lateral Kit	11
HCXFWDPA012	1.5" Drain Port Assy	12
HCXFWDPOR012A	Media Drain Cap O-Ring	12A
HCXFWDPOR012B	Water Drain Plug O-Ring	12B
HCXFWDPCKIT013	Water Drain Plug & O-Ring Kit	13
HCXFWDPCKIT014	Water Drain Cap & O-Ring Kit	14



EXPLODED DIAGRAM OF
HCF SERIES SAND FILTER
(HCF342C - HCF348C)

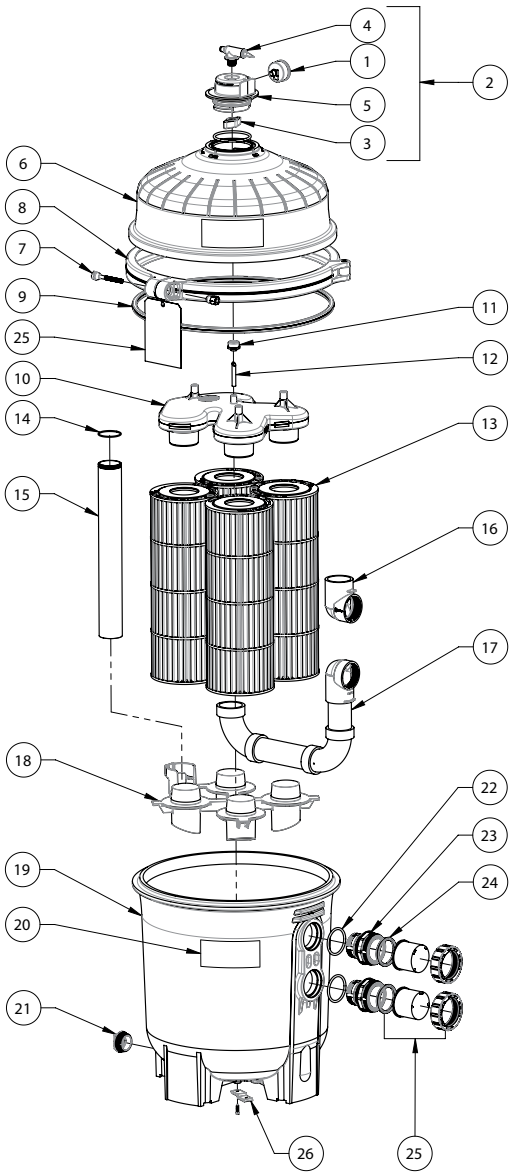


EXPLODED DIAGRAM OF
HCF SERIES SAND FILTER
(HCF445C - HCF663C)

PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF342C - HCF348C)		
HCXFWPG001	Pressure Gauge 0-60 PSI	1
HCXFWARV002	Air Relief Valve & O-Ring Kit	2
HCXFWKNOB3	Knob for Clear 12" Lid	3
HCXFWLR004	12" Filter Lock Ring	4
HCXFWLIDKIT005	12" Lid Kit	5
HCXFWLOR005A	12" Lid O-Ring	5A
HCXFWDIF005	2" Diffusor Hydrodome	6
HCXFWVTKIT006	Vent Tube Kit	7
HCXFW3DIS008	HCF342C - 3" Distributor Assy	8
HCXFW3DIS108	HCF348C - 3" Distributor Assy	8
HCXFW2BHG307A	3" Bulkhead Gasket (2 per pack)	8A
HCXFW2BHK308	3" Bulkhead Kit	9
HCXFW2UNAD309	3" Union Half Adapter	10
HCXFW2UNAOR309A	3" Union O-Ring (2 per pack)	10A
HCXFW3FLGFPASSY	3" Flange Fipt & Pipe Mipt Assy	11
HCXFW3COL012	HCF342C - 3" Collector Assy	12
HCXFW3COL112	HCF348C - 3" Collector Assy	12
HCXFWLATKIT013	HCF342C - Lateral Kit	13A
HCXFWLATKIT113	HCF348C - Lateral Kit	13B
HCXFWDPA012	1.5" Drain Port Assy	14
HCXFWDPOR012A	Media Drain Cap O-Ring	14A
HCXFWDPOR012B	Water Drain Plug O-Ring	14B
HCXFWDPCKIT013	Water Drain Plug & O-Ring Kit	15
HCXFWDPCKIT014	Media Drain Cap & O-Ring Kit	16

PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF445C - HCF663C)		
HCXFWLIDKIT001	Complete Lid Assy	1
HCXFW1216HDWR	Lid Nut & Washer Kit	1A
HCXFWDPOR012A	1.5" Union O-Ring	1B
HCXFWLOR001C	Filter Lid O-Ring	1C
HCXFW3UNAD002	1.5" Union Half Adapter	2
HCXFWDIF005	2" Diffusor Hydrodome	3
HCXFW4DIS004	HCF455C - 4" Distributor Assy	4
HCXFW6DIS004	HCF663C - 6" Distributor Assy	4
HCXFWVTKIT005	Vent Tube Kit	5
HCXFW4COL006	HCF445C - 4" Collector Assy	6
HCXFW6COL006	HCF663C - 6" Collector Assy	6
HCXFWPA4007	4" Port Assembly	7
HCXFWPA6007	6" Port Assembly	7
HCXFWPANW4007A	4" Port Assy Nut & Washer Kit	7A
HCXFWPANW6007A	6" Port Assy Nut & Washer Kit	7A
HCXFW4FLGFPASSY	4" Flange Fipt & Pipe Mipt Assy	8
HCXFW6FLGFPASSY	6" Flange Fipt & Pipe Mipt Assy	8
HCXFWDPA009	3" Drain Port Assy	9
HCXFW2BHG307A	3" Bulkhead Gasket (2 per pack)	9A
HCXFW2UNAOR309A	3" Union O-Ring (2 per pack)	9B
HCXFWDPCKIT010	Media Drain Cap Kit	10
HCXFWLATKIT511	HCF455C - Lateral Kit	11

Commercial Cartridge Filters



EXPLODED DIAGRAM OF
HCF SERIES CARTRIDGE FILTER

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	DRAWING NUMBER	CARTON QTY
HCF SERIES CARTRIDGE FILTER					
ECX2712B1	Pressure Gauge	$21.52	0610377809702	1	10
DEX2420Z8A	O-ring Kit (Set of 2)	$27.04	0610377619578	2	10
CCX1000N	Air Relief Valve Nut	$3.55	0610377845663	3	10
CCX1000V	Manual Air Relief w/O-ring	$11.13	0610377845649	4	1
DEX2420MAR2	Manual Air Relief Assembly	$142.07	0610377011105	5	1
DEX7220B3C	Upper Filter Body HCF7030C	$764.74	0610377121439	6	1
DEX2421J2	Clamp Bolt & Nut	$32.43	0610377105989	7	10
DEX2421JKIT	Clamp System (Includes Clamp, Clamp Nut & Bolt, Hang Tag, Metal Reinforced Seal and Labels)	$385.60	0610377105972	8	1
DEX2422Z2	Metal Reinforced Seal	$63.87	0610377105996	9	1
CX5030C	Top Manifold HCF7030C	$84.41	0610377139571	10	1
CX3000J1	Air Relief Filter	$14.21	0610377129206	11	1
CX2030Z3	Air Relief Tube	$11.33	0610377139588	12	1
CX591XRE	Cartridge Element (8 Required)	$79.46	0610377138543	13	1
CX591XREPAK4	Cartridge Elements (4 Pack)	$301.98	0610377188166	—	1
CX7020M	Mid Plate Connector HCF7030C	$58.85	0610377770699	—	1
DEX2400Z5	O-ring	$5.37	0610377021135	14	1
CX3031F10	Outlet Pipe HCF7030C	$51.34	0610377210065	15	1
CX3030F	Inlet Elbow	$10.27	0610377210225	16	5
CX3030H	Assembly, SwimClear™ Piping	$96.47	0610377210232	17	1
CX3030D	Bottom Seal Plate	$52.89	0610377139649	18	1
DEX2420ATC	Filter Body	$718.87	0610377106917	19	1
DEX2420LA6PAK	Label Pack (Includes All Warning & Operation Labels, Hang Tag, Wire Tie, Owner's Manual)	$30.70	0610377106009	20	1
SP1022CBLK	1-1/2" Drain Plug w/ O-ring (Black)	$1.55	0610377762106	21	100
SX220Z2	O-ring	$9.33	0610377055048	22	1
CX3035F	Bulkhead Fitting	$29.57	0610377139656	23	1
SPX3200UG	Union Gasket (T-Seal)	$11.99	0610377912075	24	1
SPX3200UNKIT	Union Connection Kit (Includes Nut, Connector, Gasket)	$45.90	0610377912068	25	1
DEX2420DCKIT	Strap Kit (Optional)	$48.83	0610377618496	26	1

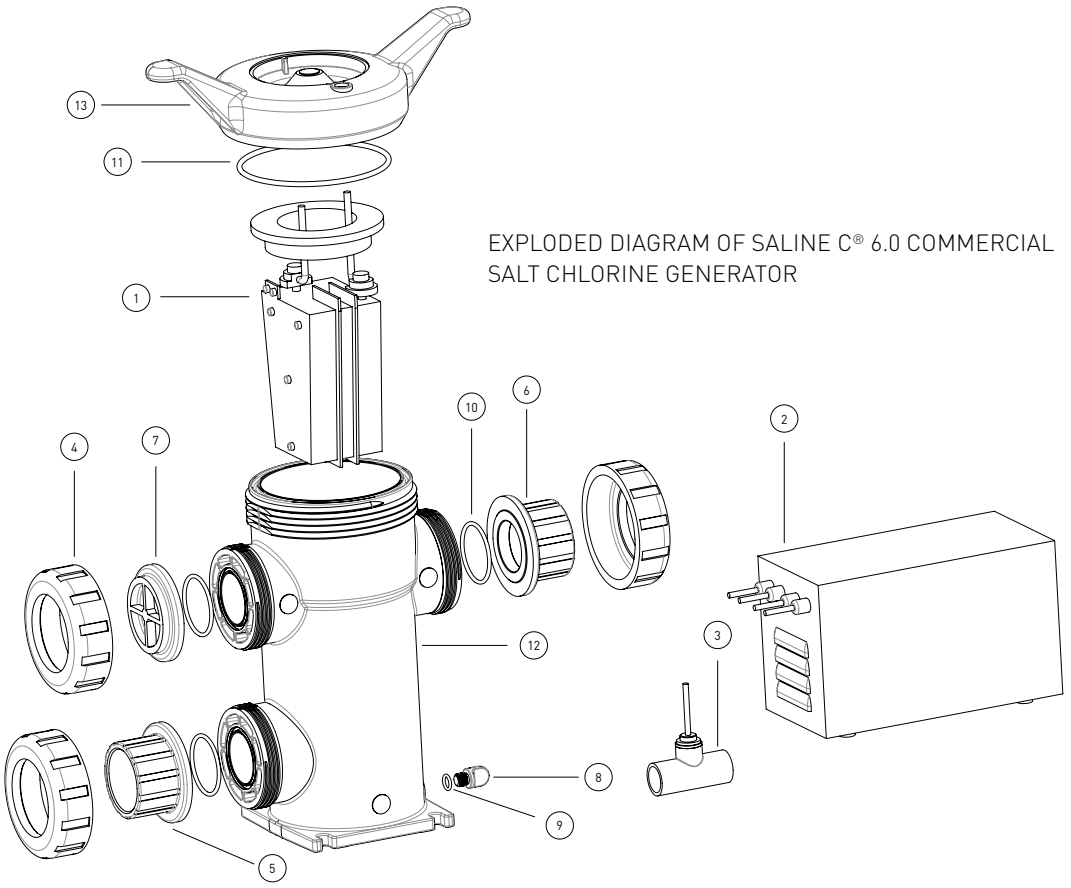
Commercial Automation

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
CAX-20100	5 Amp Fuse	$45.04	0761418012510	1
CAX-20101	1 Amp Fuse	$44.76	0761418012527	1
CAX-20102	4 Amp Fuse	$45.26	0761418012534	1
CAX-20275	10 Amp Fuse	$46.73	0761418013135	1
CAX-20105	110 VAC Pigtail	$74.88	0761418012565	1
CAX-20109	Thermal Printer w/Serial Interface	$1,753.97	0761418012602	1
CAX-20110	Thermal Printer Paper Per Roll	$29.23	0761418012619	1
CAX-20269	Thermal Printer Cable	$200.23	0761418013074	1
CAX-20150	Replacement Coil For AC015 or AC018	$340.83	0761418012626	1
CAX-20151	1/8" SS Solenoid Valve	$292.35	0761418012633	1
CAX-20152	Replacement CO_2 Injector	$77.96	0761418012640	1
CAX-AK4010W	Stenner Lead Tube - White 100' x 1/4"	$114.13	0761418012688	1
CAX-UCCP201-1	Stenner #1 Pump Tube (Qty of 2)	$98.29	0761418013340	1
CAX-UCCP201-2	Stenner #2 Pump Tube (Qty of 2)	$98.29	0761418013357	1
CAX-UCCP201-3	Stenner #3 Pump Tube (Qty of 2)	$94.01	0761418013364	1
CAX-UCCP201-4	Stenner #4 Pump Tube (Qty of 2)	$98.29	0761418013371	1
CAX-UCCP201-5	Stenner #5 Pump Tube (Qty of 2)	$102.55	0761418012695	1
CAX-MCCP201-1	Stenner #1 Pump Tube (Qty of 5)	$188.00	0761418013388	1
CAX-MCCP201-2	Stenner #2 Pump Tube (Qty of 5)	$196.96	0761418013395	1
CAX-MCCP201-3	Stenner #3 Pump Tube (Qty of 5)	$188.00	0761418013401	1
CAX-MCCP201-4	Stenner #4 Pump Tube (Qty of 5)	$188.00	0761418013418	1
CAX-MCCP201-5	Stenner #5 Pump Tube (Qty of 5)	$188.00	0761418013425	1
CAX-20200	Pressure Switch Complete w/Cable	$154.07	0761418012718	1
CAX-20201	Pressure Switch Only	$80.10	0761418012725	1
CAX-20280	Flow Sensor Cable Only	$85.52	0761418012749	1
CAX-20203	Rotary Flow Sensor	$481.50	0761418012749	1
CAX-20204	Clear Lens and O-ring	$97.46	0761418012756	1
CAX-20205	Blue Rotor and Ceramic Pin	$100.12	0761418012763	1
CAX-20206	Float Style Flow Switch For Molded Flow Cell	$97.46	0761418012770	1
CAX-20250	Probe Adaptor For Professional Series Sensors	$51.51	0761418012787	1
CAX-20251	2 - Sensor - Flow Cell Kit Without Rotary Flow Sensor	$770.35	0761418012794	1
CAX-50251	3 - Sensor - Flow Cell Kit Without Rotary Flow Sensor	$770.35	0610377337090	1
CAX-20252	3/8" OD Blue Flexible Tubing by the Foot	$6.65	0761418012800	1
CAX-20271	3/8" OD Black UV Flexible Tubing by the Foot	$3.92	0761418013432	1
CAX-20253	1/4" NPTM x 3/8" OD Speedfit Connectors	$14.33	0761418012817	1
CAX-20254	1/4" Asahi Ball Valves	$80.10	0761418012824	1
CAX-20255	1/4" Check Valve	$43.02	0761418012831	1
CAX-20256	1/4" In-Line Strainer	$70.32	0761418012848	1
CAX-20257	Flow Cell Arm Assembly	$116.91	0761418012855	1
CAX-20258-1	PVC Backboard 10" x 14"	$197.30	0761418012947	1
CAX-20258-2	PVC Backboard 16" x 16"	$192.03	0761418012930	1
CAX-20258-3	PVC Backboard 16" x 21"	$191.10	0761418012954	1
CAX-20258-4	PVC Backboard 24" x 24"	$205.70	0761418012961	1
CAX-20260	1/4" Parker Straight Valve	$77.19	0761418012886	1
CAX-20272	2 Sensor - Flow Cell, Molded	$77.05	0761418013449	1
CAX-50272	3 Sensor - Flow Cell, Molded	$77.05	0610377337106	1
CAX-20273	Cover Replacement Cover - CO_2	$96.37	0761418013111	1
CAX-20274	Probe Storage Cap	$50.58	0761418013128	1
CAX-20276	Screen for 1/4" In-Line Strainer	$10.86	0610377143233	1
CAX-3504	AC035 - PVC Crystal Suction Tube (Soft/Clear) (13' Roll)	$25.21	0610377205504	1
CAX-3505	AC035 - PVC Crystal Suction Tube (Soft/Clear) (300' Roll)	$167.56	0610377285612	1
CAX-3508	AC035 - 3 x 7 Santoprene®* Feed Tube 6.14GPD	$29.18	0610377205528	1
CAX-3509	AC035 - Roller Assembly	$47.20	0610377205535	1
CAX-3510	AC035 - Foot Filter - Weighted Suction Strainer - Polypropylene - w/Ceramic Weight	$19.77	0610377233002	1
CAX-3511	AC035 - Next Generation 1/4" Injection Check Valve	$51.41	0610377261692	1
CAX-3512	AC035 - 3 x 7 Santoprene Feed Tube - 31GPD	$28.07	0610377261708	1
CAX-3513	AC035 - Clear Front Cover	$18.94	0610377258692	1
CAX-6001	Plastic, Flow Cell, Hybrid II, Machined - Unassembled, Hayward® CAT 6000™	$554.02	TBD	1
CAX-6002	Plastic, Bracket, Mount, Wall, Hayward CAT 6000	$61.56	TBD	1
CAX-6003	Plastic, Flow Cell Mount, Hayward CAT 6000	$61.56	TBD	1
CAX-6004	Bracket, Flow Cell Mounting Plate, Stainless, Hayward CAT 6000	$61.56	TBD	1
CAX-6005	Chlorine Sensor Battery Bias, Hayward CAT 6000	$61.56	TBD	1
CAX-6006	Cable, AC Power Assembly 120 VAC, Hayward CAT 6000	$120.65	TBD	1
HCX015	HCC2000 pH Sensor - w/Hayward Label	$450.99	0610377142144	1
HCX025	HCC2000 ORP Sensor - w/Hayward Label	$450.99	0610377142151	1
HCX025AU	HCC2000 ORP Sensor Gold - w/Hayward Label	$450.99	0610377142168	1

Commercial Sanitization

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
HYDRORITE UV COMMERCIAL ULTRAVIOLET DISINFECTION SYSTEM				
HYXUVDSPCK	Replacement UV Display	760.85	610377405270	1
HYXUVBALCK	Replacement UV Ballast	400.71	610377405294	1
HYXUVQTZCK	Replacement UV Quarts Sleeve Kit – Complete	697.45	610377405300	1
HYXUVLAPCK	Replacement UV Lamp	722.81	610377405317	1
HYXUVSENCK	Replacement UV Sensor Kit – Complete	961.21	610377405324	1
HYXUVEXTCK	Replacement UV Lead Wire	152.17	610377405331	1
HYXUVFL240CK	Replacement UV Flow Switch for Model 240PVC / 480PVC	405.79	610377405348	1
HCXUVFL120CK	Replacement UV Flow Switch for Model 120PVC	405.79	610377405355	1

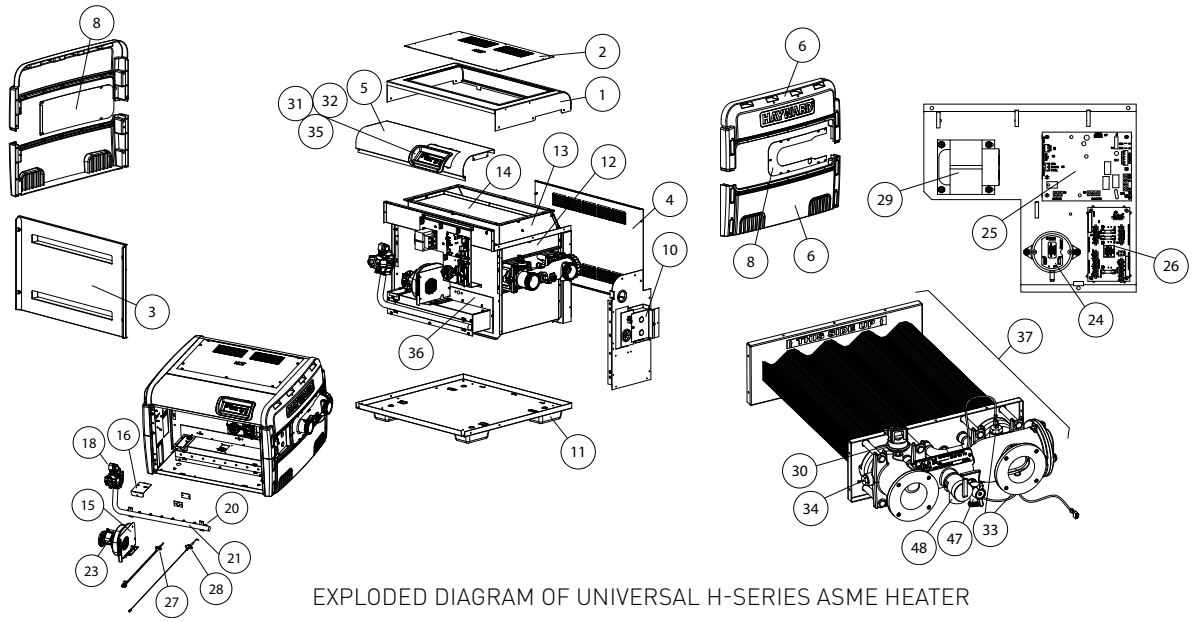




EXPLODED DIAGRAM OF SALINE C® 6.0 COMMERCIAL SALT CHLORINE GENERATOR

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	DRAWING NUMBER	CARTON QTY
SALINE C® 6.0					
HCXSCELL6	Replacement Cell & Cover	$3,384.08	0610377218368	1	1
HCXSPS6	Power Supply	$5,602.09	0610377218399	2	1
HCXSFLOS6	Flow Sensor	$400.17	0610377218405	3	1
HCXCCCC	Replacement Cell Cables, Connector & Gray Cap	$325.39	0610377269247	—	1
BSXC201CK	2" Clear Body	$454.81	0610377225991	12	1
TBX122	2" PVC True Union Ball Valve Assembly Nut	$27.06	0610377776097	4	3
ECX12S	2" PVC Pipe Connector Socket	$44.67	0610377191463	6	2
ECX12T	2" PVC Pipe Connector Threaded	$35.28	0610377191470	5	2
BSX1CAP2	2" PVC Port Cap	$39.62	0610377122108	7	1
BSX1PLUG2	1" PVC Plug	$39.62	0610377122108	8	1
ORX352V70	Piston Lid O-ring	$42.03	0610377018388	13	1
SB2KIT	O-ring #111 Viton 70 Duro - OR111V70 O-ring #227 Viton 70 Duro - OR227V70 O-ring #357 Viton 70 Duro - OR357V70	$36.96	0610377872706	9 10 11	3
SALINE C® 11.0					
HCXCCCC	Replace cell cables, connector, gray cap	$350.21	0610377269247	—	1
HCXCCCC11	CAP-GR cables, connect Saline 11	$857.17	0610377373722	—	1
HCXDISP611	Power supply, LCD display	$625.42	0610377373906	—	1
HCXSCELL11	Cell &cover, Saline 11	$7,284.24	0610377373685	—	1
HCXSFLOS11	Flow sensor, Saline 11	$700.42	0610377373739	—	1
HCXSPS11	Power supply, Saline 11	$11,764.41	0610377373715	—	1
BSCX401CK	4" Clear Body	$909.62	TBD	12	1
TBX142	4" PVC True Union Ball Valve Assembly Nut	$72.93	0610377193061	4	3
ECX14SBS	4" PVC Pipe Connector Socket	$109.42	0610377191500	6	2
ECX14TBS	4" PVC Pipe Connector Threaded	$109.42	0610377191517	5	2
BSX1CAP3	4" PVC Port Cap	$51.73	0610377097659	7	1
BSX1PLUG2E	2" PVC Plug	$32.05	0610377097659	8	1
ORX365V70	Piston Lid O-ring	$42.03	0610377192323	13	1
SB4KIT	O-ring #111 Viton 70 Duro - OR111V70 O-ring #365 Viton 70 Duro - OR365V70 O-ring #352 Viton 70 Duro - OR352V70	$90.64	0610377872720	9 10 11	3

Commercial Heaters



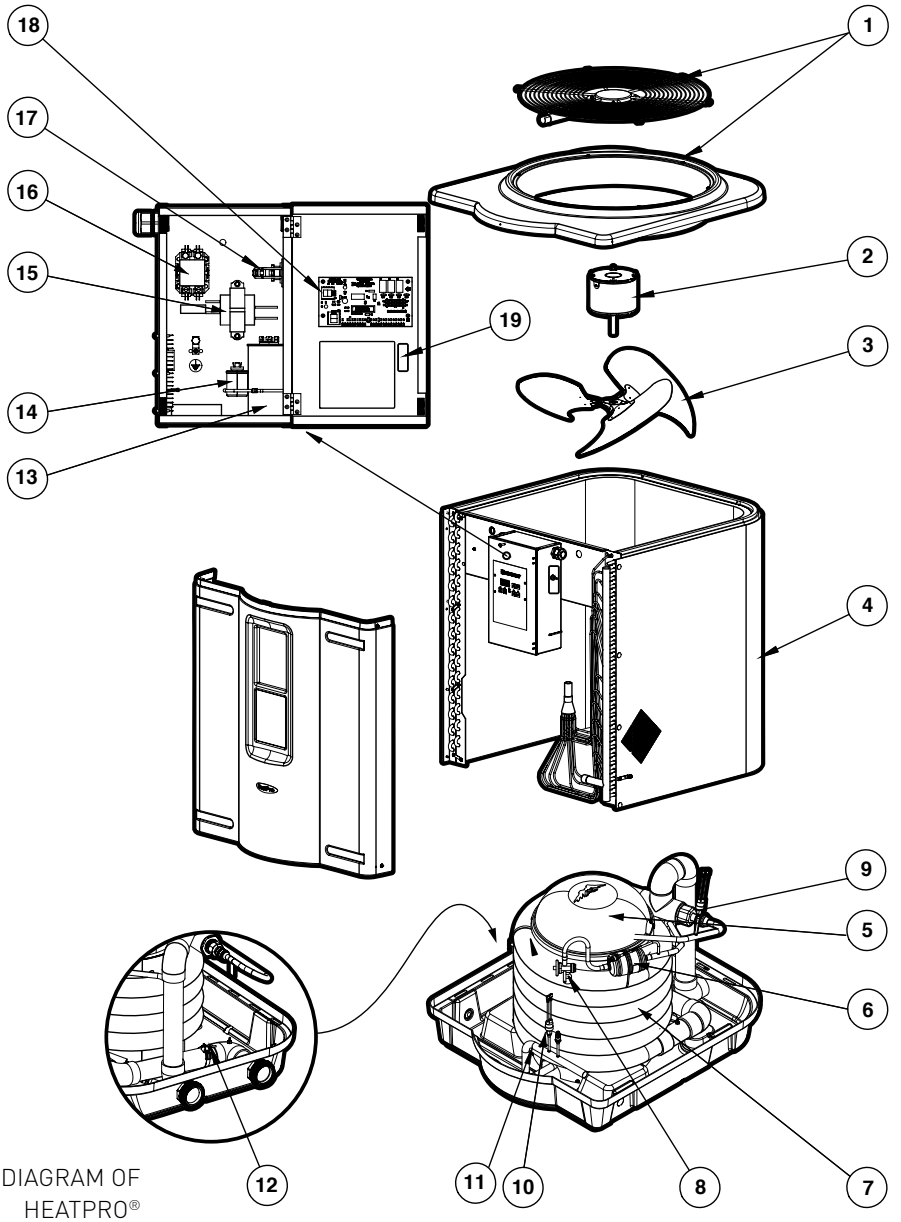
EXPLODED DIAGRAM OF UNIVERSAL H-SERIES ASME HEATER

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	DRAWING NUMBER
UNIVERSAL H-SERIES ASME HEATERS				
FDXLJKT1250A	Jacket Top, Gray, ASME - H250FD	$183.74	0610377135658	1
FDXLJKT1400A	Jacket Top, Gray, ASME - H400FD	$208.83	0610377135641	1
FDXLTFC1250A	Top Flue Cover, Gray, ASME - H250FD	$87.85	0610377135672	2
FDXLTFC1400A	Top Flue Cover, Gray, ASME - H400FD	$104.57	0610377135665	2
FDXLFAD1250A*	Front Door Assembly, Gray, ASME - H250FD	$181.05	0610377135535	3
FDXLFAT1251A**	Front Door Assembly, Gray, ASME - H250FD			
FDXLFAD1400A*	Front Door Assembly, Gray, ASME - H400FD	$160.91	0610377135528	3
FDXLFAT1401A**	Front Door Assembly, Gray, ASME - H400FD			
FDXLRAD1250A+	Rear Door Assembly, Gray, ASME - H250FD	$123.31	0610377135634	4
FDXLRAD1400A	Rear Door Assembly, Gray, ASME - H400FD	$137.59	0610377135627	4
FDXLTFP1250A+	Top Front Panel, Gray, ASME - H250FD	$87.68	0610377135719	5
FDXLTFP1251A++	Top Front Panel, Gray, ASME - H250FD			
FDXLTFP1400A+	Top Front Panel, Gray, ASME - H400FD	$100.56	0610377135702	5
FDXLTFP1401A++	Top Front Panel, Gray, ASME - H400FD			
FDXLBEC1930	Upper & Lower End Cap	$89.11	0610377072557	6
FDXBLTP1930	Left & Right Trim Panel Kit	$83.74	0610377072571	8
FDXLPLRC1930	Kit - Junction Box Cover, Polymer L&R	$38.14	0610377297608	10
FDXLPBL1930	Base Leg	$40.36	0610377072618	11
FDXLFCS1930	Flue Collector Side Panel	$66.29	0610377072625	12
FDXLRGK1251	Rain Guard Assembly - H250FD	$190.06	0610377132435	13
FDXLRGK1401	Rain Guard Assembly - H400FD	$190.06	0610377132466	13
FDXLHBP1250	Heat Barrier Panel - H250FD	$93.89	0610377072663	14
FDXLHBP1400	Heat Barrier Panel - H400FD	$99.06	0610377072687	14
FDXLIAC1930	Ignitor Access Cover	$30.11	0610377072724	16
FDXLGSV0001	Gas Valve, Natural Gas	$249.23	0610377072748	18
FDXLGSV0002	Gas Valve, Propane Gas	$249.23	0610377072755	18
FDXLBON1930	Burner Orifice Kit, Natural Gas	$41.12	0610377072786	20
FDXLBOP1930	Burner Orifice Kit, Propane Gas	$41.12	0610377072793	20
FDXLGCK1250NP	Conversion Kit, NA to LP, Quick-Change - H250FD	$178.54	0610377137782	21
FDXLGCK1250PN	Conversion Kit, LP to NA, Quick-Change - H250FD	$178.54	0610377137799	21
FDXLGCK1400NP	Conversion Kit, NA to LP, Quick-Change - H400FD	$181.15	0610377137720	21
FDXLGCK1400PN	Conversion Kit, LP to NA, Quick-Change - H400FD	$181.15	0610377137737	21
FDXLBWR1930	Combustion Blower	$236.45	0610377072847	23
FDXLBVS1930	Blower Vacuum Switch	$33.76	0610377079907	24

** Used only on heaters made after July 2013, Serial #21131307100333001
+ Used only on heaters made before Nov 2014, Serial #21131411103613001
++ Used only on heaters made after Nov 2014, Serial #21131411103613001

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	DRAWING NUMBER
UNIVERSAL H-SERIES ASME HEATERS, CONTINUED				
FDXLICB1930	Integrated Control Board	$331.47	0610377072854	25
FDXLFWP1930	Field Wiring Panel	$71.31	0610377072861	26
FDXLIGN1930	Ignitor	$84.19	0610377072878	27
IDXLFLS1930	Flame Sensor	$61.88	0610377625968	28
IDXL2TRF1930	Transformer	$120.21	0610377854443	29
FDXLWPS1930	Water Pressure Switch	$35.04	0610377074230	30
IDXL2DB1930	Display Board Only	$291.02	0610377896740	31
FDXLBKP1931	Bezel and Keypad Assembly, ASME	$126.71	0610377072908	32
UHXLOK1930	Control Bezel Lock-Out Kit	$60.70	0610377187084	—
FDXLHLI1930	High Limit 135°F	$54.81	0610377073783	33
FDXLTER1930	Thermistor	$40.43	0610377073790	34
FDXLGSK1932	Gasket, Bezel/Top	$27.63	0610377072946	35
FDXLGSK1934	Gasket, CC Front/Air Box - All Models	$57.30	0610377072960	36
FDXLHXA1250A	Heat Exchanger Assembly, ASME - H250FD	$3,099.64	0610377135610	37
FDXLHXA1400A	Heat Exchanger Assembly, ASME - H400FD	$3,335.40	0610377135603	37
FDXLDRV1930A	Drain Valve, ASME	$31.17	0610377135818	47
CHXRLV1930	Pressure Relief Valve	$66.63	0610377003179	48
FDXLBRN1930	Burner (Qty 8)	$302.00	0610377072762	—
FDXLBRN1931	Burner (Qty 1)			
FDXLFSK1930	Fuse Service Kit	$31.99	0610377072915	—
FDXLFSKF30	Fuse Kit, 3.0A, for Field Wiring Panel (Qty of 10)	$42.92	0610377123105	—
FDXLFSKF15	Fuse Kit, 1.5A, for Field Wiring Panel (Qty of 10)	$21.79	0610377123129	—
FDXLFSKF25	Fuse Kit, 2.5A, for Field Wiring Panel (Qty of 10)	$21.79	0610377123112	—
FDXLFSKC30	Fuse Kit, 3.0A, for Integrated Control Board (Qty of 10)	$42.92	0610377123136	—
FDXLUNK1930A	ASME Union Flange Kit (Includes Flange Fittings, Bolts, Gaskets)	$108.34	0610377135801	—
FDXLGSK1930	Gasket Kit - Air Side - All Models *Includes:* » Gasket, Blower Mounting » Gasket, Cover/Air Box Front » Gasket, Manifold/Air Box	$62.37	0610377072922	—
FDXLGSK1931	Gasket Kit - Exhaust Side - All Models *Includes:* » Gasket, Flue Collector Side » Gasket, Rain Guard Side » Gasket, Rain Guard Bottom Side » Gasket, Flue Collector Top » Gasket, Rain Guard Front and Rear » Gasket, Rain Guard Bottom Front and Rear	$118.44	0610377072939	—
FDXLGSK1933	Insulation, Return Side Tube Sheet	$30.70	0610377072953	—
FDXLTDK1930	Tie-Down Kit	$61.34	0610377072977	—
FDXLWHA1930	Wiring Harness Kit Complete	$172.58	0610377110730	—
FDXLVSJ1930	Voltage Selector Jumpers	$42.67	0610377119870	—
FDXLCNK0001	Conversion Kit - NA to LP	$192.21	0610377080095	—
FDXLCNK0002	Conversion Kit - LP to NA	$192.21	0610377080101	—
FDXLHAK1930	Conversion Kit, All Models, High-Altitude 2,000-10,100'	$121.39	0610377104326	—
UHXNEGVT12506	6" Negative Pressure Indoor Vent Kit	$301.53	0610377396318	—
UHXNEGVT14008	8" Negative Pressure Indoor Vent Kit	$353.98	0610377396288	—
UHXNEGVT15008	8" Negative Pressure Indoor Vent Kit	$462.57	0610377396356	—
UHXDVA004	4" Duravent Positive Pressure Appliance Adapter	$440.36	0610377396608	—
UHXDVA006	6" Duravent Positive Pressure Appliance Adapter	$476.04	0610377396615	—
UHXHFA004	4" HeatFab Positive Pressure Appliance Adapter	$508.93	0610377396622	—
UHXHFA006	6" HeatFab Positive Pressure Appliance Adapter	$380.15	0610377396639	
UHXPOSHZ12504	4" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)	$687.37	0610377396363	
UHXPOSHZ12506	6" Positive Pressure Indoor Vent Kit (Includes 6" HeatFab Appliance Adaptor)	$637.86	0610377396240	
UHXPOSHZ14006	6" Positive Pressure Indoor Vent Kit (No Appliance Adapter Included)	$711.33	0610377396387	
UHXPOSHZ14008	8" Positive Pressure Indoor Vent Kit (Includes 8" HeatFab Appliance Adaptor)	$732.80	0610377396219	—
UHXPOSHZ15006	6" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)	$847.05	0610377396394	—
UHXTFP1930	Temp/Pressure and Flow Switch Kit	$867.79	0610377234276	—
UHXFSW1930	Flow Switch Only	$533.52	0610377234443	—

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	DRAWING NUMBER
H500 GAS HEATER				
FDXLTFC1500A	Top Flue Cover, Gray, ASME - H500FD	$47.49	0610377274500	1
FDXLTFP1501A	Top & Front Panel H500FD	$45.68	0610377282475	1
FDXLRGK1500	Kit - Rainguard Assembly H500FD	$85.94	0610377277488	1
FDXLJKT1500A	Jacket Top, Gray, ASME - H500FD	$94.89	0610377274494	1
FDXLHXA1500A	Heat Exch Assembly - H500FD ASME	$1,528.02	0610377277587	1
FDXLHBP1500	Heat Barrier Pnl Kit H500FD	$44.79	0610377277495	1
FDXLGCK1500NP	Conversion Kit, NA to LP, Quick Change, H500	$85.04	0610377277549	1
FDXLGCK1500PN	Conversion Kit, NA to LP, Quick Change, H500	$238.92	0610377277556	1
FDXLGSV1500N	Gas Valve, Natural Gas	$238.51	0610377294775	10
FDXLGSV1500P	Gas Valve, Propane Gas	$105.53	0610377294782	10
FDXLFAD1500A	Front Door Assembly 500ASME	$87.02	0610377277433	1
FDXLBWR1500	Combustion Blower - H500FD	$106.90	0610377277563	1
FDXLBCP1500	Kit - Bezel Control Panel, 500	$100.47	0610377330978	1
FDXLBON1500	Kit - Gas Orifice, NA, (Pk 10) H500FDN	$16.30	0610377282512	25
FDXLBOP1500	Kit - Gas Orifice, LP, (Pk 10) H500FDP	$16.30	0610377282529	25

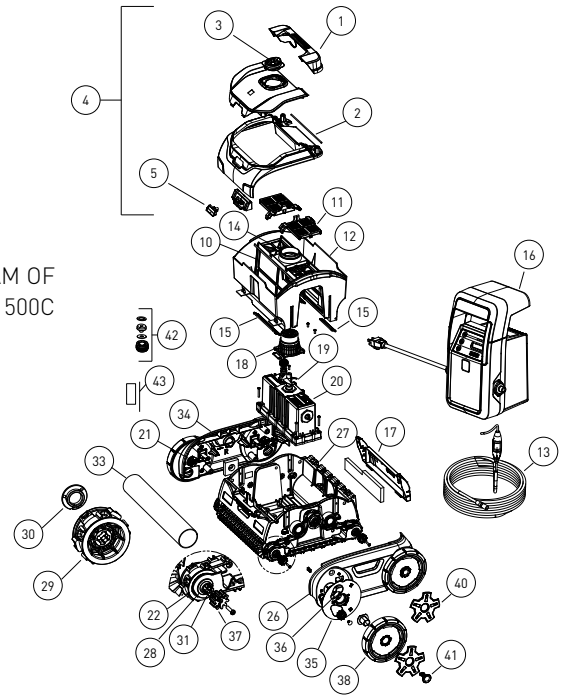


EXPLODED DIAGRAM OF HEATPRO®

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	DRAWING NUMBER	CARTON QTY
SMX309077011	Top Panel — Taupe with Guard	$114.30	0627818000192	1	1
SMX300055036	Fan Motor	$268.29	0859127001434	2	1
SMX303140003	Fan Blade	$249.90	0859127001632	3	1
SMX305099004	Evaporator for HP21404T, HP21404TC	$4,017.65	0859127001755	4	1
SMX24024408	Evaporator for HP21254T, HP21124T	$2,511.96	0610377134903		1
SMX24024414	Evaporator for HP21004T	$1,977.94	0610377134897		1
SMX11017204	Compressor for HP21004T prior to serial number 21131501105230001	$1,839.88	0610377208536	5	1
SMX301150010	Compressor for HP21124T prior to serial number 21131501102140001	$2,677.35	0859127001540		1
SMX11024201	Compressor for HP21254T prior to serial number 21131405101250001	$2,870.40	0610377132732		1
SMX11024201	Compressor for HP21404T prior to serial number 21131404105240001	$2,870.40	0610377132732		1
SMX11012751	Compressor for HP21004T after serial number 21131501105230001	$1,865.76	0610377290340		1
SMX11012753	Compressor for HP21124T after senal number 21131501102140001	$1,865.76	0610377290364		1
SMX11012755	Compressor for HP21254T after serial number 21131405101250001	$1,865.76	0610377290760		1
SMX11012755	Compressor for HP21404T after serial number 21131404105240001	$1,865.76	0610377290760		1
SMX10024715	Compressor Plug (not shown) for HP21004T prior to serial number 21131501105230001	$47.13	0610377133210		1
SMX10024715	Compressor Plug (not shown) for HP21124T prior to serial number 21131501102140001	$47.13	0610377133210		1
SMX10024715	Compressor Plug (not shown) for HP21254T prior to serial number 21131405101250001	$47.13	0610377133210		1
SMX10024715	Compressor Plug (not shown) for HP21404T prior to serial number 21131404 105240001	$47.13	0610377133210		1
SMX10022329	Compressor Plug (not shown) for HP21004T after senal number 21131501105230001	$50.43	0610377290791		5
SMX10022329	Compressor Plug (not shown) for HP21124T after serial number 21131501102140001	$50.43	0610377290791		5
SMX10022329	Compressor Plug (not shown) for HP21254T after serial number 21131405101250001	$50.43	0610377290791		5
SMX10022329	Compressor Plug (not shown) for HP21404T after serial number 21131404105240001	$50.43	0610377290791		5
HPX1462	Filter – Drier for all	$93.10	0610377829076	6	1
SMX24024864	Heat-Exchanger for HP21404T	$2,278.21	0610377133128	7	1
SMX24022372	Heat Exchanger for HP21004T	$1,977.62	0610377294836		1
SMX24024509	Heat Exchanger for HP21124T prior to senal number 21131708100361001	$1,977.62	0610377133050		1
SMX2401347101	Heat Exchanger for HP21124T after senal number 21131708100361001	$2,411.06	0610377391207		1
SMX15024595	Thermal Expansion Valve (TXV) for HP21004T prior to serial number 21131501105230001	$146.70	0610377132688	8	1
SMX15024595	Thermal Expansion Valve (TXV) for HP21124T prior to serial number 21131501102140001	$146.70	0610377132688		1
SMX15012865	Thermal Expansion Valve (TXV) for HP21004T after serial number 21131501105230001	$146.70	0610377329699		10
SMX15022368	Thermal Expansion Valve (TXV) for HP21124T after serial number 21131501102140001	$265.83	0610377329705		10
SMX15024595	Thermal Expansion Valve (TXV) for HP212541 after serial number 21131405101250001	$146.70	0610377132688		1
SMX15024916	Thermal Expansion Valve (TXV) for HP21404T after serial number 21131404105240001	$146.70	0610377132718		1
HPX11024258	High Pressure Switch	$59.81	0610377127943	9	10
HPX11024259	Low Pressure Switch	$63.97	0610377127950	10	10
SMX306000023	Defrost Sensor	$38.09	0859127001847	11	10
SMX306000024	Water Temperature Sensor for HP21404T, HP21004T, HP21254T and HP21124T	$38.09	0859127001854	12	25
SMX11022320	Compressor Run Capacitor	$51.56	0610377256124	13	6
HPX11024151	Fan Capacitor	$26.42	0610377096959	14	6
HPX11023693	Transformer	$51.12	0610377909464	15	1
HPX1985	Contactor	$72.15	0610377807029	16	5
HPX2181	Water Pressure Switch	$60.79	0610377807098	17	10
SMX306000016	Control Board for HP21404T, HP21004T, HP21124T and HP21254T	$371.27	0859127001830	18	20
SMX1101191101	Master On/Off Switch	$20.81	0610377339919	19	50
SMX14024927	Consumer Kit	$47.77	0610377134545	--	2

Commercial Cleaners

EXPLODED DIAGRAM OF
AQUAVAC® 500C



PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	DRAWING NUMBER	CARTON QTY
AQUAVAC 500C COMMERCIAL ROBOTIC CLEANER					
RCX341203OR	Handle Assembly - Orange	$33.59	0610377267991	1	1
RCXHD2AAV500C	Hood Assembly - Gray 2, AV500C	$149.63	0610377273152	4	1
RCX341205GR4	Button Assembly - Gray 4	$16.03	0610377268073	5	5
RCX70101PAK2	Filter Cartridges (Set of 2)	$64.29	0610377268332	10	5
RCX70103PAK2	Spring Cleanup Cartridges (Set of 2)	$21.25	0610377268349	10	10
RCX97417	Filter Door	$7.58	0610377107372	11	10
RCX97414	Filter Bucket	$77.88	0610377107358	12	1
RCX341190A	75 ft Cord Assembly with Swivel	$467.47	0610377271028	13	1
RCX97417SPAK2	Filter Door Element (Set of 2)	$7.46	0610377243193	14	10
RCX974057KIT	Drain Flap Kit	$17.01	0610377268363	15	5
RCX341161A	Power Supply	$576.60	0610377268387	16	1
RCX341103GR4	Rear Panel - Gray 4	$19.40	0610377268455	17	5
RCX97455	Turbine Vent	$6.01	0610377107570	18	10
RCX11000	Impeller - AquaVac	$11.89	0610377270991	19	10
RCX341195	Motor Assembly	$612.15	0610377268479	20	1
RCX341111PAK2	Wheel Hub Kit (Set of 2)	$5.12	0610377268486	21	5
RCX97505PAK2	Drive Track Wheel Kit (Set of 2)	$14.82	0610377268493	22	5
RCX26000PAK2	Pulley Bearing Kit (Set of 2)	$21.30	0610377268509	23	5
RCX97502KIT	Drive Shaft & Bearing Kit	$58.50	0610377268516	24	5
RCX97501GR	Belt Drive Track	$26.89	0610377198233	25	5
RCX341101GR4	Left Side Cover - Gray 4	$28.51	0610377268561	26	1
RCX341142GR	Cleaner Base	$76.38	0610377268585	27	1
RCX97506PAK2	Roller Bushing Kit (Set of 2)	$25.29	0610377268592	28	5
RCX97509PAK2	Drive Wheel Kit (Set of 2)	$42.11	0610377268608	29	5
RCX97435PAK2	Roller Shaft Bushing Kit (Set of 2)	$10.17	0610377268615	30	5
RCX97507PAK2	Roller Wheel Shaft (Set of 2)	$12.34	0610377268622	31	5
RCX26008	Brush	$27.18	0610377061797	32	5
RCX97410	Tuve Wheel Assembly	$43.46	0610377107815	33	5
RCX341102GR4	Right Side Cover - Gray 4	$28.51	0610377268684	34	1
RCX341127GR4	Wheel Shield - Gray 4	$6.55	0610377268752	35	5
RCX341109PAK2	Wheel Bushing Kit (Set of 2)	$5.61	0610377268776	36	5
RCX341145KIT	Wheel Drive Gear Kit	$8.35	0610377268783	37	5
RCX341113GR4BK	Wheel Rim & Tire-Gray 4/Black	$41.98	0610377269100	38	5
RCX341206OR	Starfish Wheel Style - Orange	$4.04	0610377268905	40	10
RCX341112OR	Wheel Axle Plug - Orange (Set of 2)	$10.46	0610377268486	41	10
RCX59004KIT	Motor Cord Seal Kit	$10.49	0610377268981	42	5
RCX59002KIT	Motor Cord Connector Kit	$5.61	0610377268998	43	5

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
OTHER COMMERCIAL ROBOTIC CLEANERS				
RCXP1225L	Rod - Tie, Filter	$23.88	0610377062787	10
RCXP2300	Impeller - Prince, Six Blades	$18.94	0610377062374	10
RCXP230015	Impeller - 6 Blades (Qty of 15)	$80.05	0610377131315	1
RCXP4060	Rotor Shaft Leeson, KS	$273.63	0610377069496	5
RCXR10ZZ	Bearing, Metal Caddy and HH	$21.67	0610377062800	10
RCX11000	Impeller	$11.89	0610377062015	10
RCX1102A	Collar - Drive MS, MS2, KS	$15.24	0610377064217	10
RCX1104A	Impeller - Only Flex MS, MS2	$15.24	0610377062848	10
RCX1114A	Button - Wheel, MS, MS2, KS, KS2	$3.82	0610377062732	1
RCX11206L	Kit - Restrictor Plate, TS, EX	$18.00	0610377061971	10
RCX11207	Plate - Restrictor, New Style	$9.58	0610377101264	5
RCX11208	Assembly - Venturi, New Style	$25.29	0610377096645	10
RCX11209	Restrictor - Tube Insert	$8.82	0610377101295	5
RCX11400	Clip - Lid (Qty of 2)	$4.73	0610377062527	10
RCX12000	Screw - M2.9 x 13 Flat (Qty of 5)	$3.96	0610377064699	10
RCX12001	Screw - M4 x 12 Pan (Qty of 5)	$3.67	0610377064149	10
RCX12002	Screw - M4 x 12 Flat (Qty of 5)	$3.74	0610377062916	10
RCX12008	Screw - M2.9 x 12 Pan (Qty of 5)	$3.79	0610377064163	10
RCX12009	Screw - M2.9 x 8 Pan (Qty of 5)	$3.69	0610377062855	10
RCX12011	Screw - MS x 20 Pan (Qty of 5)	$4.88	0610377062459	10
RCX1206	Spring - Sensor Slide, MS, MS2, KS	$22.04	0610377063487	10
RCX12100	Spring - Handle Latch	$3.25	0610377064224	10
RCX12101	Spring - Bottom Lid	$3.30	0610377064323	1
RCX12102	Spring - Retainer	$4.04	0610377064385	1
RCX12301	Connector - Plastic Washer	$2.91	0610377063456	10
RCX12302	Washer - Plastic Connector	$2.91	0610377062992	10
RCX13001	Assembly - Outer Casing TS	$101.05	0610377067188	1
RCX13002	Assembly - Outer Casing TS2	$130.48	0610377083188	1
RCX13004	Casing - Outer Assembly, QuickClean	$87.12	0610377101349	1
RCX13007	Asst - Outer Case, Gray on Gray	$98.15	0610377096454	1
RCX1303	Hood - Gray, MS, MS2, KS	$63.95	0610377064866	10
RCX1307V	Belt - Drive, Short MS, MS2, KS	$36.34	0610377062817	10
RCX13150	Assembly - Side Cover	$30.63	0610377065542	1
RCX13200	Cover Side	$15.96	0610377061995	5
RCX1308CY	Hood - Cyan Color MS2 (New)	$108.29	0610377148030	1
RCX1308BL	Hood - Blue Color KS (New)	$108.29	0610377148023	1
RCX14000	Handle - Arm Slide	$4.85	0610377063678	10
RCX14100	Latch - Handle	$5.84	0610377064774	1
RCX1506	Bag - Adapter, MS2	$18.42	0610377065184	10
RCX1507	Bag - Leaf w/Header	$32.38	0610377064880	10
RCX1508	Bag - Sand and Silt, w/Header	$31.22	0610377064132	10
RCX1510	Foam - Guide - Rope, 16/3	$33.61	0610377062152	1
RCX1511	Foam - Clamp Motor, 16/3	$4.88	0610377064422	1
RCX1600A	Plate Wheel, Inside MS, MS2, KS	$20.29	0610377062268	10
RCX1600A25	Plate Wheel, Inside MS (Qty of 25)	$130.99	0610377131780	1
RCX1600L	Assembly - Drive Wheel, Left, MS, MS2, KS	$181.77	0610377063012	10
RCX1600R	Assembly - Drive Wheel, Right, MS, MS2, KS	$181.77	0610377063005	10
RCX1601	Plate - Outside Wheel, MS2, KS	$27.23	0610377062381	1
RCX160125	Plate - Outside Wheel, MS2 (Qty of 25)	$466.41	0610377131773	1
RCX1602	Gear - Set Wheel Planetary MS, MS2	$58.48	0610377063494	5
RCX1602B	Ring - Gear, MS, MS2, KS Wheel	$24.57	0610377063968	10
RCX1603	Gear - 1" Planet MS, MS2, KS Wheel	$8.47	0610377067249	10
RCX1604	Gear - 3" Sun MS, MS2, KS Wheel	$17.16	0610377067256	10
RCX1605	Washer - Wheel, Plastic M (Qty of 10)	$6.97	0610377062497	10
RCX1606	Lock Wheel Drive - Stud MS, MS2	$10.81	0610377061926	10
RCX1606A	Locknut - 10-24 Low Profile	$2.61	0610377062862	10
RCX160650	Lock Wheel Drive - Stud (Qty of 50)	$125.55	0610377131407	1
RCX1607A	Wheel - Piston, MS2, KS (Qty of 10)	$26.47	0610377064408	10
RCX1608	E-Clip - Drive Wheel, MS, MS2, KS	$5.79	0610377061803	10
RCX1608100	E-Clip - Drive Wheel, MS (Qty of 100)	$43.04	0610377131445	1
RCX1610A	Nut - #10-32 SS, MS, MS2, KS, KS2	$3.15	0610377062923	10
RCX1610B	Locknut - #10-32 SS, MS, MS2, KS	$3.59	0610377062510	10
RCX1610B82	Nut - Slotted Head, #10-32 SS, MS	$8.15	0610377062763	10
RCX17000	Inlet High Velocity	$9.31	0610377062084	10
RCX170089	Base - Plate NS, MS, MS2, KS	$66.46	0610377064835	10

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
COMMERCIAL ROBOTIC CLEANERS, CONTINUED				
RCX1701	Cable Assembly, w/Instructions, MS2	$15.68	0610377061889	10
RCX1702	Wheel Front - V, MS, MS2, KS	$17.61	0610377061940	10
RCX1702A	Ring - Snap, 3/8", MS, MS2, KS	$3.55	0610377062411	10
RCX170225	Wheel Front - V, MS2, KS (Qty of 25)	$146.21	0610377131346	1
RCX1703	Arm Reversing - MS, MS2, KS	$14.85	0610377061964	10
RCX1703B	Washer - #10, SS, INT. ST (Qty of 10)	$2.76	0610377063883	10
RCX1703D	Pin Cotter - Hair 1/8 Shaft	$7.31	0610377061827	10
RCX170325	Arm Reversing - MS2, KS (Qty of 25)	$92.58	0610377131353	1
RCX1705	Arm - Adjusting, MS, MS2, KS	$15.54	0610377062367	10
RCX170525	Arm - Adjusting, MS2, KS (Qty of 25)	$180.90	0610377131360	1
RCX1707	Slide - Sensor Bar, MS, MS2, KS	$14.01	0610377061834	10
RCX170725	Slide - Sensor Bar, MS2, KS (Qty of 25)	$188.00	0610377131377	1
RCX1710	Sensor Bar - Bumpers, MS, MS2	$42.20	0610377061988	10
RCX17100	Flap - Drain, TS	$10.24	0610377063821	10
RCX1711	Blade - Intake, MS, MS2, KS	$5.66	0610377062343	10
RCX1712	Holder - Intake Blade MS, MS2, KS	$11.94	0610377064316	10
RCX1714	Guide - Pin Assembly, MS, MS2, KS, KS2	$18.44	0610377062060	10
RCX1714A	Pin - Sleeve-Guide, MS2 (Qty of 10)	$37.94	0610377062121	10
RCX1714C	Bolt - #10-32 x 1-1/2" (Qty of 10)	$6.72	0610377063944	10
RCX1715A	Screw - #10-32 x 1/2" Slot Pan SS	$3.89	0610377064255	10
RCX1717	Sensor - Bar, MS DC (New)	$89.33	0610377109031	1
RCX1719	Slide - Sensor Bar (Qty of 2) (New)	$17.65	0610377109048	1
RCX1721	Axle - Front, MS, MS2, KS	$25.53	0610377064736	10
RCX1722	Nut - Adjusting Arm, MS, MS2, KS	$7.39	0610377063852	10
RCX1800F	Gearbox - Flex, MS, MS2, KS	$497.53	0610377063555	1
RCX1801	Housing - Gear Box	$37.99	0610377067300	1
RCX1802B	Washer - #8 Flat SS, MS, MS2, KS	$4.68	0610377064750	10
RCX1806	Gear - Worm, Steel, MS2, KS	$85.29	0610377068253	1
RCX1808	Bolt - 1/4-20 x 1-1/4" Hex Head	$5.81	0610377064170	10
RCX1809	Screw - #8-32 x 3/4" Slot Round Head SS	$3.05	0610377064668	1
RCX1811A	Seal - Ceramic, w/ Rubber Washer	$20.51	0610377068277	1
RCX1811B	Washer - 5/8 x 1-3/16" x .06 (Qty of 10)	$4.92	0610377061919	10
RCX1811D	Washer - 5/8 x 1-3/16" x .020	$7.26	0610377101622	10
RCX1811E	Seal - Double Lip Wave	$60.06	0610377068284	10
RCX1811E25	Seal - Double Lip Wave (Qty of 25)	$294.91	0610377131766	1
RCX1812E	Shaft - Worm Drive, Wave Seal Flex	$27.45	0610377068321	10
RCX1812G	Assembly - Worm Drive, Flex	$147.27	0610377068338	1
RCX1814A	Axle - Drive, MS2, KS	$104.67	0610377068352	10
RCX1814B	Gear - Bronze, MS2, KS	$196.57	0610377068369	1
RCX1814C	Washer - 7/16" Flat SS, MS, MS2	$1.95	0610377061865	10
RCX1814D	Ring - Snap, 1/2", MS (Qty of 10)	$22.21	0610377062756	10
RCX1818A	Plug - Brass Pipe, Square Head 1/8"	$10.37	0610377068376	10
RCX2101	Assembly - Impeller Drive Collar, Lo-Volt	$45.72	0610377069564	10
RCX2102	Collar - Drive, KS2, KS2 Plus	$25.34	0610377069588	10
RCX2102A	Assembly - Impeller Drive Collar, KS2	$48.38	0610377069601	10
RCX2103	Impeller, KS2, KS2 Plus	$17.01	0610377069625	10
RCX2103A	Ring - Impeller Retaining	$5.66	0610377065207	10
RCX2106	Assembly - Gearbox Roller, KS2, KS2 Plus	$289.10	0610377069663	10
RCX2106E	Gearbox - Roller w/End Caps, KS2	$155.40	0610377069687	10
RCX2107A	Washer - 5/16", Split Lock SS	$3.15	0610377101660	10
RCX2108	Key - Drive Wheel, KS2, KS2 Plus	$9.48	0610377069694	10
RCX2111	Shaft - Worm, Coupling, KS2, KS2 Plus	$202.65	0610377069717	1
RCX2111A	Snap Ring - 5/8" Waldes, KS	$7.02	0610377069724	1
RCX2111B	Plate - Seal Cover, KS2, KS2 Plus	$15.66	0610377069748	10
RCX2113	Gear - Bronze, KS2, KS2 Plus	$302.81	0610377069779	1
RCX2114	Assembly - Drive Shaft and Gear KS2, KS	$434.52	0610377069786	1
RCX2121B	Bolt - 1/4 - 20 x 3/4" HE (Qty of 10)	$5.29	0610377069830	10
RCX2121C	Screw - 1/4 - 20 Flat MHS Slot KS2	$4.36	0610377069847	10
RCX2121E	Washer - 5/16" Flat SS	$3.08	0610377069861	10
RCX2121F	Screw - 1/4 - 20 x 5/8" (Qty of 10)	$4.73	0610377069878	10
RCX2123B	Adapter - Drive Axle Seal	$6.43	0610377069892	1
RCX2125	Coupling - Worm Shaft, Motor	$46.86	0610377069915	10
RCX2126A	Screw - #10-32 x 3/4" Round Head SS	$4.16	0610377069946	10

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
COMMERCIAL ROBOTIC CLEANERS, CONTINUED				
RCX2140L	Assembly - Solenoid, Left	$280.33	0610377069977	1
RCX2140R	Assembly - Solenoid, Right	$280.33	0610377069991	1
RCX2143	Solenoid - Complete, Enclosed	$148.92	0610377070010	1
RCX2145L	Hook - Wheel Locking, LC	$47.52	0610377070058	10
RCX2145R	Hook - Wheel Locking, RC	$47.52	0610377070065	10
RCX2146	Screw - #10-32 x 1/2" Slot Flat	$2.98	0610377070089	10
RCX2147	Pin - Hinge	$5.12	0610377070102	1
RCX2201C81	Base - Front Axle, NS, KS2, KS2 Plus	$596.10	0610377070140	1
RCX2202V	Wheel - Front, V, KS2	$17.61	0610377070133	10
RCX2202V50	Wheel - Front, V, KS2 (Qty of 50)	$312.66	0610377131414	1
RCX2203	Arm - Reversing, Left or Right, KS2	$15.68	0610377070096	10
RCX220340	Arm - Reversing, Left or Right (Qty of 40)	$398.62	0610377131391	1
RCX2204C	Washer - 10 Flat SS, Q, P, K, C, T	$2.95	0610377061780	100
RCX2204C200	Washer - 10 Flat SS, MS2 (Qty of 200)	$16.69	0610377131452	1
RCX2206	Arm - Adjusting, Polished, KS2 Plus	$80.12	0610377070072	10
RCX2207L	Spring - Long, SS, K	$2.76	0610377070034	10
RCX221281	Assembly - Cable, 16-1/2" Long, KS2	$70.74	0610377069731	10
RCX22128120	Assembly - Cable, 16-1/2" Long, KS2 (Qty of 20)	$1,532.71	0610377131322	5
RCX2219A	Ring - 1/4," Snap, WALD (Qty of 10)	$17.58	0610377069649	10
RCX2220B	Washer - 1/4 x 5/8," Flat, SS (Qty of 10)	$3.05	0610377069571	10
RCX2225	Stabilizer - Intake, NS, KS2	$27.06	0610377069472	10
RCX2226	Manifold - Intake, KS2	$36.59	0610377069441	1
RCX2226A	Wire - Intake, Baffle, KS2	$14.65	0610377069427	10
RCX23002	Drive Track - Soft Tread	$36.66	0610377061810	5
RCX2302A	Screw, 1/4 - 20 x 5/8" (Qty of 10)	$5.07	0610377064156	10
RCX2303V	Belt - Drive, KS2	$71.04	0610377069342	10
RCX2303V10	Belt - Drive, KS2 (Qty of 10)	$226.68	0610377131285	1
RCX2304L	Pin - 4," K Stanchion, KS2	$65.08	0610377069328	10
RCX2305	Pin - Idler, Telescoping, KS2	$40.28	0610377069304	10
RCX2306	Idler - Roller, KS2	$9.82	0610377067928	10
RCX230620	Idler - Roller, KS2 (Qty of 20)	$82.36	0610377131339	1
RCX2307	Spring - Stanchion, KS2	$3.15	0610377067935	10
RCX2308	Pin - Cotter, 3-32 x 1/2" (Qty of 10)	$3.37	0610377067942	10
RCX2310	Roller - Support, Bottom, KS2	$10.81	0610377067959	10
RCX231001	Roller - Side Support, Bottom	$10.81	0610377067966	10
RCX2311S	Axle - Roller, Support, Short, KS2	$17.65	0610377067997	10
RCX2312	Handle - Floating, KS2	$21.25	0610377068000	10
RCX2314	Rope - 5,' Handle, Floating	$14.85	0610377068017	1
RCX2317	Guide - Roller, Side Belt, KS2	$10.81	0610377068031	10
RCX2317A	Bushing - Oiless, Bronze, KS2	$17.21	0610377068048	10
RCX2504B	Adapter - PVC, Leaf Bag, O/S, KS2	$57.15	0610377068062	1
RCX2505	Bag - Filter, KS2	$90.14	0610377068079	10
RCX2600	Plate - Wheel, Inside, KS2	$19.82	0610377068086	10
RCX26001	Roller - Bearing Guide	$31.86	0610377062039	10
RCX26002	Assembly - Drive Bearing Pulley	$32.13	0610377061841	10
RCX260025	Plate - Wheel, Inside, KS2 (Qty of 25)	$284.86	0610377131742	1
RCX26003	Assembly - Wheel Tube w/o Brush	$64.24	0610377062954	5
RCX26008	Brush - Roller, Clear, TS	$27.18	0610377061797	5
RCX2601RL	Plate - Wheel, Outside, Left or Right	$32.77	0610377068109	1
RCX2601RL25	Plate - Wheel, Outside, Left or Right (Qty of 25)	$548.08	0610377131759	1
RCX26012	Foam Roller Assembly	$67.02	0610377121774	5
RCX2602	Set - Gear, Finished, KS2	$93.94	0610377068116	25
RCX2602B	Gear - Ring, Finished, KS2	$29.42	0610377068123	10
RCX2603	Gear - 1-1/4," Planetary, K	$14.31	0610377068130	10
RCX2604	Gear - 4," Sun, K	$25.39	0610377068147	10
RCX2605	Washer - Wheel, Inside, KS2 (Qty of 10)	$9.68	0610377068154	10
RCX2606	Lock - Wheel, Drive, Current, KS2	$14.16	0610377068161	10
RCX2606A	Screw - #10-32 x 1", Slot Round Head, SS	$3.32	0610377068178	10
RCX260650	Lock - Wheel, Drive, Current (Qty of 50)	$349.45	0610377131421	1
RCX2608L	Wheel - Drive, Left, KS2	$213.31	0610377068185	10
RCX2608R	Wheel - Drive, Right, KS2	$213.31	0610377068192	10
RCX97453	Assembly - Power Supply, 115 VDC	$337.31	0610377064200	1

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
COMMERCIAL ROBOTIC CLEANERS, CONTINUED				
RCX30000RC	Power Supply - Remote, TS 110V	$588.78	0610377065559	1
RCX3050	Assembly - Harness, Wiring, Solenoid	$92.51	0610377068208	10
RCX31000RC	Power Supply Remote, TS 240V	$599.72	0610377068444	1
RCX3105P	Assembly - Gearbox, Plastic, KS2	$992.28	0610377068246	1
RCX3121	Housing - Pump, Screw Plate, KS2	$154.31	0610377069120	1
RCX3124P	Housing - Pump	$27.06	0610377069144	10
RCX3207	Housing - Bell, Plastic, KS2, KS2 Plus	$68.99	0610377069243	1
RCX3208	Slide - Bar, Sensor	$17.21	0610377069267	10
RCX3209	Nut - Lock, 1/4-20 Hex SS KS2	$3.25	0610377062930	10
RCX3210	Bar - Sensor, C LP	$64.51	0610377067416	10
RCX321010	Bar - Sensor, C LP (Qty of 10)	$179.35	0610377131292	1
RCX3211	Assembly - Bar, Sensor, C LP	$84.48	0610377067423	1
RCX3213	Rivet - Bar, Sensor	$2.73	0610377067430	10
RCX3309	Washer-Hood, LP C (Qty of 10)	$17.58	0610377067454	10
RCX3330	Handle - KS2	$29.52	0610377067485	1
RCX3350	Kit - Handle, KS2, KS2 Plus	$161.92	0610377067492	1
RCX3400	Assembly - Filter, C LP	$453.85	0610377067508	1
RCX340004	Assembly - Filter, KS2, Quick Release	$553.92	0610377067515	1
RCX3401	Intake - Filter Housing, KS2	$16.87	0610377067539	10
RCX3402	Screw - 4 x 3/8," Phil, Round Head, SS, K	$2.86	0610377067553	10
RCX3403	Baffle - Filter Housing, KS2	$7.04	0610377067560	10
RCX3405	Knob - Tie Rod, Filter, KS2	$11.84	0610377067577	10
RCX3406	Screw - SS #4 x 3/8" (Qty of 10)	$3.87	0610377063708	10
RCX3409	Housing - Filter, C LP	$153.57	0610377067584	1
RCX3416	Assembly - Back Plate, KS, KS2 Plus	$213.31	0610377067591	1
RCX3416QR	Assembly - Back Plate, Quick Release	$247.49	0610377067614	1
RCX341603	Assembly - Back Plate, KS, KS2 Plus	$213.31	0610377067607	1
RCX3422	Base - Release	$13.62	0610377067621	1
RCX3424	Screw - #10-32 x 1-1/4" Slot Flat	$4.53	0610377064903	1
RCX3431	Assembly - Stud, Retainer, Filter, KS2	$32.67	0610377067645	10
RCX3432	Assembly - Saddle, NS, C LP	$70.30	0610377067652	1
RCX3440	Assembly - Hook, Utility	$14.68	0610377070362	10
RCX3460	Assembly - Post, KS2, Quick Release	$56.29	0610377067669	10
RCX3470	Assembly - Handle, KS2, Quick Release	$86.16	0610377067676	10
RCX350K	Wheel - Cart, Caddy, KS2	$57.64	0610377067706	2
RCX350K10	Wheel - Cart, Caddy, KS2 (Qty of 10)	$239.11	0610377131308	1
RCX3500	Assembly - Bag, Leaf	$191.79	0610377067683	1
RCX351A	Nut - 1/4 - 20 Hex SS K, Q, P	$3.67	0610377064811	10
RCX97453QC	Supply - Power, 115V, QuickClean	$385.72	0610377065061	1
RCX97454QC	Power Supply QuickClean	$577.58	0610377083195	1
RCX360299	Box - Control, Intl, 240V, 50/60C, 360	$2,887.02	0610377067744	1
RCX3604	Remote - Wired, Intermatic	$579.75	0610377067751	1
RCX3650	Switch - Membrane, Commercial 13286	$69.56	0610377067812	1
RCX3700	Box - Control, Crdls, 110V/60, Remote	$2,760.90	0610377067829	1
RCX370104	Antenna - 416 Hex, KS2 Plus	$50.21	0610377067843	6
RCX373804	Assembly - Remote Control, KS2	$223.21	0610377065030	1
RCX373806	Remote Control KS2 + (433MHz)	$217.27	0610377096836	10
RCX3741	Board - PC Relay, KS2, Antex	$512.85	0610377067874	1
RCX3842	Receptacle - Female 8 Pin Control	$167.31	0610377066488	1
RCX3891	Assembly - Plug, Liquid Tite	$31.07	0610377066501	1
RCX390C	Zinc Plated Hub Cap 1/2"	$6.30	0610377066549	1
RCX40000D	Assembly - Motor Unit, 4 Hr	$916.64	0610377063395	1
RCX40000DC	Motor - Unit, 4 Hr DC Input	$556.85	0610377062022	1
RCX40000RC	Assembly - Motor Unit, Remote 4 Hr	$682.87	0610377064934	1
RCX400388	Motor - 3/4 Hp, 110/60, NS, Pl, KS2	$1,074.42	0610377066570	1
RCX4011	Motor - 3/4 Hp, Swivel, LP, 110/60	$1,111.06	0610377066587	1
RCX40117	Assembly - Drive Pin, for Drive Motor	$11.06	0610377062879	50
RCX4020	Motor - 3/4 Hp, Swivel, KS2, 110/60	$1,182.84	0610377066594	1
RCX40209	Assembly - Control - Remote, TS, TS2	$214.71	0610377065054	1
RCX40215	Remote - Hand Held	$214.71	0610377083348	10
RCX4022	Motor - Swivel, C, 240/50/60	$1,141.42	0610377066600	1
RCX41000D	Assembly - Motor Unit, 7 Hr	$925.55	0610377064781	1
RCX41000DC	Motor - Unit, 7 Hr DC Input	$556.85	0610377063838	1
RCX41000RC	Assembly - Remote Motor Unit 7 Hr	$695.99	0610377065566	1

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
COMMERCIAL ROBOTIC CLEANERS, CONTINUED				
RCX411882	Cap - End, Direct Wired Queen	$144.29	0610377102360	1
RCX411993	Cap - End, Motor, Swivel, KS2	$207.62	0610377066679	1
RCX413	Cord - 8/C, #16AWG, 20/3 Lo-Volt	$1,952.28	0610377066693	1
RCX4133	Assembly - Rotor Shaft, 1/2 Hp KS2	$269.52	0610377066754	1
RCX4148P82	Housing - Pump Plastic	$108.66	0610377064675	10
RCX4151A	Bearing - Nachi 6203-2, NSK	$13.64	0610377062978	10
RCX4157	O-ring - Seal, #160 Buna NS	$6.06	0610377068925	1
RCX4168	Washer - Pressure Plate	$8.67	0610377068932	10
RCX4169	Washer - Spring	$13.89	0610377068949	10
RCX417A1000	Cable - Foam, 16/3	$3,293.49	0610377066952	1
RCX4170D	Grommet - For Lo-Volt End Cap	$9.65	0610377068963	1
RCX4170D07	Grommet, Rubber Lo-Volt	$26.42	0610377096805	10
RCX4171D	Screw - 6-32 x 3/8" Pan Head Slot	$2.76	0610377064972	10
RCX417182	Capacitor - Start Up, MFD216, 259	$27.06	0610377066921	1
RCX4172A	Plate - Switch, Stationary Mec	$33.44	0610377068970	10
RCX4172C	Screw - Flat Head	$2.98	0610377065498	1
RCX4173	Spacer - Nylon, 1/4" Long (Qty of 10)	$6.03	0610377063616	10
RCX4181A82	Bolt, 10-32 x 3-1/4," Motor, NS, KS2	$19.72	0610377066983	1
RCX4187A	O-ring - #025 #568 Buna	$4.63	0610377065436	1
RCX4187B	Connector - Plate Plug	$6.13	0610377069007	10
RCX4188	Conductor - Socket Jones 3	$5.84	0610377062251	10
RCX418825	Conductor - Socket Jones 3 (Qty of 25)	$169.82	0610377131384	1
RCX4189	Cover - Plug, PI Motor	$8.05	0610377063586	10
RCX4189A	O-ring - 128 Buna, 586 NSPI MS2, KS	$3.79	0610377066990	10
RCX4190E	Switch - 60Hz Centrifugal	$26.74	0610377069014	1
RCX4190F	Switch - 50Hz Centrifugal	$35.26	0610377067010	10
RCX42000	Assembly - Solenoid, TS Remote	$183.47	0610377069038	1
RCX4208	Screw - 1/4-20 x 1-1/4" Slot RHMS	$4.24	0610377067072	10
RCX4209	Pad - Motor Rubber NS	$9.21	0610377063647	10
RCX43000	Motor Unit, 4 Hr DC QuickClean	$643.45	0610377064965	1
RCX4500B88	Motor - 1/3 Hp, 240/50/60 NSPI	$903.07	0610377069083	1
RCX5	Clamp - Cord for Motor KS, MS	$10.98	0610377065139	10
RCX50000A	Kit - Cord Changing, TG, Pinn	$15.49	0610377063425	10
RCX50060	Assembly - Power Cord, Floating 55' Old Style	$170.54	0610377069199	1
RCX50061	Assembly - Power Cord, Floating, 55'	$172.31	0610377062749	1
RCX50070	Assembly - Cord, 55,' Remote TS	$363.53	0610377065474	1
RCX50075	Assembly - Cord, 100,' TS2 Remote	$449.42	0610377065269	1
RCX505	Set - Cord, 55' MS2, NSP	$256.82	0610377065023	1
RCX507	Set - Cord, 100' KS, NSPI	$316.08	0610377063784	1
RCX508	Set - Cord, 75' MS2, NSP	$263.27	0610377064279	1
RCX510	Set - Cord, 150' KS2, NSPI	$515.63	0610377067362	1
RCX512	Set - Cord, Swivel, 150,' KS2	$573.10	0610377067379	1
RCX513	Set - Cord, Swivel, 150,' KS2 Plus	$1,217.31	0610377067393	1
RCX514	Set - Cord, 125,' KS, NSPI	$365.77	0610377065375	1
RCX56	Clamp - Hose, 3" #6356	$5.81	0610377063975	1
RCX59001	Connector - Cable, Float Cable Male	$38.93	0610377062480	10
RCX59002	Housing - Connector	$4.41	0610377062435	10
RCX59003	Seal - Compression	$6.70	0610377061858	10
RCX59004	Plug - Seal	$4.70	0610377062961	10
RCX59006	Connector - Socket Molex	$2.09	0610377062145	50
RCX59007	Plate - Cover, Strain Relief	$5.05	0610377063807	10
RCX59008	Connector - 4 Pin, Remote TS	$6.85	0610377065351	10
RCX5919	Plug - Electrical	$28.54	0610377063548	10

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
COMMERCIAL ROBOTIC CLEANERS, CONTINUED				
RCX5986	Housing - Male Plug, 50 Amp	$140.84	0610377065801	1
RCX616	Cord, 6C/16AWG DC Unit	$2,478.28	0610377131841	1
RCX6518	Motor - DC, 24V/30A	$986.45	0610377103350	1
RCX6923	Stator - 1/2 Hp 24/50/60 Leeson	$412.93	0610377069298	1
RCX70100	Assembly - Filter Cartridge	$97.06	0610377062046	1
RCX70102	Frame - Filter	$35.14	0610377063630	1
RCX70201	Set - Refill - Filter, Antimicrobial	$78.35	0610377096850	5
RCX75000	Assembly - Bottom Lid	$64.71	0610377063609	5
RCX75001	Lid - Bottom	$16.13	0610377063524	5
RCX75002	Clip - Support	$4.97	0610377064231	1
RCX75003	Plate - Locking	$4.85	0610377062831	10
RCX75004	Clip - Follower	$4.73	0610377064347	1
RCX75005	Flap - Inlet	$4.41	0610377062473	10
RCX75006	Cover - Inlet	$8.99	0610377064392	10
RCX76000	Assembly - Handle, QuickClean, Teal	$56.95	0610377062466	5
RCX76020	Float - Handle, (Qty of 2)	$11.15	0610377070201	10
RCX7800DC	Assembly - Filter, MS2 DC	$341.40	0610377109055	1
RCX7800G	Assembly - Filter, KS	$406.48	0610377065092	1
RCX78005	Gasket - Filter, Bottom Lid	$21.25	0610377062138	10
RCX7801	Assembly - Filter Body	$138.97	0610377064590	1
RCX7801P	Assembly - Filter, Body Gray	$258.71	0610377064859	1
RCX7802	Adapter - Handle Riser	$19.21	0610377063463	10
RCX7802B	Handle - Riser Hat	$7.39	0610377064514	10
RCX7803	Clip - Queen Tie Rod Push	$8.49	0610377061896	10
RCX780482	Ring - Adapter, Clamp NS	$29.40	0610377064538	10
RCX7805	Handle - Queen Plastic	$14.31	0610377064187	10
RCX7806	Pin - Handle for AQ	$13.49	0610377064194	10
RCX7807	Cartridge - Filter, MS2, KS (Qty of 2)	$71.78	0610377061957	5
RCX7807L	Cartridge - Filter, KS (Qty of 2)	$92.78	0610377062428	5
RCX7808PC	Rod - Tie Filter	$28.46	0610377063760	10
RCX7809	Knob - Filter, Small, Q, P, K, C	$10.39	0610377062442	10
RCX781093	Plate - Back, MS2 NS	$53.09	0610377064361	1
RCX781093G	Assembly - Filter Cover Back Plate	$75.03	0610377064620	1
RCX7813	Gasket - Oval, 1/4" Q, LP.C	$4.58	0610377062008	10
RCX7815	Rod - Tie, Filter, Queen NS	$28.64	0610377062503	10
RCX7825	Adapter - Ring, Clamp No Hole	$14.04	0610377064989	10
RCX79000	Kit - Service Tool, TS	$837.48	0610377069359	1
RCX79002	Wrench - Spanner	$99.80	0610377069366	1
RCX79003	Spreader - Belt	$214.54	0610377069373	5
RCX79005	Screwdriver - Torque, Seekonk BT	$420.68	0610377069397	3
RCX79006	Tool - Pin Extractor	$69.17	0610377069410	10
RCX80000	Scanner - Pin, TS, TS2	$478.60	0610377069434	2
RCX8001	Cover - 3/8 NPT, Plug, Swivel	$10.39	0610377066235	10
RCX8002	Assembly - Swivel, Service, KS2	$748.09	0610377066242	1
RCX8005	Connector - Plug, Female	$12.73	0610377066259	10
RCX8010	Connector - Plug, Male	$12.66	0610377066266	10
RCX8025	Clamp - 1/2" Plastic Hose	$5.76	0610377064828	10
RCX8130	Cover - Plug, AKC	$9.04	0610377066303	10
RCX8190	Adapter - Plug, Plate	$14.16	0610377066372	10
RCX8202	Assembly - Swivel, KS2 Plus	$1,121.21	0610377066389	1
RCX97007	Assembly - Handle, AV Dark Gray	$48.75	0610377118989	5
RCX9716	Solenoid Cover - Dark Gray	$10.78	0610377083140	10

Commercial Flow Control

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
TRUE UNION BALL VALVE PARTS - TB SERIES				
TUX1052	1/4," 3/8," 1/2" PVC True Union Ball Valve Assembly Nut (Qty of 1)	$16.10	0610377006224	1
TBX10752	3/4" PVC True Union Ball Valve Assembly Nut (Qty of 1)	$13.39	0610377849500	1
TBX11002	1" PVC True Union Ball Valve Assembly Nut (Qty of 1)	$13.39	0610377032957	1
TBX11502	1-1/4" - 1-1/2" PVC True Union Ball Valve Assembly Nut (Qty of 1)	$26.59	0610377779128	1
TBX122	2" PVC True Union Ball Valve Assembly Nut (Qty of 1)	$27.06	0610377776097	1
TBX132	2-1/2" - 3" PVC True Union Ball Valve Assembly Nut (Qty of 1)	$77.51	0610377193047	1
TBX142	4" PVC True Union Ball Valve Assembly Nut (Qty of 1)	$170.51	0610377193061	1
TUX100254S	1/4" PVC True Union Ball Valve Socket End Connector (Qty of 1)	$16.25	0610377193689	1
TUX100254T	1/4" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	$16.25	0610377193696	1
TUX100374S	3/8" PVC True Union Ball Valve Socket End Connector (Qty of 1)	$16.25	0610377193702	1
TUX100374T	3/8" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	$16.25	0610377193719	1
ECX15S	1/2" PVC True Union Ball Valve Socket End Connector (Qty of 1)	$16.45	0610377191524	1
ECX15T	1/2" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	$16.92	0610377191531	1
ECX17S	3/4" PVC True Union Ball Valve Socket End Connector (Qty of 1)	$18.42	0610377191548	1
ECX17T	3/4" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	$18.42	0610377191555	1
ECX11S	1" PVC True Union Ball Valve Socket End Connector (Qty of 1)	$21.20	0610377191425	1
ECX11T	1" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	$21.20	0610377191432	1
ECX112S	1-1/4" PVC True Union Ball Valve Socket End Connector (Qty of 1)	$31.62	0610377730457	1
ECX112T	1-1/4" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	$31.62	0610377717076	1
ECX115S	1-1/2" PVC True Union Ball Valve Socket End Connector (Qty of 1)	$34.20	0610377191449	1
ECX115T	1-1/2" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	$34.20	0610377191456	1
ECX12S	2" PVC True Union Ball Valve Socket End Connector (Qty of 1)	$44.67	0610377191463	1
ECX12T	2" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	$35.28	0610377191470	1
ECX13S	3" PVC True Union Ball Valve Socket End Connector (Qty of 1)	$100.49	0610377191487	1
ECX13T	3" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	$100.49	0610377191494	1
ECX14S	4" PVC True Union Ball Valve Socket End Connector (Qty of 1)	$106.45	0610377191500	1
ECX14T	4" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	$106.45	0610377191517	1
TUX101004F	1" PVC True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$127.13	0610377120654	1
TUX101254F	1-1/4" PVC True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$127.13	0610377105002	1
TUX101504F	1-1/2" PVC True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$138.09	0610377193795	1
TUX102004F	2" PVC True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$204.86	0610377196147	1
TUX103004F	3" PVC True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$295.70	0610377193825	1
TUX104004F	4" PVC True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$588.69	0610377193849	1
SRX15	1/4," 3/8," 1/2" PVC True Union Ball Valve Seal Retainer	$9.06	0610377192682	1
SRX11	1" PVC True Union Ball Valve Seal Retainer	$10.78	0610377192651	1
SRX115	1-1/4" - 1-1/2" PVC True Union Ball Valve Seal Retainer	$16.60	0610377060950	1
SRX12002	2" PVC True Union Ball Valve Seal Retainer	$19.60	0610377746267	1
SRX13	3" PVC True Union Ball Valve Seal Retainer	$60.38	0610377192668	1
SRX14	4" PVC True Union Ball Valve Seal Retainer	$136.56	0610377192675	1
TBX1050PAK	1/4," 3/8," 1/2" Ball, Stem and Handle Kit for True Union Ball Valve	$29.35	0610377116022	1
TBX1075PAK	3/4" Ball, Stem and Handle Kit for True Union Ball Valve	$31.05	0610377116039	1

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
TRUE UNION BALL VALVE PARTS - TB SERIES, CONTINUED				
TBX1100PAK	1" Ball, Stem and Handle Kit for True Union Ball Valve	$40.18	0610377116046	1
TBX1150PAK	1-1/4" - 1-1/2" Ball, Stem and Handle Kit for True Union Ball Valve	$49.05	0610377116060	1
TBX1200PAK	2" Ball, Stem and Handle Kit for True Union Ball Valve	$72.24	0610377116077	1
TBX1300PAK	3" Ball, Stem and Handle Kit for True Union Ball Valve	$209.34	0610377195713	1
TBX1400PAK	4" Ball, Stem and Handle Kit for True Union Ball Valve	$286.81	0610377195737	1
HLX23	1/4," 3/8," 1/2," 3/4" Orange Handle Replacement for True Union Ball Valve	$20.73	0610377114318	1
HLX24	1" Orange Handle Replacement for True Union Ball Valve	$24.57	0610377114325	1
HLX22	1-1/4," 1-1/2," 2" Orange Handle Replacement for True Union Ball Valve	$24.57	0610377114301	1
TBX138	3" Orange Handle Replacement for True Union Ball Valve	$41.37	0610377193054	1
TBX148	4" Orange Handle Replacement for True Union Ball Valve	$41.37	0610377193078	1
TBX050PAKE	1/4," 3/8," 1/2" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	$31.71	0610377115971	1
TBX075PAKE	3/4" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	$36.86	0610377115988	1
TBX100PAKE	1" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	$43.83	0610377116015	1
TBX150PAKE	1-1/4" – 1-1/2" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	$59.37	0610377116114	1
TBX200PAKE	2" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	$80.07	0610377116145	1
TBX300PAKE	3" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	$133.65	0610377195850	1
TBX400PAKE	4" PTFE Seat and EPDM Seal Repair Kit for True Union Ball Valve	$284.94	0610377195881	1
TRUE UNION 3-WAY BALL VALVE PARTS				
HLX23	1/2," 3/4" 3-Way True Union Ball Valve Handle Replacement	$20.73	0610377114318	1
TWX1HL1	1" 3-Way True Union Ball Valve Handle Replacement	$24.28	0610377135016	1
TWX1HL2M	1-1/4," 1-1/2," 2" 3-Way True Union Ball Valve Handle Replacement	$33.56	0610377122658	1
LAX1HL3	2-1/2," 3" 3-Way True Union Ball Valve Handle Replacement	$56.88	0610377078641	1
LAX1HL4	4," 6" 3-Way True Union Ball Valve Handle Replacement	$62.52	0610377007450	1
TWX15PAK	1/2" Ball, Stem and Handle Kit for 3-Way True Union Ball Valve	$79.53	0610377871129	1
TWX17PAK	3/4" Ball, Stem and Handle Kit for 3-Way True Union Ball Valve	$86.75	0610377871136	1
TWX11PAK	1" Ball, Stem and Handle Kit for 3-Way True Union Ball Valve	$101.84	0610377871167	1
TWX12PAK	1-1/4," 1-1/2," 2" Ball, Stem and Handle Kit for 3-Way True Union Ball Valve	$115.73	0610377871174	1
TWX13PAK	2-1/2," 3" Ball, Stem and Handle Kit for 3-Way True Union Ball Valve	$327.85	0610377871181	1
TWX14PAK	4," 6" Ball, Stem and Handle Kit for 3-Way True Union Ball Valve	$416.89	0610377871198	1
NTX100503B	1/2" PVC 3-Way True Union Ball Valve TN Ball	$71.01	0610377192002	1
NTX100753B	3/4" PVC 3-Way True Union Ball Valve TN Ball	$95.66	0610377742658	1
NTX101003B	1" PVC 3-Way True Union Ball Valve TN Ball	$148.90	0610377192019	1
NTX102003B	1-1/4," 1-1/2," 2" PVC 3-Way True Union Ball Valve TN Ball	$221.02	0610377192026	1
NTX103003B	2-1/2," 3" PVC 3-Way True Union Ball Valve TN Ball	$300.28	0610377192033	1
NTX104003B	4," 6" PVC 3-Way True Union Ball Valve TN Ball	$671.52	0610377192040	1
TUX1052	1/2" PVC 3-Way True Union Ball Valve Assembly Nut (Qty of 1)	$16.10	0610377006224	1
TBX10752	3/4" PVC 3-Way True Union Ball Valve Assembly Nut (Qty of 1)	$13.39	0610377849500	1
TBX11002	1" PVC 3-Way True Union Ball Valve Assembly Nut (Qty of 1)	$13.39	0610377032957	1
TBX122	1-1/4," 1-1/2," 2" PVC 3-Way True Union Ball Valve Assembly Nut (Qty of 1)	$27.06	0610377776097	1
TBX132	2-1/2," 3" PVC 3-Way True Union Ball Valve Assembly Nut (Qty of 1)	$77.51	0610377190787	1
TBX142	4" PVC 3-Way True Union Ball Valve Assembly Nut (Qty of 1)	$170.51	0610377193061	1
BSX142	4" PVC 3-Way True Union Ball Valve Assembly Nut Required for 3rd Port (Qty of 1)	$99.99	0610377870733	1
ECX15S	1/2" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	$16.45	0610377191524	1
ECX17S	3/4" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	$18.42	0610377191548	1

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
TRUE UNION 3-WAY BALL VALVE PARTS, CONTINUED				
ECX11S	1" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	$21.20	0610377191425	1
SBX1EC12S	1-1/4" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	$50.33	0610377870757	1
SBX1EC15S	1-1/2" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	$41.93	0610377870764	1
ECX12S	2" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	$44.67	0610377191463	1
ECX125S	2-1/2" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	$103.00	0610377723275	1
ECX13S	3" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	$100.49	0610377191487	1
ECX14S	4" PVC 3-Way True Union Ball Valve Socket End Connector (Qty of 1)	$106.45	0610377191500	1
ECX14SBS	4" PVC 3-Way True Union Ball Valve Socket End Connector Required for 3rd Port (Qty of 1)	$156.97	0610377870795	1
ECX15T	1/2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	$16.92	0610377191531	1
ECX17T	3/4" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	$18.42	0610377191555	1
ECX11T	1" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	$21.20	0610377191432	1
SBX1EC12T	1-1/4" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	$50.33	0610377870788	1
SBX1EC15T	1-1/2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	$41.93	0610377870771	1
ECX12T	2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	$35.28	0610377191470	1
ECX125T	2-1/2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	$103.00	0610377686594	1
ECX13T	3" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	$100.49	0610377191494	1
ECX14T	4" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	$106.45	0610377191517	1
ECX14TBS	4" PVC 3-Way True Union Ball Valve Threaded End Connector Required for 3rd Port (Qty of 1)	$156.97	0610377870801	1
TUX100504F	1/2" PVC 3-Way True Union Ball Valve Flanged End Connector (Qty of 1)	$82.02	0610377138420	1
TUX100754F	3/4" PVC 3-Way True Union Ball Valve Flanged End Connector (Qty of 1)	$133.28	0610377673938	1
TUX101004F	1" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$127.13	0610377120654	1
TUX101254F	1-1/4" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$127.13	0610377105002	1
TUX101504F	1-1/2" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$138.09	0610377193795	1
TUX102004F	2" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$204.86	0610377196147	1
TUX102504F	2-1/2" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$210.87	0610377117371	1
TUX103004F	3" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$295.70	0610377193825	1
TUX104004F	4" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$588.69	0610377193849	1
TUX106004F	6" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	$666.52	0610377130790	1
LAX144F	4" PVC 3-Way True Union Ball Valve Flanged End Connector Required for 3rd Port (Qty of 1)	$429.94	0610377138338	1
LAX164F	6" PVC 3-Way True Union Ball Valve Flanged End Connector Required for 3rd Port (Qty of 1)	$520.92	0610377138345	1
LAX5PAKE	1/2" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	$12.66	0610377870894	1
LAX7PAKE	3/4" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	$13.12	0610377870900	1
LAX1PAKE	1" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	$13.74	0610377870917	1
LAX2PAKE	1-1/4", 1-1/2", 2" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	$19.62	0610377870924	1
LAX3PAKE	2-1/2", 3" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	$134.22	0610377870931	1
LAX4PAKE	4", 6" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	$151.65	0610377870948	1

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
TRUE UNION BALL CHECK VALVE PARTS - TC SERIES				
TCX100503	1/2" PVC Ball for True Union Ball Check Valve	$9.36	0610377193276	1
TCX100753	3/4" PVC Ball for True Union Ball Check Valve	$18.10	0610377193290	1
TCX101003	1" PVC Ball for True Union Ball Check Valve	$21.45	0610377193313	1
TCX101253	1-1/4" PVC Ball for True Union Ball Check Valve	$26.79	0610377193337	1
TCX101503	1-1/2" PVC Ball for True Union Ball Check Valve	$30.04	0610377193344	1
TCX102003	2" PVC Ball for True Union Ball Check Valve	$84.33	0610377193351	1
TCX103003	2-1/2" PVC Ball for True Union Ball Check Valve	$158.60	0610377193313	1
TCX103003	3" PVC Ball for True Union Ball Check Valve	$158.60	0610377193368	1
TCX104003	4" PVC Ball for True Union Ball Check Valve	$659.13	0610377193375	1
TCX0050PAKE	1/2" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	$22.92	0610377195959	1
TCX0075PAKE	3/4" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	$27.70	0610377195973	1
TCX0100PAKE	1" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	$31.05	0610377195997	1
TCX0125PAKE	1-1/4" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	$37.33	0610377196017	1
TCX0150PAKE	1-1/2" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	$45.31	0610377196031	1
TCX0200PAKE	2" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	$59.00	0610377196055	1
TCX300PAKE	2-1/2," 3" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	$90.37	0610377196116	1
TCX400PAKE	4" EPDM Seat and Seal Repair Kit for True Union Ball Check Valve	$160.12	0610377196130	1
BYV SERIES BUTTERFLY VALVE PARTS				
BYXV3HLKIT	2" BYV Lever Assembly	$132.96	0610377254632	1
BYXV3HLKIT	2-1/2" BYV Lever Assembly	$132.96	0610377254632	1
BYXV3HLKIT	3" BYV Lever Assembly	$132.96	0610377254632	1
BYXV4HLKIT	4" BYV Lever Assembly	$103.96	0610377254656	1
BYXV6HLKIT	6" BYV Lever Assembly	$153.97	0610377254663	1
BYXV8HLKIT	8" BYV Lever Assembly	$162.98	0610377254717	1
BYXVTP4	2"- 4" BYV Throttle Plate	$41.10	0610377254779	1
BYXVTP8	6" - 8" BYV Throttle Plate	$68.48	0610377254786	1
BYXV020KITE	2" BYV Valve EPDM Liner and Seal Kit	$118.07	0610377244398	1
BYXV025KITE	2-1/2" BYV Valve EPDM Liner and Seal Kit	$124.72	0610377244404	1
BYXV030KITE	3" BYV Valve EPDM Liner and Seal Kit	$131.27	0610377244411	1
BYXV040KITE	4" BYV Valve EPDM Liner and Seal Kit	$182.14	0610377244428	1
BYXV060KITE	6" BYV Valve EPDM Liner and Seal Kit	$231.65	0610377244435	1
BYXV080KITE	8" BYV Valve EPDM Liner and Seal Kit	$365.45	0610377244497	1
BYXV100KITE	10" BYV Valve EPDM Liner and Seal Kit	$735.56	0610377244503	1
BYXV120KITE	12" BYV Valve EPDM Liner and Seal Kit	$828.56	0610377244510	1
BYXV020KITV	2" BYV Valve FPM Liner & Seal Kit	$409.48	0610377244312	1
BYXV025KITV	2-1/2" BYV Valve FPM Liner & Seal Kit	$445.11	0610377244329	1
BYXV030KITV	3" BYV Valve FPM Liner & Seal Kit	$486.18	0610377244336	1
BYXV040KITV	4" BYV Valve FPM Liner & Seal Kit	$582.06	0610377244343	1
BYXV060KITV	6" BYV Valve FPM Liner & Seal Kit	$787.89	0610377244350	1
BYXV080KITV	8" BYV Valve FPM Liner & Seal Kit	$1,306.81	0610377244367	1
BYXV100KITV	10" BYV Valve FPM Liner & Seal Kit	$2,163.52	0610377244374	1
BYXV120KITV	12" BYV Valve FPM Liner & Seal Kit	$2,834.92	0610377244381	1
BYXV020KITN	2" BYV Valve Nitrile Liner & Seal Kit	$118.07	0610377244527	1
BYXV025KITN	2-1/2" BYV Valve Nitrile Liner & Seal Kit	$124.72	0610377244534	1
BYXV030KITN	3" BYV Valve Nitrile Liner & Seal Kit	$131.27	0610377244541	1
BYXV040KITN	4" BYV Valve Nitrile Liner & Seal Kit	$182.14	0610377244558	1
BYXV060KITN	6" BYV Valve Nitrile Liner & Seal Kit	$231.65	0610377244626	1
BYXV080KITN	8" BYV Valve Nitrile Liner & Seal Kit	$365.45	0610377244633	1
BYXV100KITN	10" BYV Valve Nitrile Liner & Seal Kit	$735.56	0610377244640	1
BYXV120KITN	12" BYV Valve Nitrile Liner & Seal Kit	$828.56	0610377244657	1
BYXV030ORKITE	2"- 3" BYV VLV EPDM O-ring WS Kit	$15.16	0610377254878	1
BYXV040ORKITE	4" BYV VLV EPDM O-ring WS Kit	$17.55	0610377254885	1
BYXV060ORKITE	6" BYV VLV EPDM O-ring WS Kit	$20.74	0610377254892	1
BYXV080ORKITE	8" BYV VLV EPDM O-ring WS Kit	$24.73	0610377254908	1
BYXV100ORKITE	10" BYV VLV EPDM O-ring WS Kit	$29.52	0610377254915	1
BYXV120ORKITE	12" BYV VLV EPDM O-ring WS Kit	$35.10	0610377254922	1

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
BYV SERIES BUTTERFLY VALVE PARTS, CONTINUED				
BYXV0300RKITV	2"- 3" BYV VLV FPM O-ring WS Kit	$25.26	0610377254809	1
BYXV0400RKITV	4" BYV VLV FPM O-ring WS Kit	$29.25	0610377254823	1
BYXV0600RKITV	6" BYV VLV FPM O-ring WS Kit	$34.57	0610377254830	1
BYXV0800RKITV	8" BYV VLV FPM O-ring WS Kit	$41.22	0610377254847	1
BYXV1000RKITV	10" BYV VLV FPM O-ring WS Kit	$49.20	0610377254854	1
BYXV1200RKITV	12" BYV VLV FPM O-ring WS Kit	$58.50	0610377254861	1
BYXV10202	2" BYV Valve Disc PVC	$84.30	0610377243872	1
BYXV10252	2-1/2" BYV Valve Disc PVC	$93.54	0610377243889	1
BYXV10302	3" BYV Valve Disc PVC	$116.94	0610377243896	1
BYXV10402	4" BYV Valve Disc PVC	$120.00	0610377243902	1
BYXV10602	6" BYV Valve Disc PVC	$176.84	0610377243919	1
BYXV10802	8" BYV Valve Disc PVC	$240.00	0610377243933	1
BYXV11002	10" BYV Valve Disc PVC	$265.93	0610377243940	1
BYXV11202	12" BYV Valve Disc PVC	$299.17	0610377243957	1
BYXV20202	2" BYV Valve Disk CPVC	$126.45	0610377243964	1
BYXV20252	2-1/2" BYV Valve Disk CPVC	$140.34	0610377244046	1
BYXV20302	3" BYV Valve Disk CPVC	$175.45	0610377244053	1
BYXV20402	4" BYV Valve Disk CPVC	$180.03	0610377244107	1
BYXV20602	6" BYV Valve Disk CPVC	$265.26	0610377244114	1
BYXV20802	8" BYV Valve Disk CPVC	$360.00	0610377244121	1
BYXV21002	10" BYV Valve Disk CPVC	$398.89	0610377244138	1
BYXV21202	12" BYV Valve Disk CPVC	$498.61	0610377244145	1
BYXV40202	2" BYV Valve Disk GFPP	$101.19	0610377244237	1
BYXV40252	2-1/2" BYV Valve Disk GFPP	$112.22	0610377244244	1
BYXV40302	3" BYV Valve Disk GFPP	$140.34	0610377244251	1
BYXV40402	4" BYV Valve Disk GFPP	$144.00	0610377244268	1
BYXV40602	6" BYV Valve Disk GFPP	$212.21	0610377244275	1
BYXV40802	8" BYV Valve Disk GFPP	$288.00	0610377244282	1
BYXV41002	10" BYV Valve Disk GFPP	$332.41	0610377244299	1
BYXV41202	12" BYV Valve Disk GFPP	$398.89	0610377244305	1
BYCN SERIES BUTTERFLY VALVE PARTS				
LEX2B	2," 2-1/2" Lever Handle Replacement for Butterfly Valve (BYCN)	$15.93	0610377209205	1
LEX4B	3," 4" Lever Handle Replacement for Butterfly Valve (BYCN)	$19.08	0610377207270	1
LEX6B	5," 6," 8" Lever Handle Replacement for Butterfly Valve (BYCN)	$33.07	0610377209212	1
BY SERIES BUTTERFLY VALVE PARTS				
LEX3A	2", 3" Lever Handle Replacement for Butterfly Valve	$139.71	0610377203494	1
LEX4A	4" Lever Handle Replacement for Butterfly Valve	$146.14	0610377203500	1
LEX6A	6" Lever Handle Replacement for Butterfly Valve	$166.75	0610377203517	1
LEX8A	8" Lever Handle Replacement for Butterfly Valve	$200.48	0610377203524	1
BYX122	2" PVC Disc Replacement for Butterfly Valve	$74.12	0610377112130	1
BYX132	3" PVC Disc Replacement for Butterfly Valve	$82.29	0610377191234	1
BYX142	4" PVC Disc Replacement for Butterfly Valve	$105.53	0610377191241	1
BYX162	6" PVC Disc Replacement for Butterfly Valve	$155.57	0610377191258	1
BYX182	8" PVC Disc Replacement for Butterfly Valve	$210.99	0610377191265	1
BY SERIES BUTTERFLY VALVE LINER & SEAL KITS				
BYXE2KIT	EPDM Liner & Seal Kit for 2" Butterfly Valve	$100.83	0610377231824	1
BYXE3KIT	EPDM Liner & Seal Kit for 3" Butterfly Valve	$112.11	0610377195119	1
BYXE4KIT	EPDM Liner & Seal Kit for 4" Butterfly Valve	$155.54	0610377195126	1
BYXE6KIT	EPDM Liner & Seal Kit for 6" Butterfly Valve	$197.85	0610377195133	1
BYXE8KIT	EPDM Liner & Seal Kit for 8 "Butterfly Valve	$312.17	0610377195140	1
BYXE10KIT	EPDM Liner & Seal Kit for 10" Butterfly Valve	$628.30	0610377112109	1
BULKHEAD FITTING GASKETS				
BFXAGST005E	1/2" EPDM Gasket Replacement for BF or BFA Series Bulkhead Fitting (Std. Flange)	$4.33	0610377095945	1
BFXAGST007E	3/4" EPDM Gasket Replacement for BF or BFA Series Bulkhead Fitting (Std. Flange)	$7.04	0610377095952	1
BFXAGST010E	1" EPDM Gasket Replacement for BF or BFA Series Bulkhead Fitting (Std. Flange)	$5.84	0610377095969	1
BFXAGST015E	1-1/2" EPDM Gasket Replacement for BFA Series Bulkhead Fitting (Std. Flange) Only	$5.79	0610377095976	1
BFXAGST020E	2" EPDM Gasket Replacement for BF or BFA Series Bulkhead Fitting (Std. Flange)	$10.86	0610377095983	1
BFXAGST030E	3" EPDM Gasket Replacement for BF or BFA Series Bulkhead Fitting (Std. Flange)	$13.59	0610377095990	1

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
BULKHEAD FITTING GASKETS, CONTINUED				
BFXAGST040E	4" EPDM Gasket Replacement for BF or BFA Series Bulkhead Fitting (Std. Flange)	$44.69	0610377096003	1
BFXAGST060E	6" EPDM Gasket Replacement for BF or BFA Series Bulkhead Fitting (Std. Flange)	$51.71	0610377096010	1
BFX0150PP	1-1/2" EPDM Gasket Replacement for BF Series Bulkhead Fitting Only	$5.69	0610377190152	1
BFX0150PP	1-1/4" EPDM Gasket Replacement for BF Series Bulkhead Fitting Only	$5.69	0610377190152	1
BFXAGST005F	1/2" FPM BF Gasket	$16.67	0610377096027	1
BFXAGST007F	3/4" FPM BF Gasket	$17.90	0610377096034	1
BFXAGST010F	1" FPM BF Gasket	$20.76	0610377096041	1
BFXAGST015F	1- 1/2" FPM BF Gasket	$22.26	0610377096058	1
BFXAGST015F	1-1/4" FPM BF Gasket	$22.26	0610377096058	1
BFXAGST020F	2" FPM BF Gasket	$48.21	0610377096065	1
BFXAGST030F	3" FPM BF Gasket	$59.64	0610377096072	1
BFXAGST040F	4" FPM BF Gasket	$215.80	0610377096089	1
BFXAGST060F	6" FPM BF Gasket	$229.66	0610377096096	1
BASKET STRAINER PARTS				
BSX1111ASSYE	1/2" - 1" PVC Simplex or Duplex Cover Assembly w/EPDM O-ring	$81.97	0610377872522	1
BSX1211ASSYE	1-1/4" - 2" PVC Simplex or Duplex Cover Assembly w/EPDM O-ring	$126.81	0610377872591	1
BSX1411ASSYE	2-1/2" - 4" PVC Simplex or Duplex Cover Assembly w/EPDM O-ring	$192.21	0610377872614	1
BSX1611ASSYE	6" - 8" PVC Simplex or Duplex Cover Assembly w/EPDM O-ring	$456.51	0610377872652	1
SB1KITE	1/2" - 1" CPVC Simplex or Duplex O-ring Replacement	$18.81	0610377872690	1
SB2KITE	1-1/4" - 2" CPVC Simplex or Duplex O-ring Replacement	$27.92	0610377872713	1
SB4KITE	2-1/2" - 4" CPVC Simplex or Duplex O-ring Replacement	$66.06	0610377872737	1
SB6KITE	6" - 8" CPVC Simplex or Duplex O-ring Replacement	$84.41	0610377872751	1
BSX1PLUG2	1/2" - 2" PVC Simplex or Duplex Plug Replacement w/FPM O-ring	$39.62	0610377872751	1
BSX1PLUG2E	2-1/2" - 8" PVC Simplex or Duplex Plug Replacement w/EPDM O-ring	$31.71	0610377872775	1
BASKET STRAINERS: SIMPLEX & DUPLEX EXTRA/REPLACEMENT BASKETS				
BS11001/32	1/32" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	$251.45	0610377659635	1
BS11001/16	1/16" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	$251.45	0610377797665	1
BS11001/8	1/8" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	$251.45	0610377797917	1
BS11003/16	3/16" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	$251.45	0610377797924	1
BS71020	20 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	$522.28	0610377111584	1
BS71040	40 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	$522.28	0610377111614	1
BS71060	60 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	$522.28	0610377111621	1
BS71080	80 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	$522.28	0610377111638	1
BS710100	100 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	$522.28	0610377111577	1
BS7101/32	1/32" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	$522.28	0610377017398	1
BS7101/16	1/16" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	$522.28	0610377017411	1
BS7101/8	1/8" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	$522.28	0610377017466	1
BS7103/16	3/16" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	$522.28	0610377017596	1
BS12001/32	1/32" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$316.06	0610377793063	1
BS12001/16	1/16" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$316.06	0610377111355	1
BS12001/8	1/8" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$316.06	0610377793070	1
BS12003/16	3/16" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$316.06	0610377793087	1
BS72020	20 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$647.88	0610377111829	1
BS72040	40 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$647.88	0610377111850	1
BS72060	60 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$647.88	0610377111867	1
BS72080	80 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$647.88	0610377111874	1
BS720100	100 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$647.88	0610377111812	1
BS7201/32	1/32" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$647.88	0610377018654	1
BS7201/16	1/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$647.88	0610377018685	1
BS7201/8	1/8" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$647.88	0610377018777	1
BS7203/16	3/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	$647.88	0610377018791	1
BS14001/32	1/32" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	$803.37	0610377857505	1
BS14001/16	1/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	$803.37	0610377852579	1
BS14001/8	1/8" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	$803.37	0610377693257	1
BS14003/16	3/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	$803.37	0610377852586	1

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
BASKET STRAINERS: SIMPLEX & DUPLEX EXTRA/REPLACEMENT BASKETS , CONTINUED				
BS74020	20 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	$1,382.16	0610377060691	1
BS74040	40 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	$1,382.16	0610377081870	1
BS74060	60 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	$1,382.16	0610377112086	1
BS74080	80 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	$1,382.16	0610377072052	1
BS740100	100 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	$1,382.16	0610377057233	1
BS7401/32	1/32" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	$1,382.16	0610377018500	1
BS7401/16	1/16" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	$1,382.16	0610377018524	1
BS7401/8	1/8" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	$1,382.16	0610377018555	1
BS7403/16	3/16" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	$1,382.16	0610377018579	1
BS16001/32	1/32" PVC Perf Basket Replacement for 6" Strainers	$2,281.44	0610377298087	1
BS16001/16	1/16" PVC Perf Basket Replacement for 6" Strainers	$2,281.44	0610377726443	1
BS16001/8	1/8" PVC Perf Basket Replacement for 6" Strainers	$2,281.44	0610377149860	1
BS16003/16	3/16" PVC Perf Basket Replacement for 6" Strainers	$2,281.44	0610377149877	1
BS76001420	20 MESH 316 SS Basket Replacement for 6" Strainers	$2,680.48	0610377151221	1
BS76001440	40 MESH 316 SS Basket Replacement for 6" Strainers	$2,680.48	0610377151252	1
BS76001480	60 MESH 316 SS Basket Replacement for 6" Strainers	$2,680.48	0610377151276	1
BS76001460	80 MESH 316 SS Basket Replacement for 6" Strainers	$2,680.48	0610377151269	1
BS760014100	100 MESH 316 SS Basket Replacement for 6" Strainers	$2,680.48	0610377151214	1
BS76001/32	1/32" 316 SS Perf Basket Replacement for 6" Strainers	$2,868.97	0610377151184	1
BS76001/16	1/16" 316 SS Perf Basket Replacement for 6" Strainers	$2,868.97	0610377151160	1
BS76001/8	1/8" 316 SS Perf Basket Replacement for 6" Strainers	$2,868.97	0610377151207	1
BS76003/16	3/16" 316 SS Perf Basket Replacement for 6" Strainers	$2,868.97	0610377151283	1
BS18001/32	1/32" PVC Perf Basket Replacement for 8" Strainers	$3,150.85	0610377790604	1
BS18001/16	1/16" PVC Perf Basket Replacement for 8" Strainers	$3,150.85	0610377104777	1
BS18001/8	1/8" PVC Perf Basket Replacement for 8" Strainers	$3,150.85	0610377149914	1
BS18003/16	3/16" PVC Perf Basket Replacement for 8" Strainers	$3,150.85	0610377149921	1
BS78001420	20 MESH 316 SS Basket Replacement for 8" Strainers	$3,662.74	0610377151405	1
BS78001440	40 MESH 316 SS Basket Replacement for 8" Strainers	$3,662.74	0610377151436	1
BS78001460	60 MESH 316 SS Basket Replacement for 8" Strainers	$3,662.74	0610377151443	1
BS78001480	80 MESH 316 SS Basket Replacement for 8" Strainers	$3,662.74	0610377151450	1
BS780014100	100 MESH 316 SS Basket Replacement for 8" Strainers	$3,662.74	0610377151399	1
BS78001/32	1/32" 316 SS Perf Basket Replacement for 8" Strainers	$3,922.22	0610377151368	1
BS78001/16	1/16" 316 SS Perf Basket Replacement for 8" Strainers	$3,922.22	0610377151344	1
BS78001/8	1/8" 316 SS Perf Basket Replacement for 8" Strainers	$3,922.22	0610377151382	1
BS78003/16	3/16" 316 SS Perf Basket Replacement for 8" Strainers	$3,922.22	0610377151467	1
EXTRA/REPLACEMENT SCREENS FOR Y-STRAINERS				
YSX1005022	1/32" Perf PVC Replacement Screen for 1/2" Y-Strainer	$44.89	0610377203302	1
YSX1007522	1/32" Perf PVC Replacement Screen for 3/4" Y-Strainer	$50.67	0610377203319	1
YSX1010022	1/32" Perf PVC Replacement Screen for 1" Y-Strainer	$58.38	0610377203326	1
YSX1015022	1/32" Perf PVC Replacement Screen for 1-1/4" Y-Strainer	$67.76	0610377203333	1
YSX1015022	1/32" Perf PVC Replacement Screen for 1-1/2" Y-Strainer	$67.76	0610377203333	1
YSX1020022	1/32" Perf PVC Replacement Screen for 2" Y-Strainer	$112.53	0610377203340	1
YSX1030022	1/32" Perf PVC Replacement Screen for 2-1/2" Y-Strainer	$159.90	0610377203357	1
YSX1030022	1/32" Perf PVC Replacement Screen for 3" Y-Strainer	$159.90	0610377203357	1
YSX1040022	1/32" Perf PVC Replacement Screen for 4" Y-Strainer	$198.88	0610377203364	1
YSX2005022	1/32" Perf CPVC Replacement Screen for 1/2" Y-Strainer	$61.83	0610377203371	1
YSX2007522	1/32" Perf CPVC Replacement Screen for 3/4" Y-Strainer	$75.57	0610377203395	1
YSX2010022	1/32" Perf CPVC Replacement Screen for 1" Y-Strainer	$93.10	0610377116480	1
YSX2015022	1/32" Perf CPVC Replacement Screen for 1-1/2" Y-Strainer	$117.89	0610377203418	1

NOTE: 1/2", 3/4" and 1" Basket Strainers are supplied with standard 1/32" PVC Perf.
NOTE: 1-1/2" through 8" Basket Strainers are supplied with standard 1/8" PVC Perf.

PART NUMBER	SIZE / DESCRIPTION	LIST PRICE	GTIN	CARTON QTY
EXTRA/REPLACEMENT SCREENS FOR Y-STRAINERS, CONTINUED				
YSX2020022	1/32" Perf CPVC Replacement Screen for 2" Y-Strainer	$153.20	0610377203425	1
YSX2030022	1/32" Perf CPVC Replacement Screen for 3" Y-Strainer	$238.40	0610377203432	1
YSX1005022	1/32" Perf PVC Replacement Screen for 1/2" Y-Strainer	$44.89	0610377203302	1
YSX1007522	1/32" Perf PVC Replacement Screen for 3/4" Y-Strainer	$50.67	0610377203319	1
YSX2040022	1/32" Perf CPVC Replacement Screen for 4" Y-Strainer	$293.41	0610377203449	1
YS700501/16	316 SS Perf Replacement Screen for 1/2" Y-Strainer 1/16	$177.26	0610377116572	1
YS700501/32	316 SS Perf Replacement Screen for 1/2" Y-Strainer 1/32	$177.26	0610377116589	1
YS700501/8	316 SS Perf Replacement Screen for 1/2" Y-Strainer 1/8	$177.26	0610377083553	1
YS700751/16	316 SS Perf Replacement Screen for 3/4" Y-Strainer 1/16	$211.73	0610377116602	1
YS700751/32	316 SS Perf Replacement Screen for 3/4" Y-Strainer 1/32	$211.73	0610377116619	1
YS700751/8	316 SS Perf Replacement Screen for 3/4" Y-Strainer 1/8	$211.73	0610377116626	1
YS701001/16	316 SS Perf Replacement Screen for 1" Y-Strainer 1/16	$259.18	0610377116657	1
YS701001/8	316 SS Perf Replacement Screen for 1" Y-Strainer 1/8	$259.18	0610377116671	1
YS701001/32	316 SS Perf Replacement Screen for 1" Y-Strainer 1/32	$259.18	0610377116664	1
YS701501/8	316 SS Perf Replacement Screen for 1-1/4" And 1-1/2" Y-Strainer 1/8	$327.98	0610377116763	1
YS701501/16	316 SS Perf Replacement Screen for 1-1/4" And 1-1/2" Y-Strainer 1/16	$327.98	0610377116732	1
YS701501/32	316 SS Perf Replacement Screen for 1-1/4" And 1-1/2" Y-Strainer 1/32	$327.98	0610377116749	1
YS702001/16	316 SS Perf Replacement Screen for 2" Y-Strainer 1/16	$381.11	0610377116824	1
YS702001/8	316 SS Perf Replacement Screen for 2" Y-Strainer 1/8	$375.16	0610377116862	1
YS702001/32	316 SS Perf Replacement Screen for 2" Y-Strainer 1/32	$381.11	0610377116848	1
YS703001/8	316 SS Perf Replacement Screen for 2-1/2" And 3" Y-Strainer 1/8	$437.11	0610377169660	1
YS703001/32	316 SS Perf Replacement Screen for 2-1/2" And 3" Y-Strainer 1/32	$437.11	0610377116961	1
YS703001/16	316 SS Perf Replacement Screen for 2-1/2" And 3" Y-Strainer 1/16	$437.11	0610377116947	1
YS704001/8	316 SS Perf Replacement Screen for 4" Y-Strainer 1/8	$554.29	0610377117098	1
YS704001/16	316 SS Perf Replacement Screen for 4" Y-Strainer 1/16	$554.29	0610377117050	1
YS704001/32	316 SS Perf Replacement Screen for 4" Y-Strainer 1/32	$554.29	0610377117074	1
SOLENOID VALVE PARTS				
SVX1VCART	PVC Cartridge and FPM Seal Kit for 1/4" - 1/2" NPD Solenoid Valve	$296.53	0610377739429	1
SVX1ECART	PVC Cartridge and EPDM Seal Kit for 1/4" - 1/2" NPD Solenoid Valve	$279.91	0610377739405	1
SVX2VCART	CPVC Cartridge and FPM Seal Kit for 1/4" - 1/2" NPD Solenoid Valve	$296.53	0610377739375	1
SVX2ECART	CPVC Cartridge and EPDM Seal Kit for 1/4" - 1/2" NPD Solenoid Valve	$316.58	0610377739382	1
SVX452B	Bonnet Nut Replacement for 1/4" - 1/2" NPD Solenoid Valve	$69.88	0610377308977	1
SVX5BCOIL120A	Coil 120 Volt Bonnet, Nut and Clip Replacement for 1/4" - 1/2" NPD Solenoid Valve	$553.18	0610377862745	1
SVX5BCOIL220A	Coil 220 Volt Bonnet, Nut and Clip Replacement for 1/4" - 1/2" NPD Solenoid Valve	$903.07	0610377862752	1
SVX5BCOIL12A/D	Coil 12 VAC or 12 VDC Bonnet, Nut and Clip Replacement for 1/4" - 1/2" NPD Solenoid Valve	$903.07	0610377862769	1
SVX5BCOIL24A/D	Coil 24 VAC or 24 VDC Bonnet, Nut and Clip Replacement for 1/4" - 1/2" NPD Solenoid Valve	$903.07	0610377862776	1
SVX17VCART	PVC Cartridge and FPM Seal Kit for 3/4" - 1" NPD Solenoid Valve	$326.77	0610377739443	1
SVX17ECART	PVC Cartridge and EPDM Seal Kit for 3/4" - 1" NPD Solenoid Valve	$313.30	0610377739412	1
SVX27VCART	CPVC Cartridge and FPM Seal Kit for 3/4" - 1" NPD Solenoid Valve	$326.77	0610377780476	1
SVX27ECART	CPVC Cartridge and EPDM Seal Kit for 3/4" - 1" NPD Solenoid Valve	$313.30	0610377780483	1
SVX472B	Bonnet Nut Replacement for 3/4" - 1" NPD Solenoid Valve	$89.92	0610377308960	1
SVX1BCOIL120A	Coil 120 Volt Bonnet, Nut and Clip Replacement for 3/4" - 1" NPD Solenoid Valve	$573.10	0610377862783	1
SVX1BCOIL220A	Coil 220 Volt Bonnet, Nut and Clip Replacement for 3/4" - 1" NPD Solenoid Valve	$923.26	0610377862790	1
SVX1BCOIL12A/D	Coil 12 VAC or 12 VDC Bonnet, Nut and Clip Replacement for 3/4" - 1" NPD Solenoid Valve	$923.26	0610377862806	1
SVX1BCOIL24A/D	Coil 24 VAC or 24 VDC Bonnet, Nut and Clip Replacement for 3/4" - 1" NPD Solenoid Valve	$923.26	0610377862813	1



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Ordering: To insure prompt and proper shipment, please order by catalog number and description. Hayward reserves the right to consider each order, or addition, as separate and subject separately to the terms and conditions as herein outlined. Pricing is subject to change for orders that cannot be delivered within sixty (60) calendar days of receipt of the order or because the requested shipment date exceeds sixty (60) calendar days. By submitting an order where delivery time extends beyond sixty (60) days the purchaser acknowledges the possibility of a pricing change or limitations in the ability to deliver the goods in a timely fashion. Hayward will accept orders for extended timeframes with this understanding in place. Orders impacted by such changes are eligible for cancellation so long as the order is not in the process of shipping.

Hayward also reserves the right to implement a price increase for all orders placed but not yet shipped to account for rising costs including but not limited to costs associated with commodities, ocean freight, and labor. Orders impacted by such a price increase are eligible for cancellation so long as the order is not in the process of shipping.

Hayward will advise of the above pricing changes at least sixty (60) days in advance.

Hayward's Buyer's Guide and Parts Price List and other Price Lists may be amended from time to time on thirty (30) days notice.

Shipments: All shipments are F.O.B. Clemmons, NC. Freight allowed on shipments with a net value of $35,000 or more for finished goods and/or $2,500 or more for parts to one destination, within Continental limits of United States and Canada excluding consolidated shipments for export. Prices include standard domestic packing only. Crating and export packing extra.

Shipping weights are approximate and are for use as a guide only. Carton weight is weight of Carton Quantity indicated.

Carton Quantity: Most products are individually boxed or bagged. Smaller products are normally individually boxed or bagged and packaged in a master carton (Ctn. Qty.).

Broken Master Carton Upcharge–Whole Goods: A charge of 25% of the net price of the individual item will be applied for broken master cartons of whole goods only.

Claims: All Claims must be made within ten days after receipt of merchandise. If any shipment is received in a damaged condition your claim must be filed with the delivering carrier and noted on the freight bill before you accept the merchandise.

Returns: All returns are subject to our written approval, and must be accompanied by a "RETURN GOODS AUTHORIZATION" form obtained from Hayward, prior to shipment. Unauthorized returns will NOT be accepted. Freight must be prepaid. Material returned for credit, if in original condition and resaleable, is subject to a 20% handling charge and adjustment of prorated original outbound freight. Upon inspection by Hayward, material returned that is not in original condition and resaleable will be returned to Buyer at the Buyers cost.

Taxes: Any Federal or State Excise or Sales Tax for which we may be liable on any sale will be charged to and paid by the buyer. Buyer is responsible for furnishing resale certificate.

Minimum Billing Charges:

Finished Goods $200. Parts $100. Finished goods and parts must be on separate orders and may not be combined. Parts are usually items with an "X" in the prefix number.
Minimums are subject to change without notice.

Contract: Except for the terms of any written and executed distribution, supplier or reseller agreement between the Parties, this Invoice is the entire contract between Hayward Industries, Inc., 1415 Vantage Park Drive, Suite 400, Charlotte, NC 28203 ("Hayward") and the Buyer named on the face of the Invoice (collectively the "Parties") with respect to the good or materials purchased and any related services (collectively, "Goods") and it supersedes any prior communications or agreements between the parties about the Goods. Any documents incorporated or referred to in this Invoice or in any releases or orders issued to Buyer hereunder are a part of this Invoice, except that any references to Buyer's order or other form is for information only and Hayward rejects all terms and conditions proposed by Buyer therein. These Terms and Conditions ("Terms") will apply to all sales by Hayward under this Invoice and any related releases unless modified or waived by any specific different terms stated on the face of the Invoice or release, regardless of any course of dealing or industry practice to the contrary. The terms of any written and executed distribution, supplier or reseller agreement between the Parties will control if and to the extent they conflict with terms set forth in this Invoice.

Acceptance: Buyer's written acknowledgement of this Invoice, acceptance of any Goods hereunder, or payment of the amount due by Buyer as indicated on the Invoice will constitute its acceptance of these Terms. Without Hayward's written consent, no additional or different terms proposed by Buyer in its acknowledgement or otherwise will be effective to modify this Invoice and Buyer will be deemed to have accepted the Invoice without such modifications.

Delivery of Goods: Delivery by Hayward to a carrier shall constitute delivery to Buyer. Even though Goods are shipped to the order of Hayward, Buyer assumes all responsibility for shortage, loss, delay, or damage in transit on issuance to Hayward by carrier of a bill of lading.

Limited Warranty: To Buyer, as original purchaser of the Goods, Hayward warrants its products free from defects in materials and workmanship for a period of one (1) year from the date of purchase. Parts which fail or become defective during the warranty period, except as a result of freezing, negligence, improper installation, use or care, shall be repaired or replaced, at Hayward's option, within ninety (90) days of the receipt of the defective product, barring unforeseen delays.

To obtain warranty, replacements or repair, defective components or parts should be returned, transportation paid, to the place of purchase, or the nearest authorized Hayward service center. No returns may be made directly to the factory without the express written authorization of Hayward.

Pump housings/strainers which become defective during the warranty period, except as a result of freezing, negligence, improper installation, use or care, or as the result of a use in association with an automatic valving system, shall be repaired or replaced, at Hayward's option, without charge.

All other conditions and terms of the standard warranty apply.

Hayward shall not be responsible for cartage, removal and/or reinstallation labor or any other such costs incurred in obtaining warranty replacements.

The foregoing warranty does not apply to components manufactured by others. For such products, the warranty established by the respective manufacturer will apply.

Disclaimer: NO OTHER EXPRESS WARRANTY HAS BEEN MADE OR WILL BE MADE ON BEHALF OF HAYWARD WITH RESPECT TO THE GOODS OR THE INSTALLATION, OPERATION, REPAIR OR REPLACEMENT OF THE GOODS. HAYWARD SHALL NOT BE RESPONSIBLE FOR DAMAGE, LOSS OF USE OF THE UNIT, INCONVENIENCE, LOSS OR DAMAGE TO PERSONAL PROPERTY, WHETHER DIRECT OR INDIRECT, AND WHETHER ARISING IN CONTRACT OR TORT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to Buyer. This warranty gives Buyer specific legal rights, and Buyer may also have other rights which vary from state to state.

Limitation on Implied Warranties. IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY IMPOSED ON THE SALE OF THE GOODS UNDER STATE LAW, ARE LIMITED TO ONE YEAR DURATION FOR THE GOODS OR ANY PARTS. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO BUYER.

Limitations of Liability: Hayward's liability and Buyer's sole remedy, whether in contract, under any warranty, in tort (including negligence), in strict liability or otherwise, shall not exceed the return of the amount of the purchase price paid by Buyer, and under no circumstances shall Hayward be liable for any special or consequential damages, including, but not limited to, personal injury, property damage, damage to or loss of equipment, lost profits or revenue, costs of renting replacements, and other additional expenses, even if the seller has been advised of the possibility of such damages. The price stated for the equipment is a consideration in limiting Hayward's liability and Buyer's remedy. Some states do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to Buyer. Hayward will not be liable for any damages, losses, or expenses as a result of Buyer's negligence, whether deemed active or passive and whether or not any such negligence is the sole cause of any such damage, loss, or expense.

This warranty gives Buyer specific legal rights, and Buyer may also have other rights which vary from state to state.

Sale On Credit: The goods shall be shipped by Hayward to Buyer on thirty (30) days credit. The credit period shall commence to run from the date of shipment.

Delay in the transmission of this invoice from Hayward to Buyer, resulting from any cause arising after the dispatch of this invoice by Hayward to Buyer and over which Hayward has no control, shall not extend the period for payment.

Buyer will furnish to seller any requested financial and credit information pertaining to the Buyer's business enterprise for the establishment and/or continuation of a credit line.

Failure to Pay Within 30 Days: If Buyer fails to pay the invoice amount within thirty (30) days of the date of shipment, Hayward may recover from Buyer: (i) interest at the rate of 1 1⁄2% per month (18% annual percentage rate) of the total amount outstanding, and (ii) any expenses and/or attorney's fees incurred in connection with attempts to collect the outstanding balance.

Fair Labor Standards Act: This is to certify that the merchandise listed in this invoice has been produced in accordance with the Fair Labor Standards Act of 1938, as amended.

Indemnification: Buyer will defend and indemnify Hayward and its directors, employees, agents, customers, end users, successors and assigns from and against all actual and alleged claims, liabilities, suits, damages, losses and expenses (including attorney's fees and legal costs) arising from or caused, in whole or in part, by Buyer's breach of any provision, term or condition of this Invoice.

Binding Effect: This Invoice is binding on the parties and their respective directors, officers, employees, agents, subcontractors, successors and permitted assigns.

Cumulative Remedies: Hayward's remedies herein are cumulative and in addition to any other further remedies available to it at law or equity.

No Waiver: Hayward's failure to enforce any right provided herein or to which it is entitled at law or equity will not constitute a waiver of that right or of any other rights to which it is entitled.

Governing Law: This Invoice will be interpreted and enforced under the laws of the State of New Jersey, USA (including, without limitation, the provisions of the Uniform Commercial Code as adopted by North Carolina), without recourse to the conflict of laws provision thereof. In no event will the provisions of the U.N. Convention on the International Sale of Goods apply to this Invoice. The parties agree that any action or proceeding arising out of or in connection with this Invoice will be brought exclusively in a state or federal court in the State of North Carolina.

Subject to Change: These Terms and Condition of Sale are subject to change at Hayward's discretion.

How to Contact Us

Hayward Pool Products

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