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Effective January 1, 2023

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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 FINISHED GOODS



FINISHED GOODS + TECHNICAL INFORMATION

# 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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# TriStar® XL

ULTRA-HIGH EFFICIENCY PUMPS



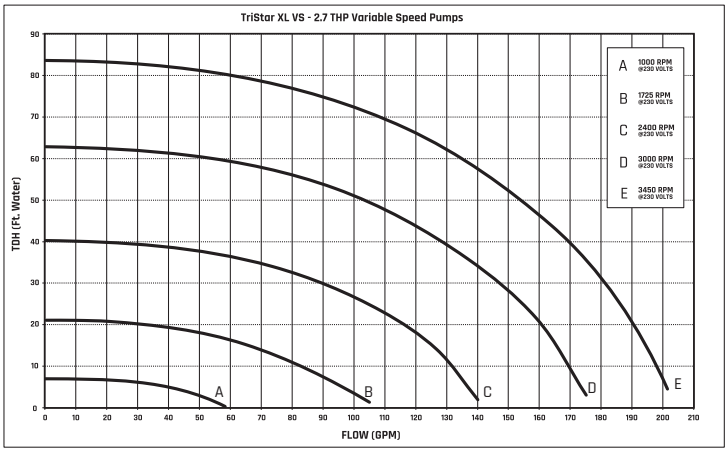

TriStar XL Pump and Strainer Basket

## TriStar XL Pump Buying Guide

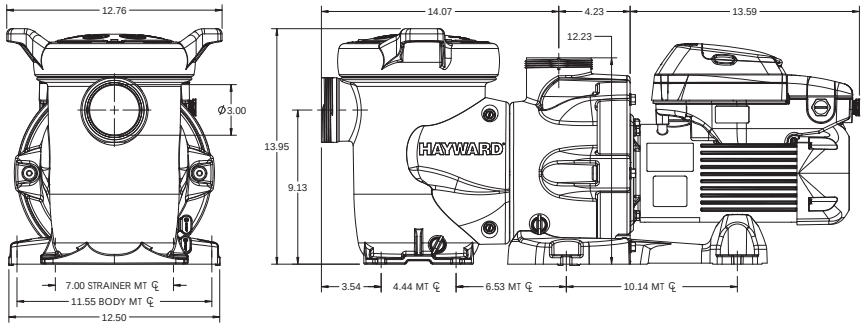
| Model Number | Total H.P. | WEF | Union Connections | Voltage at 60 Hz | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|
| HCP3020VSP | 2.7 | 7.2/9.9 | 2.5" x 3" | 230/115 | 1 | 65 lbs. |

**NOTE:** Extended Warranty is 4 years

### Performance Data – TriStar XL VS




### Overall Dimensions (inches)




For replacement parts see page 128.

*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*

| RPM | Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 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

# TriStar® VS 900/950 Omni®

ULTRA-HIGH EFFICIENCY PUMPS WITH SMART POOL CONTROL

**EXPERT LINE**



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

**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.**

## 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

### Applications

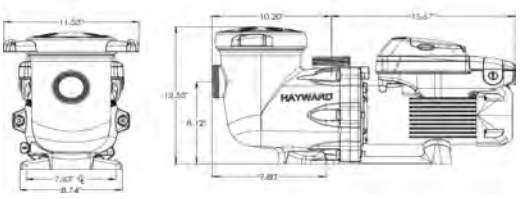
- In-ground pools
- In-ground spas

### 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.

### Overall Dimensions (inches) TriStar VS 900/950 Omni





For replacement parts see page 129.

# TriStar® VS 900 & 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 Ultra-High Efficiency Pumps

## 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

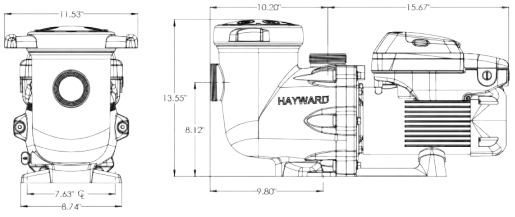
| | | Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| RPM | Percent Output | 10 ft | 20 ft | 30 ft | 40 ft | 50 ft | 60 ft | 70 ft |
| 1375 | 40% | 29 | — | — | — | — | — | — |
| 1725 | 50% | 55 | — | — | — | — | — | — |
| 2075 | 60% | 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 |

*For 230V

## Overall Dimensions (inches) TriStar VS 900 and 950




For replacement parts see page 130.

# TriStar® XE

ULTRA-HIGH EFFICIENCY PUMPS

EXPERT LINE



TriStar XE Pump

**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 U.S Dept. of Energy regulations in any new or existing pool.**

## Applications

- In-ground pools
- In-ground spas

## 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

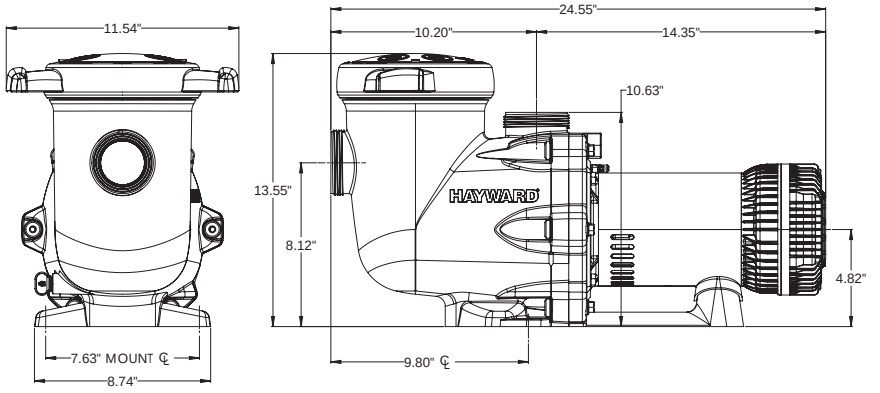
## Features

- 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 |

## Overall Dimensions (inches)






For replacement parts see page 132.

**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 Pump**

## 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 |
| **Energy Efficient Full Rated** | | | | | | | | | |
| SP3205EE | 87 | 76 | 62 | 45 | 8 | — | — | — | — |
| SP3207EE | 104 | 94 | 83 | 70 | 54 | 22 | — | — | — |
| SP3210EE | 132 | 121 | 110 | 97 | 81 | 60 | — | — | — |
| SP3215EE | 159 | 149 | 137 | 125 | 111 | 93 | 70 | — | — |
| SP3220EE | 187 | 175 | 161 | 146 | 130 | 110 | 80 | — | — |
| SP3230EE | 212 | 200 | 186 | 171 | 154 | 138 | 111 | 75 | — |
| SP3250EE | 240 | 227 | 213 | 193 | 182 | 168 | 150 | 118 | 80 |

## TriStar Buying Guide

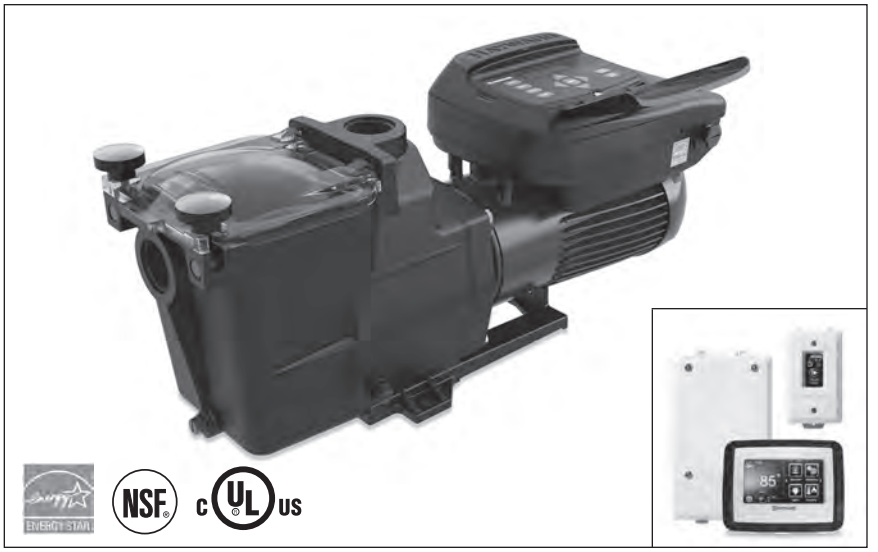
| Model Number | Total H.P. | WEF | Service Factor | Voltage at 60 Hz | Union Connections | Dim. "A" | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|---|---|
| **Energy Efficient Full Rated Single-Speed** | | | | | | | | |
| SP3205EE | 0.99 | - | 1.98 | 115/208-230 | 2" x 2 ½" | 13 5/8" | 1 | 42 lbs. |
| SP3207EE | 1.39 | - | 1.85 | 115/208-230 | 2" x 2 ½" | 13 7/8" | 1 | 44 lbs. |
| SP3210EE | 1.85 | - | 1.85 | 115/208-230 | 2" x 2 ½" | 14 3/8" | 1 | 47 lbs. |
| SP3215EE | 2.40 | - | 1.60 | 115/208-230 | 2" x 2 ½" | 14 7/8" | 1 | 51 lbs. |
| SP3230EE | 3 | - | 1.20 | 208-230 | 2" x 2 ½" | 15 | 1 | 65 lbs. |
| SP3250EE | 5.0 | 1.7 | 1.00 | 208-230 | 2" x 2 ½" | 17 1/8" | 1 | 66 lbs. |

For replacement parts see page 133.

# Super Pump® VS 700 (Omni®)

ULTRA-HIGH EFFICIENCY PUMPS

**EXPERT LINE**



Super Pump VS 700 Omni

**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.**

## 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 | 2" | Yes | 1 | 63 lbs. |
| SP2670020VSP* | 1.65 | 8.6/11.7 | 600–3450 | 230/115 | 2" | No | 1 | 63 lbs. |

**NOTE:** *Extended Warranty is 3 years

### Applications

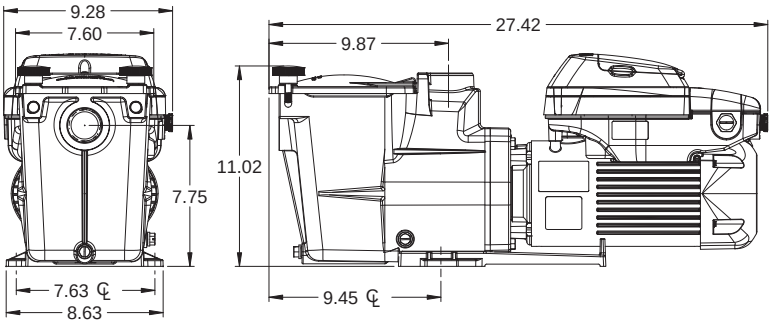
- In-ground pools
- In-ground spas

### Features

- Delivers up to 80% energy savings*
- 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.

### Overall Dimensions (inches)




### Performance Data for HL2670020VSP*

| 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



For replacement parts see page 137.

# Super Pump® XE

ULTRA-HIGH EFFICIENCY PUMPS



**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

## Super Pump XE Buying Guide

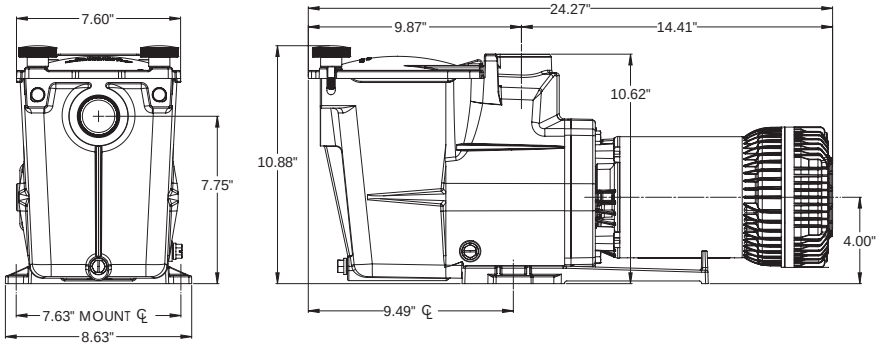
| Model Number | Total H.P. | Port Size | WEF | Speed Range | Voltage at 60 Hz | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|---|
| SP2610X15XE* | 1.65 | 2" | 8.3/8.3 | 40–100% | 230/115 | 1 | 34 lbs. |
| SP2615X20XE* | 2.25 | 2" | 8.0/7.9 | 40–100% | 230/115 | 1 | 37 lbs. |

**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 |

### Overall Dimensions (inches)

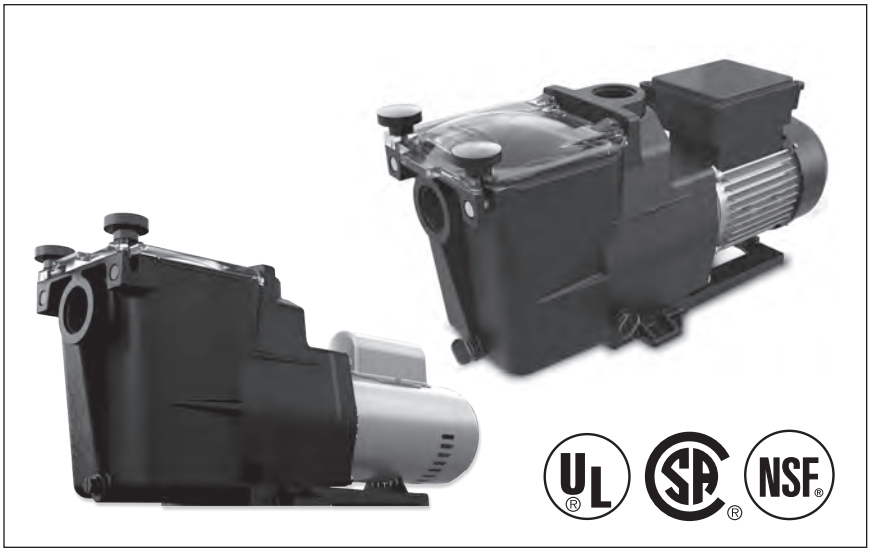



For replacement parts see page 138.

# Super Pump®

HIGH EFFICIENCY PUMPS

EXPERT LINE



Super Pump & Super Pump 700

**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

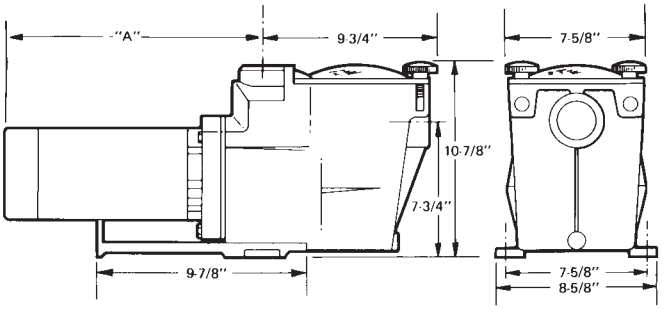
## Super Pump Buying Guide

| Model Number | Total H.P. | WEF | Voltage at 60 Hz | Port Size | Dim. "A" | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|---|
| **Super Pump 700 Single Speed** | | | | | | | |
| SP2670007X10C | 1.1 | 3.4 | 230/115 | 2" | 13 1⁄8" | 1 | 35 lbs. |
| SP2670010X15C | 1.50 | 3.4 | 230/115 | 2" | 13 1⁄8" | 1 | 40 lbs. |
| **Super Pump Single-Speed** | | | | | | | |
| SP2600X5A | 0.60 | 4.3 | 115 | 2" | 14 1⁄4" | 1 | 29 lbs. |
| SP2605X7A | 0.85 | 3.9 | 230/115 | 2" | 14 1⁄4" | 1 | 32 lbs. |
| SP2607X10A | 1.1 | 3.4 | 230/115 | 2" | 14 1⁄2" | 1 | 35 lbs. |
| SP2610X15A* | 1.50 | - | 230/115 | 2" | 15 3⁄8" | 1 | 40 lbs. |
| SP2615X20A* | 2.00 | - | 230/115 | 2" | 15 7⁄8" | 1 | 48 lbs. |
| SP2621X25A* | 2.50 | - | 230 | 2" | 16 3⁄8" | 1 | 54 lbs |
| **Super Pump Two-Speed** | | | | | | | |
| SP2607X102S | 1.0 | 4.5 | 230 | 2" | 13 3⁄8" | 1 | 39 lbs. |
| SP2610X152S* | 1.50 | - | 230 | 2" | 13 3⁄4" | 1 | 43 lbs. |

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

*Not DOE comliant. Not approved for sale in U.S.

## Overall Dimensions (inches)




## 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 |
| SP2670007X10C | 74 | 64 | 54 | 40 | 13 | — |
| SP2670010X15C | 83 | 74 | 64 | 52 | 36 | — |

| 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 |
| SP2600X5A | 48 | 38 | 23 | — | — | — |
| SP2605X7A | 61 | 52 | 41 | 25 | — | — |
| SP2607X10A | 74 | 64 | 54 | 40 | 13 | — |
| SP2610X15A | 83 | 74 | 64 | 52 | 36 | — |
| SP2615X20A | 122 | 111 | 98 | 84 | 66 | 39 |
| SP2621X25A | 117 | 108 | 97 | 86 | 73 | 58 |

| Max Rated Model No. | Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head) | | | | | |
|---|---|---|---|---|---|---|
| | 5 ft | 10 ft | 15 ft | 20 ft | 25 ft | 30 ft |
| SP2607X102S | 44 | 31 | 5 | — | — | — |
| SP2610X152S | 42 | 32 | 18 | — | — | — |



For replacement parts see page 141.

**Super II is the proven design for both 1 1/2" and 2" high performance installations. Its hydraulic efficiency allows greater flow at lower operating costs. The additional riser base makes Super II a drop-in replacement for most aftermarket installations.**

## 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

- Full-flow hydraulics allow greater flow at a lower cost of operation
- Save electricity and money with high efficiency single-speed and two-speed models
- 155-cubic-inch basket has rigid construction including load-extender ribbing for free-flow operation
- See-through cover so pool owners know exactly when to empty the extra-large debris basket
- Second base included to align Super II with STA-RITE®, DURA-GLAS® and other pumps for easy retrofit installations
- Self-priming (suction lift up to 10' above water level)
- Includes pump lid removal tool



SP3015X20A 2 H.P. Super II Pump

## Super II Pump Buying Guide

| Model Number | Total H.P. | Rated H.P. | Service Factor | Voltage at 60 Hz | Port Size | Dim. "A" | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|---|---|
| **Standard Efficient Max Rated Single-Speed**** | | | | | | | | |
| SP3005X7A | 0.75 | ¾ | 1.00 | 115/230 | 1 ½" | 14 ⅛" | 1 | 35 lbs. |
| SP3007X10V* | 1.10 | 1 | 1.10 | 115/230 | 1 ½" | 14 ½" | 1 | 38 lbs. |
| SP3010X15V* | 1.50 | 1 ½ | 1.00 | 115/230 | 2" | 15 ⅝" | 1 | 43 lbs. |
| SP3015X20A | 2.00 | 2 | 1.00 | 115/230 | 2" | 16 ⅝" | 1 | 51 lbs. |
| **Energy Efficient Max Rated Dual-Speed**** | | | | | | | | |
| SP3010X152S | 1.50 | 1 ½ | 1.00 | 230 | 2" | 14" | 1 | 46 lbs. |

| Model Number | Description | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| **Accessory** | | | |
| SPX3100T | Pump Strainer Tool – For 6 ½" cover/lid | 25 | 14 lbs. |
| RSX750PAK1C | Unions Pack (set of 2) | 1 | 2 lbs. |

*A standard seal, V Viton seal
**Not DOE comliant. Not approved for sale in U.S

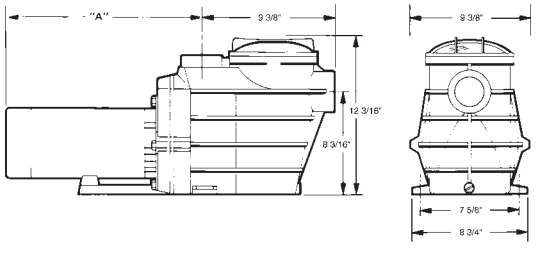
## Performance Data

| Max Rated 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 |
| SP3005X7A | 47 | 38 | 26 | 12 | — | — |
| SP3007X10V | 63 | 55 | 46 | 32 | — | — |
| SP3010X15V | 89 | 80 | 69 | 56 | 34 | — |
| SP3015X20A | 112 | 102 | 90 | 75 | 56 | — |

## Performance Data – Low Speed

| Max Rated Model No. | Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head) | | | | | |
|---|---|---|---|---|---|---|
| | 5 ft | 10 ft | 15 ft | 20 ft | 25 ft | 30 ft |
| SP3010X152S | 56 | 46 | 34 | 13 | — | — |

## Overall Dimensions (inches)

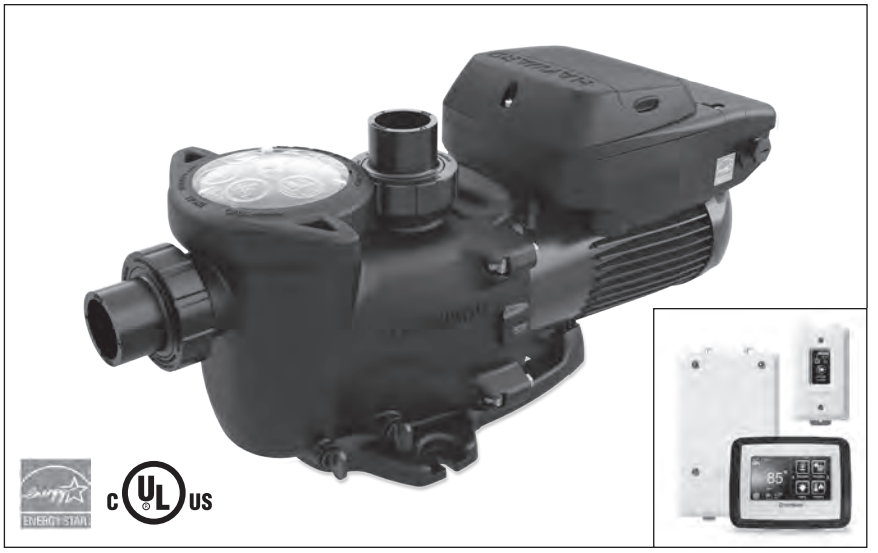



For replacement parts see page 136.

# 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

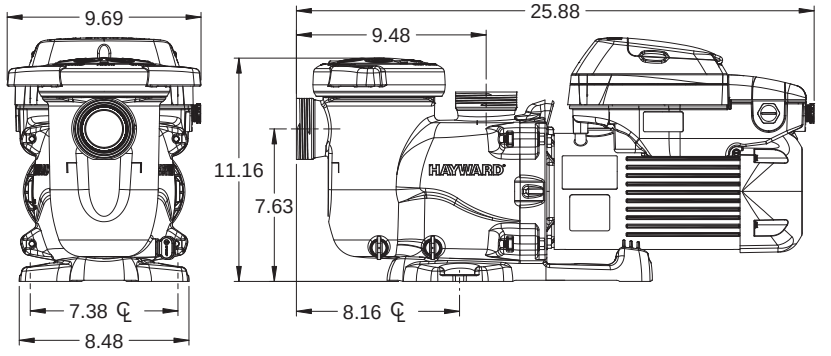
- In-ground pools
- In-ground spas

### Features

- Delivers up to 80% energy savings*
- 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
- New upgraded dual-voltage motor drive maintains optimal operating efficiency for long-lasting performance
- Advanced, chemical-resistant Viton seal enhances durability in all environments

*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 142.

# MaxFlo® XE

ULTRA-HIGH EFFICIENCY PUMPS



**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




**MaxFlo XE**

## MaxFlo XE Buying Guide

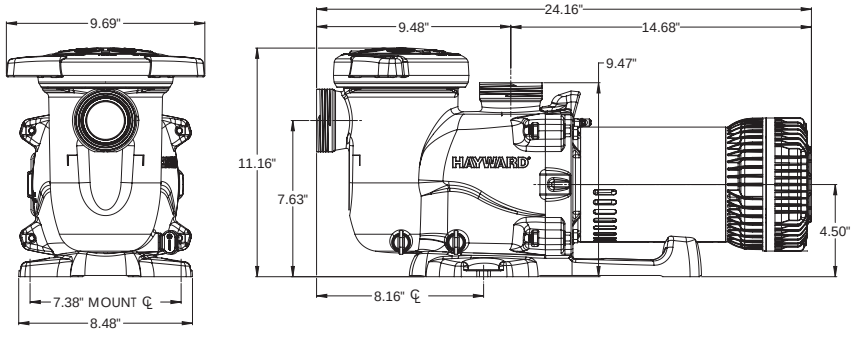
| Model Number | Total H.P. | WEF | Speed Range | Voltage at 60 Hz | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|
| SP2310X15XE* | 1.65 | 9.7/9.7 | 40–100% | 230/115 | 1 | 37 lbs. |
| SP2315X20XE* | 2.25 | 8.4/8.7 | 40–100% | 230/115 | 1 | 37 lbs. |

**NOTE:** *Extended Warranty is 3 years

### 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 | — |

### Overall Dimensions (inches)




For replacement parts see page 143.

# PowerFlo Matrix & PowerFlo II

ABOVE GROUND/ON GROUND PUMP SERIES




SP5610 1HP PowerFlo Matrix Pump

**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 froma vertical to a horizontal discharge and back again. It's large profile and integrated styling makes the PowerFlo Matrix a swimming pool pump like no other.**

## Features

- On/Off switch
- 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
- Heavy-duty, high performance motor with integrated automatic thermal overload protector for years of operation
- High quality Noryl impeller with wide openings to prevent clogging by leaves and debris
- Durable, corrosion-proof housing for years of dependable service and all-weather performance
- Heat-resistant, double-sized seal for long-lasting efficiency
- Energy-efficient, protected rear mounted switch
- Integral drain plug for easy winterization of pump
- Unions included

## Performance Data in U.S gallons

| Model No. | Pump Output (GPM) vs. Total Resistance To Flow (Feet of Head) | | | | |
|---|---|---|---|---|---|
| | 10 ft | 20 ft | 30 ft | 40 ft | 50 ft |
| SP5610 | 86 | 86 | 75 | 58 | 27 |
| SP5615 | 91 | 91 | 80 | 62 | 32 |

## PowerFlo Matrix Buying Guide

| Model Number | H.P. | Voltage | Pipe Size | Cord Size | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|
| SP5610 | 1 | 115 | 1 1/2" | 25' | 1 | 25 lbs. |
| SP5610ET** | 1 | 115 | 1-1/2" | 25' | 1 | 25 lbs. |
| SP5615 | 1-1/2 | 115 | 1-1/2" | 25' | 1 | 25 lbs. |
| SP56152* | 1-1/2" | 115 | 1-1/2" | 25' | 1 | 25 lbs. |

* 2 Speed Pump
**Electric Timer

**Optional Accessories**

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



VL2280 1HP PowerFlo II Pump

**The PowerFlo II self priming pump has been quality built and engineered to give you many years of efficient performance, in entry level markets. The non-conductive, corrosion-proof motor housing provides protection from the elements and insulates the electrical motor parts from outside contact.**

## Features

- Exclusive quarter turn hand knobs make strainer cover removal easy
- Lexan see-thru strainer cover lets you see when basket needs cleaning
- All components molded of corrosion proof PermaGlass XL and stainless steel for extra durability and long life
- Heavy-duty, high performance motor for quieter, cooler operation

## PowerFlo II Buying Guide

| Model Number | H.P. | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| VL2280 | 1 | 1 | 27 lbs. |
| VL2285 | 1.5 | 1 | 27 lbs. |

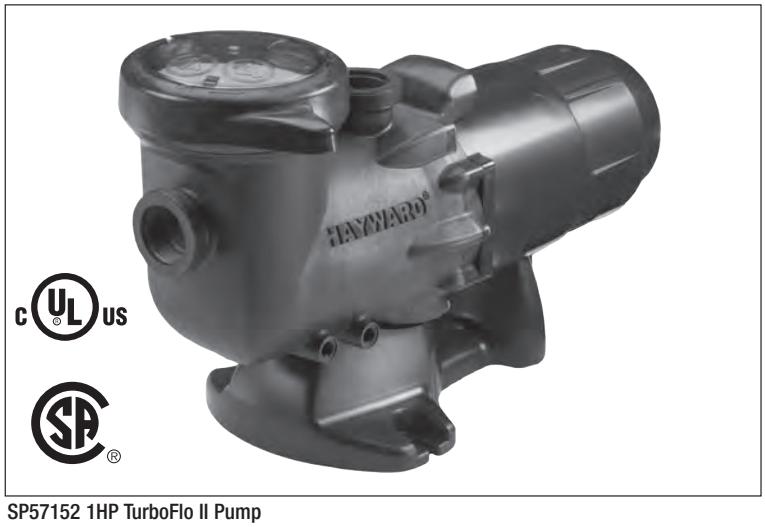


For replacement parts see page 151-152.

# TurboFlo II

ABOVE GROUND PUMP SERIES

**The TurboFlo II has been designed to provide years of worry free operation and has been engineered as a uniquely superior above ground swimming pool pump. The non-conductive, corrosion-proof motor housing provides protection from the elements and insulates the electrical motor parts from outside contact. The advanced design of the TurboFlo II reduces operation and maintenance to simple, common sense procedures. With self lubricating motor bearings and shaft seals, no lubrication is necessary.**




SP57152 1HP TurboFlo II Pump

### Features

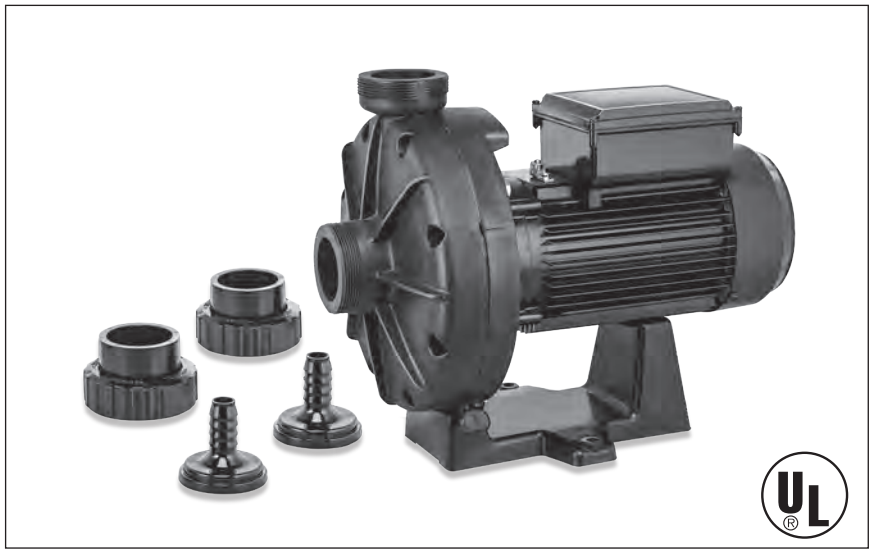
- Corrosion proof motor housing for years of worry free operation
- Super quiet motor operation
- Ergonomic handle for easy carrying
- Exclusive quad lock cover for easy cover removal and cleaning
- Large leaf holding capacity strainer basket which dramatically extends time between cleanings
- See through strainer cover lets you see when the strainer basket needs to be cleaned
- 110 Volt Plug (25′ Long)

## TurboFlo II Pump Buying Guide

| Model Number | H.P. | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| SP5710 | 1 | 1 | 29 lbs. |
| SP5715 | 1.5 | 1 | 31 lbs. |
| SP57152 (2-speed) | 1.5 | 1 | 32 lbs. |
| SP57152ET (2-speed with timer) | 1.5 | 1 | 32 lbs. |

# Booster Pump 300

**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.**



Booster Pump 300

### 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 Buying Guide EXPERT LINE

| Model Number | Total H.P. | Rated H.P. | Service Factor | Voltage at 60 Hz | Ctn. Qty. | Ctn. Weight | DOE Compliant* |
|---|---|---|---|---|---|---|---|
| HSP30060** | 1.25 | 3/4 | 1.67 | 115/208-230 | 1 | 31 lbs. | Y |

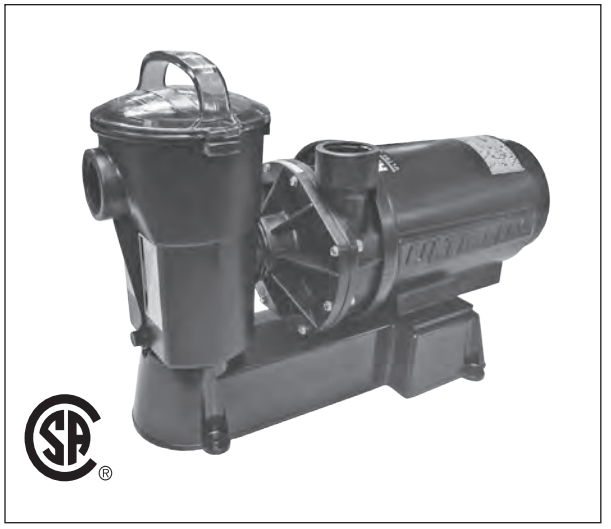
**NOTE:** *Extended Warranty is 2 years

For replacement parts see page 156.

# UltraPro & UltraMax

ABOVE GROUND PUMP SERIES





SP2290 1 H.P. Ultra-Pro Pump

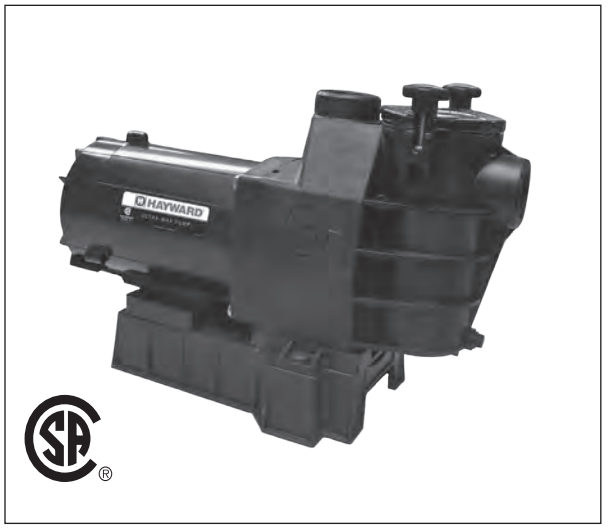
**The UltraPro pump has been quality-built and engineered to give you many years of efficient, dependable service. The non-conductive, corrosion-proof motor housing provides protection from the elements and insulates the electrical motor parts from outside contact.**

**The advanced design reduces operation and maintenance to simple, common-sense procedures.**

## UltraPro Pump Buying Guide

| Model Number | H.P. | Voltage | Pipe Size | Cord Size | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|
| **Max Rated Single-Speed** | | | | | | |
| SP2290 | 1 | 115 | 1 ½" | 25' | 1 | 27 lbs. |
| SP2295 | 1 ½ | 115 | 1 ½" | 25' | 1 | 30 lbs. |
| SP22952* | 1 ½ | 115 | 1 ½" | 25' | 1 | 30 lbs. |

* Two Speed




SP2910 1 H.P. UltraMax Pump

**UltraMax self priming pump has been quality-built and engineered to give many years of efficient, dependable service. For above-ground and on-ground pools requiring quiet self-priming performance.**

### Features

- Exclusive swing-aside hand knobs make strainer cover removal easy
- Lexan® see-thru strainer cover lets you see when basket needs cleaning
- Strainer basket is 50% larger and incorporates an integral non-corrosive handle. Load extender ribbing ensures free flowing operation
- All components molded of corrosion proof PermaGlass XLTM for extra durability and long life
- Heavy-duty, high performance motor for quieter, cooler operation
- Service-ease design gives simple access to all internal parts

## UltraMax Pump Buying Guide

| Model Number | H.P. | Voltage | Pipe Size | Cord Size | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|
| **Max Rated Single-Speed** | | | | | | |
| SP2910 | 1 | 115 | 1 ½" | 25' | 1 | 29 lbs. |
| SP2915 | 1 ½ | 115 | 1 ½" | 25' | 1 | 30 lbs. |



For replacement parts see page 153-154.

**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:**

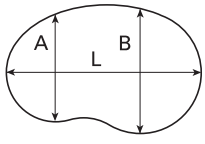
1. How much water do we have (Pool Capacity)?
2. How fast can we safely move the water (Turnover Rate and Water Velocity)?
3. How much resistance will this water meet while moving through the system (Friction Loss)?
4. How will we overcome this resistance (Pump/Filter Sizing)?

**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).**

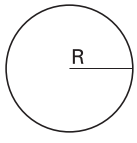
## 1. Pool Capacity

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

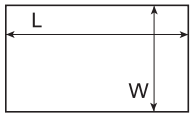
### 1A. Surface Area




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*

# Hydraulics

THE BASICS OF PUMP/FILTER SIZING

### 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:

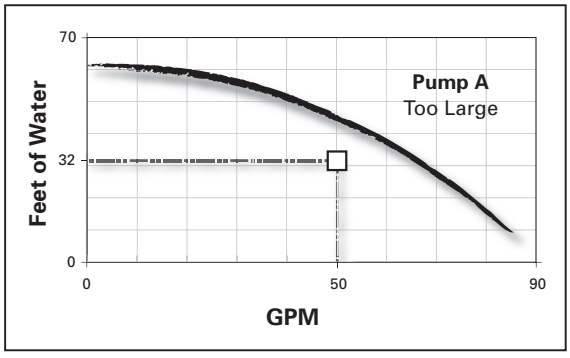
Desired Flow = _____ GPM

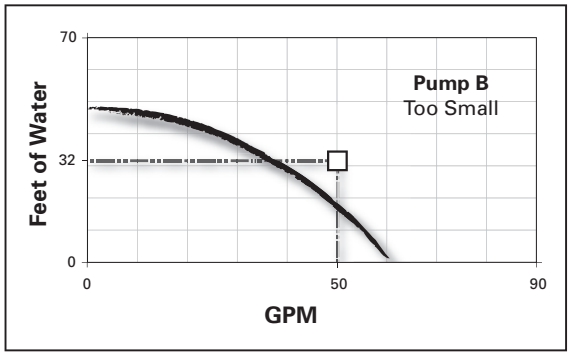
Total Dynamic Head = _____ ft of water

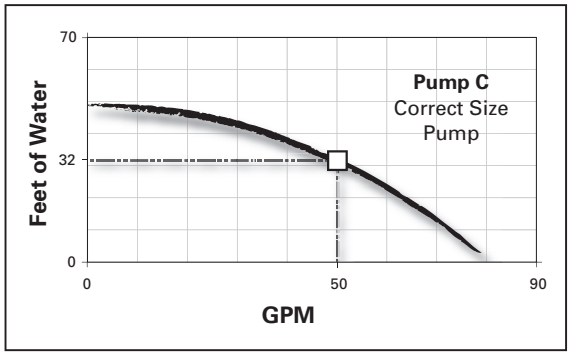
Using Hayward Pump Performance Curves or Tables, identify which pump's performance comes closest to matching the point where the Desired Flow intersects with the Total Dynamic Head.

*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.

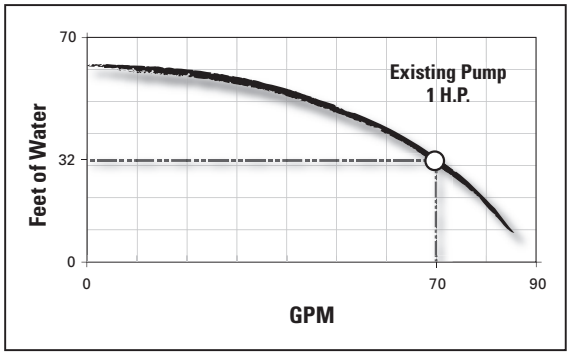
Total Dynamic Head = _____ ft of water

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 cannot 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:

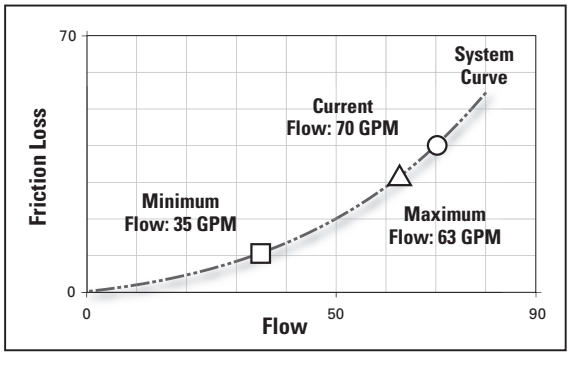
_____ ft of water x (_____ GPM ÷ _____ GPM)$^2$ = _____ ft of water
(current friction loss) (new flow rate) (current flow rate) (new friction loss)

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

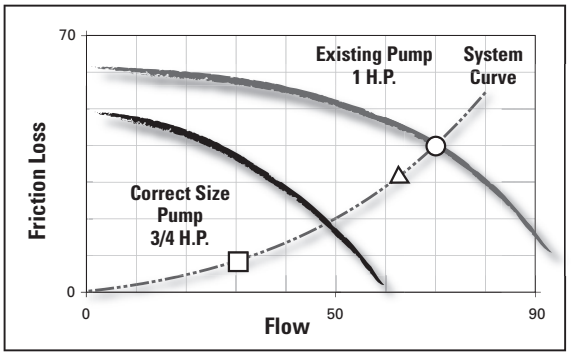
Flow Rate per Water Velocity Requirement = 63 GPM
Friction Loss = (32 ft of water) x (63 GPM ÷ 70 GPM)$^2$ = 26 ft of water



# 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 locate rate
**Estimated. It is recommended to use a wattmeter to determine the actual power consumption.

### 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.

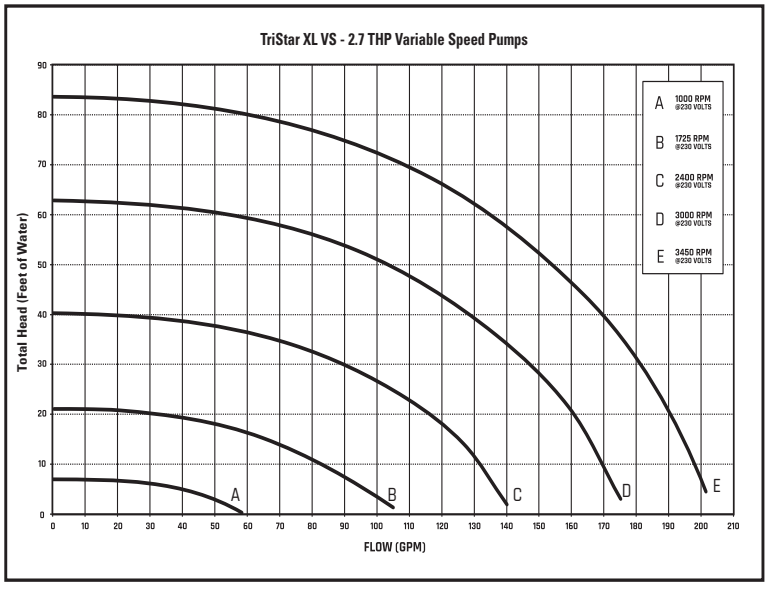
## Summary

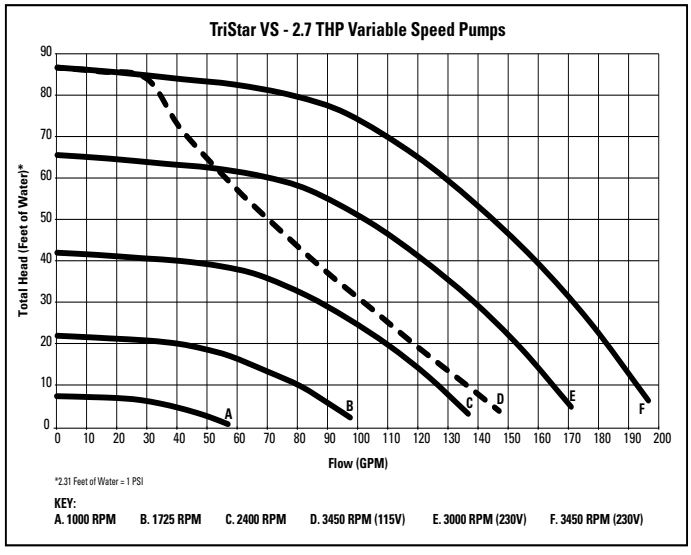
Using the information calculated above, you can properly size the pump, filter, and corresponding equipment, assuring you meet Turnover Rate and Water Velocity requirements while eliminating the electrical waste and potential damage to other system components associated with a needlessly oversized pump.

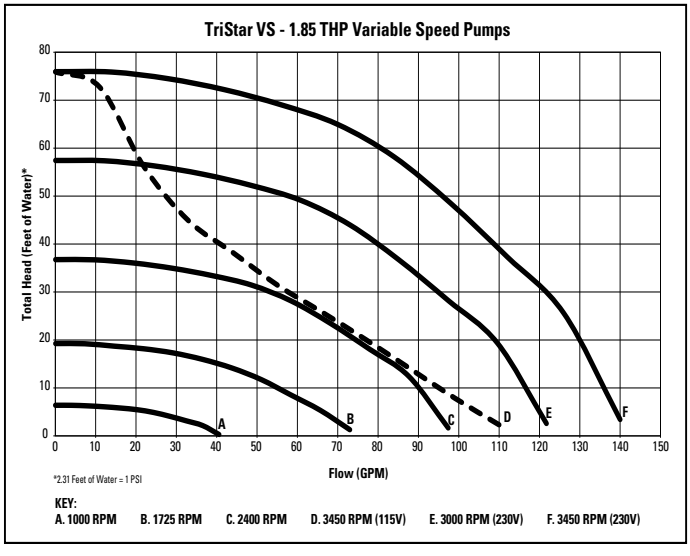
# Hydraulics

## PUMP PERFORMANCE CURVES

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. 19–22 for tips to properly size pumps for both new and existing installations.



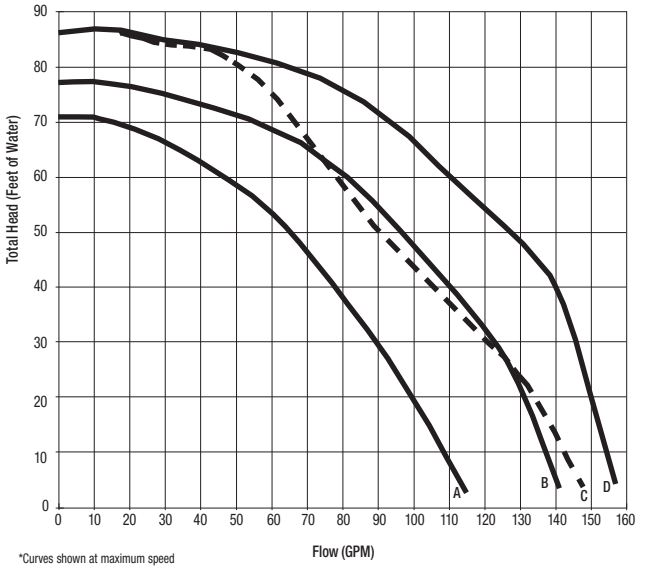



# Hydraulics

PUMP PERFORMANCE CURVES (continued)

### TriStar XE Performance Comparison*

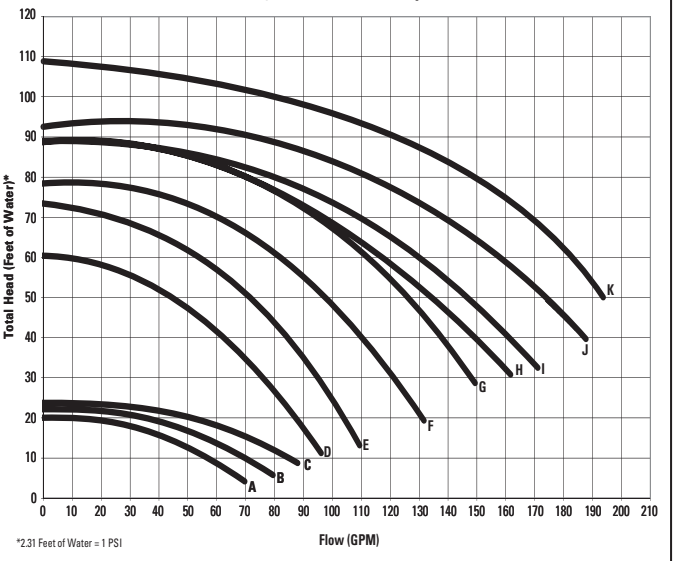



*Curves shown at maximum speed

KEY:

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

### TriStar High Performance Pumps

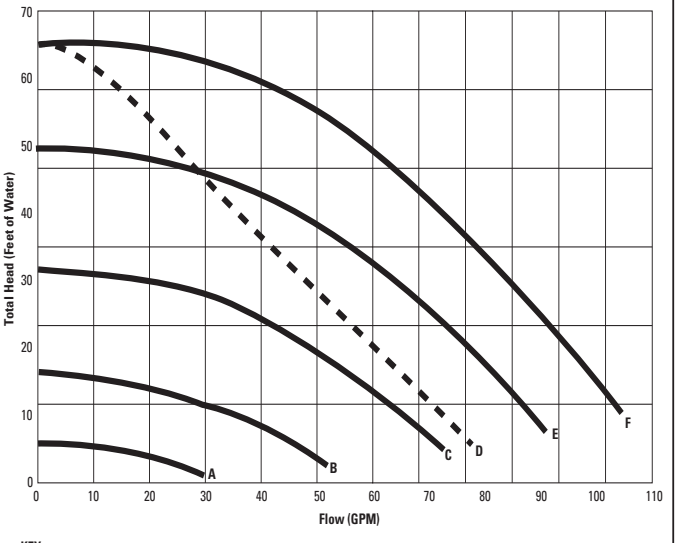



*2.31 Feet of Water = 1 PSI

KEY:

A. SP32102EE; SP3210X152 (Low Spd) D. SP3205EE; SP3205X7 G. SP3215EE; SP3215X20 J. SP3230EE; P3225X30
B. SP32152EE; SP3215X202 (Low Spd) E. SP3207EE; SP3207X10 H. SP3220X25 K. SP3250EE
C. SP32202EE; SP3220X252 (Low Spd) F. SP3210EE; SP3210X15 I. SP3220EE

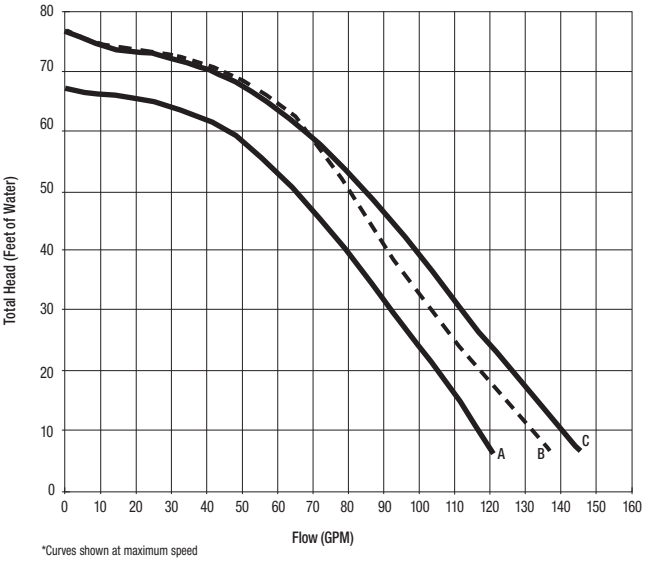
### Super Pump VS 700 Performance Comparison




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*

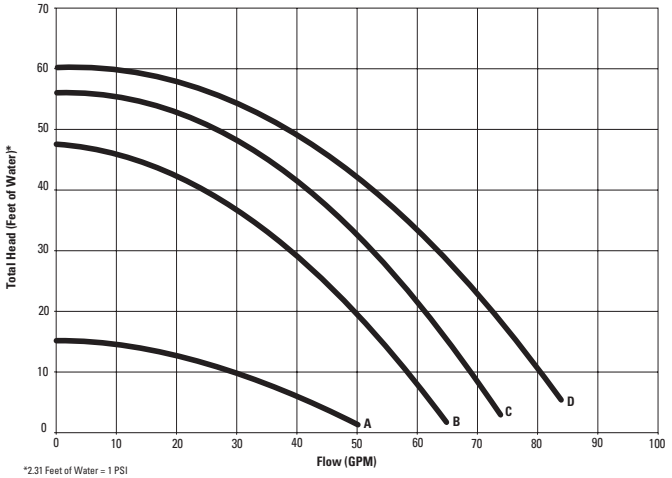



*Curves shown at maximum speed

KEY:

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

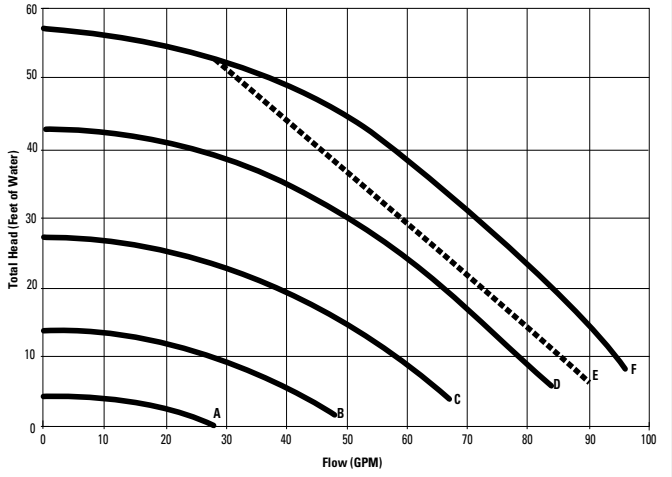
### Super Pump Medium Head Pumps




*2.31 Feet of Water = 1 PSI

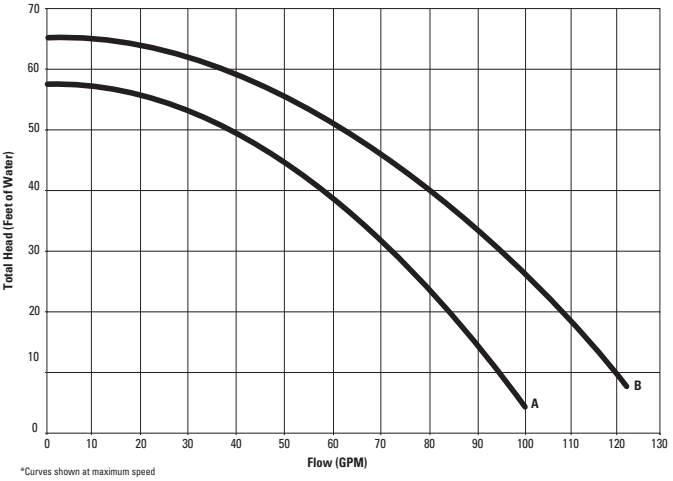
**KEY:**
**A. SP2607X102S (Low Speed) B. SP2600X5 C. SP2605X7 D. SP2670007X10; SP2607X10**

### 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**

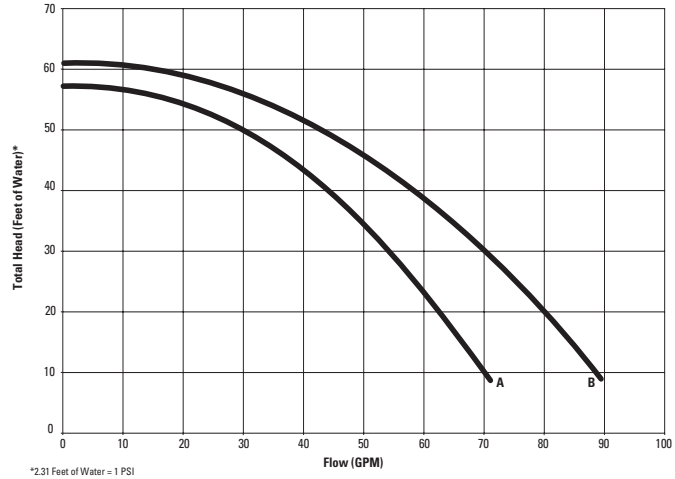
### MaxFlo XE Performance Comparison*




*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.



For replacement parts see page 158-161.

**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 |
| C200SC | 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 |
| C200SC | 200 ft.$^2$ | 75 GPM | 36,000 | 45,000 |

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




**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. |
| C200SC | 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".

For replacement parts see page 162-163.

# StarClear™ Plus

CARTRIDGE FILTERS

**EXPERT LINE**






**C900 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. |

**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 |

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 |

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.



For replacement parts see page 166-167.

**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




**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. |

## 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.

For replacement parts see page 168-169.

# XStream® Filtration Series

ABOVE-GROUND FULL-FLO CARTRIDGE FILTER

**EXPERT LINE**






CC150CAN XStream Filter

**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 Cartridge System Buying Guide

| Model Number | Dimensions Width | Height | H.P. | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|
| CC150CAN | 21" | 33 ¼" | 1 | 1 | 25 lbs. |

## Performance Data

| Filter | Effective Filtration Area | Design Flow Rate | Turnover (In Gallons) | |
|---|---|---|---|---|
| | | | 8 Hours | 10 Hours |
| CC150CAN | 150 ft.² | 120 GPM | 57,600 | 72,000 |



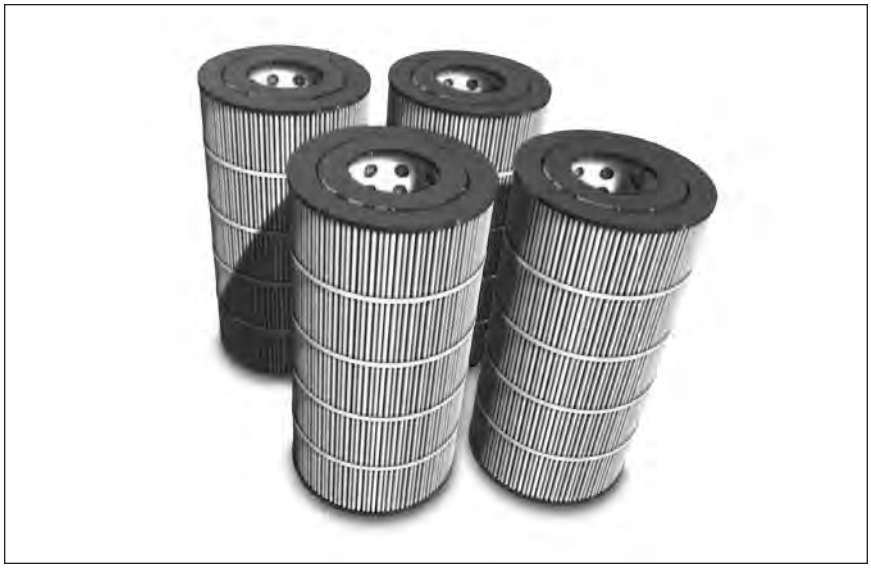
For replacement parts see page 191.

# 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.**



Genuine Replacement Cartridges

## 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 Hayward name and part number molded into uniquely coloured end caps for easy identification as a Hayward Genuine Part
- Compatible with all pool sanitizers

## Cartridge Elements Buying Guide

| 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 D.E. FILTER



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

**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

## 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** | | | | | |
| 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 | 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.

## Performance Data – Valve Positions

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



For replacement parts see page 174-175.

**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




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




DE3620 ProGrid Filter with 2-position Slide Valve

## ProGrid D.E. Filter Buying Guide

| 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** | | | | | |
| 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 – Valve Positions

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

## 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).

For replacement parts see page 176-177.

# D.E. Separation Tank

PLEATED ELEMENT AND VERTICAL GRID D.E. FILTERS




**C9002SEP Separation Tank with 2" FIP connections**

**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

## D.E. Separation Tank Buying Guide

| 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** | | | | |
| 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. |

**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 backwashing, 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.**




**EC75A Basic Perflex Filter**

## 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 Extended-Cycle D.E. Filter Buying Guide

| 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. |

## 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 page 180-181.

# ProSeries™ Plus

TOP-MOUNT AND SIDE-MOUNT SAND FILTERS





S311SXV ProSeries Plus 31" Filter with 2" Slide Valve



S360SX ProSeries Plus 36" Filter

**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, colourfast 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

## ProSeries Plus 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** | | | | | |
| 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. |

## Performance Data – Filter

| Model Number | Effective Filtration Area | Design Flow Rate* | Turnover (In Gallons) 8 Hours | Turnover (In Gallons) 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 | • | — | — | — | — | — |



For replacement parts see page 182-183.

**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, colourfast 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

## Performance Data – Filter

| Model Number | Effective Filtration Area | Design Flow Rate* | Turnover (In Gallons) | |
|---|---|---|---|---|
| | | | 8 Hours | 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 | • | — | — | — | — | — |




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




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

## 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. |
| 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** | | | | | |
| 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 | Qty. | Ctn. Weight | Ctn. |
|---|---|---|---|---|
| **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. | |

For replacement parts see page 184-189.

# ProSeries™

TOP-MOUNT SAND FILTERS – S220T, S220T2, S244T, S244T2, S270T, S270T2 AND S310T2 MODELS






S244T2 ProSeries 24" Filter with 2" VariFlo Control Valve




S310T2 ProSeries 30" Filter with 2" VariFlo Control Valve

**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 (residential or commercial)
- 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, colourfast 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

## ProSeries Buying Guide — EXPERT LINE

| Model Number | Valve | Sand Capacity | Dimensions Width | Dimensions Height* | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|
| S220TC | 1 ½" VariFlo | 250 lbs. | 22 ½" | 41" | 1 | 44 lbs. |
| S244TC | 1 ½" VariFlo | 300 lbs. | 24 ½" | 42" | 1 | 46 lbs. |
| S244T2 | 2" VariFlo | 300 lbs. | 24 ½" | 42" | 1 | 46 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** | | | | | |
| 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** | | | |
| S160TPAK3 | Universal pump and filter mounting base, complete with clear pump-to-filter hose, pipe adapters and hardware. Pre-drilled for MaxFlo®, Super® and Super II™ Pumps. | 1 | 12 lbs. |

## Performance Data – Filter

| Model Number | Effective Filtration Area | Design Flow Rate* | Turnover (In Gallons) 8 Hours | Turnover (In Gallons) 10 Hours |
|---|---|---|---|---|
| S220TC/T2 | 2.64 ft.² | 52 GPM | 24,960 | 31,200 |
| S244TC/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 | • | • | • | • | • | • | — |



For replacement parts see page 184-189.

**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




**S166T ProSeries 16" Filter with VariFlo Control Valve**




**S180TC ProSeries 18" Filter with VariFlo Control Valve**

## 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. |
| S180TC | SP0714T | • | 150 lbs. | 18 ½" | 35" | 1 | 32 lbs. |
| S210TC | SP0714T | • | 200 lbs. | 20 ½" | 38" | 1 | 37 lbs. |

## 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 |
| S180TC | 1.75 ft.² | 35 GPM | 16,800 | 21,000 |
| S210TC | 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 page 184-189.

# Filtration

THREE METHODS OF FILTRATION

**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.



High-Rate Sand Filter



Cartridge Filter



Vertical Grid Diatomaceous Earth (D.E.) Filter

# HeatPro VS®

VARIABLE-SPEED HEAT AND COOL HEAT PUMP



**Engineered to be just as high-performing as our industry-leading HeatPro heat 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 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.**




HP50952T HeatPro VS

## 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 194-195.

# Heat Pumps

VARIABLE-SPEED AND TRADITIONAL HEAT PUMPS






HP50CLEE Variable-Speed Heat Pump

## Variable-Speed Heat Pump Buying Guide EXPERT LINE

| Model Number | BTU | Compressor | Voltage Hertz/Phase | Circuit Amps | Diameter Width x Depth | Height | Weight (lbs.) |
|---|---|---|---|---|---|---|---|
| Energy Efficient Variable-Speed Heat Pumps | | | | | | | |
| HP50AEE | 43,000 | Rotary | 208-230V | 12 | 41 x 17” | 30" | 152 |
| HP70AEE | 65,000 | Rotary | 208-230V | 17 | 46 x 19” | 34” | 160 |
| HP50CLEE | 46,500 | Rotary | 208-230V | 12 | 41 x 17” | 30” | 128 |
| HP65CLEE | 57,000 | Rotary | 208-230V | 14.6 | 46 x 19” | 34” | 218 |
| HP75CLEE | 65,600 | Rotary | 208-230V | 16.9 | 46 x 19” | 34” | 225 |

## Traditional Heat Pump Buying Guide

| Model Number | BTU | Compressor | Voltage Hertz/Phase | Circuit Amps | Diameter Width x Depth | Height | Weight (lbs.) |
|---|---|---|---|---|---|---|---|
| Traditional On/Off Heat Pumps | | | | | | | |
| HP50CL | 45,000 | Rotary | 208-230V | 12 | 41 x 18” | 26" | 128 |
| HP65CL | 59,100 | Scroll | 208-230V | 15.5 | 38 x 14” | 24” | 218 |
| HP80CL | 68,400 | Scroll | 208-230V | 17.5 | 44 x 18” | 34” | 225 |
| HP50A1 | 45,000 | Rotary | 208-230V | 12 | 41 x 19” | 27” | 128 |
| HP70A1 | 72,000 | Rotary | 208-230V | 19 | 48 x 19” | 35” | 234 |

**The high performance, energy-efficient Hayward Variable-Speed heat pumps quietly and economically maintain your ideal water temperature at all times and have up to 50% higher energy savings than traditional heat pumps. Featuring a super quiet Mitsubishi inverter compressor and variable-speed ventilation system, which provides an extremely quiet swimming environment, while maintaining the perfect pool temperature at all times.**

### Applications

- In-ground pools
- Above ground pools

### Features

- Industry-leading energy efficiency with up to 50% higher energy savings than traditional heat pumps
- Soft start technology leads to lower energy consumption
- Up to 10 times quieter vs. traditional heat pumps
- Soft start technology startsat xero and slowly increases to a higher speed, leading to a stable current and lower energy consumption
- Designed to operate at low ambient temperatures to extend the swimming season earlier in the spring and later in the fall

**Hayward Traditional heat pumps provide energy efficient solutions to your pool heating options. With its Quiet Technology, Hayward heat pumps heat pool water more efficiently while maintaining a quiet relaxed backyard environment. Depending on individual use and application of your pool, a heat pump may be right for you.**

### Applications

- In-ground pools
- Above ground pools

### Features

- Energy efficient
- Quiet operation
- Designed to operate at low ambient temperatures to extend the swimming season earlier in the spring and later in the fall



For replacement parts see page 206-227.

# Summit Heat Pumps

FOR IN-GROUND POOLS AND SPAS



**Created to reliably provide an efficient, comfortable and relaxing pool environment, Summit heat pumps deliver the ultimate in quiet backyard performance. With the most durable heat exchanger combination of a titanium condenser and corrosion resistant evaporator, Summit heat pumps ensure value, reliability and durability. AHRI Certified and Independent lab tested.**

## Applications

- In-ground pools

## Features and Benefits

- 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




Summit SUM5TAC Haet Pump

## Specifications & Dimensions

| Model Number | BTU | C.O.P. | Platform | Voltage Hertz/Phase | Circuit Amps | Diameter Width x Depth | Height | Weight (lbs.) Unit |
|---|---|---|---|---|---|---|---|---|
| SUM45TAC | 90,000 | 6.2 | Square | 240/60/1 | 40 | 30" x 34" | 37" | 205 |
| SUM5TAC | 110,000 | 6.0 | Square | 240/60/1 | 50 | 30" x 34" | 37" | 237 |
| SUM8TAC | 140,000 | 6.0 | Square | 240/60/1 | 60 | 30" x 34" | 44" | 268 |

**Quiet Technology**



Profiled fan blade design provides improved airflow and quiet operation.



Acoustic compressor cover further reduces compressor sound levels.

**Titanium Heat Exchanger**



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

**Corrosion Resistant Evaporator**



Ultra Gold corrosion resistant evaporator coil fin provides excellent durability near coastal and other corrosive environments.

**Digital L.E.D. Control Panel**




Easy to read digital temperature display with electronic frost control and temperature lock-out capability.

For replacement parts see page 228-229.

# Universal HC Series

DUAL-FUEL TECHNOLOGY GAS HEATER

**EXPERT LINE**





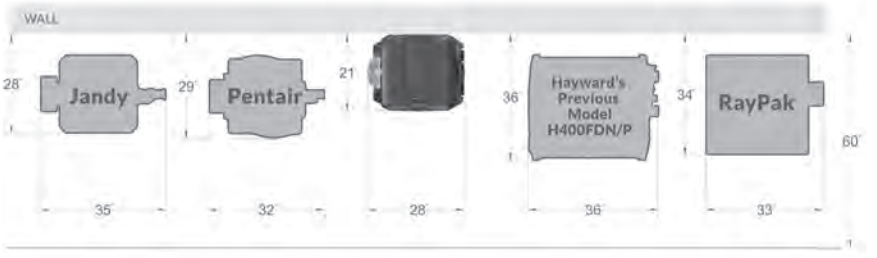
Universal HC Series Heater

**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

- 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

*Among leading competitive brands



For replacement parts see page 230-231.

# 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.**



Adapter Kit for Universal H-Series Heaters

### Applications

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

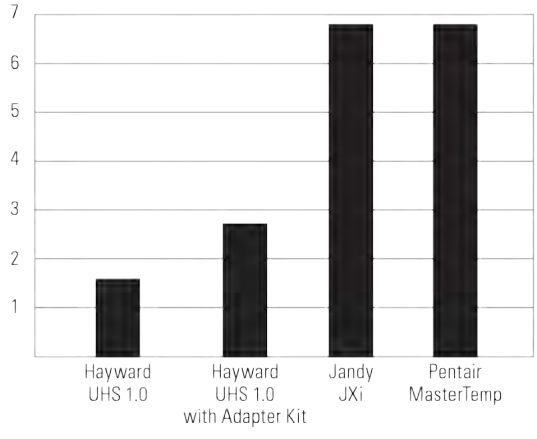
### Features and Benefits

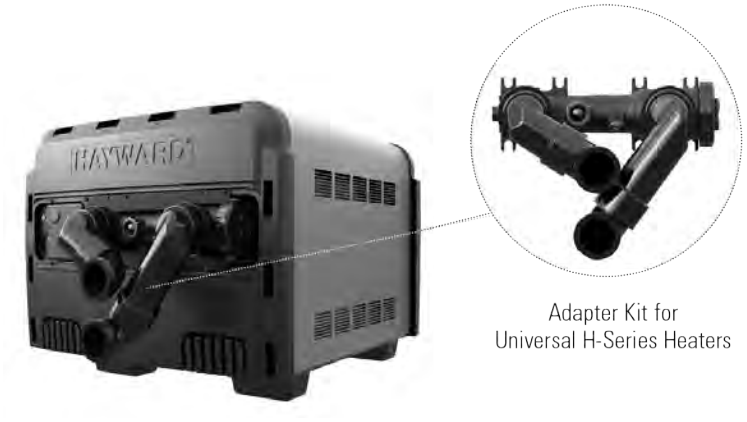
- Convenient to install; just align, adapt, and connect
- Compatible with existing water plumbing, saving time and cost
- Greatly decreases heater pressure drop for better overall heating performance.
- Innovative, low-profile configuration

## 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. |

**MEASURED PRESSURE DROP AT 60 GPM**




Adapter Kit for Universal H-Series Heaters

# Universal H-Series Low NOx

FOR IN-GROUND POOLS AND SPAS

**All models INCLUDE Cupro Nickel Long Life Heat Exchanger!**






H400FDN Universal H-Series Low NOx Heater

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.

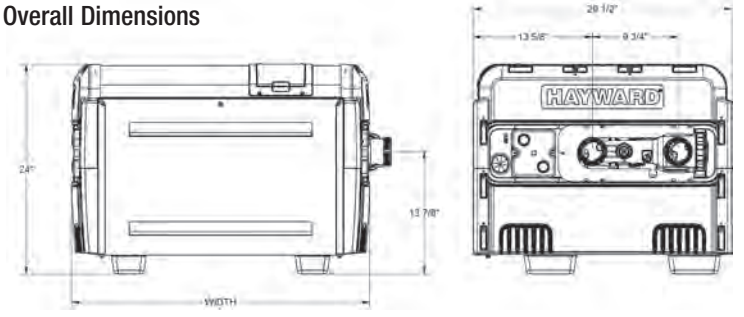
Note: Hayward Universal H-Series heaters meet or exceed the South Coast Air Quality Management District (SCAQMD Rule 1146.2). Low NOx emissions standards in all Low NOx areas that apply the SCAQMD standard.

## Specifications & Dimensions — EXPERT LINE

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

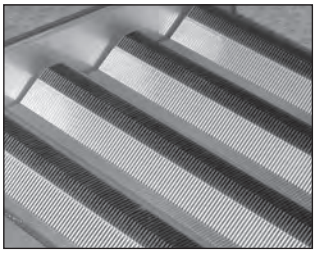
| Model Number | Gas Type | BTU Input | Thermal Efficiency | Heater Width | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|
| H150FDN<br>H150FDP | Natural<br>Propane | 150,000 | 82.7% | 19" | 1 | 135 lbs. |
| H200FDN<br>H200FDP | Natural<br>Propane | 199,900 | 83.0% | 22" | 1 | 140 lbs. |
| H250FDN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

### Overall Dimensions



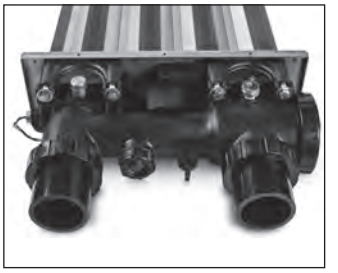

### FOR INDOOR/OUTDOOR USE
**(Indoor use requires vent kit)**

### 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.

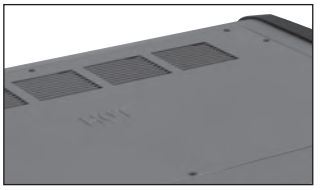
### Patented Bypass Design for Superior Hydraulic Performance



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 232-233.

## Negative vs. Positive Vent Pressure

### NEGATIVE vent pressure

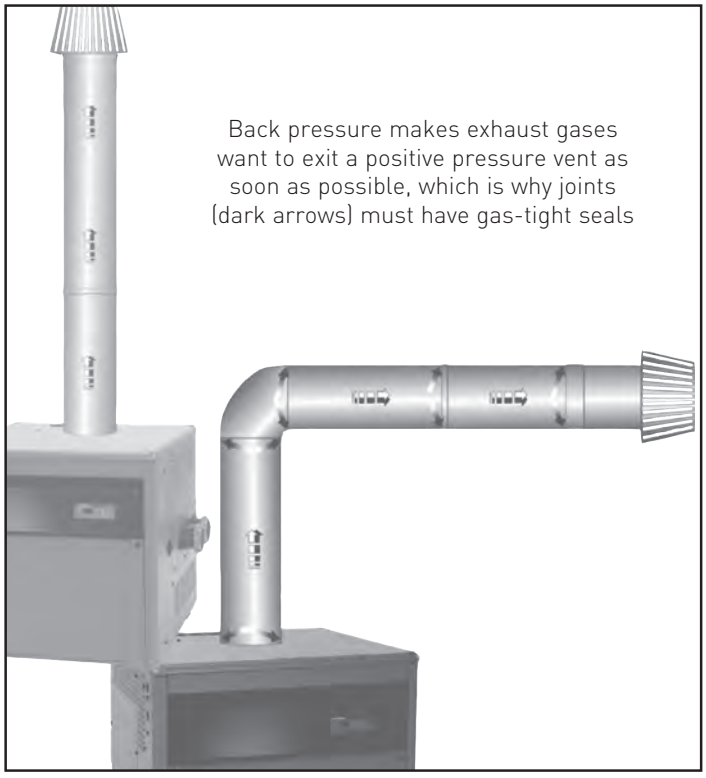
By definition, gases inside a negative pressure vent are under no pressure to escape and will simply exit upward (since hot air rises) through a properly designed, mostly vertical Negative Vent System.

**Vent joints in a negative pressure do NOT need to be gas-tight, but may need to be taped if required by local codes.**

### POSITIVE vent pressure

By definition, gases inside a positive pressure vent are under pressure to escape and will as soon as possible. However, allowing exhaust gases to escape through system leaks would be unacceptable and potentially fatal.

**Therefore, vent joints in a positive vent system must be gas-tight, which requires installation of special vent piping.**



Back pressure makes exhaust gases want to exit a positive pressure vent as soon as possible, which is why joints (dark arrows) must have gas-tight seals



### As a General Rule ...

- **A negative pressure system must be mostly vertical and must have vertical termination**
- **A positive pressure system may be mostly horizontal and may utilize horizontal or vertical termination.**

**Vent Sizing**

Vents must be sized according to heater manufacturer specs. Below are general specifications for Negative and Positive venting of Hayward IDL, IDL2 and Universal H-Series heaters.

| Negative | Positive |
|---|---|
| 50 ft. max vertical height | Positive venting solutions must be utilized any time negative vent criteria cannot be attained. |
| 25 ft. max horizontal length | 50 ft max with 1 elbow |
| Horizontal length cannot exceed 1/2 of vertical height | 40 ft max with 2 elbows |
| 3 elbows max. | 30 ft max with 3 elbows |
| Single- or Double-Wall Galvanized Non-Sealed Vent Pipe. | Single- or Double-Wall Stainless Steel Sealed Vent Pipe. |

# Universal H-Series Indoor Vent Kit Matrix

INDOOR VENT ADAPTER KITS



## 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) | | | (40) Foot MAXIMUM with (2) ELBOWS | |
| | UHXPOSHZ12504 | 4 inch (Natural) | | | | |
| H400FD | UHXPOSHZ14008 | 8 inch (LP) | | | (30) Foot MAXIMUM with (3) ELBOWS (horizontal or vertical) | |
| | UHXPOSHZ14006 | 6 inch (Natural) | | | | |

| Description | Part No. | |
|---|---|---|
| **Horizontal Kits H150-H250** | **EZ-Vent** | **CI Plus** |
| 18" straight pipe | IDXLLEN1930* | UHXHD6PIPE18 |
| 24" straight pipe | IDXLLEN1931 | UHXHD6PIPE24 |
| 36" straight pipe | -- | UHXHD6PIPE36 |
| 90º elbow | IDXLELB1930 | UHXHD6ELBOW |
| Term Straight Cap | IDXLCAP1930 | UHXHD6STERM |

| Description | Part No. | |
|---|---|---|
| **Horizontal Kits H400** | **EZ-Vent** | **CI Plus** |
| 18" straight pipe | FDXLLEN1931 | UHXHD8PIPE18 |
| 24" straight pipe | FDXLLEN1930 | UHXHD8PIPE24 |
| 36" straight pipe | -- | UHXHD8PIPE36 |
| 90º elbow | FDXLELB1930 | UHXHD8ELBOW |
| Term Straight Cap | FDXLCAP1930 | UHXHD8STERM |

*IDXLLEN1930 is adjustable from 6" to 19"

## 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 | | | | | |
| H400FD | UHXNEGVT14008 | 8 inch (Natural / LP) | | | | |

# 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<br>200 | UHXPOSHZ11**50**6<br>UHXPOSHZ1**200**6 | 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 | UHXPOSHZ1**250**6 | 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) | UHXPOSHZ1**250**4 | 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 |
| 400 | UHXPOSHZ1**400**8 | 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 | UHXPOSHZ1**400**6 | 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 |

*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.

# H-Series

HEATER FOR ABOVE-GROUND POOLS AND SPAS





H135IDI H-Series 135,000 BTU Heater

**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

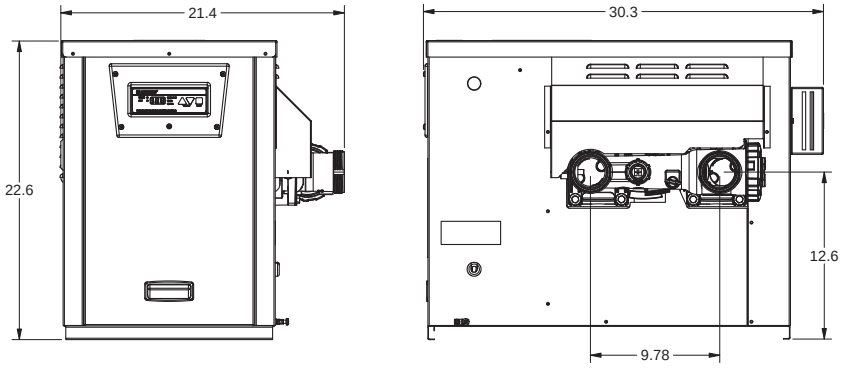
## Features

- 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

## H-Series Buying Guide

| Model Number | Gas Type | BTU Input | Thermal Efficiency | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|
| **120 Volt 60 Hz with Silicon Nitride Hot Surface Ignition** | | | | | |
| H135ID1 | Natural | 135,000 | 82% | 1 | 100 lbs. |
| H135IDP1 | Propane | 135,000 | 82% | 1 | 100 lbs. |

## Overall Dimensions






For replacement parts see pages 238-239.

# Spa Heaters

**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



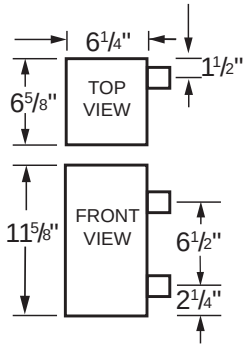

CSPAXI Series Heater

## Spa Heater Buying Guide

**CSPAXI Electric Spa Heaters**

| Model Number | KW | Voltage | Pipe Size | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|
| CSPAXI55 | 5.5 | 240 | 1 ½" | 1 | 14 lbs. |
| CSPAXI11 | 11 | 240 | 1 ½" | 1 | 14 lbs. |

### Overall Dimensions




For replacement parts see pages 240-241.

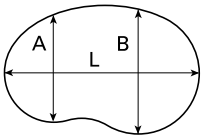
# Heater Selection Guide

SELECTING THE CORRECT SIZE HEATER FOR POOLS & SPAS

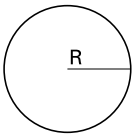


### Pool Sizing

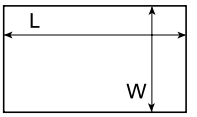
Determine your pool's surface area in square feet:




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 Universal H-Series for Swimming Pools

| Model | Surface Area |
|---|---|
| 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 – H250

### 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 Universal H-Series 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 | | | | | | | | |
| 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

**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 | 3/4" | 1 | 1 | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" |
| | 50 to 100 | 1 | 1 | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" |
| | 100 to 200 | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | 1 1/2" | 1 1/2" | 2 |
| | 200 to 300 | 1 1/4" | 1 1/4" | 1 1/2" | 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 | 3/4" | 7/8" | 3/4" | 7/8" | 1 | 1 1/8" | 1 | 1 1/8" | 1 | 1 1/8" | 1 | — | 1 | — |
| | 50 to 100 | 3/4" | 1 1/8" | 1 | 1 1/8" | 1 | 1 1/8" | 1 | — | 1 1/4" | — | 1 1/4" | — | 1 1/4" | — |
| | 100 to 200 | 1 | 1 1/8" | 1 | — | 1 1/4" | — | 1 1/4" | — | 1 1/4" | — | 1 1/4" | — | 1 1/4" | — |
| | 200 to 300 | 1 | — | 1 1/4" | — | 1 1/4" | — | 1 1/4" | — | 1 1/4" | — | 1 1/2" | — | 1 1/2" | — |

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 | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" |
| | | 50 to 100 | 1/2" | 1/2" | 1/2" | 1/2" | 3/4" | 3/4" | 3/4" |
| | | 100 to 150 | 1/2" | 1/2" | 1/2" | 3/4" | 3/4" | 3/4" | 3/4" |
| | Second Stage** | 0 to 10 | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" | 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 | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" |
| | | 50 to 100 | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 5/8" | 1/2" | 5/8" | 1/2" | 5/8" |
| | | 100 to 150 | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 5/8" | 1/2" | 5/8" | 1/2" | 5/8" | 1/2" | 5/8" |
| | Second Stage** | 0 to 10 | 1/2" | 5/8" | 1/2" | 5/8" | 1/2" | 3/4" | 3/4" | 3/4" | 3/4" | 7/8" | 3/4" | 7/8" | 3/4" | 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.

# AquaVac® 600
ROBOTIC CLEANERS






AquaVac 6 Series

**The new Hayward AquaVac 600 cleaners are reinventing the robotic cleaner category in more ways than one. Engineered with 18 hydrocyclones, 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™ 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 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<br>Pool floor, wall and waterline |
| Cleaning Cycles | 2.5 Hours for full cycle<br>90 minutes for bottom only |
| Cleaning Schedule | Recurring 48-hour cleaning mode |
| Remote Control and WiFi Operation | N/A |
| Advanced Light Display | N/A |



Caddy Cart



Power Supply





For replacement parts see page 254-255.

# AquaVac QC

ROBOTIC CLEANER

**Equipped with intelligent microprocessorbased technology, AquaVac QC is recognized for its superior performance in reliability and efficiency. AquaVac makes sure virtually every area of your pool gets that much cleaner, and fast! The AquaVac 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

- Standard 4-hour complete cleaning cycle for full floor, walls, coves and waterline.
- Patented Quick Clean technology 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.




AquaVac QC

## AquaVac QC Buying Guide

| Model Number | Description | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| RC9730CTB | AquaVac 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 | |
|---|---|
| | AquaVac QC |
| Pool Coverage | Pool floor, walls, coves, waterline |
| Cleaning Cycle | 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 |

NOTE: *Tile may require foam roller option



Optional Premium Caddy Cart – RC99385 (sold separately)



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



For replacement parts see page 260-261.

# eVac & eVac Pro

ROBOTIC POOL CLEANERS




eVac & eVac Pro

**Both eVac and eVac Pro by Hayward® 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 eVac or cover the floor, walls, coves and waterline with eVac Pro, 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 (eVac); cleans pool floor, walls, coves and waterline (eVac Pro)

## 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 (eVac Pro 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.

## eVac & eVac Pro Buying Guide

| Model Number* | Description | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| **eVac** | | | |
| RC9738CTBY | eVac Robotic Cleaner with Caddy Cart | 1 | 48 lbs. |
| **eVac Pro** | | | |
| RC9738WCCTBY | eVac Pro Robotic Cleaner with Caddy Cart | 1 | 48 lbs. |
| **Accessories** | | | |
| RCX70101PAK2 | Replacement Filters (set of 2) | 5 | 4 lbs. |
| RCX70103PAK2 | Spring Clean-up Filters (set of 2) | 5 | 2 lbs. |

| Product Specifications | | |
|---|---|---|
| | eVac by Hayward® | eVac Pro 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 | |

**NOTE:** *Tile may require foam roller option



Caddy Cart – RC97385D included



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





For replacement parts see page 262-265.

# Navigator® V-Flex™

AUTOMATIC SUCTION CLEANER WITH V-FLEX™ TECHNOLOGY

**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 determines 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.**




Navigator V-Flex

## Navigator V-Flex Buying Guide

| Model Number | Description | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| 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' |

**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



Skimmer Vacuum Plate



VacLock™ Safety Wall Fitting



For replacement parts see page 266-267.

# 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 |
|---|---|---|---|
| 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' |

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



Skimmer Vacuum Plate



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 determines 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 page 270-271.

# AquaNaut® 250 & 450

AUTOMATIC SUCTION CLEANERS WITH V-FLEX™ TECHNOLOGY

**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.**



AquaNaut 250 & 450



## 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.

## 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' |

**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



Skimmer Vacuum Plate



VacLock™ Safety Wall Fitting

For replacement parts see page 274-277.

# AquaBug® & Penguin

AUTOMATIC SUCTION CLEANERS FOR ABOVE-GROUND POOLS

**EXPERT LINE**



500 AquaBug



100 Penguin

**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.

## 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
- Attractive 4-colour unitized cartons create a professional presentation that will stimulate sales

### 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 page 280-283.

**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

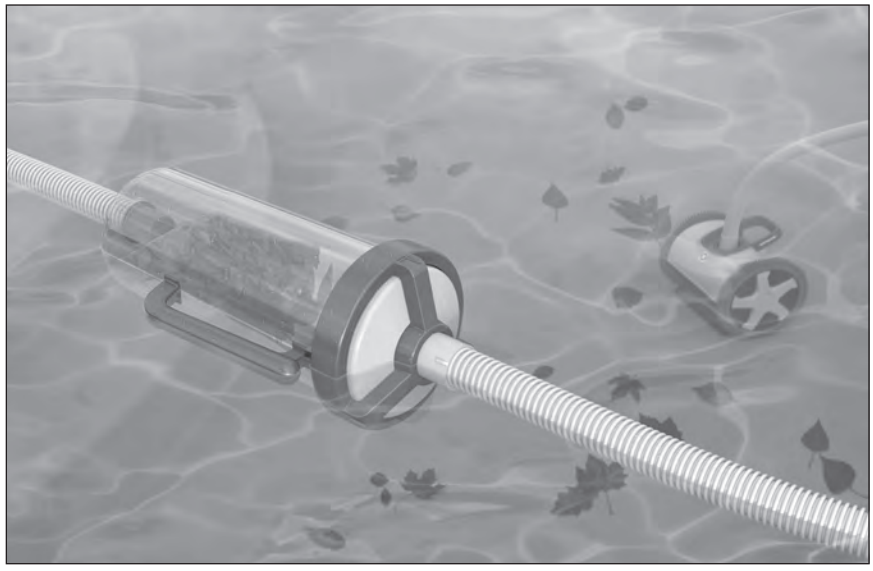
- Extra-large basket or bag traps leaves and debris before they reach the filter system
- Superior design ensures that water will always bypass debris and maintain proper water flow to pump
- Easy-open lid provides quick access to basket
- See-through body lets you see when basket needs cleaning



W560



W530



**Leaf/Debris Canisters**



## Debris/Leaf 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. |

# Accessories

TUNE-UP KITS

## Accessories Buying Guide

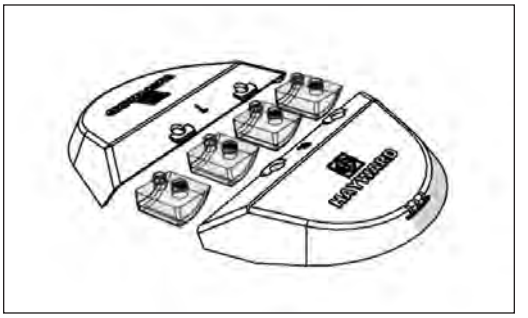
| Part Number | Description |
|---|---|
| **V-Flex™ Upgrade Kits** | |
| VVX3000SVKITWH | V-Flex Upgrade Kit Plus – Vinyl, White |
| **V-Flex™ Upgrade Kit Content** | |
| • V-Flex Turbine Kit<br>• Bearing Free A-Frame Kit and Retainer<br>• Replacement Shoes | • Replacement Wings<br>• Suction Inlet (Throat) |
| **V-Flex™ Upgrade Kit Plus** | |
| • V-Flex Turbine Kit<br>• Bearing Free A-Frame Kit and Retainer<br>• Replacement Shoes<br>• Replacement Wings | • Suction Inlet (Throat)<br>• **Pod Kit**<br>• **Front and Rear Flaps** |
| **V-Flex™ Complete Propulsion Kit** | |
| AXV925CCWHT | V-Flex Propulsion/Wing Conversion Kit – Concrete, White |

**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 new 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.**

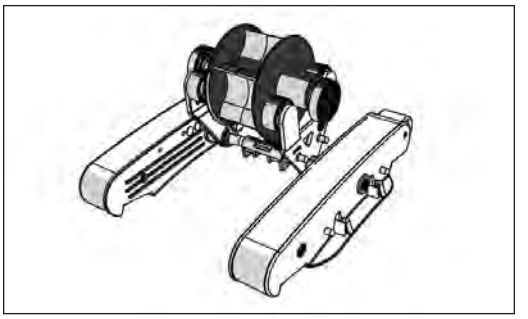
**Patented V-Flex variable vane technology allows for larger debris pickup more than any other cleaner on the market and maximizes suction power at lower flow for energy-efficient results, perfect for use with variable-speed pumps. All components within the upgrade kit improve the performance of debris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



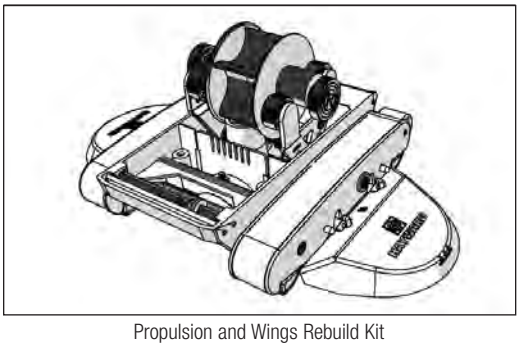
| Model Number | Description | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| **Suction Cleaner Accessories** | | | |
| V094P | In-line flow regulator valve | 10 | 3 lbs. |
| V574P | In-line flow gauge | 25 | 7 lbs. |
| V305P | PoolVac Classic™ and PoolVac Plus™ bumper (assists in steering clear of unusual 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. |



Wing and Shoe Maintenance Kit



A-Frame Turbine and Pod Tune Up Kit



Propulsion and Wings Rebuild Kit

# Automatic Cleaner Hose Guide

AUTOMATIC CLEANER HOSE SELECTION AND SIZING GUIDE

## 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**



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*<br>Replaces V532LG – V533LG | 1 | 9 lbs. |
| HSCHK100GRPK12 | 1M - Connector Hose 12 Pack, Gray*<br>Replaces V109LG - V130LG – V1032LG | 1 | 9 lbs. |
| HSLCHK120GR | Hose Kit 1 Leader, 11 Connector 40'*, Gray<br>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® | | | |
| 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. |
| Hayward Disc Cleaners | | | |
| DC178PAK8 | 32" - Leader Hose 8 Pack, Green* | 1 | 4 lbs. |
| DC176PAK24 | 32" - Connector Hose 24 Pack, Green* | 1 | 12 lbs. |
| DC2072PAK24 | 32" - Connector Hose 24 Pack, Silver* | 1 | 12 lbs. |

NOTES: *All hose lengths are approximate
AquaNaut Hoses are not interchangeable with PoolVac, Navigator and ABG Hoses. Mixing hoses will result in poor performance of cleaner.

# HydraPure™

UV AND OZONE ADVANCED OXIDATION SYSTEM

**EXPERT LINE**




HydraPure UV and Ozone Ozone System



NEW HydraPure UV, Ozone and AOP 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.

## 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

**Available while supplies last





For replacement parts see page 252.

**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, glardia and algae, for a cleaner, clearer swim — all with zero 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.**



Ultra UV$_2$

### 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, and algae micro-organisms
- Works with single or 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 |
|---|---|---|---|
| 004422202500 | Ultra UV$_2$ – 120V 1 Lamp | 1 | 23 lbs. |
| 004422202100 | Ultra UV$_2$ – 230V 1 Lamp | 1 | 23 lbs. |
| 004422202200 | Ultra UV$_2$ – 120V 2 Lamp | 1 | 23 lbs. |
| 004422202600 | Ultra UV$_2$ – 230V 2 Lamp | 1 | 23 lbs. |
| 004422202300 | Ultra UV$_2$ – 120V 3 Lamp | 1 | 23 lbs. |
| 004422202700 | Ultra UV$_2$ – 230V 3 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 88.9% 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 |

| Maximum Flow Rate | |
|---|---|
| **Lamps** | **Flow Rate (gpm)** |
| Single Lamp | 10-46gpm |
| Two Lamp | 20-80gpm |
| Three Lamp | 30-130gpm |

# Clear$O_3$

OZONE PURIFICATION




Clear$O_3$

## Clear$O_3$ Buying Guide

| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| 04402388000 | 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. |

**The Clear$O_3$ 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 irritate skin and have been linked to asthma and other ailments.**

**The Clear $O_3$ creates ozone using a proprietary UV bulb designed to excite 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
- 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 maintenance and bulb replacement

# Genuine Hayward TurboCells®

SALT CHLORINATION CELLS

**TurboCells 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 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 on S3 models
- Available in three sizes – 40,000, 25,000 and 15,000 gallons
- Automatically generates a self-renewing supply of chlorine to save 50% 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. Through independent test by leading authority in electrolytic cells, some generic cells have been shown to have 75% less operating life than a Hayward TurboCell.

## 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.




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 | 5 year | 1 | 4.3 lbs. |
| TCELL940* | Extended Life TurboCell 40,000 gallon | 5 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 | 4.2lbs. |
| TCELLS340X25 | TurboCell S3 40,000 gallon, 25 ft. cord | 3 year | 1 | 5.04 lbs. |

**NOTE:** *5-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.**



For replacement parts see page 250.

# CCELL

SALT CHLORINATION CELL





AquaRite 100 Salt Cell, CCELL

## CELL Buying Guide

| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| CCELL | AquaRite 100 Salt Cell, 30,000 gallon | 1 | 9.0 lbs. |

**NOTE:** 3-year warranty

**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 by 50%, luxurious salt chlorination has never been more budget friendly.**

### Applications

- For new or existing in-ground pools up to 30,000 gallons
- For use with Hayward AquaRite 100 systems
- Compatible with Hayward Salt & Swim 3C 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
- Clear vessel and replaceable cartridge provide chlorine production visibility, hassle-free cleaning and simple replacement

### 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.





For replacement parts see page 250.

**The AquaTrol Salt Chlorine Generator is designed specifically for above-ground pools up to 20,000 gallons. The AquaTrol has all the same functions and features of the AquaRite but with a lower chlorine output and is capable of operating over a "broad salt" range. A new firmware version allows the user to toggle between low salt (1,200 to 1,800 ppm) and normal salt (2,700 to 3,400 ppm) operation.**

## Applications

- For all residential above-ground pools up to 20,000 gallons.
- Suitable for new above-ground pools or retrofit.

## Features

- Quick and Easy 30 minute installation
- Capable of operating over a "broad salt" range
- Toggle between low salt and normal salt operation
- The best water quality attainable
  - soft silky feel — no more red eyes or dry skin
  - always crystal clear and ready for swimming
- Digital salt display and 7 diagnostic indicators
- Super chlorinate function
- Microprocessor automates all functions
- cUL and UL Listed

## Cell Mounting Options

- "RJ" models mount the cell directly to the return jet (on the outside of the pool)




AquaTrol above-ground salt chlorine generator and cell

## AquaTrol Broad Salt Buying Guide

| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| AQ-TROL-RJ-CUL | AquaTrol w/ return jet fittings, 20K gal TurboCell | 1 | 25 lbs. |



For replacement parts see page 249.

# AquaRite® 900 & AquaRite® XL

WITH TURBOCELL, FOR IN-GROUND POOLS




AquaRite 900 with Extended Life 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 (HLAQR940) 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 Series Buying Guide — EXPERT LINE

| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| AQR940* | AquaRite 900 Salt Chlorinator, with 40,000 gallon Extended Life TurboCell | 1 | 24 lbs. |
| AQR925* | AquaRite 900 Salt Chlorinator, with 25,000 gallon Extended Life TurboCell | 1 | 24 lbs. |
| AQR3CUL | AquaRite Salt Chlorinator, with 15,000 gallon TurboCell | 1 | 24 lbs. |

**NOTE:** *5-year warranty will be honored for units built prior to January 1, 2023.

## AquaRite XL Series Buying Guide

| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| AQR15XLCUL | AquaRite XL with 40,000 gallon TurboCell, 120v corded | 1 | 24 lbs. |
| AQR9XLCUL | AquaRite XL with 25,000 gallon TurboCell, 120v corded | 1 | 24 lbs. |
| AQR3XLCUL | AquaRite XL with 15,000 gallon TurboCell, 120v corded | 1 | 24 lbs. |

## TurboCell Buying Guide — EXPERT LINE

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

**NOTE:** *5-year warranty will be honored for units built prior to January 1, 2023.





For replacement parts see page 248.

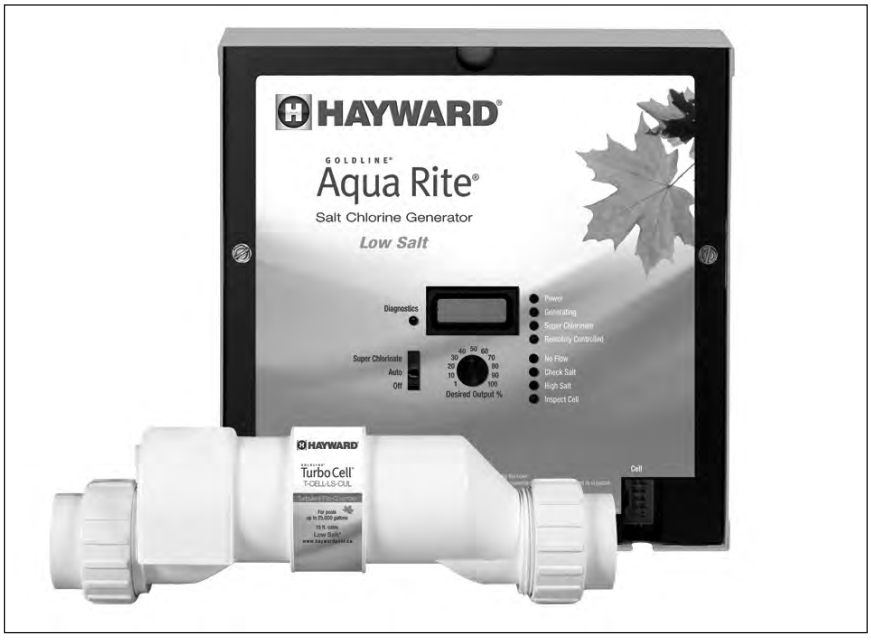
# AquaRite® Low Salt

SALT CHLORINATION FOR IN-GROUND POOLS

No more mixing, measuring and messing around with liquid or tablet chlorine. AquaRite Low Salt automatically turns common salt into a self-regenerating supply of pure chlorine. For pool and spa water that's clean, clear and luxuriously soft.

The key to AquaRite Low Salt chlorine generation is the TurboCell, a specially-designed converter connected to the control unit by a simple plug-in cord, and plumbed into the filter pump's return line to the pool. As water is pushed through the TurboCell, an extremely safe low-voltage electrical charge turns the salt previously added to the water into fresh, sanitizing chlorine which is then dispersed evenly throughout the pool via the return jets.

The AquaRite Low Salt chlorinator has the ability to stop producing chlorine at 800 ppm and operates at just 1200 - 3800 ppm, lower salt levels reduce corrosion concerns and is safer for the environment.




**AquaRite Low Salt**

## Applications

- For in-ground pools up to 30,000 gallons (113,500 L)
- Perfect for new or existing pools
- Perfect for replacing existing salt units

## Features

- Soft, silky-smooth water
- No more red eyes, itchy skin
- Reduces handling and storage of toxic chemicals
- No chlorine odor or bleaching of toys and clothes
- Even, consistent chlorine dispersion; no more unhealthy highs and lows
- User-friendly monitor system with LED service alerts
- No need for additional plumbing or parts
- Easy to use - one dial adjusts chlorine output
- NSF and CUL approved, PMRA registered

## Low Salt Chlorinator Buying Guide

| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| AQR-LS-CUL* | AquaRite Low Salt w/30K TurboCell, 120V/240V | 1 | 25 lbs. |
| AQRXL-LS-CUL | AquaRite XL Low Salt w/30K TurboCell, 120V w/ cord | 1 | 25 lbs. |

*EXPERT LINE



For replacement parts see page 248.

# AquaRite® S3
SALT CHLORINATION SYSTEM





AQRS340 AquaRite S3 Salt Chlorination System

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 colour 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.

## 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





For replacement parts see page 248.

# 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 by 50%, 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 shown with Salt Cell**

## AquaRite 100 Buying Guide

| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| AQR100 | AquaRite 100 with CCELL, dual voltage wiring | 1 | 22 lbs. |

## Salt Cell Buying Guide

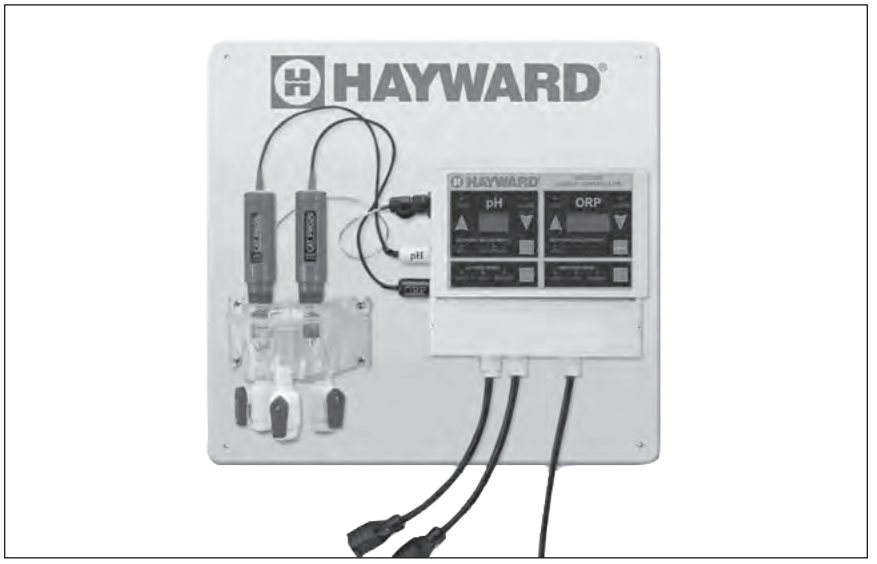
| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| CCELL | AquaRite 100 Salt Cell | 1 | 9 lbs. |



For replacement parts see page 247.

# HCC2000

AUTOMATION FOR AFTERMARKET POOLS AND SPAS




Perfect for swimming pools, spas and water features, the HCC2000 is a powerful yet affordable microprocessor-based pH and ORP water chemistry controller. The controller features proportional feed to ensure precise water chemistry maintenance, and operates using the Oxidation-Reduction Potential (ORP) method of water analysis to ensure rapid deactivation of such waterborned pathogens as E.coli in swimming pool water.

The HCC2000 provides the ultimate one stop shop experience, one unit pre-configured with everything required to make water chemistry management simple, convenient and affordable. This package includes the HCC2000 controller, flow cell and flow sensor, all now pre-mounted on a PVC backboard. PH and ORP sensors are also included.

## HCC2000 Buying Guide

| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| HCC2000 | HCC2000 Water Chemistry Controller for Fresh Water | 1 | 11 lbs. |
| HCC2000-AU | HCC2000 Water Chemistry Controller for Salt Water | 1 | 11 lbs. |

### Features

- Advanced microprocessor-based design technology
- 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

## HCC2000 Options

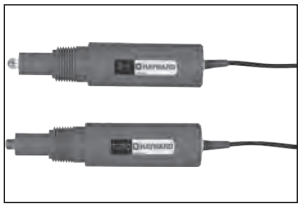
| Model Number | Description | Ctn Qty. |
|---|---|---|
| AQLCHEM4-PH-CUL | Acid Feed, 120V | 1 |
| AQLCHEM4-CL-CUL | Chlorine Feed, 120V | 1 |
| SV10075TE | Solenoid for C-250EXP/C500EXP | 1 |

## Universal pH & ORP Sensor Buying Guide

| Model Number | Description |
|---|---|
| HCX015 | pH Sensor |
| HCX025 | ORP Sensor for Fresh Water Pool/Spa |
| HCX025AU | ORP Sensor for Saltwater Pool/Spa |

### Features

- Compatible with virtually all chemical controllers as a system upgrade
- Shielded BNC connectors for chemical resistance
- Low maintenance Porous Teflon fluid junction
- Superior protection against infusion and diffusion
- Poly-Pro solid polymer technology



### Universal pH & ORP Sensors

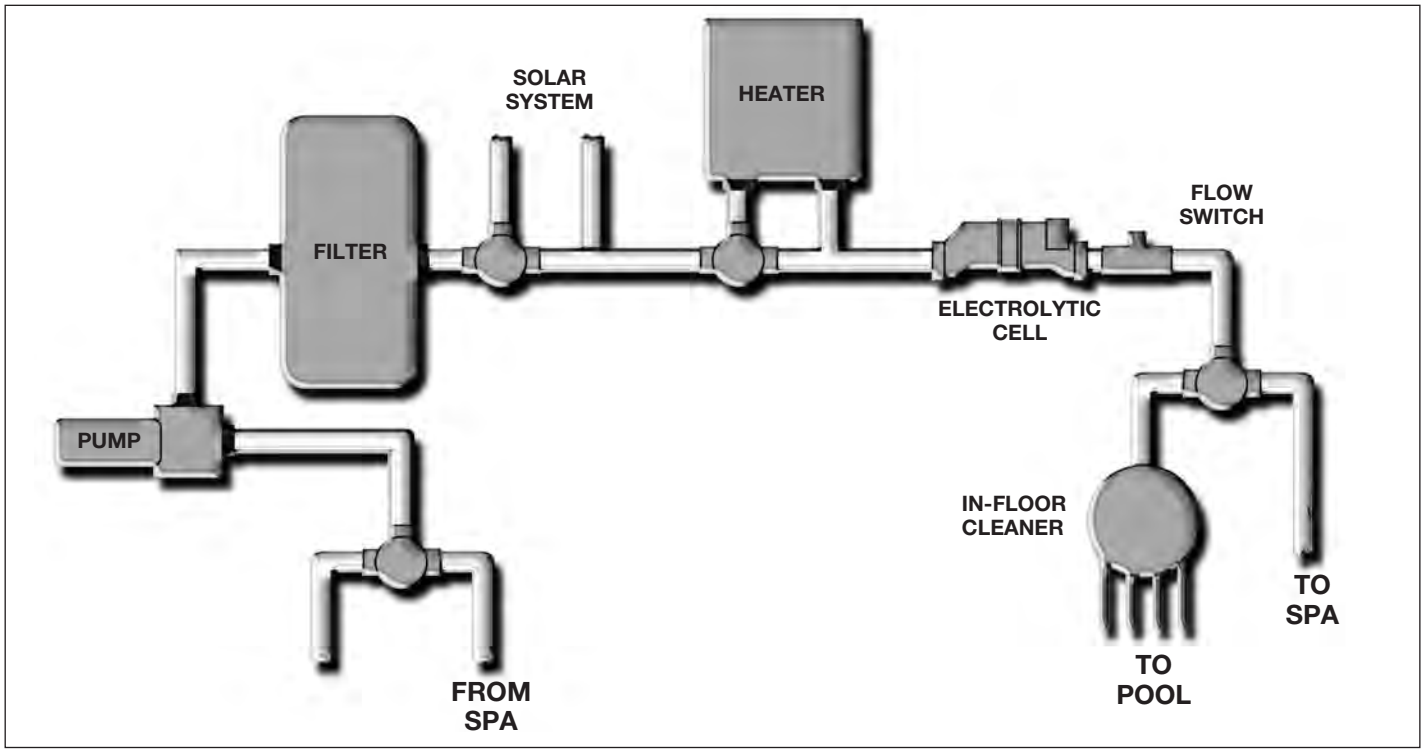
Dependable and affordable commercial grade sensors for use with virtually all automated chemistry controllers.

The Hayward series of Universal Commercial grade sensors are the next generation in sensor technology. They incorporate a Poly-Pro™ solid polymer reference technology matched with a patented Teflon fluid junction for unparalleled performance and longevity.

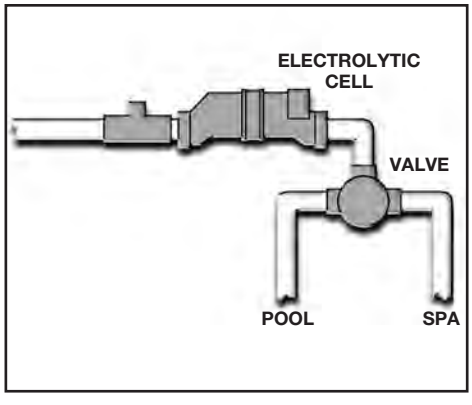
# Chlorinator Cell



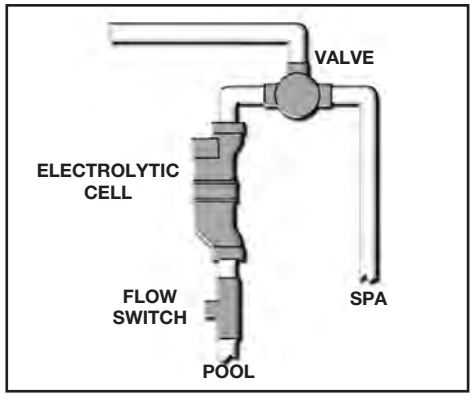
Install the cell and flow switch down stream of all existing equipment, but prior to the pool/spa return valve. The flow switch can be located immediately downstream from the cell (as shown) or can be installed with 12" of straight pipe directly before the mounting tee (option 1 below). For stand-alone 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.



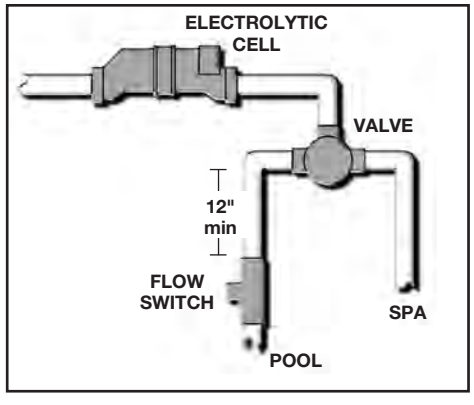

Chlorinator Cell




Optional Configuration #1

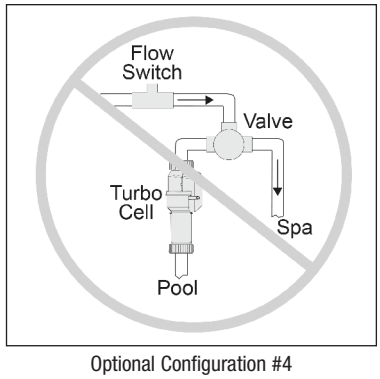



Optional Configuration #2




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. Encourage anybody who is concerned to do a "taste test".

## 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 and Goldline Controls-brand 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 1500-4500 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. 24,0000 gallons)
3. Find intersection of these two values to determine pounds of salt needed to raise water to 3200 ppm 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 | Pool Size – Gallons | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Level (ppm) | 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.* 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.

## 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 colour) only test total chlorine and can not differentiate between “free” and “combined”. DPD test kits (red colour) 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 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 1500-4500 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.

# Omni® Smart Pool & Spa Control

CONFIGURATION GUIDE

EXPERT LINE




**OmniLogic® Premium New Construction**
New, premium pools and spas. OmniLogic brings the most advanced automation for fully featured backyard control.




**OmniPL® Flexible New Construction**
Unmatched value in automation for new and existing mid-range pools.



**OmniHub® Aftermarket Controllers**
Easy way to add after-market control, OmniHub delivers automation to new and existing entry-level pools.

## 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

# OmniHub™

SMART POOL & SPA CONTROL

**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 industry-leading AquaRite® salt chlorination system and TriStar variable-speed pumps, your customers get an instant backyard upgrade at significant cost savings.**

## Application

- 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 colour 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.

## 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. Smartphone not included.**

## OmniHub Buying Guide — EXPERT LINE

| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| HLOMNIHUB | OmniHub wiring base unit, control pad, and smart relay, 3 year warranty | 1 | 18 lbs. |

## Accessories Buying Guide

| | | | |
|---|---|---|---|
| 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. |

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For replacement parts see page 246.

# OmniLogic®

POOL, SPA AND BACKYARD AUTOMATION SYSTEM

**EXPERT LINE**




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

**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 colour 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
- Ethernet/App Connectivity, Wifi/App with HLWLAN
- Web-enabled for app and voice assistant control

## OmniLogic Base System Buying Guide **EXPERT LINE**

| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| HLBASE | OmniLogic 4-Relay Base | 1 | 63 lbs. |
| HLEXPAND | OmniLogic Expansion Panel | 1 | 63 lbs. |
| **Accessories** | | | |
| TCELLS340 | TurboCell S3 Salt Cell, 40,000 Gallon Salt Cell | 1 | 4.2 lbs. |

## Options and Accessories Buying Guide

| 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. |
| HLIOEXPAND | OmniLogic 4x4x4 Valves, Sensors, Inputs | 1 | 1 lb. |
| HLWLAN | OmniLogic Wireless Network Antenna | 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. |
| P-KIT | Hayward Salt Plumbing Kit | 1 | 4.3 lbs. |
| HL-CHEM | OmniLogic Sense & Dispense | 1 | 9 lbs. |
| AQL-CHEM4-PH-CUL | pH Dispense, Acid Feed System, 120V | 1 | 24 lbs. |
| AQL-CHEM4-CL-CUL | ORP Dispense, Liquid Chlorine Feed System, 120V | 1 | 24 lbs. |

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For replacement parts see page 246.

# OmniPL

SMART POOL AND SPA CONTROL

**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.
- 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 colour 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 (PRO4S models). Select models include a salt cell for pools up to 40,000 gallons (PLUS4 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 touch display for easy configuration and programming
- Fully programmable, automatic control of every output
- 4 High-voltage relays upgradeable to 8
- 4 valve actuators
- 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 (PRO4S models), select models include a salt cell (PLUS4 models)
- Web-enabled for app and voice assistant control (W models)




**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

| 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. |
| HL-CHEM | Sense & Dispense® | 1 | 9 lbs. |
| HLXPROUPG | ProLogic® to OmniPL Upgrade Kit | 1 | 10 lbs. |

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For replacement parts see page 246.

# Omni® Remotes

REMOTES FOR OMNI AUTOMATION



Omni Wall-Mount Control



Omni Wired Spaside Touchpad and Mud Box



Omni Wireless Remote

## 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

## 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

**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 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




**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-CUL* | 4 relays, 3 valves, 1 heater, solar | 1 | 37 lbs. |
| PL-PS-4-CUL* | 4 relays, 4 valves, 2 heaters, solar | 1 | 37 lbs. |
| PL-PS-8-CUL* | 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. |
| HLRPRO4SW | OmniPL 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 while supplies last

## Options and Accessories Buying Guide

| 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-Tx-RF-P-4 | P-4 Wireless Tabletop | 1 | 2 lbs. |
| AQL2-Tx-RF-PS-4 | PS-4 Wireless Tabletop | 1 | 2 lbs. |
| AQL2-Tx-RF-PS-8 | PS-8 Wireless Tabletop | 1 | 2 lbs. |
| AQL2-WW-RF-PS-4 | PX-4 White Wireless Wall Mount | 1 | 1.5 lbs. |
| AQL2-WW-RF-PS-8 | PX-8 White Wireless Wall Mount | 1 | 1.5 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 | 1 | 3 lbs. |
| | Remote Controls | | |



For replacement parts see page 247.

# 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

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

*Available while supplies last.

### 2. Pick your Options

## Pick N' Mix Options Buying Guide

| 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

| 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-PH-CUL | 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-Tx-RF-P-4 | P-4 Wireless Tabletop | 1 | 2 lbs. |
| AQL2-Tx-RF-PS-4 | PS-4 Wireless Tabletop | 1 | 2 lbs. |
| AQL2-Tx-RF-PS-8 | PS-8 Wireless Tabletop | 1 | 2 lbs. |
| AQL2-Tx-RF-PS-16 | PS-16 Wireless Tabletop | 1 | 2 lbs. |
| AQL2-WW-RF-PS-4 | PS-4 White Wireless Wall Mount | 1 | 1.5 lbs. |
| AQL2-WW-RF-PS-8 | PS-8 White Wireless Wall Mount | 1 | 1.5 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-x | 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-x | 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 |

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

# ProLogic®/OmniPL® Replacement Comparison

AUTOMATION, CHLORINATION AND TOTAL POOL CHEMISTRY

**Use the chart below to select the OmniPL replacement for ProLogic model that matches your system requirements.**

| 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)** |
| **Colour Light Control** | **No** | **Full** | **No** | **Full** | **Full** | **P4/PS4 manual colour light control, Omnis control for Hayward (OmniDirect if available), Pentair and Jandy colour 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 colours, direct to colour, 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)

# AquaPod®

WATERPROOF, FULLY PROGRAMMABLE, WIRELESS REMOTE



AquaPod 2.0 Remote in Charger




Wireless Antenna

## AquaPod Buying Guide

| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| AQL2-POD2 | AquaPod 2.0 touchscreen waterproof wireless remote | 1 | 1 lb. |

## Wireless Base Buying Guide

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

### AquaPod 2.0 floats

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

### Applications

- OnCommand Controller
- ProLogic revision 2.6 or higher software
- *Wireless Antenna AQL2-BASE-RF required*

### Features

- 100% Waterproof
- Built in rechargeable batteries (charging station included) can operate while charging
- Colour LCD Display
- Multiple Heater and Chlorination Controls
- Program Macro/Group Functions
- Light Dimming Control when available
- Dual Equipment Capable
- Similar User Interface to ProLogic Controls revision 2.6 or higher software
- Wireless Antenna AQL2-BASE-RF required

### *Wireless Antenna*

Installs directly onto the side of the ProLogic or OnCommand main control unit at the equipment pad and communicates with all other wireless accessories.

### Applications

- Compatible with ProLogic and OnCommand systems
- Only 1 wireless base required per system.

**The GVA-24 Valve Actuator rotates 2-port and 3-port valves automatically. Use it with OmniLogic®, ProLogic® 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 Kits** | | | |
| V&A-2P | Valve actuator + 3-port/2" valve | 1 | 5 lbs. |

# AquaSolar®
SOLAR CONTROL SYSTEMS



AquaSolar TC



AquaSolar GL-235

**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 – North America's best-selling solar control 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.**

## 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

### 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

# Universal ColorLogic®

12V LED POOL AND SPA LIGHTS

**Universal ColorLogic LED lights retrofit in virtually any existing pool or spa – transform you backyard with vibrant colour.**

**Pool owners can choose from 10 solid colours and 7 dynamic, colour-changing light shows to set the perfect theme for any occasion. Plus, when integrated with Hayward Omni® Automation Systems, Universal ColorLogic offers additional colours 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 colour.**



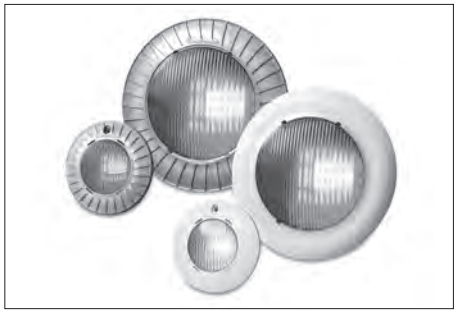
**Universal ColorLogic Pool and Spa Lights**

### 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 Colour
- Directional Optics for Glare Reduxtion
- 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
- Detachable Serviceable cord (ColorLogic 2.0 only)



## Universal ColorLogic 2.0 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.

## Universal ColorLogic® Buying Guide

| Standard Switched Light | Hayward Automation Networked Lights | Pool or Spa | Voltage | Cord Length | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|
| LPCUS11030 | | Pool | 12 | 30' | 1 | 7 lbs. |
| LPCUS11100 | LPCUN11100 | Pool | 12 | 100' | 1 | 14 lbs. |
| LSCUS11030 | | Spa | 12 | 30' | 1 | 4 lbs. |
| LSCUS11100* | LSCUN11100 | Spa | 12 | 100' | 1 | 11 lbs. |

## Universal ColorLogic® Accessories

| Model Number | Description |
|---|---|
| AQL-COLOR-MODHV | Module for Network Lights |
| LKBUN1000 | Coupler for Network Lights |
| SP3495C | Deck Box |
| SP3495CDGR | Deck Box - Dark Gray |
| LFVUY1000 | UCL Jiffy Niche, vinyl/fiberglass |

## 300-Watt Transformer Buying Guide

| Model Number | Description |
|---|---|
| LTBCY11300 | 300W Wall Mount Transformer |
| LTSUY11300* | 300W Wall Mount Transformer with 4 relays |

**Note:** *This SKU is for use with Hayward Omni Automation only

# Universal CrystaLogic®

12V LED WHITE POOL AND SPA LIGHTS

EXPERT LINE



Universal CrystaLogic White LED 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.**

## 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.

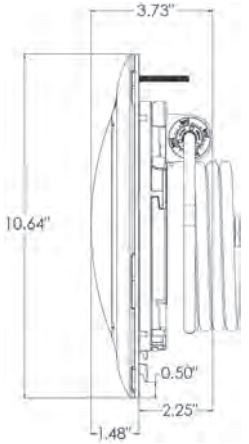
### Applications

- Residential or commercial, in-ground, pool or spa

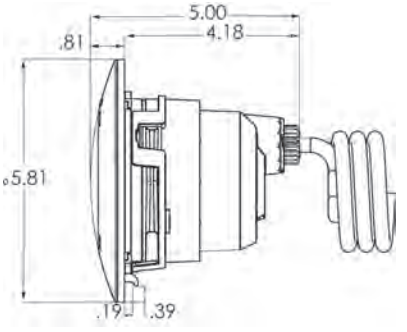
### Features and Benefits

- Variable Intensity mode enables (5) easily selectable light outputs (20%, 40%, 60%, 80%, 100%) when configured to Variable Intensity mode
- Uses up to 86% less energy than incandescent lights and lasts up to 10 times longer
- Retrofit into most manufacturers' niches
- 12V, 2-wire, all-plastic construction with an unbreakable lens make these lights intrinsically safe and easy to install
- Can be installed as close as 4" from the waterline and 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
- Multiple colour trim rings available to match surface finish. Ships with white and silver luster starburst trim rings
- UL and cUL Listed

### Overall Dimensions




LED Pool Light




LED Spa Light

Lighting

# CrystaLogic® Bulb

120V LED POOL LIGHTS

**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 and cUL Listed

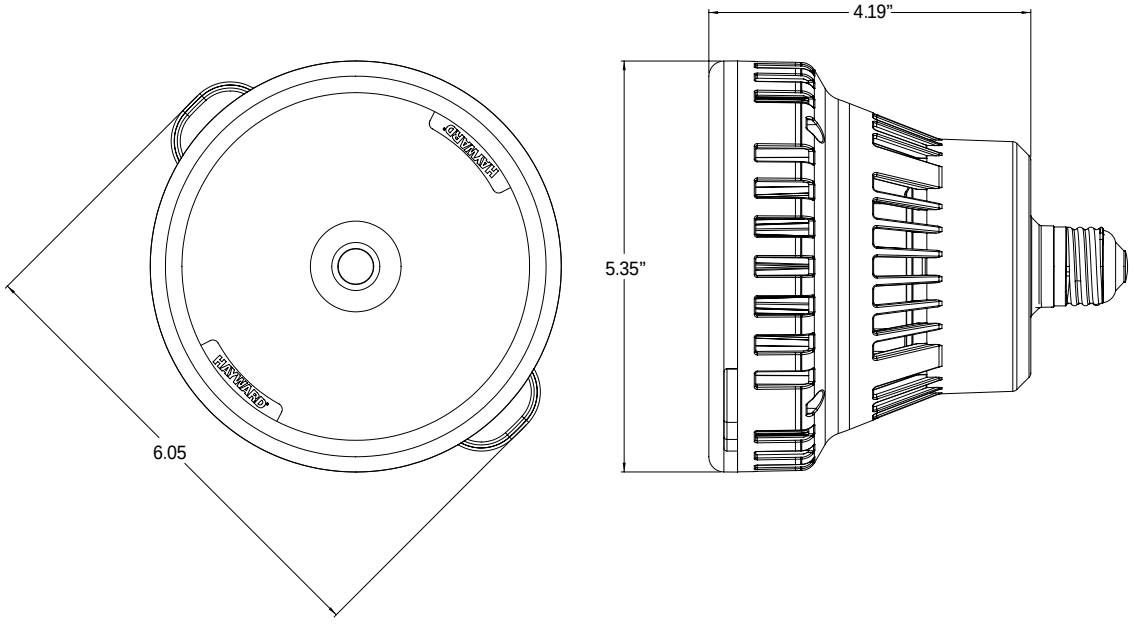



CrystaLogic Bulb

## CrystaLogic® Bulb Buying Guide

| Model Number | Description | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| BPWUS11120 | CrystaLogic Bulb, 120V<br>Equivalent Brightness, 500W<br>Lumens, 4800 | 1 | 2 lbs. |

### Overall Dimensions



# ColorLogic® Bulb

120V LED POOL LIGHTS

EXPERT LINE



ColorLogic LED Pool Bulb

**The ColorLogic LED Replacement Pool Bulb is a quick, cost-effective way to upgrade a standard incandescent pool light to a vibrant, colour-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 colour to any pool.**

### Applications

- Residential in-ground pool replacement bulb

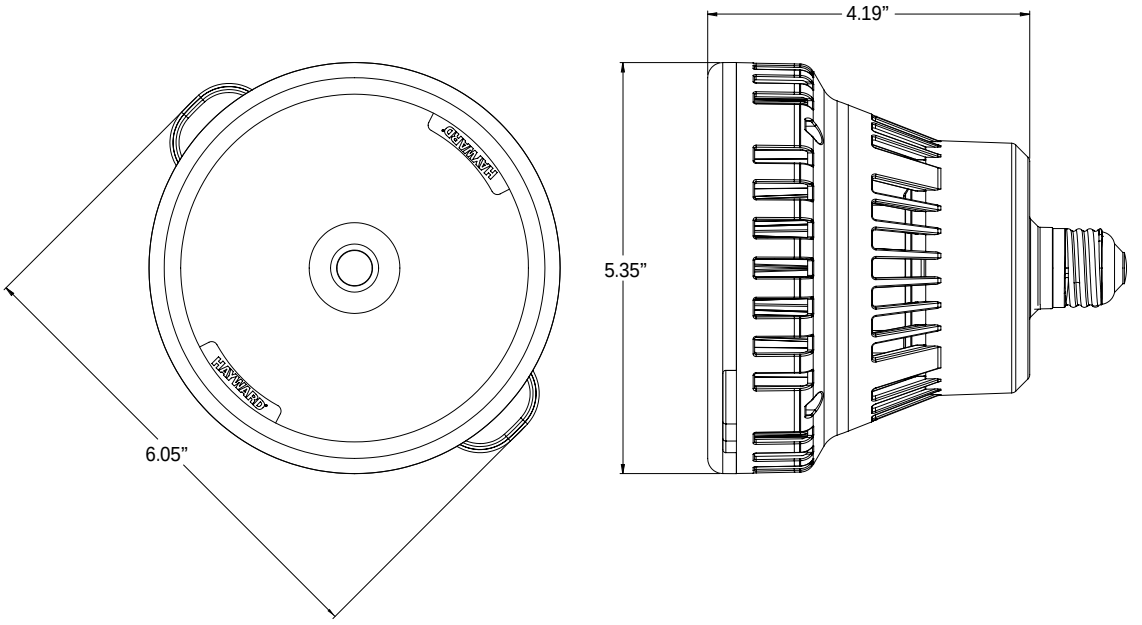
### Features and Benefits

- Comes standard with 10 fixed colours and 7 colour-changing light shows
- Can be paired with Hayward Omni® automation systems to unlock OmniDirect Mode™ for 10 additional colours, instant navigation to colours 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 and cUL Listed

## ColorLogic Bulb Buying Guide

| Model Number | Description | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| BPCUS11120 | ColorLogic Bulb, 120V | 1 | 2 lbs. |

### Overall Dimensions



# ColorLogic® 320 & 160

12V LED POOL, SPA AND BACKYARD LIGHTS

**ColorLogic® 320 & 160 1.5-inch LED lights are ideal for discreet pool and spa lighting, or highlighting water features, baja shelves, steps, landscaping and more. Featuring ColorLogic's 10 fixed colours and 7 colour-changing shows for total colour coordination. Pair with Hayward automation for additional colours 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 colours and 7 colour-changing shows
- 10 additional colours, 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
- cUL-listed for safe wall or floor installation



**ColorLogic 320 & 160 1.5-inch LED Lights**

## ColorLogic 320 & 160 LED Lights Buying Guide

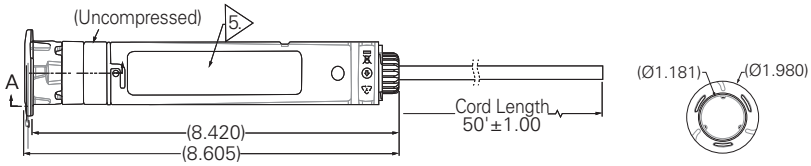
| Standard Switched Lights | Description | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| **High Lumen ColorLogic 320 12V LED Lights** | | | |
| LACUS11030 | 1.5-inch LED light, 30 ft. cord | 1 | 4 lbs. |
| LACUS11050 | 1.5-inch LED light, 50 ft. cord | 1 | 5.2 lbs. |
| LACUS11100 | 1.5-inch LED light, 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** | | | |
| 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. |

## ColorLogic 320 & 160 LED Light Kits Buying Guide

| Light Kits | Description | Qty. | Weight |
|---|---|---|---|
| **High Lumen ColorLogic 320 12V LED Lights with fitting** | | | |
| LACCS11050 | 1.5-inch LED light with fitting, 50ft. cord | 1 | 5.3 lbs |
| LACCS11100 | 1.5-inch LED light with fitting, 100 ft. cord | 1 | 5.3 lbs |



### Overall Dimensions (inches)



# ColorLogic® 80

12V LED POOL, SPA AND BACKYARD LIGHTS

**EXPERT LINE**



ColorLogic 80 1/2 inch LED Lights

**Hayward's ColorLogic 80 1/2-inch LED lights deliver rich, colourful 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

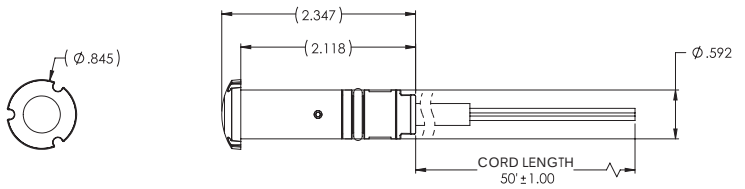
- Illuminate hard to reach areas, such as steps, water features, landscaping, decking, sun shelves, sheer cascades, waterfalls and more.
- Featuring ColorLogic's 10 fixed colours and 7 dynamic colour-changing shows to match your mood.
- 10 additional colours, faster navigation, dimming and speed control 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 LED Colour Lights Buying Guide

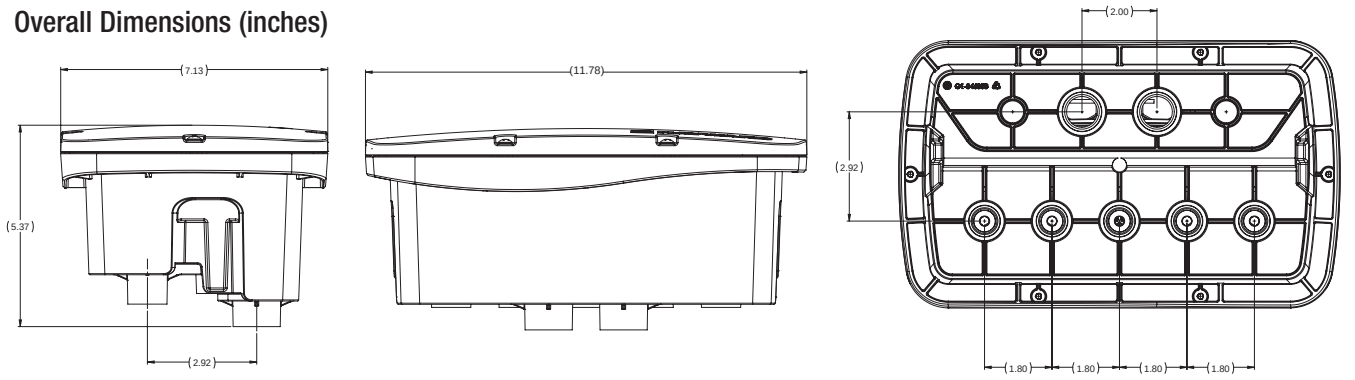
| Model Number | Description | Cord Length | Ctn. Qty. | Shipping Weight |
|---|---|---|---|---|
| LMCUS11050* | ColorLogic 80 1/2-inch LED Light – High Lumen | 50 ft. | 1 | 2.75 lbs. |
| LMCUS11085 * | ColorLogic 80 1/2-inch LED Light – High Lumen | 85 ft. | 1 | 4.7 lbs. |
| LMCUSPS005 | Junction Box 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.

## Overall Dimensions (inches)




## Overall Dimensions (inches)



# CrystaLogic® 320 & 160

12V LED WHITE POOL, SPA AND BACKYARD LIGHTING

**CrystaLogic® 320 & 160 1.5-inch white LED lights are ideal for discreet 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 8 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
- cUL-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%)



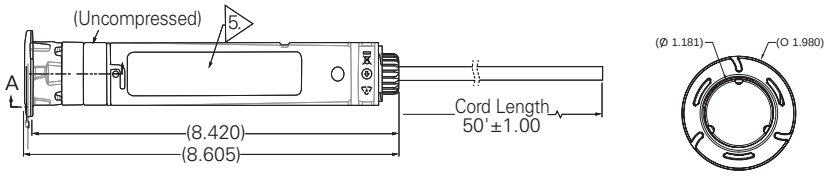
CrystaLogic 320 and 160 White LED Light

## CrystaLogic 320 & 160 White 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. |

Lighting

### Overall Dimensions (inches)



# ColorLogic® Light Controller

12V LED POOL, SPA AND BACKYARD LIGHT WALL SWITCH

**EXPERT LINE**



ColorLogic Light Controller

**The ColorLogic Light Controller puts the power of colourful, 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.**

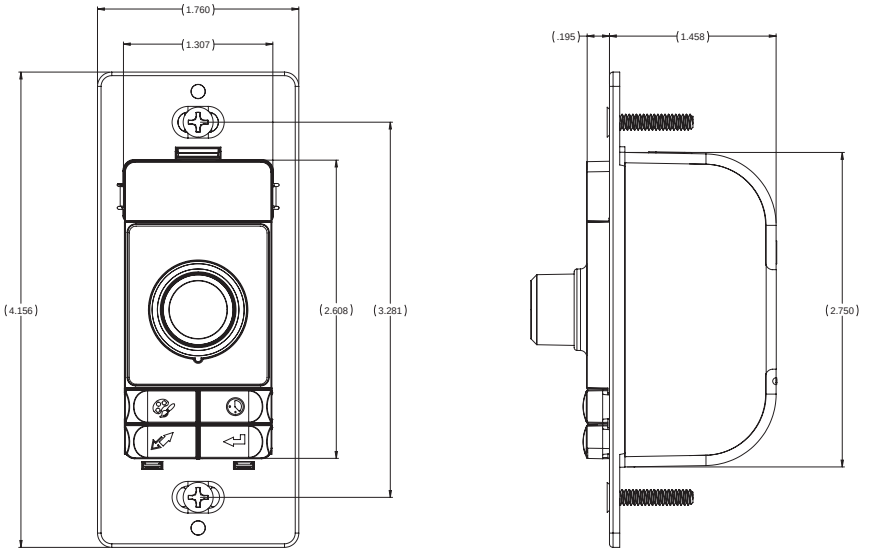
**With the ColorLogic Light Controller's sleek, simple design, homeowners can instantly view and choose from 10 beautiful fixed colours and 7 colour-changing light shows. When you select an option, the colour or show displays in the innovative Preview window at the top of the controller so that you can see what it will look like, giving homeowners an additional level of control over their backyard ambiance.**

## ColorLogic Light Controller Buying Guide

| Model Number | Description | Ctn. Qty. | Shipping Weight |
|---|---|---|---|
| LKCUS1100 | ColorLogic Light Controller, Standalone | 6 | 3.6 lbs. |

| | |
|---|---|
| Voltage | 120V |
| Amps | 3A |
| Total Allowable Watts | 300 |

### Overall Dimensions




### Applications

- Control of Pool, Spa and Backyard Lighting
- Indoor or protected outdoor use

### Features

- The only wall controller on the market that retrofits easily into an existing light switch.
- Innovative preview window that let's users view all ColorLogic colours and shows before choosing.
- Indicator LED lights illuminate to show the currently selected colour or light show.
- Resync button allows you to easily resync lights in multiple-light installations.
- Schedule button allows you to input recurring light settings.

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

**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

**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 the most popular J-Boxes on the market so you can convert 120V lighting systems to low-voltage in less than 20 minutes. Plus, for new construction try our new Junction Box Transformer which has the ability to support one or two light configurations, making it the most cost-effective solution for 12V lighting.**



**Hayward Junction Box Transformer and Junction Box**

## 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 J-Box Transformer design can support one or two lights from the same Junction Box, making it the most cost-effective solution for 12V lighting.

- Comes in two models—one with the ability to power one light (70W total), one with the ability to power two lights (140W total)
- 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 in as little as 20 minutes using our Junction Box Retrofit Kits, available for the most popular Junction Boxes.

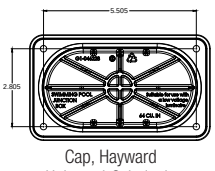
- Hayward, Pentair, Thermocraft, Intermatic brands available
- UL Listed, LRBUY11M65 and LRBUY11M13 are CSA Listed

## Junction Boxes & Transformers Buying Guide

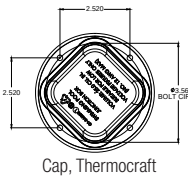
| Model Number | Description | Watts | Ctn. Qty. | Shipping Weight |
|---|---|---|---|---|
| LJBUY00PP1 | Hayward Junction Box Kits | — | 1 | 2 lbs. |
| LTBUY11H70 | Hayward Junction Box Transformer | 70 | 1 | 4 lbs. |
| LTBUY11H14 | Hayward Junction Box Transformer | 140 | 1 | 8 lbs. |
| LTBUY11300 | Hayward Wall-Mount Transformer | 300 | 1 | 11.5 lbs. |
| LTBCY11300 | Hayward Wall-Mount Transformer | 300 | 1 | 11.5 lbs. |
| LTSUY11300** | Hayward Wall-Mount Transformer, 4 relays | 300 | 1 | 12.5 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
**This SKU is for use with Hayward Omni Automation only

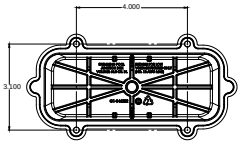
## Overall Dimensions



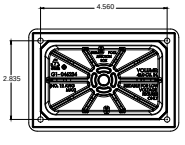

Cap, Hayward
Universal Colorlogic
LRBUY11H65




Cap, Thermocraft
Universal Colorlogic
LRBUY11T65




Cap, Hayward 2
Universal Colorlogic
LRBUY11H14, LRBUY11H70,
LRBUY11M13, LRBUY11M65,
LTBUY11H14, LTBUY11H14AS,
LTBUY11H70, LTBUY11H70AS




Cap, Pentair
Universal Colorlogic
LRBUY11P65

# ColorLogic® & CrystaLogic®

TRIM RINGS AND ACCESSORIES



ColorLogic Family Trim Rings

*Universal ColorLogic and CrystaLogic Trim Rings*

**All Universal ColorLogic and 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. Each fitting kit includes a trim of the associated kit colour. Additional bulkhead colours include: black, gray and white. Bulkheads are available for gunite, fiberglass and vinyl applications.**

## 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. |

**Universal ColorLogic and 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

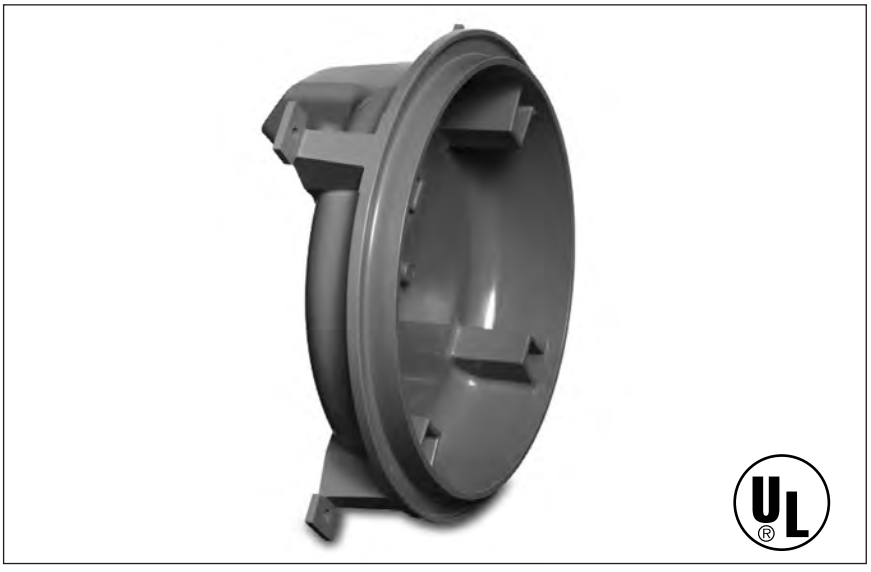
- All plastic lighting system elliminates the need for bonding and grounding.
- Injection-molded PVC fixture housing for corrosion-free performance
- Socket conduit connection designed for quick and simple gluing to PVC pipe. Provides a clean, reliable seal
- U.L. approved sweep elbow fitting, coupling 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)

- UCL thin niche design can save you up to $200 per light installation.
- 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)

- UCL spa niche design lowers installation cost for each light
- 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.



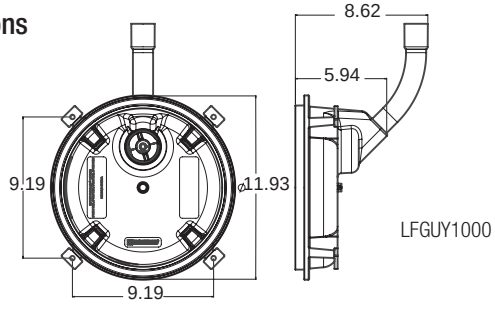
Fixture Housing Niche

## Universal ColorLogic & CrystaLogic Housing

| 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. |
| LFVUYRINDGR | Vinyl/Fiberglass Dark Gray Trim Kit | | — | 25 | 0.775 lbs. |
| **Spa** | | | | | |
| LGGUY1000 | Concrete | 1" or ¾" SKT | 45°, rear | 1 | 2 lbs. |

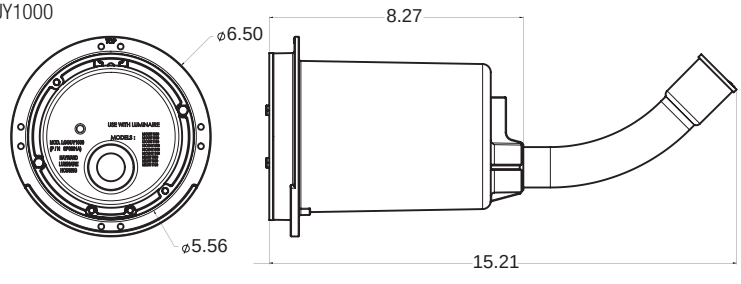
| Light Compatibility Guide | |
|---|---|
| Universal ColorLogic and CrystaLogic Pool | LPCUS, LPCUN, LPLUS and LPWUS lights |
| Universal ColorLogic and CrystaLogic Spa | LSCUS, LSCUN and LPLUS lights |

### Overall Dimensions (inches)




LFGUY1000

LGGUY1000



# Lighting Niches

FIXTURE HOUSING (NICHES)



SP0600U DuraNiche for concrete pools (cover-up plate included – not shown)



SPX0608U 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 — plus the lowest installed cost. DuraNiche comes in 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
- Socket conduit connection designed for quick and simple gluing to PVC pipe. Provides a clean, reliable seal
- cU.L. approved sweep elbow fitting, coupling and reducer, included in SP0600U, SP0607UC and SP0601U, meet the highest standard and provide the most convenient installation
- All SP0600U and SP0607UC niches have a 45° 1" outlet, which can be adjusted for top or rear conduit connection using the 45° U.L. approved sweep elbow (included).
  The SP0601U niche has a 1" rear outlet, which can be adjusted to 45°
- All 1" outlets can quickly be converted to 3/4" with a U.L. approved reducing adapter (included)
- All SP0600U and SP0607UC have easily accessible connections for grounding/bonding
- Internally-threaded connection for pressure testing of conduit line
- cUL Listed

## DuraNiche and Jiffy 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. |
| SP0607UC* | Vinyl/Fiberglass | 1" or ¾" SKT | 45°, top or rear | 1 | 7 lbs. |

**NOTE:** Vinyl/Fiberglass model includes Duralon face plate, back-up ring (with drilled tabs), gaskets and screws.
*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

| **NOTE:** DuraNiche series niches accept the following light fixtures: | |
|---|---|
| AstroLite | SP0580, SP0580S Series |
| AstroLite II | SP0590S, SP0590HS Series |
| ColorLogic 4.0 | SP0527 and SP0535 Series |
| Universal ColorLogic | LPCUS, LPCUN, LSCUS, LSCUN |
| Universal CrystaLogic | LPLUS, LPWUS, LSLUS |



## 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 |

*The Ultimate Theme Setter*

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

## Features

- Easily alternate the colours 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 colours, 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)



# Lighting

REPLACEMENT LIGHTS AND ACCESSORIES FOR ABOVE-GROUND POOLS



SP056525 (Installed)



SP056525 (Kit Components)

**Hayward's Elite Underwater Quartz is specifically engineered for installation in above-ground pools. The optical lens disburses the light for full pool coverage. The through-the-wall in-ground design can be installed anywhere around the pool for optimum lighting and doesn't interfere with the pool's filtration. The multi-coloured lens kit adds an elegant touch to the pool's lighting, to create a special effect or enhance the mood. The light housing comes pre-wired with 25 feet of cord and a 120V/12V transformer with on/off switch. The Hayward Elite Underwater Quartz Halogen Flood Light is packed with features at a value price!**

## Elite Quartz Halogen Flood Light Buying Guide

| Model Number | Voltage | Wattage | Cord Length | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|
| SP056525 | 120 Volt/12 Volt transformer | 50 Watt | 25 ft. | 6 | 55 lbs. |

## Replacement Parts Buying Guide

| Model Number | Description | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| SPX0565Z1 | Replacement 12 Volt/50 Watt halogen lamp with reflector | 20 | 2.5 lbs. |
| SPX0565B | Lens | 1 | 1 lb. |
| SPX0565G | Gasket | 10 | 1 lb. |

### Applications

- Residential above-ground pools

### Features

- Efficient, low-voltage, 50 Watt halogen light. Increases safety, fun, appearance and pool use!
- Position the light anywhere around the pool. Flexible 360°, wall positioning. Through-wall, in-ground design.
- Allows proper water circulation. Does not interfere with filtration.
- Mood enhancing colour lens kit included.
- Easy, do-it-yourself installation. Kit includes: Light, pre-wired 12 Volt transformer with on/off switch, 25 ft. cord, wall cutting tool and colour lenses.

### *No Pool is Complete without a Stunning Statement Piece.*

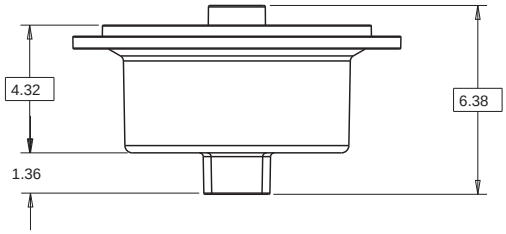
**LED WaterBowls from Hayward make an elegant addition to any new build or renovation, helping totransform the space with a stunning architectural focal point. Built with soothing LED lighting that integrates seamlessly with Omni® automation and transitions effortlessly from day tonight, WaterBowls are the perfect way for pool owners to add a personal touch to the backyard with unprecedented convenience.**

### Features

- Light offers 10 fixed colours and 7 colour-changing light shows
- OmniDirect Mode™ compatible for additional lighting shows and colours, 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)







**Resin & Glass WaterBowls**

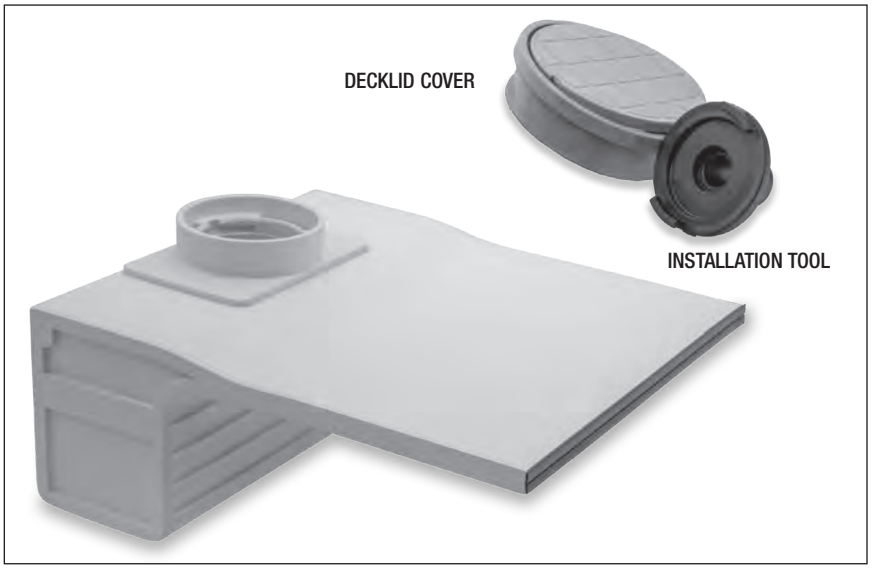
## WaterBowls Buying Guide

| 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. |

# LED Sheers

LED WATERFALLS




LED WaterFall

## *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

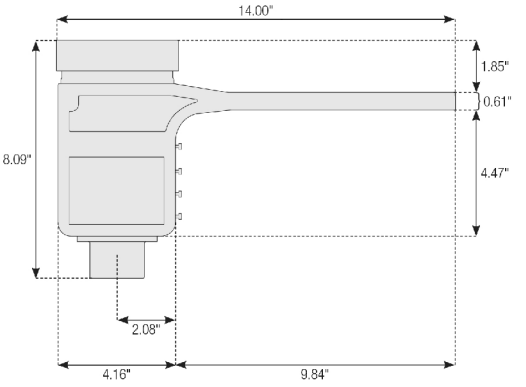
- Controllable with Omni® automation systems*
- Industry-first top-access light eliminates light loss, regardless of length
- Available in lengths from 1' to 8'
- Variable projection distances based on flow rate
- For straight, curved or custom wall surfaces

## 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. |

| 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)



# ColorLogic® Bubbler

ILLUMINATED WATER FEATURES

**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 colours. In addition, Hayward offers the industry's best plume height at 12" creating a wider variety of installation options.**

## Features

- Illuminate the ColorLogic Bubbler utilizing ColorLogic or CrystaLogic 320 and 160 lighting for a wide variety of options.
- Small footprint with interchangeable colour 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 Hayward ColorLogic Bubbler offers the industry's best plume height creating 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 |



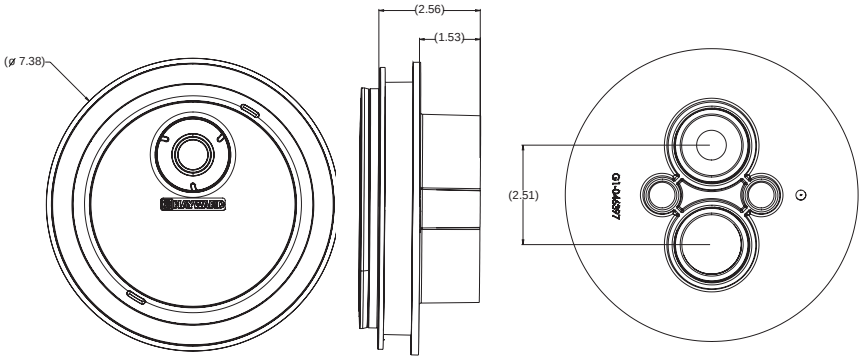
ColorLogic Bubbler

## ColorLogic Bubbler Buying Guide — EXPERT LINE

| Model Number | Description | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| WFB100 | ColorLogic Bubbler | 1 | 9 lbs. |
| **Optional Accessories** | | | |
| GLXBKTGR | Colour Kit, Gray | 1 | 5 lbs. |
| GLXBKTDG | Colour Kit, Dark Gray | 1 | 5 lbs. |
| GLXBKTWT | Colour 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:** Colour Kit Includes: Coloured Trim Ring with Matching Nozzles and Plaster/Winterization Shield with Tool
Lens Kit Includes: Coloured Trim Ring with Matching Nozzles and Replacement Lens

## Overall Dimensions



# ColorLogic® Laminar

LAMINAR

EXPERT LINE



ColorLogic 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 colour 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.

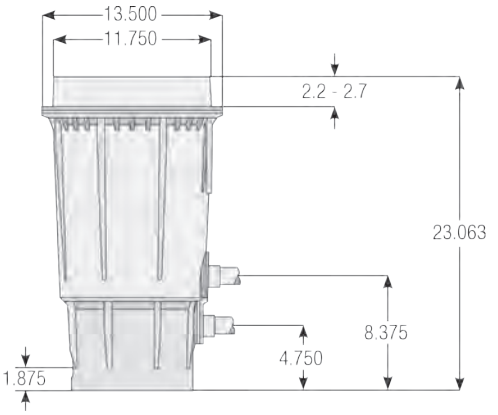
## ColorLogic Laminar Buying Guide EXPERT LINE

| 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. |

| 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.

## Overall Dimensions (inches)



# Deck Jet 500 & Sheer 500

DECK JETS AND SHEERS

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 coloured cover
- Includes plug for pressure test and winterization

### Sheer 500

- Brilliant LED Lighting effect (LED optional)
- Accommodate a wide range of installation requirements (1 ft.–4 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

### LED Synchronization Module

- Synchronize colour sequences and pre-programmed lighting shows with LED Sheers
- Simple to setup and install




WFCLSYNC



Deck Jet 500



Sheer 500

## 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 EXPERT LINE

| Model Number | Description | | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|
| **Rear Mount (non-LED) Sheers** | **Bottom Mount (non-LED) Sheers** | | | |
| WFS512R6 | | Sheer, 1 ft. width, 6" lip, 30ft. cord | 1 | 7 lbs. |
| WFS524R6 | WFS524B6 | Sheer, 2 ft. width, 6" lip, 30ft. cord | 1 | 8 lbs. |
| WFS536R6 | | Sheer, 3 ft. width, 6" lip, 30ft. cord | 1 | 16 lbs. |
| WFS548R6 | | Sheer, 4 ft. width, 6" lip, 30ft. cord | 1 | 21 lbs. |
| **Rear Mount LED Sheers** | | | | |
| WFS512R6LED100 | Sheer, 1 ft. width, 6" lip, 100ft. cord | | 1 | 7 lbs. |
| WFS524R6LED100 | Sheer, 2 ft. width, 6" lip, 100ft. cord | | 1 | 8 lbs. |
| WFS536R6LED100 | Sheer, 3 ft. width, 6" lip, 100ft. cord | | 1 | 16 lbs. |
| WFS548R6LED100 | Sheer, 4 ft. width, 6" lip, 100ft. cord | | 1 | 21 lbs. |
| **Sheer 500 LED Synchronization Module** | | | | |
| WFCLSYNC | LED Synchronization Module | | 1 | 5 lbs. |
| **Sheer 500 Accessories** | | | | |
| WFCTRMT | LED Controller/Remote | | 1 | 11 lbs. |
| WFTR060 | 60W Power Supply | | 1 | 22 lbs. |
| WFXSPT3 | 3-way Splitter | | 1 | 5 lbs. |
| WFSDPWRKIT | LED Power Kit (power supply, remote, 3-way splitter) | | 1 | 10 lbs |

# Suction Outlets

ROUND SUMPS, COVERS, FRAMES AND ACCESSORIES




WG1154S




WG1049AV

**For concrete, vinyl and fiberglass pools, Hayward round suction outlets are available in a wide range of plumbing configurations, plaster collar options and colours. 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 outlets and replacement covers are VGB compliant and are tested to ASME A112 19.8b-2009 and ANSI/APSP-16 standards as well as meeting 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 an 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

## Suction Outlet Buying Guide

| Model Number | Size | Cover Open Area Sq. Inch | Approved Flow GPM Floor (Horizontal) | Approved Flow GPM Wall (Vertical) | Side Outlet Pipe Size | Bottom Outlet Pipe Size | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|---|---|
| **Concrete** | | | | | | | | |
| **Cover and frame (2 pack)** | | | | | | | | |
| WG1030AVPAK2* | 8" dia. | 8.10 | 125 | 72 | — | — | 24 | 46 lbs. |
| **Replacement cover for floor or wall** | | | | | | | | |
| WGX1048E* | 8" dia. | 8.10 | 125 | 72 | — | — | 10 | 5 lbs. |
| **Outlet-dual suction (2 pack)** | | | | | | | | |
| WG1051AVPAK2 | 8" dia. | 8.10 | 125 | 72 | 1 ½" FIP | 1 ½" FIP | 6 | 35 lbs. |
| WG1052AVPAK2 | 8" dia. | 8.10 | 125 | 72 | 2" FIP | 1 ½" FIP | 6 | 35 lbs. |
| WG1053AVPAK2 | 8" dia. | 8.10 | 125 | 72 | 1 ½" FIP | 2" FIP | 6 | 35 lbs. |
| WG1054AVPAK2 | 8" dia. | 8.10 | 125 | 72 | 2" FIP | 2" FIP | 6 | 35 lbs. |
| **Outlet-dual suction with adjustable plaster collar (2 pack)** | | | | | | | | |
| WG1153AVPAK2 | 8" dia. | 8.10 | 125 | 72 | 1 ½" FIP | 2" FIP | 6 | 35 lbs. |
| WG1154AVPAK2 | 8" dia. | 8.10 | 125 | 72 | 2" FIP | 2" FIP | 6 | 35 lbs. |
| WG1154SPAK2* | 8" dia. | 8.10 | 125 | 72 | 2" SKT | 2" FIP | 6 | 35 lbs. |
| **(Vinyl/Fiberglass)** | | | | | | | | |
| WG1048AVPAK2** | 8" dia. | 8.10 | 125 | 72 | 1 ½" FIP | 1 ½" FIP | 6 | 37 lbs. |
| WG1049AVPAK2** | 8" dia. | 8.10 | 125 | 72 | 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. |

| 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 |





For replacement parts see page 292.

# Suction Outlets

SQUARE 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.

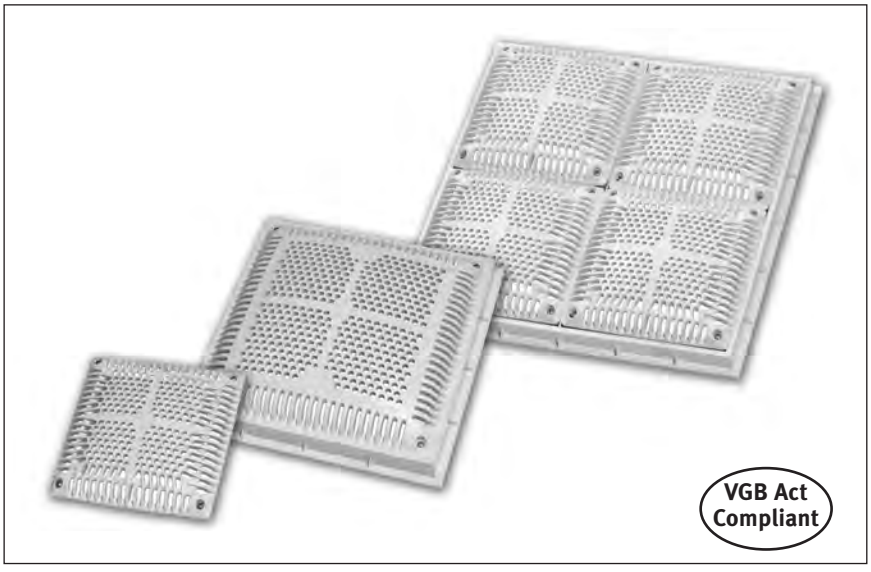
Installation of anything other than the recommended Hayward drain cover on a Hayward frame or Hayward sump may not be ANSI/APSP/ICC-16 2017 compliant. Likewise, the installation of a Hayward drain cover on a non-Hayward frame may not be compliant.

### 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 an a TriStar VS SVRS

### Features

- Certified to ASME A112.19b-2009, ANSI/APSP-16
- Retrofits to all Hayward existing frames
- 7 year life
- 1 year limited warranty




9", 12" and 18" Drain Covers and Frames

## Drain Covers & Frames Buying Guide

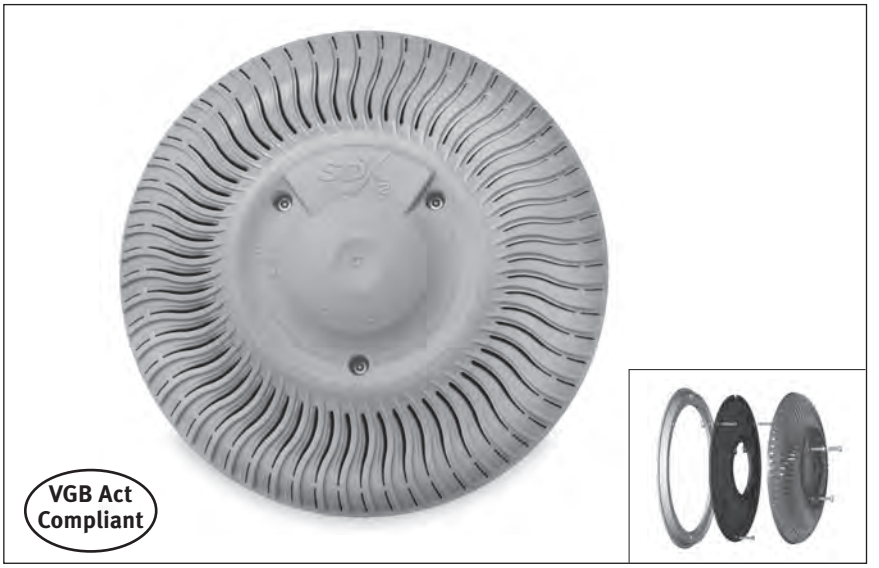
| Model Number (size) | Pipe Size | Mounting Position | Sump Port Location | Approved Flow GPM |
|---|---|---|---|---|
| WGX1031BHF2 and | 2.5" | Floor | Side | 172 |
| WG1031HF2PAK2 (9" x 9") | 2.5" | Wall | Side | 184 |
| | 2.5" | Wall | Bottom | 224 |
| | 3" | Floor | Side | 264 |
| | 3" | Wall | 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. |

For replacement parts see page 292.

# SDX2 High Flow Safety Drain

ROUND DRAIN COVER FOR CONCRETE, VINYL ,OR FIBERGLASS POOLS




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

**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 |

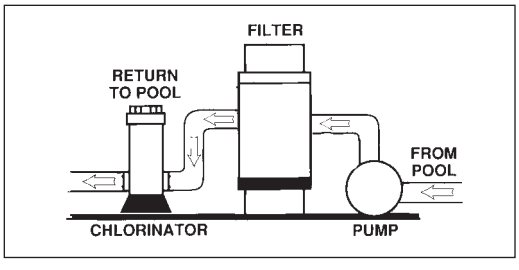
# Automatic Chemical Feeders

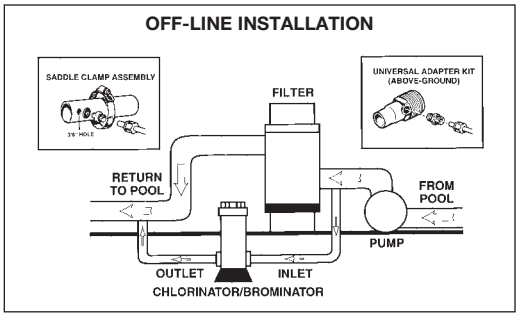
CHLORINATORS AND BROMINATORS

**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




**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).**




**CL200 In-Line Chlorinator**




**CL220 Off-Line Chlorinator**

## Automatic Chemical Feeder Buying Guide

| Model Number | Pipe Size | Chemical Capacity | Feeder Width | Feeder Height | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|---|
| **In-Line Chlorinators** | | | | | | |
| CL100EF | 1 ½" FIP | 4.2 lbs. | 8 ¼" | 15 ¼" | 10 | 30 lbs. |
| CL200EF* | 1 ½" FIP | 9 lbs. | 9" | 14 ¾" | 10 | 45 lbs. |
| CL2002S** | 2" SKT | 9 lbs. | 9" | 14 ¾" | 10 | 55 lbs. |
| **NOTES:** *Includes mounting base. **Features 2" inlet and outlet ports for applications with 50 gpm to 90 gpm flow rates. | | | | | | |
| **Off-Line Chlorinators** | | | | | | |
| CL110EF | — | 4.2 lbs. | 6 ¾" | 13" | 10 | 30 lbs. |
| CL220EF | — | 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. |



For replacement parts see page 293.

# Automatic Skimmers

SKIMMASTER®, AUTO-SKIM™ SERIES FOR IN-GROUND CONCRETE OR GUNITE POOLS



SP1072 SkimMaster Series



SP1082 Auto-Skim Series

**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, a field-installable water bonding kit 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.**

## 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. |
| **NOTES:** *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.<br>**Available with tan collar and cover. Add suffix 10 to model number.<br>For skimmer packaged with float valve, add suffix FVA to model number. | | | | | |
| **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. |

| Model Number | Description | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| 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. |
| **NOTE:** †Available in Dark Gray. Add suffix DGR to model number for Dark Gray | | | |
| **SP1096 Auto-Skim PT and Economy Series** | | | |
| SP1096 | 1 ½" FIP Round 6" | 1 | 6 lbs. |
| **Accessories** | | | |
| SP1070FV | Float valve assembly for SP1070 Series | 24 | 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. |
| 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. |

### Applications

- In-ground concrete, gunite, residential and commercial pools and spas

### Features – SkimMaster

- 3/4" knockout fill/overflow port
- Durable unibody construction
- Colour 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





For replacement parts see page 294.

# Automatic Skimmers

AUTO-SKIM™ SERIES FOR IN-GROUND VINYL AND FIBERGLASS POOLS

**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.**

### 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
- Colour 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

## In-Ground Skimmer Kits

| Model Number | Description | Ctn. Weight |
|---|---|---|
| SP10852OMTE† | Wide Track Auto Skim | 20 lbs. |
| SP10841OMTE† | Auto Skim Small Mouth | 20 lbs. |
| SP10852OMND† | Wide Track Auto Skim w/out Drain | 20 lbs. |
| SP10841OMND† | Auto Skim Kit w/out Drain | 20 lbs. |

**NOTE:** †Available in Dark Gray. Add suffix DGR for Dark Gray



SP1084 Auto-Skim Series



SP1085 Wide Track Auto-Skim

## 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. |
| **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 |
|---|---|---|---|
| 004702600208 | Paramount Skimmer - Standard Vinyl Wide - Gray | 1 | 12 lbs. |

| 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.



For replacement parts see page 294.

# Venturi Skimmers

PARASKIMV VENTURI SKIMMER FOR IN-GROUND CONCRETE OR GUNITE POOLS AND SPAS



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.



**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.

# Automatic Water Leveler

PARALEVEL™ FOR IN-GROUND POOLS AND SPAS

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.

### 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



**Paramount Automatic Water Leveler**

## 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

# Debris Canisters

DECK-SIDE AND EQUIPMENT-SIDE DEBRIS CANISTERS



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

**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

# Automatic Skimmers/Skim Vacs

ABOVE-GROUND AND IN-GROUND POOLS

**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

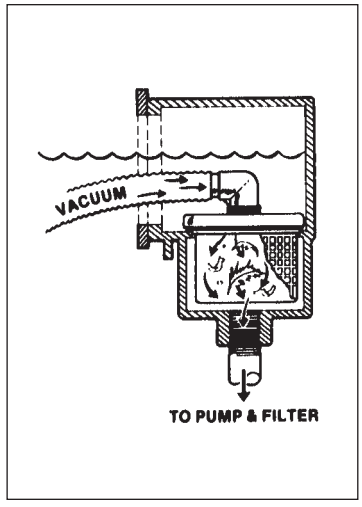
**Skim Vacs have revolutionized the process of vacuuming pools. By utilizing the skimmer basket instead of the pump strainer basket, the need to turn the pump on and off has been eliminated. Simply attach the appropriate Skim Vac to the vacuum hose, locate over the skimmer basket and begin vacuuming.**

### Application – Skim Vac

- In-ground pools
- Above-ground pools



SP1091WM Wide Mouth Dyna-Skim




Skim Vac Action

## 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. |
| SP1094WF | • | — | 3 | 1 ½" FPT | 1 | 4 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 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 page 294.

# Valves

VARIFLO® SAND FILTER CONTROL VALVES, IN-LINE SIGHT GLASSES



SP0710XALL VariFlo Control Valve



SP0714T VariFlo XL Control Valve

**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 Valve Buying Guide

| Model Number | Valve Positions | Pipe Size | Body Colour | 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(4) | 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. |

### 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).





For replacement parts see page 298-301.

**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




**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 | Back-wash | Waste | Recir-culate | Rinse | Closed |
|---|---|---|---|---|---|---|
| SP0425 | • | • | • | • | — | — |
| SP0740DE | • | • | • | • | — | — |
| SP0710XR50 | • | • | • | • | • | • |
| SP0715XR50 | • | • | • | • | • | • |
| SP0410X502S | • | • | — | — | — | — |
| DE2400PAK2CS | • | — | — | — | — | — |


For replacement parts see page 298-301.

# Valves

DIVERTER, CHECK AND BALL VALVES



3-way PSV Valve



PSV Check Valve

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.

PSV3SM and PSV3SMDGR models feature externally threaded ports for use with one SP1500UNPAK1 union fitting included with each valve.

PVC Valves not recommended for ambient temperatures of 104°F or above.

## 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. |
| PSV3SM | 3-way | External Union Thread | CPVC | 20 | 47 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. |
| PSV3SMDGR | 3-way | External Union Thread | PVC | 20 | 47 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. |

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

## 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. |



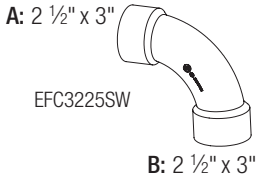


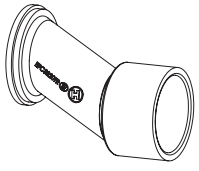
For replacement parts see page 298-301.

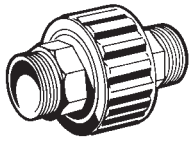
## Connection Fitting and Union Buying Guide

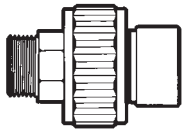
| Model Number | Pipe Size | Description | Material | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|---|---|
| **EcoFlo Fittings** | | | | | |
| EFC3220SW | **A:** 2" x 2 ½"<br>**B:** 2" | EcoStar®/TriStar® 2" x 2 ½" Sweep | PVC | 20 | 10 lbs. |
| EFC3225SW | **A:** 2 ½" x 3"<br>**B:** 2 ½" x 3" | EcoStar/TriStar 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. |

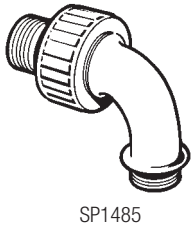


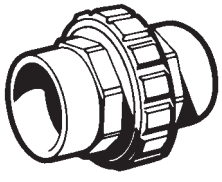



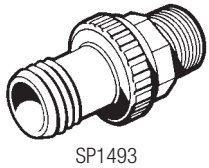


EFC3220TR


SP1480BLK


SP1484


SP1485


SP14982S


SP1493


For replacement parts see page 302-303.

# Fittings

## 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.

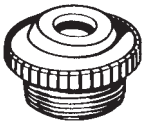
| | | | | |
|---|---|---|---|---|
| **Directional Flow Inlet Fittings – Extended Flange** | | | | |
| SP1418D* | 1 ½" MIP | Hydrostream, large – ¾" opening | 50 | 10 lbs. |
| SP1422D | 1 ½" SLIP | Hydrostream Insider – ¾" opening | 50 | 12 lbs. |
| SP1422E | 1 ½" SLIP | Hydrostream Insider – 1" opening | 50 | 11 lbs. |

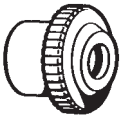
The following fittings all have 1 ½" internal threads for use with directional fittings, plugs, grate inserts, outlet covers and Jet-Air hydrotherapy fittings. Choose the appropriate fittings for concrete, vinyl or fiberglass applications.

| | | | | |
|---|---|---|---|---|
| **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 – 3/4" opening and mud cover | 50 | 25 lbs. |
| SP1044INS* | 1 ½" INS | Insider Flush Return Fitting with PVC Body – 3/4" opening and mud cover | 50 | 25 lbs. |

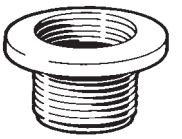
**NOTES:** *Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.
**Available in Gray and Black. Add suffix GR for Gray and BLK for Black.

| | | | | |
|---|---|---|---|---|
| **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

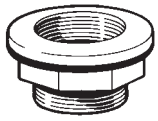

SP1044

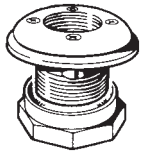

SP1044INS



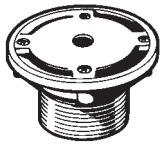


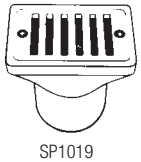
For replacement parts see page 302-303.


SP1023

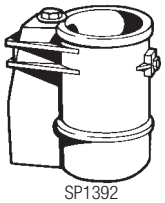

SP1408


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.



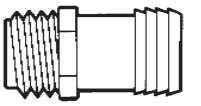
For replacement parts see page 302-303.

# Accessories

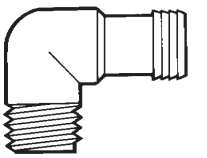
MISCELLANEOUS ACCESSORIES

## Miscellaneous Accessories Buying Guide

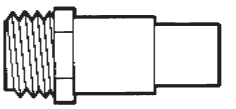
| Model Number | Description | Ctn. Qty. | Ctn. Weight |
|---|---|---|---|
| **Hose Kit and Hose Adapters** | | | |
| EC1155 | 1 ½" Hose Kit with Adapters and Clamps | 1 | 4 lbs. |
| SPX1091Z2PAK2 | 1 ½" MIP x 1 ½" Hose Barb Adapter (Set of 2) | 10 | 3 lbs. |
| SPX1105Z4 | 1 ½" MIP x 1 ½" Hose – Combination 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** | | | |
| SPX1091Z3 | Double Wire Hose Clamp – 1 ¼" Hose | 50 | 2 lbs. |
| 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. |
| SPX1090Z4 | Teflon Tape – 60" Roll | 10 | 1 lb. |
| SP022310 | 10" Bobby Disposable Filter | 20 | 13 lbs. |
| SP022320 | 20" Bobby Disposable Filter | 20 | 20 lbs. |



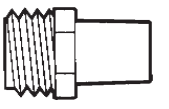
SPX1091Z2



SPX1105Z4



SPX1091Z7

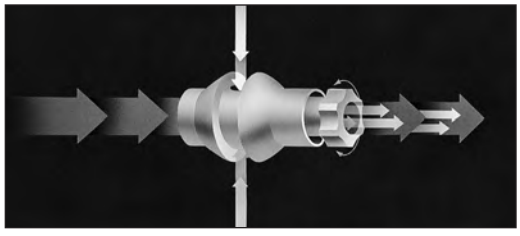


SPX1091Z1

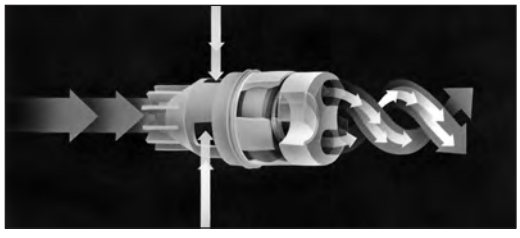
**Hayward's JetAir III and Adjustable JetAir III systems offer interchangeable jet nozzles, allowing for multiple configuration options to achieve the type of hydro-massage action you want, where you want it. With the adjustable JetAir III system, you can control the water and air flow right at the jet face providing a variety of therapy options at your fingertips.**

## Features

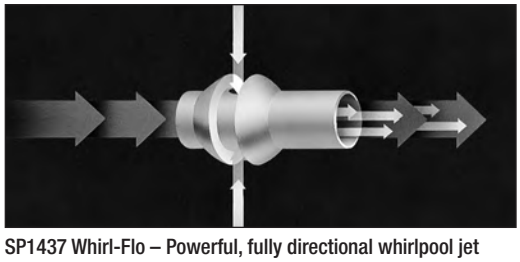
- Nozzle interchangeability allows for custom jet configurations
- Balanced hydraulics let user mix and match jet nozzles without affecting performance of the system
- Universal nozzle retrofitablity allows consumers to update to the nozzle of their choice at any time
- Modular packaging: A – Bodies/Bulkheads; B – Jet nozzles



**SP1434 VariFlo – Fully adjustable and directional**
**NOTE:** Not for use with the adjustable JetAir III system.



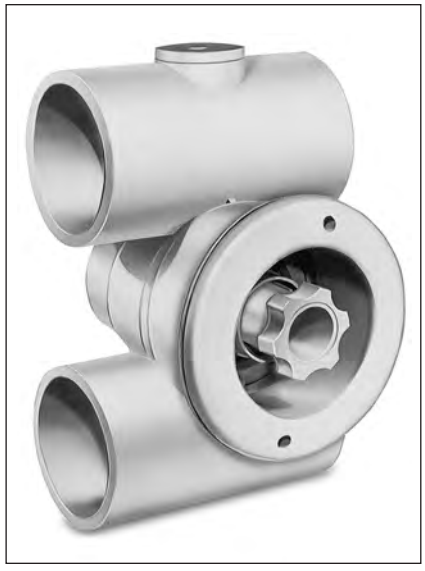
**SP1436 Pulse-Flo – Pulsation and rotation for the ultimate hydro-massage action**



**SP1437 Whirl-Flo – Powerful, fully directional whirlpool jet provides 10-30 GPM range**



**SP1437 Whirl-Flo Jet**



**SP1434 VariFlo Jet**

## 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. |
| **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. | | | |
| **Accessories** | | | |
| SP1434T | Combination Tool for Bulkhead and Nozzle | 50 | 20 lbs. |
| SP1434TP | Test Plug Tool | 20 | 13 lbs. |

# Hydrotherapy Fittings

JETAIR®, TURBO-BOOST AND SPA FITTINGS

## 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. |



**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



SP1068 Super-Vac



SP1067 Power-Vac

## 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. |

# 2023 REPLACEMENT PARTS



TECHNICAL INFORMATION

# REPLACEMENT PARTS

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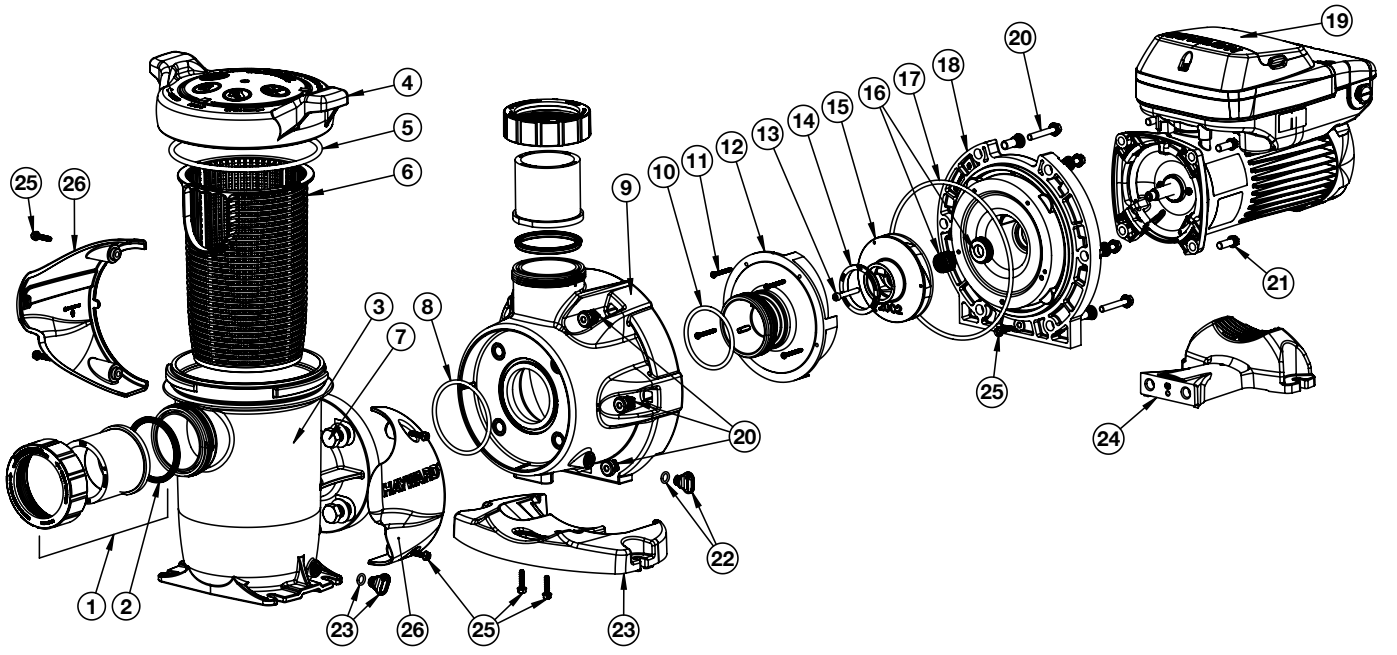
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# TriStar XL®

HCP 3000 PUMP SERIES (ENERGY EFFICIENT, FULL-RATED) REPLACEMENT PARTS

## Part Diagram and Parts Listing

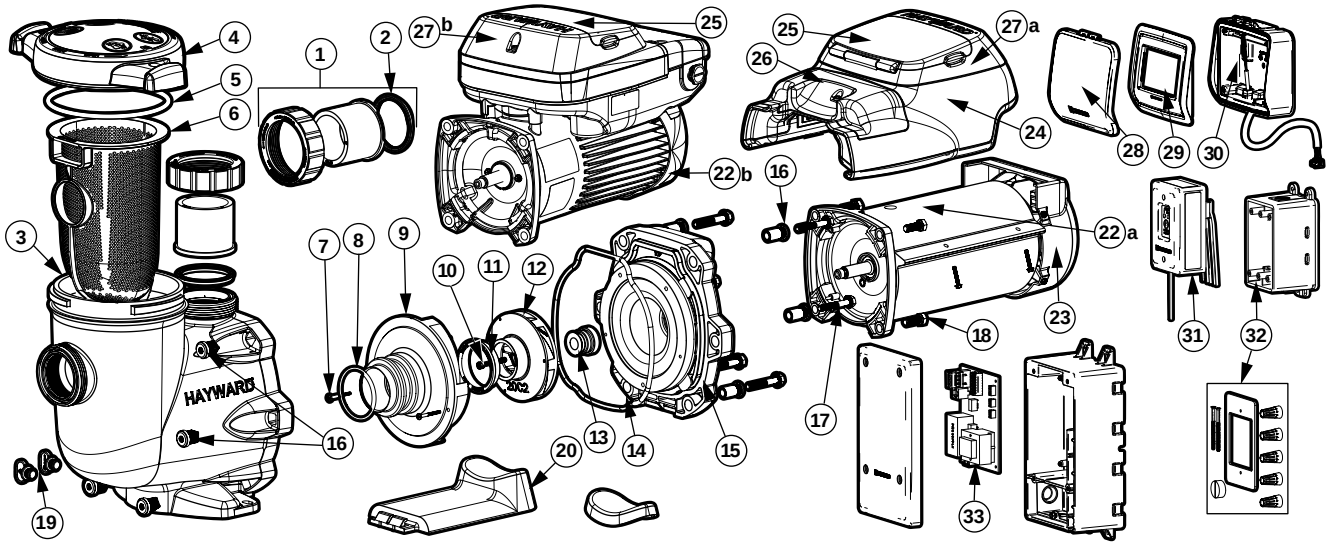



| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | HCXP3000UNKIT | Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket (2 each) | 5 |
| 2 | HCXP3000UG | Union Gasket | 10 |
| 3 | HCXP3000H | Strainer Housing with Drain Plug | 1 |
| 4 | HCXP3000DLS | Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring) | 5 |
| 5 | SPX4000S | Strainer Cover O-Ring | 50 |
| 6 | HCXP3000M | Strainer Basket | 1 |
| 7 | HCXP3000Z3 | Strainer Housing Flange Bolt/Washer (4 each) | 10 |
| 8 | HCXP343V70 | Strainer Housing Flange O-Ring | 10 |
| 9 | HCXP3000A | Pump Housing with Drain Plug | 1 |
| 10 | HCXP338V60 | Diffuser O-Ring | 10 |
| 11 | SPX2700Z3SSPAK4 | Diffuser Screws (4 Pack) | 10 |
| 12 | HCXP3000B | Diffuser, 2 – 5 HP | 1 |
| 13 | SPX3200Z1 | Impeller Screw | 50 |
| 14 | HCXP3000R | Impeller Ring, 2 – 5 HP | 10 |
| 15 | HCXP3020C | 2 HP Impeller with Impeller Screw | 10 |
| 16 | SPX4000SAV | Shaft Seal Assembly | 10 |
| 17 | HCXP369V70 | Pump Housing O-Ring | 10 |
| 18 | HCXP3000E | Seal Plate | 1 |
| 19 | SPX3200LCD | Digital Control Interface Assembly | 1 |
| 20 | SPX3200Z3 | Housing Bolt | 50 |
| 21 | SPX3200Z34PAK4 | Motor Bolt (4 Pack) | 10 |
| 22 | SPX4000FG | Housing Plug With Gasket | 50 |
| 23 | HCXP3000F | Pump Housing Base | 10 |
| 24 | HCXP3000G | Motor Support Base | 10 |
| 25 | SPX1600Z5SS | Base Screws (7 Pack) | 10 |
| 26 | HCXP3000N250 | Right and Left Side Plate Set, Platinum | 5 |
| — | HCXP3020Z1VSPE | Motor Power End | 1 |

# Tristar® VS 900/950 Omni

PUMP SERIES REPLACEMENT PARTS

## Parts for Pump Models: HL32950VSP, HL32900VSP

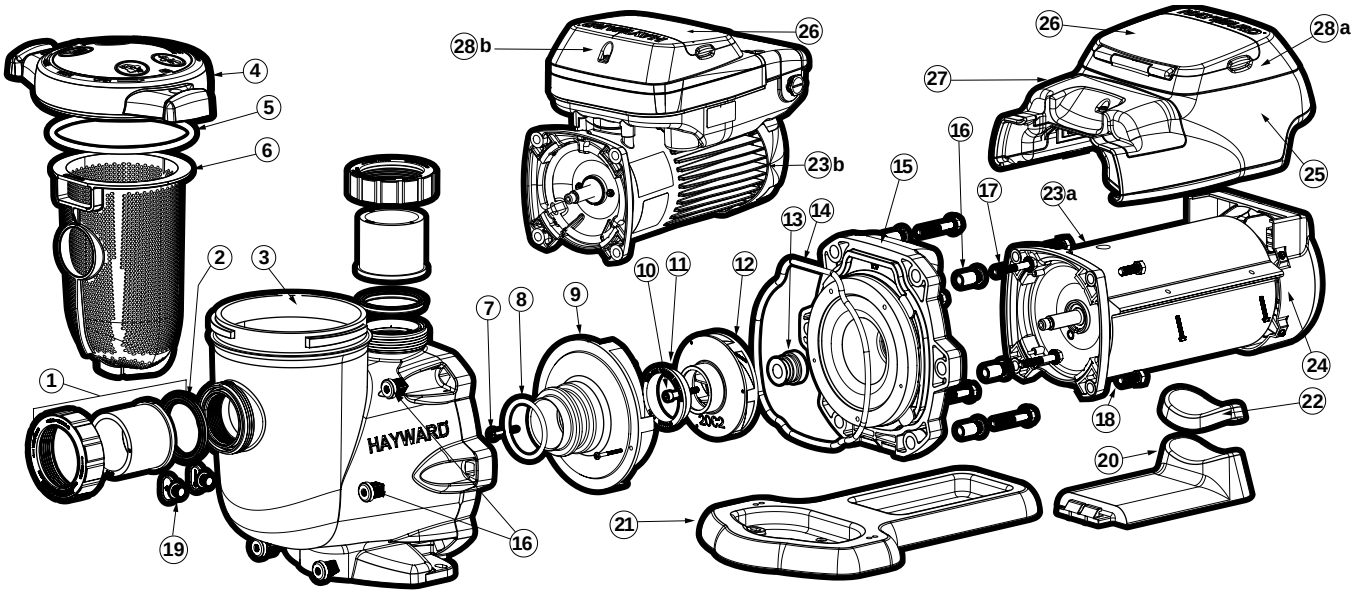



| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX3200UNKIT | Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.) | 10 |
| 2 | SPX3200UG | Union Gasket | 100 |
| 3 | SPX3200A | Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style | 1 |
| 4 | SPX3200DLS | Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring) | 10 |
| 5 | SPX3200S | Strainer Cover O-Ring | 50 |
| 6 | SPX3200M | Strainer Basket | 2 |
| 7 | SPX3200Z8 | Diffuser Screw | 50 |
| 8 | SPX4000Z1 | Diffuser O-Ring | 50 |
| 9 | SPX3200B3 | Diffuser | 5 |
| 10 | SPX3200Z1 | Impeller Screw | 50 |
| 11 | SPX3021R | Impeller Ring | 50 |
| 12 | SPX3220C | Impeller with Impeller Screw | 10 |
| 13 | SPX4000SAV | Viton® Shaft Seal Assembly | 10 |
| 14 | SPX3200T | Housing O-Ring | 50 |
| 15 | SPX3200E | Seal Plate | 5 |
| 16 | SPX3200Z211 | Housing Insert/Seal Plate Spacer Kit | 50 |
| 17 | SPX3200Z3 | Housing Bolt | 50 |
| 18 | SPX3200Z5PAK4 | Motor Bolt Kit | 50 |
| 19 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 20 | SPX3200GA | Bracket, Motor Support | 5 |
| 21 | SPX3200WF | Riser Base Aligns with Pentair® WhisperFlo® Ports | 1 |
| 21 | SPX3200SR | Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glass II® Ports | 1 |
| 22a | SPX3400Z1ECM | Motor Assembly (before January 2019) | 1 |
| 22b | SPX3206Z1VSPE | Motor and Drive Assembly (after January 2019) | 1 |
| 23 | SPX3400FAN | Motor Fan Shroud (before January 2019) | 5 |
| 24 | SPX3400DR | Motor Drive (Includes Digital Control Interface, before January 2019) | 1 |
| 25 | SPX3400DR4 | Motor Drive Display Cover | 5 |
| 26 | SPX3400DR2 | Motor Drive Wiring Cover (before January 2019) | 5 |
| 27a | SPX3400LCD | Digital Control Interface Assembly (before January 2019) | 1 |
| 27b | SPX3200LCD | Digital Control Interface Assembly (after January 2019) | 1 |
| 28 | HLXDCOVER | Sun Cover Replacement | 5 |
| 29 | HLXDLCD | LCD Disp Replacement | 5 |
| 30 | HLXDSPCASE | Case Replacement | 1 |
| 31 | HLX485RELAY | Replacement RS485 Relay | 1 |
| 32 | HLXJBOX | Replacement Jbox | 1 |
| 33 | HLXHIOPCB | OmniHub PCB | 1 |
| — | HLXHW5PK | OmniHub Hardware – Not Shown (5 pack) | 10 |
| — | HLXWHIP6 | Omni 6 ft. Whip – Not Shown | 5 |
| — | SPX3400DRKIT | Wall Mount Kit for Digital Control Interface | 5 |
| — | SPX3400DRCBL | Wall Mount Display Cable | 5 |
| — | SPXHKIT100 | H-KIT Quick Pump Repair (Includes items 5, 8, 13, 14 and Jack's Lube) | 10 |
| — | GLX-ACT-CONN | Actuator Connector | 100 |
| — | HLH485RELAY | Omni RS485 Smart Relay | 1 |
| — | HLX485100 | RS485 100 ft. Extension | 15 |
| — | HLX485200 | RS485 200 ft. Extension | 5 |
| — | HLXRLYLABL | Replacement Relay Label | 10 |

# TriStar® VS 900/950

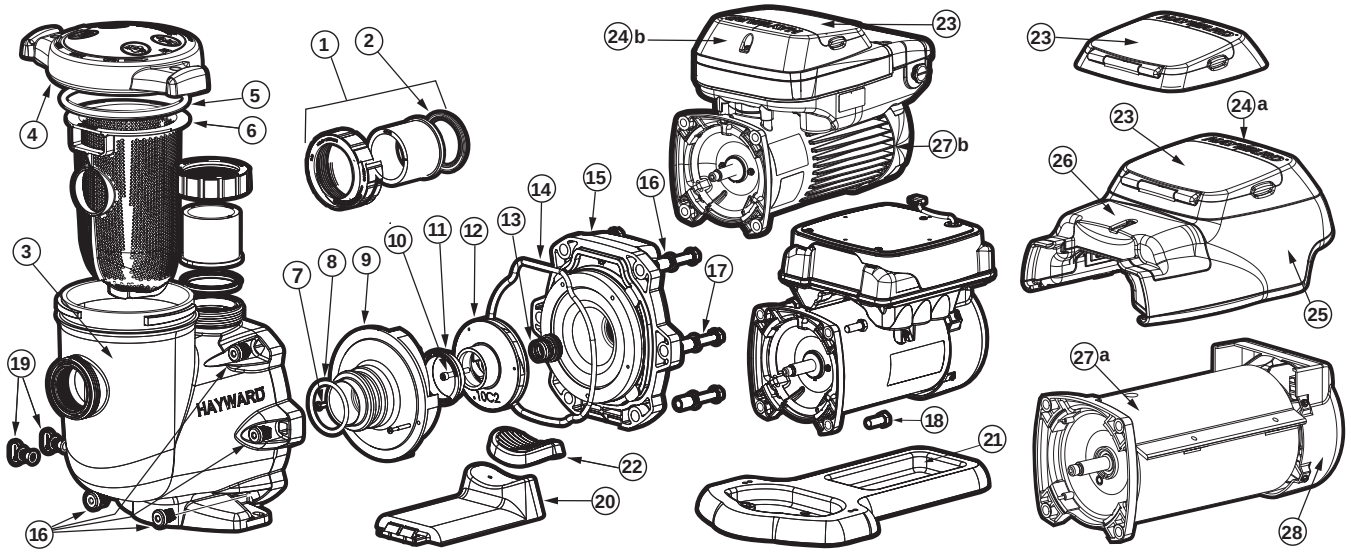
PUMP SERIES REPLACEMENT PARTS

## Parts for Pump Models: SP32950VSP, SP32900VSP




| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX3200UNKIT | Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.) | 10 |
| 2 | SPX3200UG | Union Gasket | 100 |
| 3 | SPX3200A | Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style | 1 |
| 4 | SPX3200DLS | Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring) | 10 |
| 5 | SPX3200S | Strainer Cover O-Ring | 50 |
| 6 | SPX3200M | Strainer Basket | 2 |
| 7 | SPX3200Z8 | Diffuser Screw | 50 |
| 8 | SPX4000Z1 | Diffuser O-Ring | 50 |
| 9 | SPX3200B3 | Diffuser | 5 |
| 10 | SPX3200Z1 | Impeller Screw | 50 |
| 11 | SPX3021R | Impeller Ring | 50 |
| 12 | SPX3220C | Impeller with Impeller Screw | 10 |
| 13 | SPX4000SAV | Shaft Seal Assembly (Viton®) | 10 |
| 14 | SPX3200T | Housing O-Ring | 50 |
| 15 | SPX3200E | Seal Plate | 5 |
| 16 | SPX3200Z211 | Housing Insert/Seal Plate Spacer Kit | 50 |
| 17 | SPX3200Z3 | Housing Bolt | 50 |
| 18 | SPX3200Z5PAK4 | Motor Bolt Kit | 50 |
| 19 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 20 | SPX3200GA | Bracket, Motor Support | 5 |
| 21 | SPX3200WF | Riser Base Aligns with Pentair® WhisperFlo® Ports | 1 |
| | SPX3200SR | Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glass II® Ports | 1 |
| 22 | SPX3200Q | Adapter-Motor Support | 100 |
| 23a | SPX3400Z1ECM | Motor Assembly (before January 2019) | 1 |
| 23b | SPX3206Z1VSPE | Motor and Drive Assembly (after January 2019) | 1 |
| 24 | SPX3400FAN | Motor Fan Shroud (before January 2019) | 5 |
| 25 | SPX3400DR | Motor Drive (Includes Digital Control Interface, before January 2019) | 1 |
| 26 | SPX3400DR4 | Motor Drive Display Cover | 5 |
| 27 | SPX3400DR2 | Motor Drive Wiring Cover (before January 2019) | 5 |
| 28a | SPX3400LCD | Digital Control Interface Assembly (before January 2019) | 1 |
| 28b | SPX3200LCD | Digital Control Interface Assembly (after January 2019) | 1 |
| — | SPX3400DRKIT | Wall Mount Kit for Digital Control Interface | 5 |
| — | SPX3400DRCBL | Wall Mount Display Cable | 5 |
| — | SPXHKIT100 | H-KIT Quick Pump Repair (Includes items 5, 8, 13, 14 and Jack's Lube) | 10 |
| — | GLX-ACT-CONN | Actuator Connector | 100 |
| — | SPX3200DRCC | Communication Cable for VS Pump | 5 |

## Parts for Pump Models: SP3200VSP, (W3)SP3202VSP, SP3200VSPND, SP3202VSPND, (W3)SP3206VSP, SP3206VSPVR



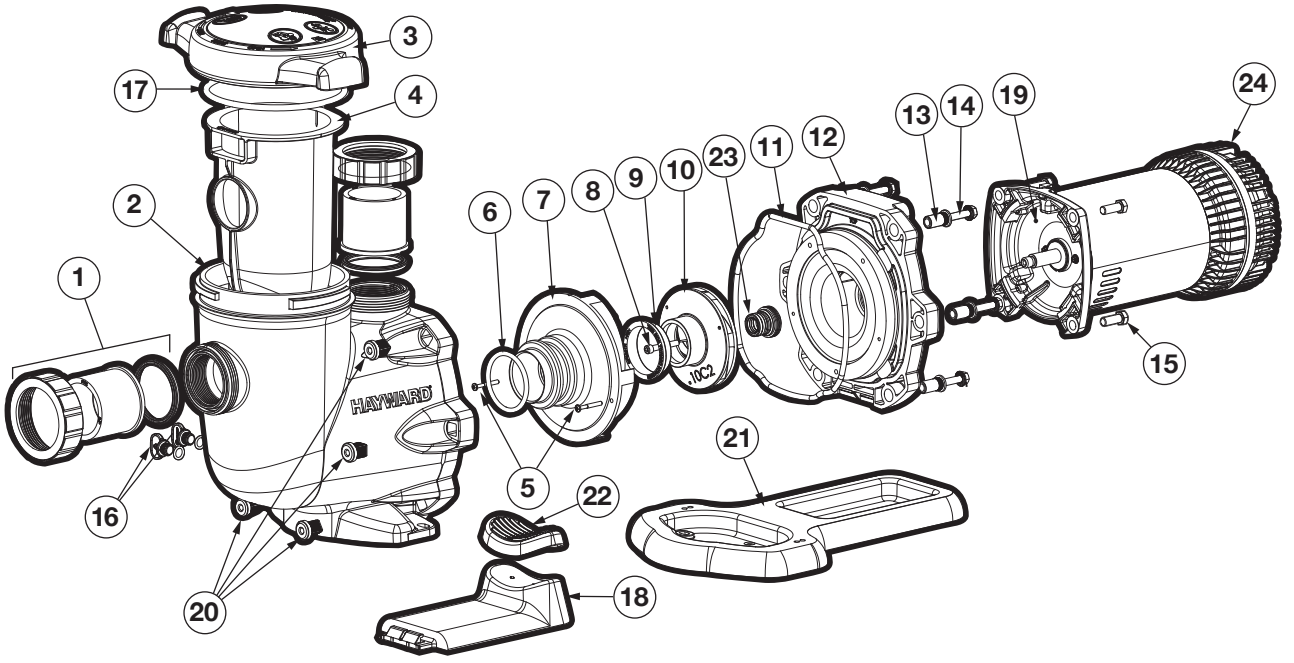

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX3200UNKIT | Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.) | 10 |
| 2 | SPX3200UG | Union Gasket | 100 |
| 3 | SPX3200A | Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style | 1 |
| 4 | SPX3200DLS | Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring) | 10 |
| 5 | SPX3200S | Strainer Cover O-Ring | 50 |
| 6 | SPX3200M | Strainer Basket | 2 |
| 7 | SPX3200Z8 | Diffuser Screw | 50 |
| 8 | SPX4000Z1 | Diffuser O-Ring | 50 |
| 9 | SPX3200B3 | Diffuser | 5 |
| 10 | SPX3200Z1 | Impeller Screw | 50 |
| 11 | SPX3021R | Impeller Ring | 50 |
| 12 | SPX3210C | Impeller with Impeller Screw (SP3200VSP, SP3202VSP, SP3200VSPND, SP3202VSPND, W3SP3202VSP) | 10 |
| — | SPX3220C | Impeller with Impeller Screw (SP3206VSP, SP3206VSPVR, W3SP3206VSP) | 10 |
| 13 | SPX3200SA | Shaft Seal Assembly | 10 |
| 14 | SPX3200T | Housing O-Ring | 50 |
| 15 | SPX3200E | Seal Plate | 5 |
| 16 | SPX3200Z211 | Housing Insert/Seal Plate Spacer Kit | 50 |
| 17 | SPX3200Z3 | Housing Bolt | 50 |
| 18 | SPX3200Z5 | Motor Bolt | 50 |
| 19 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 20 | SPX3200GA | Bracket, Motor Support | 5 |
| 21 | SPX3200WF | Riser Base Aligns with Inlet Port of Pentair® WhisperFlo® Pump | 1 |
| | SPX3200SR | Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glass II® Ports | 1 |
| 22 | SPX3200Q2 | Adapter-Motor Support | 100 |
| 23 | SPX3400DR4 | Motor Drive Display Cover (Cover only) | 5 |
| 24a | SPX3400LCD | Digital Control Interface (SP3206VSP and SP3206VSPR, before January 2019) | 1 |
| 24b | SPX3200LCD | Digital Control Interface Assembly (1.85 hp [all], 2.7 hp [after January 2019]) | 1 |
| 25 | SPX3400DR | Motor Drive – Includes Digital Control Interface (SP3206VSP) | 1 |
| | SPX3400DRVR | Motor Drive, SVRS – Includes Digital Control Interface (SP3206VSPVR) | 1 |
| 26 | SPX3400DR2 | Motor Drive Wiring Cover | 5 |
| 27a | SPX3400Z1ECM | Motor Assembly (before January 2019) | 1 |
| 27b | SPX3206Z1VSPE | Motor and Drive Assembly (after January 2019) | 1 |
| 28 | SPX3400FAN | Motor Fan Shroud (before January 2019) | 5 |
| — | SPX3400DRKIT | Wall Mount Kit | 5 |
| — | SPX3400DRCBL | Wall Mount Display Cable | 5 |
| — | SPXHKIT100 | H-KIT Quick Pump Repair for TriStar® (Includes items 5, 8, 13, 14 and Jack's Lube) | 10 |
| — | SPX3202Z1VSPE | Power End Assembly for SP3200VSP (Includes parts #7-15 and 18, Motor, Drive and Display) | 1 |
| — | SPX3202Z1VSPE | Power End Assembly (No Display "ND" Models) (Includes parts #7-15 and 18, Motor and Drive) | 1 |
| — | SPX3202Z1VSPE | Assembly for SP3202VSP (Includes parts #7-15 and 18, Motor and Drive) | 1 |
| — | SPX3200DRCC | Communication Cable for VS Pump | 5 |

# TriStar® XE

PUMP SERIES REPLACEMENT PARTS



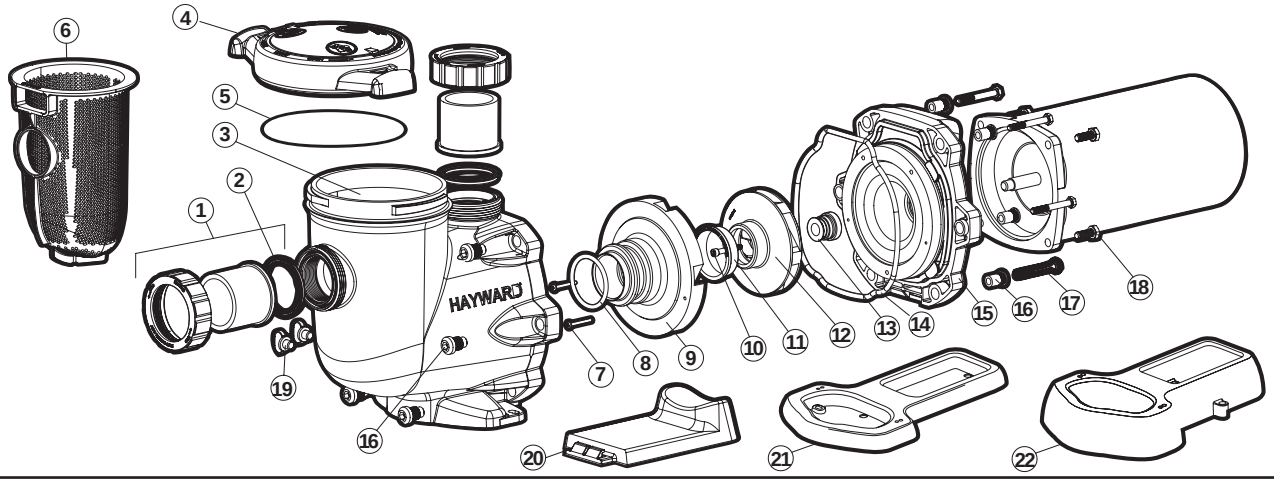
## Parts for Pump Models: SP3207X10XE, SP3210X15XE, SP3215X20XE




| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX3200UNKIT | Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets) | 10 |
| 2 | SPX3200A | Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs | 1 |
| 3 | SPX3200DLS | Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring) | 10 |
| 4 | SPX3200M | Strainer Basket | 2 |
| 5 | SPX3200Z8 | Diffuser Screw | 50 |
| 6 | SPX4000Z1 | Diffuser O-Ring | 50 |
| 7 | SPX3200B3 | Diffuser | 5 |
| 8 | SPX3200Z1 | Impeller Screw | 50 |
| 9 | SPX3021R | Impeller Ring | 50 |
| 10a | SPX3207C | 1.25 THP Impeller with Impeller Screw | 10 |
| 10b | SPX3210C | 1.85 THP Impeller with Impeller Screw | 10 |
| 10c | SPX3215C | 2.25 THP Impeller with Impeller Screw | 10 |
| 11 | SPX3200T | Housing O-Ring | 50 |
| 12 | SPX3200E | Seal Plate | 5 |
| 13 | SPX3200Z211 | Housing Insert/Seal Plate Spacer Kit | 50 |
| 14 | SPX3200Z3 | Housing Bolt | 50 |
| 15 | SPX3200Z5PAK4 | Motor Bolt (package of 4) | 50 |
| 16 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 17 | SPX3200S | Strainer O-Ring | 50 |
| 18 | SPX3200GA | Motor Support | 5 |
| 19a | SPX3207X10XEPE | 1.25 H.P. Power End (Includes items 5–12, 15, 18, 19, 22, 23) | 1 |
| 19b | SPX3210X15XEPE | 1.85 H.P. Power End (Includes items 5–12, 15, 18, 19, 22, 23) | 1 |
| 19c | SPX3215X20XEPE | 2.25 H.P. Power End (Includes 5–12, 15, 18, 19, 22, 23) | 1 |
| 20 | SPX3200Z211 | Housing Insert/Seal Plate Spacer Kit | 50 |
| 21a | SPX3200WF | Optional Riser Base (aligns with Pentair® WhisperFlo® pump) | 1 |
| 21b | SPX3200SR | Optional Riser Base (aligns with Pentair WhisperFlo pump) | 1 |
| 22 | SPX3200Q2 | Motor Support Adapter | 100 |
| 23a | SPX3200SA | Shaft Seal Assembly | 10 |
| 23b | SPX4000SAV | Shaft Seal Assembly (Viton®) | 10 |
| 24 | SPXBTNXE | XE Button Replacement | 1 |

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: SP3205EE, SP3207EE, SP3210(2)EE, SP3215(2)EE, SP3220(2)EE, SP3250EE, SP323063EE, SP36075EE, SP36120EE



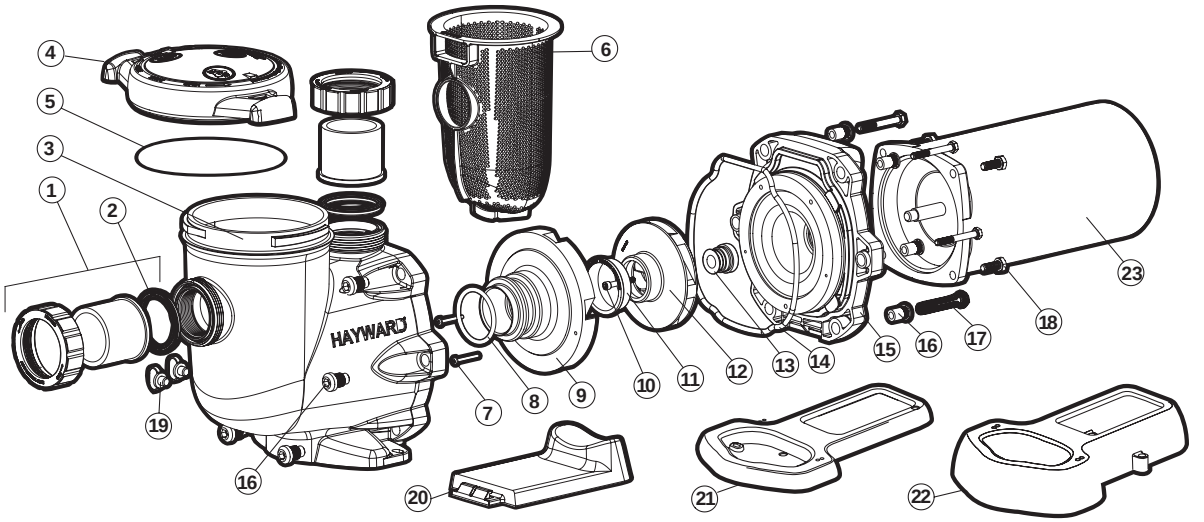

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX3200UNKIT | Union Connector Kit (Includes Nut, Connector, Gasket) | 10 |
| 2 | SPX3200UG | Union Gasket (T-seal), 50 duro EPDM (2 per pack) | 100 |
| 3 | SPX3200A | Pump Strainer Housing, 2" x 2" with Drain Plugs, Threaded Style | 1 |
| 4 | SPX3200DLS | Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring) | 10 |
| 5 | SPX3200S | Strainer Cover O-Ring | 50 |
| 6 | SPX3200M | Strainer Basket | 2 |
| 7 | SPX3200Z8 | Diffuser Screws (2 per) | 50 |
| 8 | SPX4000Z1 | Diffuser O-Ring | 50 |
| 9 | SPX3200B3 | Diffuser | 5 |
| 10 | SPX3200Z1 | Impeller Screw | 50 |
| 11 | SPX3021R | Impeller Ring | 50 |
| 12 | SPX3205C | Impeller for 1/2 H.P. with Impeller Screw | 10 |
| 12 | SPX3207CM | Impeller for 3/4 H.P. with Impeller Screw | 10 |
| 12 | SPX3210C | Impeller for 1 H.P. with Impeller Screw | 10 |
| 12 | SPX3215C | Impeller for 1 1/2 H.P. with Impeller Screw | 10 |
| 12 | SPX3220C | Impeller for 2 H.P. with Impeller Screw | 10 |
| 12 | SPX3230C | Impeller for 3 H.P. with Impeller Screw | 10 |
| 12 | SPX3230C5 | Impeller for 5 H.P. with Impeller Screw | 10 |
| 13 | SPX3200SA | Shaft Seal Assembly | 10 |
| 14 | SPX3200T | Housing O-Ring | 50 |
| 15 | SPX3200E | Seal Plate | 5 |
| 16 | SPX3200Z211 | Housing Insert and Seal Plate Spacer Kit | 50 |
| 17 | SPX3200Z3 | Housing Bolt | 50 |
| 18 | SPX3200Z5 | Motor Bolt | 50 |
| 19 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 20 | SPX3200GA | Bracket, Motor, Support | 5 |
| 21 | SPX3200WF | Riser Base Aligns with Pentair® WhisperFlo® Ports | 1 |
| 22 | SPX3200SR | Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glass II® Ports | 1 |
| — | SPXHKIT100 | H-KIT Quick Pump Repair for TriStar (Includes items 5, 8, 13, 14 and Jack's Lube) | 10 |
| | **Power Ends*/Motor Part No.** | | |
| | SPX3205Z1PE/SPX3205Z1BER | 1/2 H.P. Energy Efficient Full Rate | 1 |
| | SPX3207Z1PE/SPX3207Z1BER | 3/4 H.P. Energy Efficient Full Rate | 1 |
| | SPX3210Z1PE/SPX3210Z1BER | 1 H.P. Energy Efficient Full Rate | 1 |
| | SPX3215Z1PE/SPX3215Z1BER | 1 1/2 H.P. Energy Efficient Full Rate | 1 |
| | SPX3220Z1PE/SPX3220Z1BER | 2 H.P. Energy Efficient Full Rate | 1 |
| | SPX3230Z1PE/SPX3230Z1BER | 3 H.P. Energy Efficient Full Rate | 1 |
| | SPX3250Z1PE/SPX3240Z1MER | 5 H.P. Energy Efficient Full Rate | 1 |
| | SPX3210Z2PE/SPX3210Z2BER | 1 H.P. 2 speed Energy Efficient Full Rate | 1 |
| | SPX3215Z2PE/SPX3215Z2BER | 1 1/2 H.P. 2 speed Energy Efficient Full Rate | 1 |
| | SPX3220Z2PE/SPX3220Z2BER | 2 H.P. 2 speed Energy Efficient Full Rate | 1 |
| | SPX3220Z1PE3V/SPX3220Z1DRV | 2 H.P. 3 phase Energy Efficient Full Rate | 1 |
| | SPX3230Z1PE3 | 3 H.P. 3 phase Energy Efficient Full Rate | 1 |
| | SPX3605Z1BER | Motor - Waterfall 75-120 GPM | 1 |

**NOTE:** *Power End includes Motor, Seal Plate, Seal Diffuser (Includes Ref. #7–18 and Motor)

# TriStar® Waterfall

PUMP SERIES REPLACEMENT PARTS

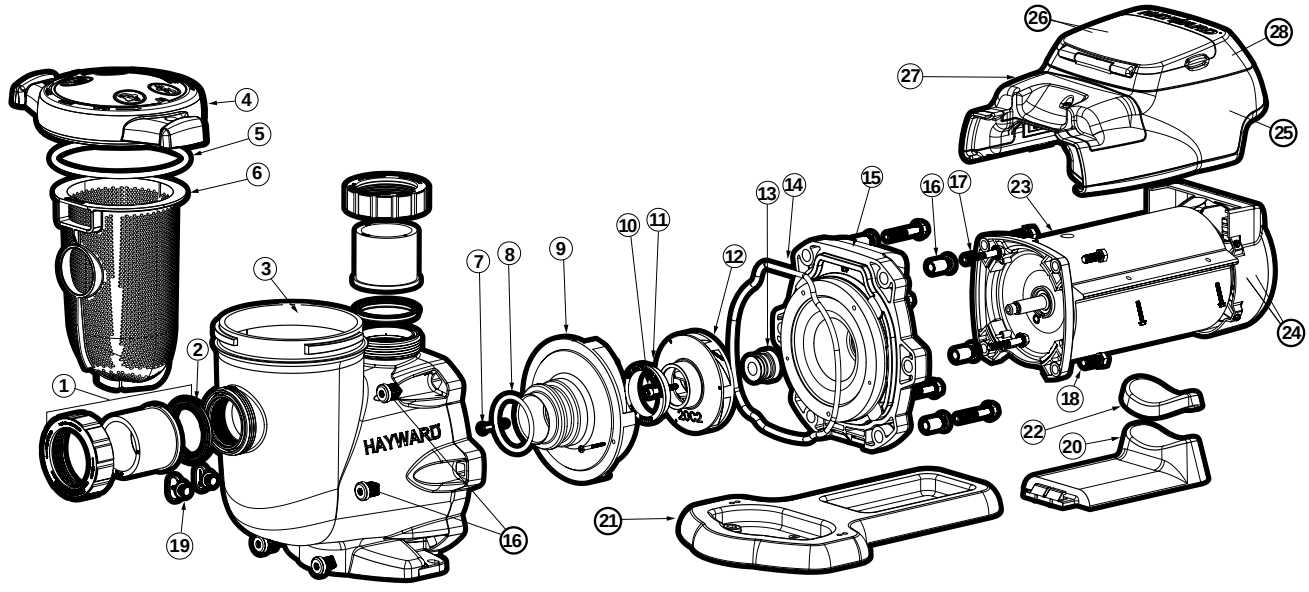
## Parts for Pump Models: SP36075EE, SP36120EE, SP3220VSC, SP3220VSCAQL




| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| **Waterfall Pumps** | | | |
| 1 | SPX3200UNKIT | Union Connector Kit (Includes Nut, Connector, Gasket) | 10 |
| 2 | SPX3200UG | Union Gasket (T-seal), 50 duro EPDM (2 per pack) | 100 |
| 3 | SPX3200A | Pump Strainer Housing, 2" x 2" with Drain Plugs, Threaded Style | 1 |
| 4 | SPX3200DLS | Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring) | 10 |
| 5 | SPX3200S | Strainer Cover O-Ring | 50 |
| 6 | SPX3200M | Strainer Basket | 2 |
| 7 | SPX3200Z8 | Diffuser Screws (2 per) | 50 |
| 8 | SPX4000Z1 | Diffuser O-Ring | 50 |
| 9 | SPX3200B3 | Diffuser | 5 |
| 10 | SPX3200Z1 | Impeller Screw | 50 |
| 11 | SPX3021R | Impeller Ring | 50 |
| 12 | SPX3220C | Impeller for 75 GPM with Impeller Screw | 10 |
| 12 | SPX3230CU | Impeller for 120 GPM with Impeller Screw | 10 |
| 13 | SPX3200SA | Shaft Seal Assembly | 10 |
| 14 | SPX3200T | Housing O-Ring | 50 |
| 15 | SPX3200E | Seal Plate | 5 |
| 16 | SPX3200Z211 | Housing Insert and Seal Plate Spacer Kit | 50 |
| 17 | SPX3200Z3 | Housing Bolt | 50 |
| 18 | SPX3200Z5 | Motor Bolt | 50 |
| 19 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 20 | SPX3200GA | Bracket, Motor, Support | 5 |
| 21 | SPX3200WF | Riser Base Aligns with Pentair® WhisperFlo® Ports | 1 |
| 22 | SPX3200SR | Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glass II® Ports | 1 |
| 23 | SPX3605Z1BER | Motor – Waterfall, 75-120 GPM | 1 |
| — | SPXHKIT100 | H-KIT Quick Pump Repair for TriStar (Includes items 5, 8, 13, 14 and Jack's Lube) | 10 |

**NOTE:** *Interface assemblies include user interface board mounted to interface panel, and RS485 data cable.

## Parts for Pump Models: SP3400VSP, SP3400VSPVR

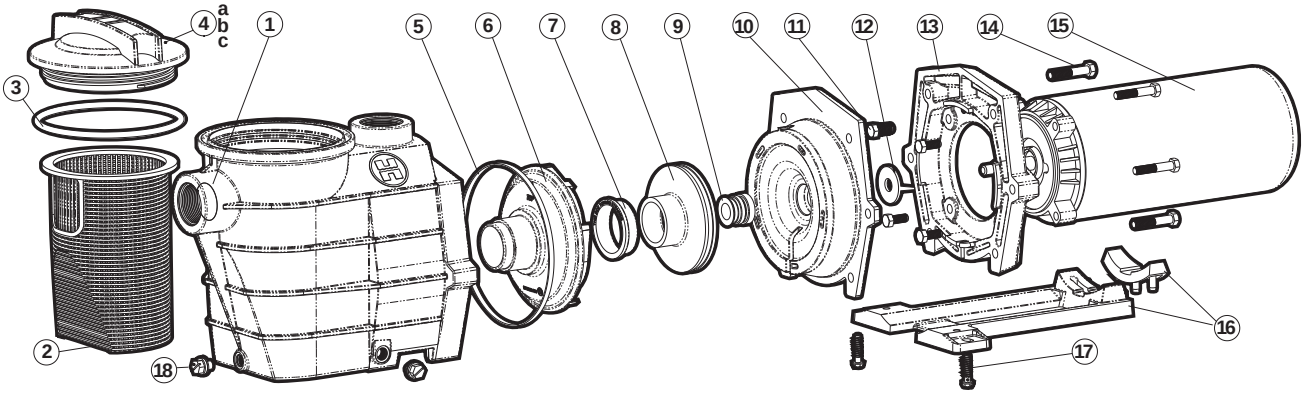



| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX3200UNKIT | Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.) | 10 |
| 2 | SPX3200UG | Union Gasket | 100 |
| 3 | SPX3200A | Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style | 1 |
| 4 | SPX3200DLS | Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring) | 10 |
| 5 | SPX3200S | Strainer Cover O-Ring | 50 |
| 6 | SPX3200M | Strainer Basket | 2 |
| 7 | SPX3200Z8 | Diffuser Screw | 50 |
| 8 | SPX4000Z1 | Diffuser O-Ring | 50 |
| 9 | SPX3200B3 | Diffuser | 5 |
| 10 | SPX3200Z1 | Impeller Screw | 50 |
| 11 | SPX3021R | Impeller Ring | 50 |
| 12 | SPX3220C | Impeller with Impeller Screw | 10 |
| 13 | SPX3200SA | Shaft Seal Assembly | 10 |
| 14 | SPX3200T | Housing O-Ring | 50 |
| 15 | SPX3200E | Seal Plate | 5 |
| 16 | SPX3200Z211 | Housing Insert/Seal Plate Spacer Kit | 50 |
| 17 | SPX3200Z3 | Housing Bolt | 50 |
| 18 | SPX3200Z5PAK4 | Motor Bolt Kit | 50 |
| 19 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 20 | SPX3200GA | Bracket, Motor Support | 5 |
| 21 | SPX3200WF | Riser Base Aligns with Pentair® WhisperFlo® Ports | 1 |
| 21 | SPX3200SR | Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glass II® Ports | 1 |
| 22 | SPX3200Q | Adapter-Motor Support | 100 |
| 23 | SPX3400Z1ECM | Motor Assembly | 1 |
| 24 | SPX3400FAN | Motor Fan Shroud | 5 |
| 25 | SPX3400DR | Motor Drive (Includes Digital Control Interface) | 1 |
| 25 | SPX3400DRVR | Motor Drive, SVRS (Includes Digital Control Interface) | 1 |
| 26 | SPX3400DR4 | Motor Drive Display Cover | 5 |
| 27 | SPX3400DR2 | Motor Drive Wiring Cover | 5 |
| 28 | SPX3400LCD | Digital Control Interface Assembly | 1 |
| — | SPX3400DRKIT | Wall Mount Kit for Digital Control Interface | 5 |
| — | SPX3400DRCBL | Wall Mount Display Cable | 5 |
| — | SPXHKIT100 | H-KIT Quick Pump Repair for EcoStar and TriStar (Includes items 5, 8, 13, 14 and Jack's Lube) | 10 |
| — | GLX-ACT-CONN | Actuator Connector | 100 |
| — | SPX3200DRCC | Communication Cable for VS Pump | 5 |

# Super II™

SP3000X PUMP SERIES (MAX-RATED) REPLACEMENT PARTS

**Parts for Pump Models: SP3005X7, (W3)SP3007X10(2), (W3)SP3010X15(2), (W3)SP3015X20(2), (W3)SP3020X25(2), SP3025X30**

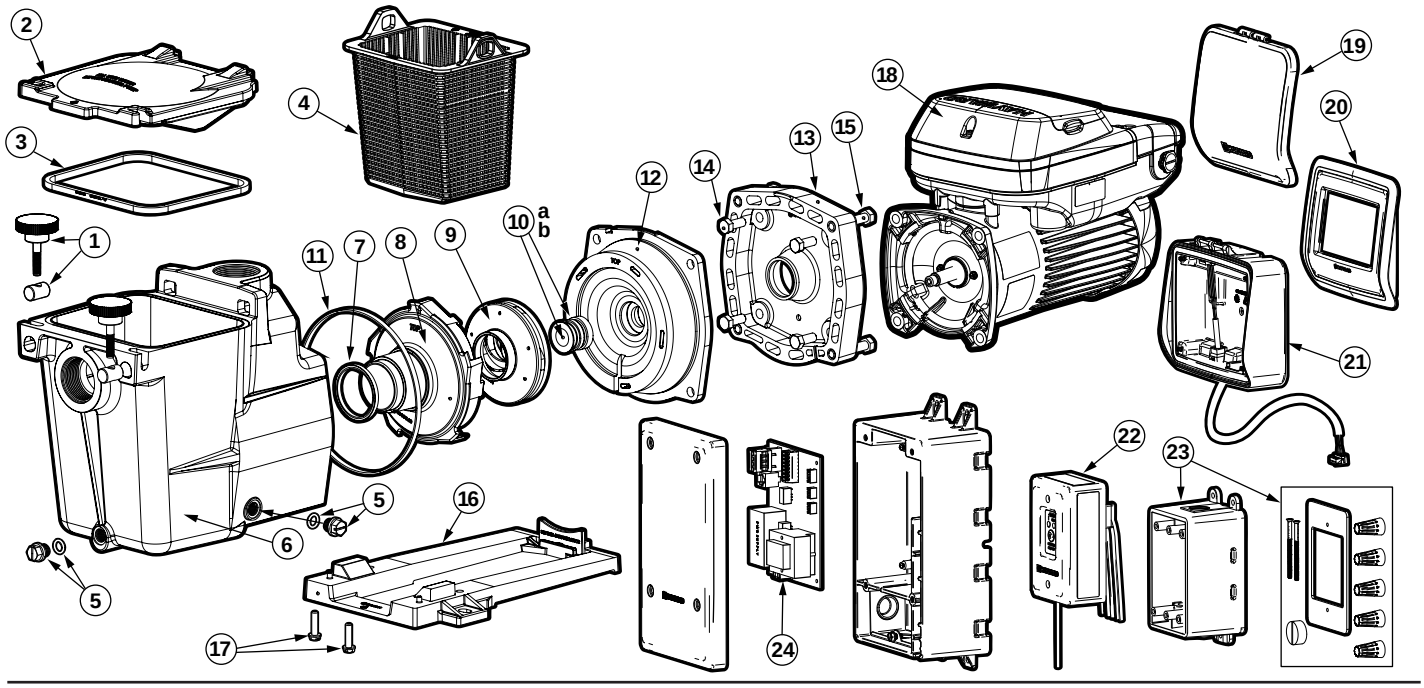



| Ref. No. | Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | SPX3000AA | Pump Housing/Strainer, 1 ½" x 1 ½", with Drain Plugs | 1 | 1 |
| 1 | SPX3100AAZ | Pump Housing/Strainer, 1 ½" x 1 ½", with Drain Plugs, Threaded Style | 1 | 1 |
| 1 | SPX3020AA | Pump Housing/Strainer, 2" x 2", with Drain Plugs | 1 | 1 |
| 1 | SPX3120AAZ | Pump Housing/Strainer, 2" x 2", with Drain Plugs, Threaded Style | 1 | 1 |
| 2 | SPX3000M | Basket | 5 | 1 |
| 3 | SPX3000S | Strainer Cover O-Ring | 20 | 1 |
| 4a | SPX3000D | Strainer Cover, Hand-Knob Style, Clear | 10 | 1 |
| 4b | SPX3100D | Strainer Cover, Threaded Style | 10 | 1 |
| 4c | SPX3100DB | Strainer Cover for Biguanide Sanitizers NOT Pressure Testable | 10 | 1 |
| — | SP3100T | Pump Lid Removal Tool | 25 | 1 |
| 5 | SPX3000T | Housing Gasket | 20 | 1 |
| — | SPX1600R | Diffuser Gasket – Not Shown | 25 | 1 |
| — | SPXHKIT2 | H-KIT Quick Pump Repair for Super II (Includes items 3, 5, 9, SPX1600R and Jack's Lube) | 10 | 1 |
| 6 | SPX2600B | Diffuser, for 3/4 through 2 H.P. (1987 and Prior) | 10 | 1 |
| 6 | SPX3000BN | Diffuser, for 3/4 through 1 1/2 H.P. (after 1988) | 10 | 1 |
| 6 | SPX3000B | Diffuser, for 2 1/2 and 3 H.P. (1989 and Prior) | 10 | 1 |
| 6 | SPX3021B | Diffuser, for 2, 2 1/2 and 3 H.P. (after 1990) | 10 | 1 |
| 7 | SPX3005R | Impeller Ring – 3/4 through 2 H.P. (3000 Series Impellers only) | 50 | 1 |
| 7 | SPX3021R | Impeller Ring – 2 1/2 through 3 H.P. (3000 Series Impellers only) | 50 | 1 |
| 9 | SPX1600Z2 | Seal Assembly | 10 | 1 |
| 10 | SPX3020E | Seal Plate, for SP3000 Series Impellers | 8 | 1 |
| 11 | SPX0125Z44 | Motor Cap Screw (Set of 4) | 20 | 4 |
| 12 | SPX0125F | Slinger | 50 | 1 |
| 13 | SPX3000F | Motor Mounting Plate | 10 | 1 |
| 14 | SPX1600Z4 | Housing Cap Screw | 25 | 6 |
| — | SPX3000Z26 | Washer, 3/8" – for cap screw (Set of 6) – Not Shown | 1 | 6 |
| 16 | SPX3000GA | Mounting Bracket with Adapter and 2 Cap Screws | 10 | 1 |
| 17 | SPX1600Z52 | Mounting Foot Cap Screw (Set of 2) | 1 | 2 |
| 18 | SPX1600V | 1/4" Drain Plug (1991 and Prior) | 50 | 2 |
| 18 | SPX4000FG | 1/4" Drain Plug with Gasket | 50 | 2 |
| **Parts listed below must be ordered for specific model and H.P.:** | | | | |
| 8 | SPX3016C | Impeller, for 2 H.P. | 25 | 1 |
| 8 | SPX3021C | Impeller, for 2 1/2 H.P. | 20 | 1 |
| 8 | SPX3026C | Impeller, for 3 H.P. | 20 | 1 |
| 15 | SPX1605Z1M | Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 | 1 |
| 15 | SPX1607Z1M | Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 | 1 |
| 15 | SPX1610Z1M | Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 | 1 |
| 15 | SPX1615Z1M | Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 | 1 |
| 15 | SPX1620Z1M | Motor, 2 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V) | 1 | 1 |
| 15 | SPX1625Z1M | Motor, 3 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V) | 1 | 1 |
| 15 | SPX1610Z2M | Motor, 1 1/2 H.P., Threaded Shaft, 2-speed (Single Phase, 60 Cycle 230V) | 1 | 1 |
| 15 | SPX1615Z2M | Motor, 2 H.P., Threaded Shaft, 2-speed (Single Phase, 60 Cycle 230V) | 1 | 1 |
| 15 | SPX1620Z2M | Motor, 2 1/2 H.P., Threaded Shaft, 2-speed (Single Phase, 60 Cycle 230V) | 1 | 1 |

# Super Pump VS 700 Omni

REPLACEMENT PARTS

## Parts for Pump Models: HL2670020VSP

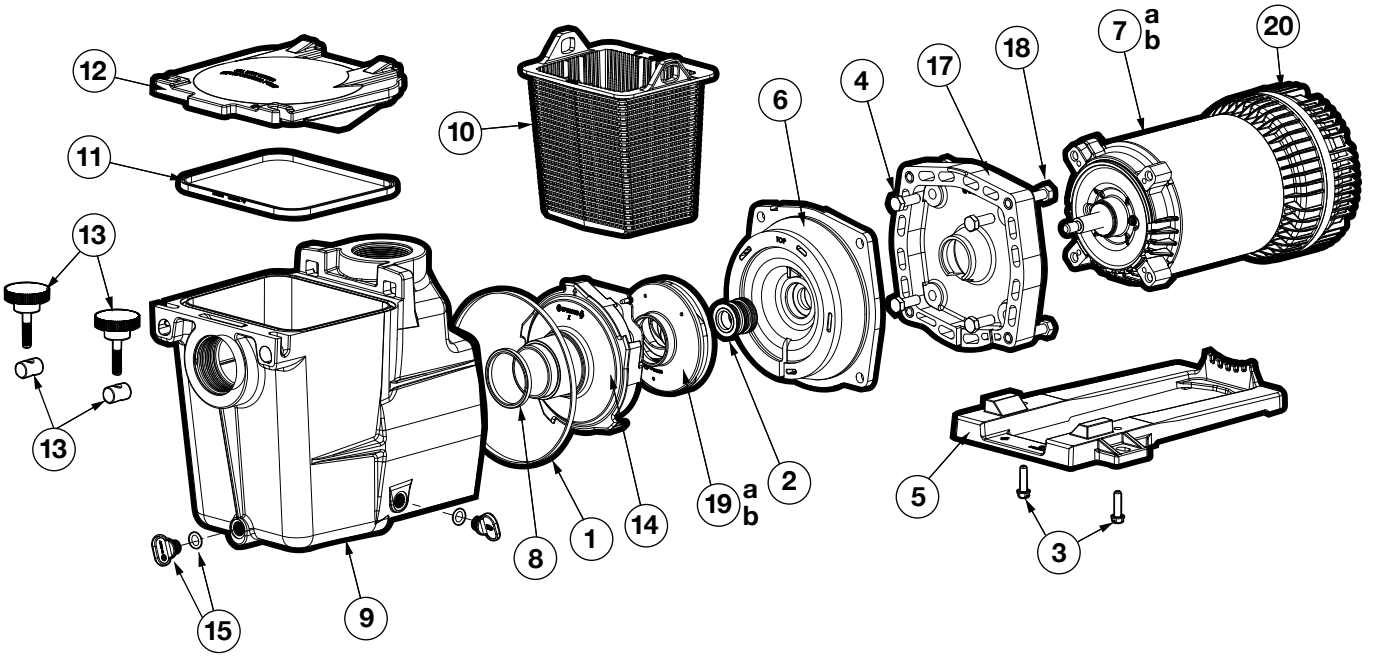



| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX1600PN | Swivel Nut and Hand Knob | 100 |
| 2 | SPX1600D | Strainer Cover | 10 |
| 3 | SPX1600S | Strainer Cover Gasket | 50 |
| 4 | SPX1600M | Basket | 20 |
| 5 | SPX1700FG | Drain Plug with Gasket | 50 |
| 6 | SPX1600AA | Pump/Strainer Housing with Gasket | 1 |
| 7 | SPX1600R | Diffuser Gasket | 25 |
| 8 | SPX2600B | Diffuser | 10 |
| 9 | SPX2610C | Impeller for SP2603VSP and SP2670010X15 | 20 |
| | SPX2607C | Impeller for SP26115VSP and SP2670007X10 | 10 |
| 10 | SPX1600Z2VIT | Viton® Shaft Seal Assembly | 10 |
| 11 | SPX1600T | Housing Gasket | 50 |
| 12 | SPX2600E5 | Seal Plate | 10 |
| 13 | SPX1600F5 | Motor Mounting Plate | 10 |
| 14 | SPX0125Z44 | Motor Cap Screws (Set of 4) | 20 |
| 15 | SPX1600Z4 | Housing Cap Screw | 25 |
| 16 | SPX2600G1 | Mounting Foot (Includes Screws) | 10 |
| 17 | SPX1600Z52 | Mounting Foot Screws (Set of 2) | 1 |
| 18 | SPX3400DR4 | Motor Drive Display Cover (Cover only) | 5 |
| 19 | HLXDCOVER | Sun Cover Replacement | 5 |
| 20 | HLXDLCD | LCD Disp Replacement | 5 |
| 21 | HLXDSPCASE | Case Replacement | 1 |
| 22 | HLX485RELAY | Replacement RS485 Relay | 1 |
| 23 | HLXJBOX | Replacement Jbox | 1 |
| 24 | HLX485100 | RS485 100 ft. Extension | 15 |
| — | HLXHW5PK | OmniHub Hardware - Not Shown (5 pack) | 10 |
| — | HLXWHIP6 | Omni 6 ft. Whip – Not Shown | 5 |
| — | HLH485RELAY | Omni RS485 Smart Relay | 1 |
| — | SPX3200LCD | Digital Control Interface Assembly | 1 |
| — | SPX3400DRKIT | Wall Mount Kit | 5 |
| — | SPXHKIT3 | Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube) | 10 |
| — | HLX485200 | RS485 200 ft. Extension | 5 |
| — | HLXHIOPCB | OmniHub PCB | 1 |
| — | HLXRLYLABL | Replacement Relay Label | 10 |
| — | SPX3200DRCC | Communication Cable for VS Pump | 5 |
| **POWER END** | | | |
| — | SPX2603Z1VSPE | Power End Assembly for SP2603VSP (Includes #7-14, motor and drive) | 1 |

# Super Pump™ XE

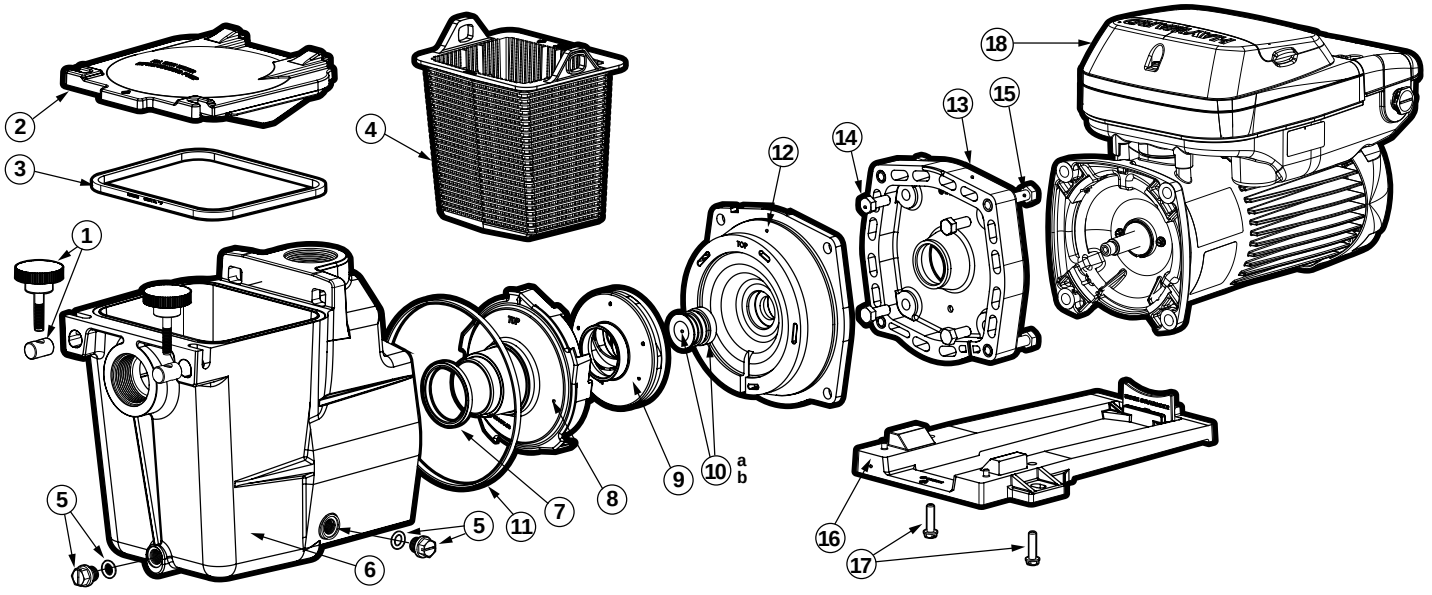
PUMP SERIES REPLACEMENT PARTS

## Parts for Pump Models: SP2610X15XE, SP2615X20XE




| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX1600T | Housing Gasket | 50 |
| 2a | SPX1600Z2 | Shaft Seal Assembly | 10 |
| 2b | SPX1600Z2VIT | Shaft Seal Assembly (Viton®) | 10 |
| 3 | SPX1600Z52 | Mounting Foot Screws (Set of 2) | 1 |
| 4 | SPX3200Z5PAK4 | Motor Cap Screws (Set of 4) | 50 |
| 5 | SPX2600G1 | Mounting Foot, VSP (Includes Screws) | 10 |
| 6 | SPX2600E5 | Seal Plate | 10 |
| 7a | SPX2610X15XEPE | 1.65 H.P. Power End (Includes items 2, 4, 6–8, 14, 17, 19) | 1 |
| 7b | SPX2615X20XEPE | 2.25 H.P. Power End (Includes items 2, 4, 6–8, 14, 17, 19) | 1 |
| 8 | SPX1600R | Diffuser Gasket | 25 |
| 9 | SPX1620AA | Pump Strainer Housing with Gasket | 1 |
| 10 | SPX1600M | Basket | 20 |
| 11 | SPX1600S | Strainer Cover Gasket | 50 |
| 12 | SPX1600D | Strainer Cover | 10 |
| 13 | SPX1600PN | Swivel Nut and Hand Knob | 100 |
| 14 | SPX2600B | Diffuser | 10 |
| 15 | SPX1700FG | Drain Plug with Gasket | 50 |
| 17 | SPX1600F5 | Motor Mounting Plate | 10 |
| 18 | SPX1600Z4 | Housing Cap Screw | 25 |
| 19a | SPX2610C | 1.65 THP Impeller | 20 |
| 19b | SPX2615C | 2.25 THP Impeller | 25 |
| 20 | SPXBTNXE | XE Button Replacement | 1 |

## Parts for Pump Models: SP2670010VSP, SP2670020VSP, (W3)SP2603VSP, SP26115VSP

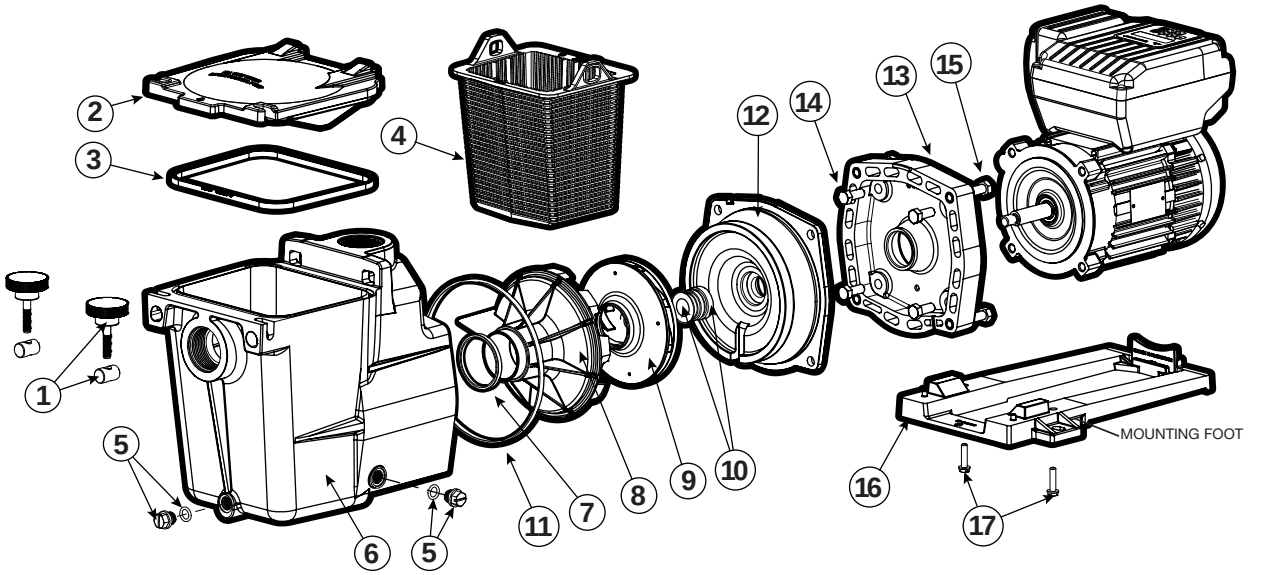



| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX1600PN | Swivel Nut and Hand Knob | 100 |
| 2 | SPX1600D | Strainer Cover | 10 |
| 3 | SPX1600S | Strainer Cover Gasket | 50 |
| 4 | SPX1600M | Basket | 20 |
| 5 | SPX1700FG | Drain Plug with Gasket | 50 |
| 6 | SPX1600AA | Pump/Strainer Housing with Gasket | 1 |
| 7 | SPX1600R | Diffuser Gasket | 25 |
| 8 | SPX2600B | Diffuser | 10 |
| 9 | SPX2607C | Impeller for SP2603VSP | 10 |
| — | SPX2607C | Impeller for SP26115VSP | 10 |
| 10a | SPX1600Z2 | Shaft Seal Assembly (SP2603VSP, SP26115VSP) | 10 |
| 10b | SPX1600Z2VIT | Viton® Shaft Seal Assembly (SP2670010VSP, SP2670020VSP) | 10 |
| 11 | SPX1600T | Housing Gasket | 50 |
| 12 | SPX2600E5 | Seal Plate | 10 |
| 13 | SPX1600F5 | Motor Mounting Plate | 10 |
| 14 | SPX0125Z44 | Motor Cap Screws (Set of 4) | 20 |
| 15 | SPX1600Z4 | Housing Cap Screw | 25 |
| 16 | SPX2600G1 | Mounting Foot (Includes Screws) | 10 |
| 17 | SPX1600Z52 | Mounting Foot Screws (Set of 2) | 1 |
| 18 | SPX3400DR4 | Motor Drive Display Cover (Cover only) | 5 |
| — | SPX3200LCD | Digital Control Interface Assembly | 1 |
| — | SPX3400DRKIT | Wall Mount Kit | 5 |
| — | SPXHKIT3 | Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube) | 10 |
| — | SPX3200DRCC | Communication Cable for VS Pump | 5 |
| **POWER END** | | | |
| — | SPX26115Z1VSPE | Power End Assembly for SP26115VSP (Includes #7-14, motor and drive) | 1 |
| — | SPX2603Z1VSPE | Power End Assembly for SP2603VSP (Includes #7-14, motor and drive) | 1 |

# Super Pump® VS

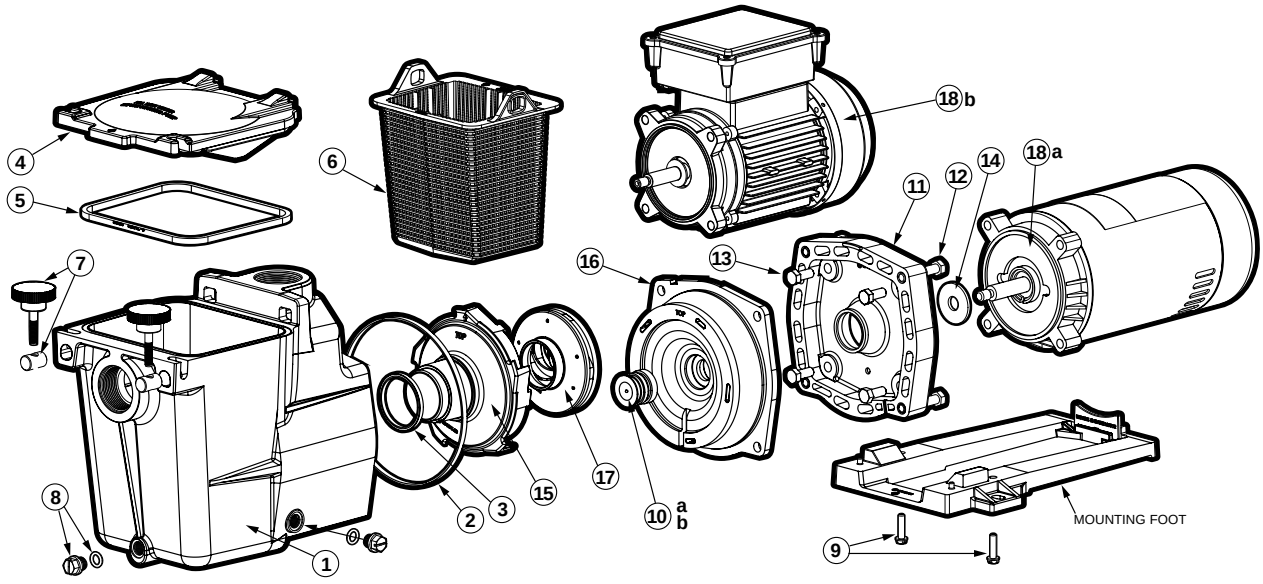
SP2600VSP PUMP SERIES REPLACEMENT PARTS

## Parts for Pump Models: SP2600VSP, SP2602VSP




| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX1600PN | Hand Knob | 100 |
| 2 | SPX1600D | Strainer Cover | 10 |
| 3 | SPX1600S | Strainer Cover Gasket | 50 |
| 4 | SPX1600M | Basket | 20 |
| 5 | SPX1700FG | Drain Plug with Gasket | 50 |
| 6 | SPX1600AA | Pump/Strainer Housing with Gasket | 1 |
| 7 | SPX1600R | Diffuser Gasket | 25 |
| 8 | SPX1616B | Diffuser | 10 |
| 9 | SPX1621C | Impeller | 20 |
| 10 | SPX1600Z2 | Shaft Seal Assembly | 10 |
| 11 | SPX1600T | Housing Gasket | 50 |
| 12 | SPX1611E5 | Seal Plate | 5 |
| 13 | SPX1600F5 | Motor Mounting Plate | 10 |
| 14 | SPX0125Z44 | Motor Cap Screws (Set of 4) | 20 |
| 15 | SPX1600Z4 | Housing Cap Screw | 25 |
| 16 | SPX2600G1 | Mounting Foot (Includes Screws) | 10 |
| 17 | SPX1600Z52 | Mounting Foot Cap Screws (Set of 2) | 1 |
| — | SPXHKIT3 | Quick Fix Kit (Includes #3, 7, 10, 11 & Jack's Lube) | 10 |
| **POWER END** | | | |
| — | SPX2603Z1VSPE | Power End Assembly (Includes parts #8–15, Motor and Drive) | 1 |

Parts for Pump Models: SP2670007X10, SP2670010X15 (W3)SP2600X5, (W3)SP2605X7, (W3)SP2607X10(2S), SP2607EE, (W3)SP2610X15(2S), SP2615X20(2S), SP2621X25

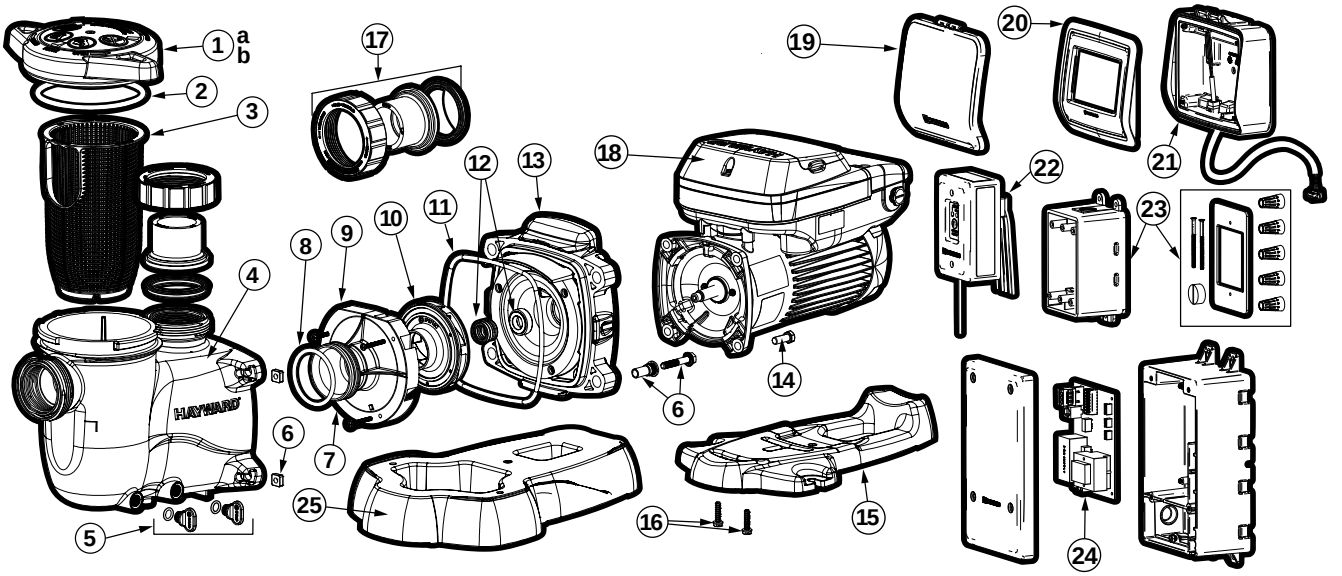



| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX1600AA | Pump Housing/Strainer, 1 1/2" x 1 1/2", with Drain Plugs | 1 |
| 1 | SPX1620AA | Pump Housing/Strainer, 2" x 2", with Drain Plugs | 1 |
| 2 | SPX1600T | Housing Gasket | 50 |
| 3 | SPX1600R | Diffuser Gasket | 25 |
| — | SPX1600TRA | Seal Assembly Kit (Includes Seal Assembly, Housing and Diffuser Gaskets) | 10 |
| 4 | SPX1600D | Strainer Cover | 10 |
| 4 | SPX1600DB | Strainer Cover for Biguanide Sanitizers NOT Pressure Testable | 10 |
| 5 | SPX1600S | Strainer Cover Gasket | 50 |
| 6 | SPX1600M | Basket | 20 |
| 7 | SPX1600PN | Hand Knob Kit (Includes Swivel Nut and Hand Knob) | 100 |
| — | SPX1600V | 1⁄4" Drain Plug (1991 and Prior) | 50 |
| 8 | SPX1700FG | 1⁄4" Drain Plug with Gasket (1992 and later) | 50 |
| 9 | SPX2600G1 | Mounting Foot with Adapter and Screws | 10 |
| — | SPX1600Z52 | Mounting Foot Cap Screw (Set of 2 – 1995 and Prior, 2 sets required) | 1 |
| 10a | SPX1600Z2 | Shaft Seal Assembly (SP2605X7, SP2607X10(2S), SP2607EE, SP2610X15(2S), SP2615X20(2S), SP2621X25) | 10 |
| 10b | SPX1600Z2VIT | Viton® Shaft Seal Assembly (SP2670007X10, SP2670010X15) | 10 |
| 11 | SPX1600F5 | Motor Mounting Plate | 10 |
| 12 | SPX1600Z4 | Housing Cap Screw | 25 |
| 13 | SPX0125Z44 | Motor Cap Screw (Set of 4) | 20 |
| 14 | SPX0125F | Slinger | 50 |
| 15 | SPX2600B | Diffuser, for 1/2 thru 2 H.P. | 10 |
| 15 | SPX1616B | Diffuser, for 2 1/2 H.P. only | 10 |
| 16 | SPX2600E5 | Seal Plate, 1/2 thru 2 H.P. | 10 |
| 16 | SPX1611E5 | Seal Plate, for 2 1/2 H.P. only | 5 |
| — | SPXHKIT3 | H-KIT Quick Pump Repair for Super Pump (includes SPX1600T, SPX1600S, SPX1600R, SPX1600Z2 and Jack's Lube) | 10 |
| **Parts listed below must be ordered for specific model and H.P.:** | | | |
| 17 | SPX2600C | Impeller, for 1/2 H.P. | 20 |
| 17 | SPX2605C | Impeller, for 3/4 H.P. | 20 |
| 17 | SPX2607C | Impeller, for 1 H.P. | 10 |
| 17 | SPX2610C | Impeller, for 1 1/2 H.P. | 20 |
| 17 | SPX2615C | Impeller, for 2 H.P. | 25 |
| 17 | SPX1621C | Impeller, for 2 1/2 H.P. | 20 |
| 18a | SPX1600Z1M | Motor, 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V) | 1 |
| 18a | SPX1605Z1M | Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 |
| 18a | SPX1607Z1BECAG | Motor, 3/4 H.P., Energy Efficient, Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 |
| 18a | SPX1607Z1M | Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 |
| 18a | SPX1610Z1M | Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 |
| 18a | SPX1615Z1M | Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 |
| 18a | SPX1620Z1M | Motor, 2 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V) | 1 |
| 18a | SPX1607Z2MS | Motor, 1 H.P., Threaded Shaft, 2-Speed (Single Phase, 60 Cycle 230V) | 1 |
| 18a | SPX1610Z2MS | Motor, 1 1/2 H.P., Threaded Shaft, 2-Speed (Single Phase, 60 Cycle 230V) | 1 |
| 18a | SPX1615Z2MS | Motor, 2 H.P., Threaded Shaft, 2-Speed (Single Phase, 60 Cycle 230V) | 1 |
| 18b | SPX2607Z1MTBK | Motor, 1 H.P., Threaded Shaft, TEFC (SP2670007X10) | 1 |
| 18b | SPX2610Z1MTBK | Motor, 1 1/2 H.P., Threaded Shaft, TEFC (SP2670010X15) | 1 |

# MaxFlo VS™ 500 Omni

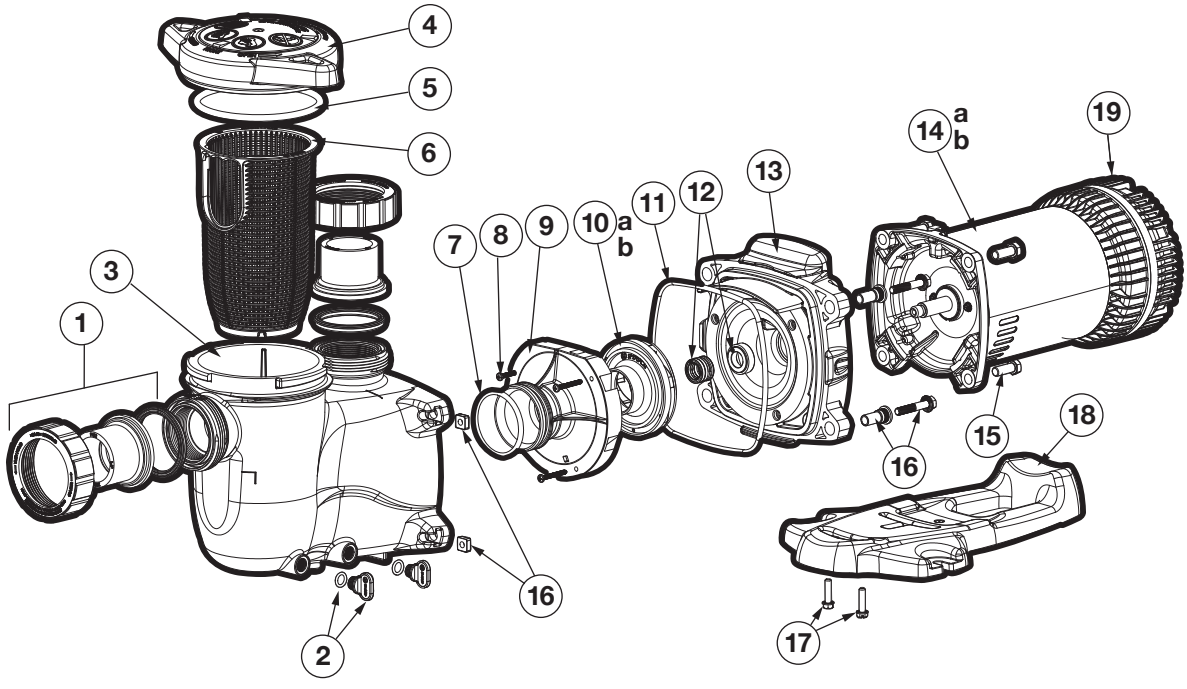
VARIABLE-SPEED PUMP SERIES

## Parts for Pump Models: HL2350020VSP




| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1a | SPX2300DLS | Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring) | 10 |
| 1b | SPX2300DLSB | Strainer Cover Kit for Biguanide Sanitizers (Includes Strainer Cover, Lock-Ring, O-Ring) **NOT** Pressure Testable | 10 |
| 2 | SPX2300Z4 | Strainer Cover O-Ring | 50 |
| 3 | SPX2300M | Strainer Basket | 5 |
| 4 | SPX2300AA | Pump Strainer Housing with Drain Plugs | 1 |
| 5 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 6 | SPX2700ZPAK | Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers and Square Nuts | 10 |
| 7 | SPX2300Z3PAK3 | Diffuser Screws (3 pack) | 50 |
| 8 | SX220Z2 | Diffuser O-Ring | 10 |
| 9 | SPX2300B | Diffuser | 5 |
| 10 | SPX2300CVS | Impeller | 10 |
| 11 | GMX600F | Housing O-Ring | 100 |
| 12 | SPX2700SAV | Viton® Shaft Seal Assembly | 10 |
| 13 | SPX2300E | Seal Plate | 5 |
| 14 | SPX3200Z5PAK4 | Motor Bolt (4 pack) | 50 |
| 15 | SPX2300G | Motor Support with Base Mount Screws | 5 |
| 16 | SPX1600Z52 | Motor Support Base Mount Screws | 1 |
| 17 | SPX2700UNKIT | Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets) | 10 |
| 18 | SPX3400DR4 | Motor Drive Display Cover (Cover only) | 5 |
| 19 | HLXDCOVER | Sun Cover Replacement | 5 |
| 20 | HLXDLCD | LCD Disp Replacement | 5 |
| 21 | HLXDSPCASE | Case Replacement | 1 |
| 22 | HLX485RELAY | Replacement RS485 Relay | 1 |
| 23 | HLXJBOX | Replacement Jbox | 1 |
| 24 | HLXHIOPCB | OmniHub PCB | 1 |
| — | SPX3200LCD | Digital Control Interface Assembly | 1 |
| — | SPX3400DRKIT | Wall Mount Kit | 5 |
| — | HLH485RELAY | Omni RS485 Smart Relay | 1 |
| — | HLX485100 | RS485 100 ft. Extension | 15 |
| — | HLX485200 | RS485 200 ft. Extension | 5 |
| — | HLXHW5PK | OmniHub Hardware - Not Shown (5 pack) | 10 |
| — | HLXWHIP6 | Omni 6 ft. Whip - Not Shown | 5 |
| — | HLXRLYLABL | Replacement Relay Label | 10 |
| **POWER END** | | | |
| — | SPX2603Z1VSPE | Power End Assembly for SP2603VSP (Includes #7-14, Motor and Drive) | 1 |

## Parts for Pump Models: SP2310X15XE, SP2315X20XE

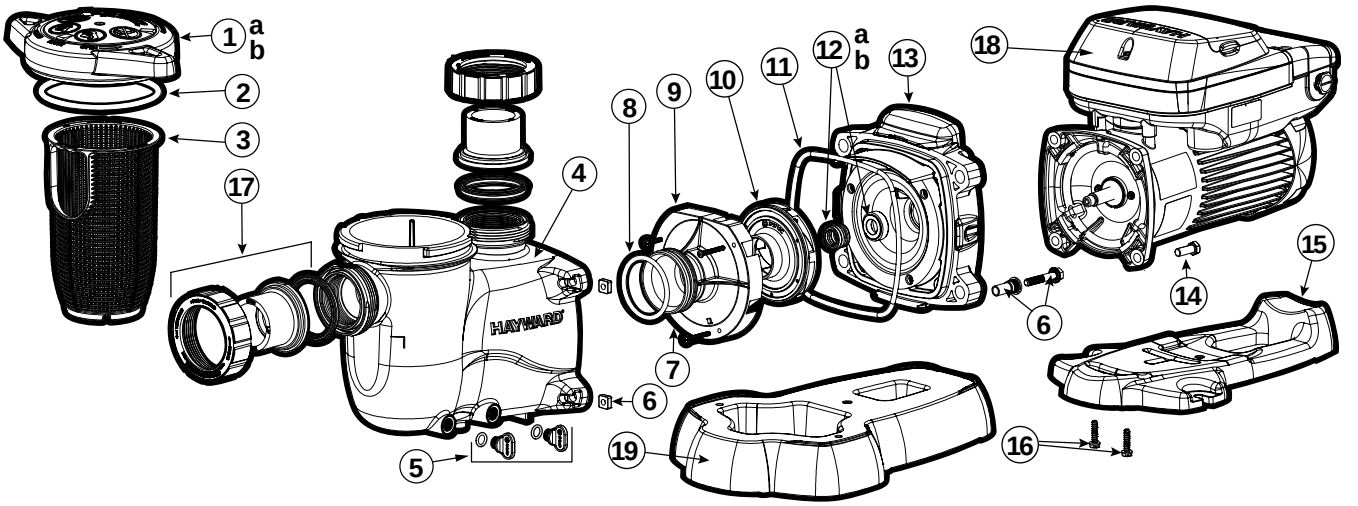



| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX2700UNKIT | Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets) | 10 |
| 2 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 3 | SPX2300AA | Pump Strainer Housing with Drain Plugs | 1 |
| 4 | SPX2300DLS | Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring) | 10 |
| 5 | SPX2300Z4 | Strainer Cover O-Ring | 50 |
| 6 | SPX2300M | Strainer Basket | 5 |
| 7 | SX220Z2 | Diffuser O-Ring | 10 |
| 8 | SPX2300Z3PAK3 | Diffuser Screws (3 Pack) | 50 |
| 9 | SPX2300B | Diffuser | 5 |
| 10a | SPX2710CM | 1.65 THP Impeller | 10 |
| 10b | SPX2715CM | 2.25 THP Impeller | 10 |
| 11 | GMX600F | Housing O-Ring | 100 |
| 12a | SPX2700SA | Shaft Seal Assembly | 10 |
| 12b | SPX2700SAV | Shaft Seal Assembly (Viton®) | 10 |
| 13 | SPX2300E | Seal Plate | 5 |
| 14a | SPX2310X15XEPE | 1.65 HP Power End (Includes items 7–15) | 1 |
| 14b | SPX2315X20XEPE | 2.25 HP Power End (Includes items 7–15) | 1 |
| 15 | SPX3200Z5PAK4 | Motor Bolt (package of 4) | 50 |
| 16 | SPX2700ZPAK | Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers, Square Nuts) | 10 |
| 17 | SPX1600Z52 | Motor Support Base Mount Screws | 1 |
| 18 | SPX2300G | Motor Support (VSP) with Base Mount Screws | 5 |
| 19 | SPXBTNXE | XE Button Replacement | 1 |

# MaxFlo VS™

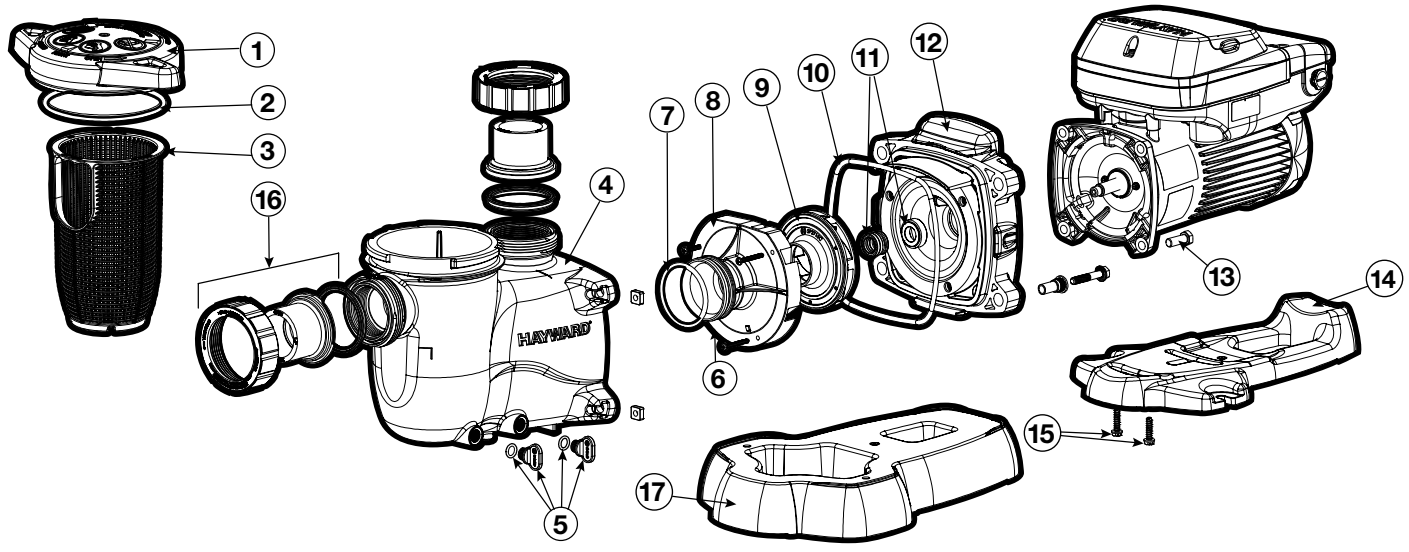
VARIABLE-SPEED PUMP SERIES

## Parts for Pump Models: (W3)SP2303VSP, SP23115VSP, SP23520VSP, SP23510VSP




| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1a | SPX2300DLS | Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring) | 10 |
| 1b | SPX2300DLSB | Strainer Cover Kit for Biguanide Sanitizers (Includes Strainer Cover, Lock-Ring, O-Ring) **NOT** Pressure Testable | 10 |
| 2 | SPX2300Z4 | Strainer Cover O-Ring | 50 |
| 3 | SPX2300M | Strainer Basket | 5 |
| 4 | SPX2300AA | Pump Strainer Housing with Drain Plugs | 1 |
| 5 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 6 | SPX2700ZPAK | Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers and Square Nuts | 10 |
| 7 | SPX2300Z3PAK3 | Diffuser Screws (3 Pack) | 50 |
| 8 | SX220Z2 | Diffuser O-Ring | 10 |
| 9 | SPX2300B | Diffuser | 5 |
| 10 | SPX2300CVS | Impeller | 10 |
| 11 | GMX600F | Housing O-Ring | 100 |
| 12a | SPX2700SAV | Viton® Shaft Seal Assembly (SP23520VSP, SP23510VSP) | 10 |
| 12b | SPX2700SA | Shaft Seal Assembly (SP2303VSP, SP23115VSP) | 10 |
| 13 | SPX2300E | Seal Plate | 5 |
| 14 | SPX3200Z5PAK4 | Motor Bolt (4 pack) | 50 |
| 15 | SPX2300G | Motor Support with Base Mount Screws | 5 |
| 16 | SPX1600Z52 | Motor Support Base Mount Screws | 1 |
| 17 | SPX2700UNKIT | Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets) | 10 |
| 18 | SPX3400DR4 | Motor Drive Display Cover (Cover only) | 5 |
| — | SPX3200LCD | Digital Control Interface Assembly | 1 |
| — | SPX3400DRKIT | Wall Mount Kit | 5 |
| — | SPX3200DRCC | Communication Cable for VS Pump | 5 |
| **OPTIONAL** | | | |
| 19 | SPX2300GR | Optional Riser Base Aligns with Sta-Rite® Dyna-Pro® | 1 |
| **POWER END** | | | |
| — | SPX2303Z1VSPE | Power End Assembly for SP23520VSP (Includes parts #7–14, Motor and Drive) | 1 |
| — | SPX23115Z1VSPE | Power End Assembly for SP23510VSP (Includes parts #7–14, Motor and Drive) | 1 |

## Parts for Pump Models: SP2300VSP, SP2302VSP, SP2302VSPND

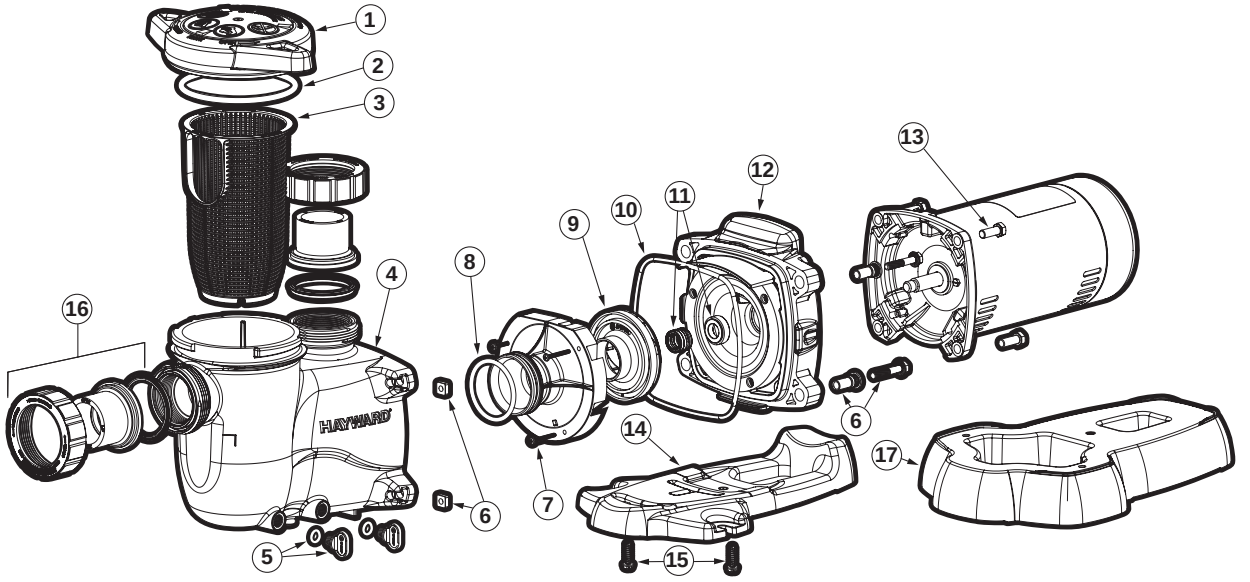



| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SPX2300DLS | Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring) | 10 |
| 2 | SPX2300Z4 | Strainer Cover O-Ring | 50 |
| 3 | SPX2300M | Strainer Basket | 5 |
| 4 | SPX2300AA | Pump Strainer Housing with Drain Plugs | 1 |
| 5 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 6 | SPX2300Z3PAK3 | Diffuser Screws (3 Pack) | 50 |
| 7 | SX220Z2 | Diffuser O-Ring | 10 |
| 8 | SPX2300B | Diffuser | 5 |
| 9 | SPX2300CVS | Impeller | 10 |
| 10 | GMX600F | Housing O-Ring | 100 |
| 11 | SPX2700SA | Shaft Seal Assembly | 10 |
| 12 | SPX2300E | Seal Plate | 5 |
| 13 | SPX3200Z5PAK4 | Motor Bolt (4 Pack) | 50 |
| 14 | SPX2300G | Motor Support with Base Mount Screws | 5 |
| 16 | SPX1600Z52 | Motor Support Base Mount Screws | 1 |
| 16 | SPX2700UNKIT | Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets) | 10 |
| — | SPX3200LCD | Digital Control Interface Assembly | 1 |
| — | SPX3400DRKIT | Wall Mount Kit | 5 |
| — | SPXHKIT3 | Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube) | 10 |
| — | SPX3200DRCC | Communication Cable for VS Pump | 5 |
| OPTIONAL | | | |
| 17 | SPX2300GR | Optional Riser Base Aligns with Sta-Rite® Dyna-Pro® | 1 |
| POWER END | | | |
| — | SPX2303Z1VSPE | Power End Assembly (Includes parts #7–14, Motor and Drive) | 1 |

# MaxFlo XL™

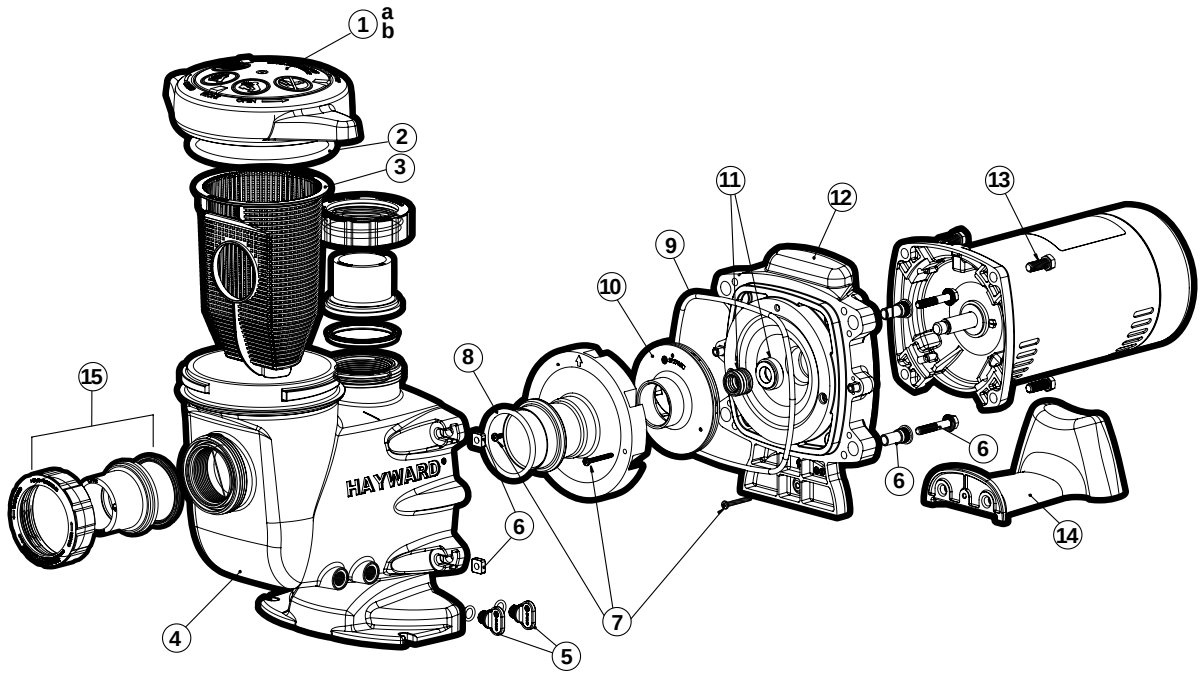
SP2300X PUMP SERIES (MAX-RATED) REPLACEMENT PARTS

## Parts for Pump Models: SP2305X7(EE)(SP), (W3)SP2307X10(2), (W3)SP2310X15(2), (W3)SP2315X20(2)




| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1a | SPX2300DLS | Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring) | 10 |
| 1b | SPX2300DLSB | Strainer Cover Kit for Biguanide Sanitizers (Includes Strainer Cover, Lock-Ring, O-Ring) **NOT** Pressure Testable | 10 |
| 2 | SPX2300Z4 | Strainer Cover O-Ring | 50 |
| 3 | SPX2300M | Strainer Basket | 5 |
| 4 | SPX2300AA | Pump Strainer Housing with Drain Plugs | 1 |
| 5 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 6 | SPX2700ZPAK | Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers and Square Nuts) | 10 |
| 7 | SPX2300Z3PAK3 | Diffuser Screws (Pack of 3) | 50 |
| 8 | SX220Z2 | Diffuser O-Ring | 10 |
| 9 | SPX2700C | Impeller for 3/4 H.P. Max-Rate Pump | 10 |
| | SPX2700CSP | Impeller for Pump Model SP2305X7EESP | 1 |
| | SPX2707CM | Impeller for 1 H.P. Max-Rate Pump | 10 |
| | SPX2710CM | Impeller for 1 1/2 H.P. Max-Rate Pump | 10 |
| | SPX2715CM | Impeller for 2 H.P. Max-Rate Pump | 10 |
| 10 | GMX600F | Housing O-Ring | 100 |
| 11 | SPX2700SA | Shaft Seal Assembly | 10 |
| 12 | SPX2300E | Seal Plate | 5 |
| 13 | SPX3200Z5PAK4 | Motor Bolt (Pack of 4) | 50 |
| 12 | SPX2300E | Seal Plate | 5 |
| 14 | SPX2300G | Motor Support with Base Mount Screws | 5 |
| 15 | SPX1600Z52 | Motor Support Base Mount Screws | 1 |
| 16 | SPX2700UNKIT | Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets) | 10 |
| **OPTIONAL** | | | |
| 17 | SPX2300GR | Optional Riser Base Aligns with Sta-Rite® Dyna-Pro® | 1 |
| **MOTORS** | | | |
| | SPX2705Z1M | Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V/208-230V) | 1 |
| | SPX2705Z1ME | Motor, 3/4 H.P., Energy Efficient Threaded Shaft (Single Phase, 60 Cycle 115/208-230V) | 1 |
| | SPX2707Z1M | Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/208-230V) | 1 |
| | SPX2710Z1M | Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/208-230V) | 1 |
| | SPX2715Z1ME | Motor, 2 H.P., Energy Efficient, Threaded Shaft (Single Phase, 60 Cycle 115/208-230V) | 1 |
| | SPX2707Z2M | Motor, 1 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle 230V) | 1 |
| | SPX2710Z2M | Motor, 1 1/2 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle 230V) | 1 |
| | SPX2715Z2M | Motor, 2 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle 230V) | 1 |

## Parts for Pump Models: SP2705X7(EE), SP2707X10(2), SP2710X15(2), SP2715X20(2)

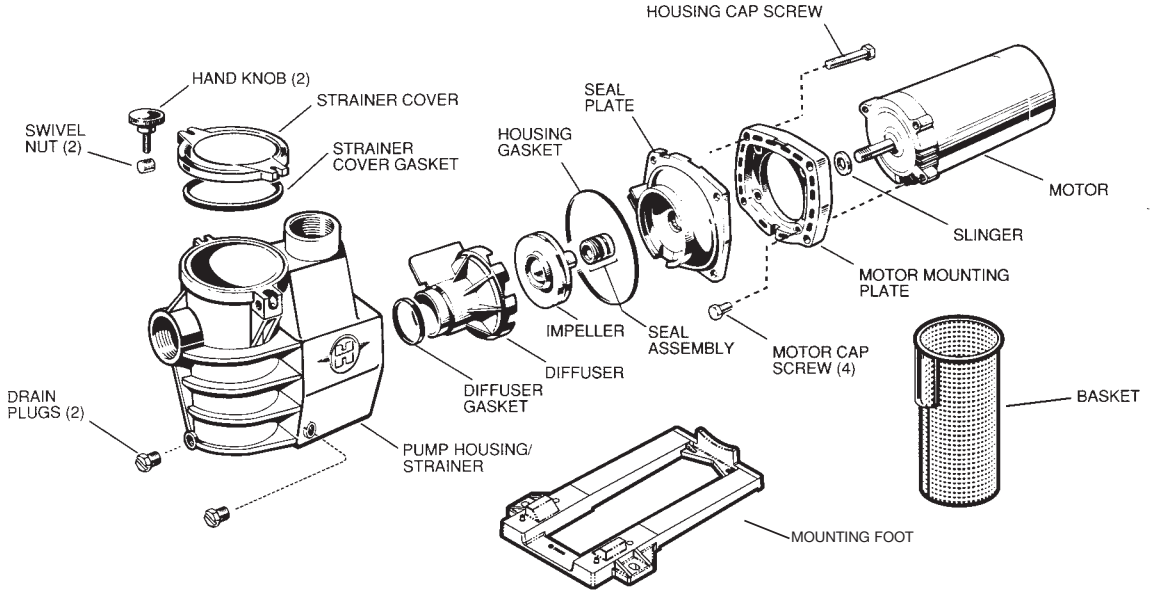



| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1a | SPX2700DLS | Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring) | 10 |
| 1b | SPX2700DLSB | Strainer Cover Kit for Biguanide Sanitizers (Includes Strainer Cover, Lock-Ring, O-Ring) **NOT** Pressure Testable | 10 |
| 2 | SPX2700Z4 | Strainer Cover O-Ring | 50 |
| 3 | SPX2700M | Strainer Basket | 5 |
| 4 | SPX2700AA | Pump Strainer Housing (Includes Strainer Cover Assembly, Basket and Drain Plugs) | 1 |
| 5 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 6 | SPX2700ZPAK | Housing Hardware Kit (Includes 4 Housing Bolts, Spacers and Nuts) | 10 |
| 7 | SPX2700Z3 | Diffuser Screw Kit (Pack of 5) | 50 |
| 8 | SX220Z2 | Diffuser O-Ring | 10 |
| 9 | GMX600F | Housing O-Ring | 100 |
| 11 | SPX2700SA | Shaft Seal Assembly | 10 |
| 12 | SPX2700EKIT | Seal Plate and Diffuser Kit | 1 |
| 13 | SPX3200Z5 | Motor Bolt | 50 |
| 14 | SPX2700G | Motor Support | 5 |
| **OPTIONAL** | | | |
| 15 | SPX2700UNKIT | Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets) | 10 |
| — | SPX3200UG | Union Gasket (Pack of 2) | 100 |
| **Parts listed below must be ordered for specific model and H.P.** | | | |
| 10 | SPX2700C | Impeller for 3/4 H.P. | 10 |
| 10 | SPX2707CM | Impeller for 1 H.P. | 10 |
| 10 | SPX2710CM | Impeller for 1 1/2 H.P. | 10 |
| 10 | SPX2715CM | Impeller for 2 H.P. | 10 |
| **MOTORS** | | | |
| | SPX2705Z1M | Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle, 115/208-230V) | 1 |
| | SPX2705Z1ME | Motor, 3/4 H.P. Energy Efficient, Threaded Shaft (Single Phase, 60 Cycle, 115/208-230V) | 1 |
| | SPX2707Z1M | Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle, 115/208-230V) | 1 |
| | SPX2710Z1M | Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle, 115/208-230V) | 1 |
| | SPX2715Z1ME | Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle, 115/208-230V) | 1 |
| | SPX2707Z2M | Motor, 1 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle, 230V) | 1 |
| | SPX2710Z2M | Motor, 1 1/2 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle, 230V) | 1 |
| | SPX2715Z2M | Motor, 2 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle, 230V) | 1 |

# MaxFlo™

SP2800X PUMP SERIES (MAX-RATED) REPLACEMENT PARTS

## Parts for Pump Models: SP2800X5, SP2805X7, SP2807X10, SP2810X15(2), SP2815X20



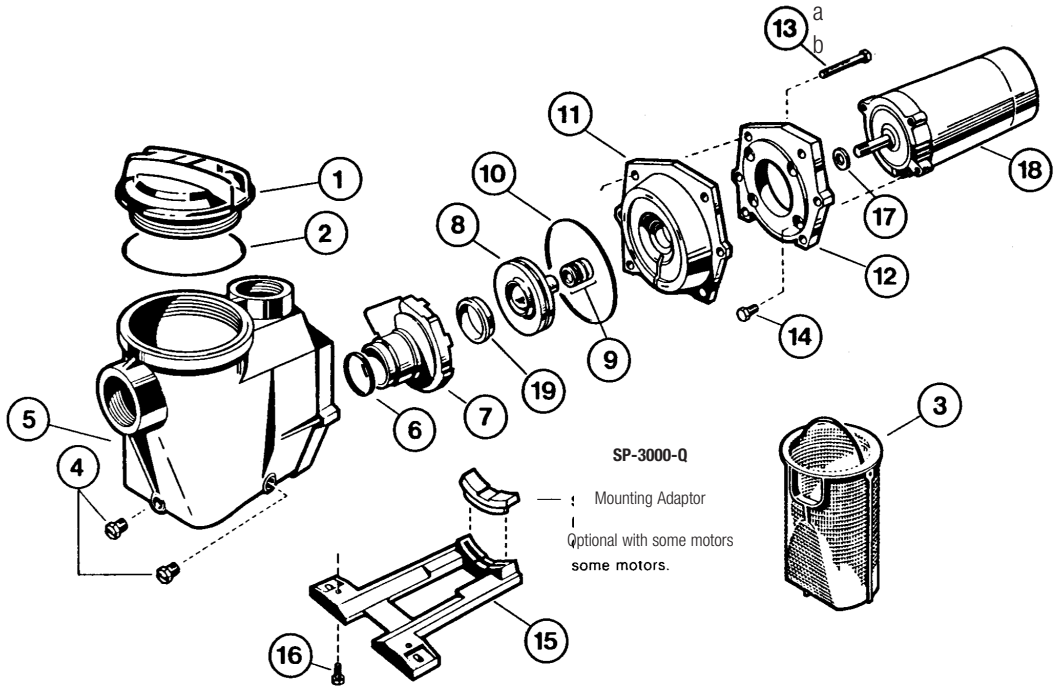

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX2800AA* | Pump Housing/Strainer accepts Swing Away Knobs, 1 ½" x 1 ½", with Drain Plugs (1995 and Prior) | 1 |
| SPX1250LA | Strainer Cover, clear with Gasket (Fits All Models) | 10 |
| SPX1250LAB | Strainer Cover, with Gasket for Biguarnide Sanitizers **NOT** Pressure testable | 10 |
| SPX0125T | Strainer Cover Gasket | 20 |
| SPX1250RA | Basket (1994 and Prior) | 10 |
| SPX2800M | Basket (1995) | 10 |
| SPX1250Z4 | Hand Knob, Three Pointed (1994 and Prior) | 50 |
| SPX1600PN | Hand Knob Kit (1995, Includes Swivel Nut and Hand Knob) | 100 |
| SPX1600T | Housing Gasket | 50 |
| SPX1600R | Diffuser Gasket | 25 |
| SPX1600TRA | Seal Assembly Kit (Includes Seal Assembly, Housing and Diffuser Gaskets) | 10 |
| SPX1600V | ¼" Drain Plug (1991 and Prior) | 50 |
| SPX1700FG | ¼" Drain Plug with Gasket | 50 |
| SPX2600G1 | Mounting Foot with Adapter and Screws | 10 |
| SPX1600Z52 | Mounting Foot Cap Screw (Set of 2 – 1995 and Prior, 2 sets required) | 1 |
| SPX1600Z2 | Seal Assembly | 10 |
| SPX1600F5 | Motor Mounting Plate | 10 |
| SPX1600Z4 | Housing Cap Screw | 25 |
| SPX0125Z44 | Motor Cap Screw (Set of 4) | 20 |
| SPX0125F | Slinger | 50 |
| SPX2800B | Diffuser, for all H.P.'s | 15 |
| SPX2600E5 | Seal Plate | 10 |
| SPXHKIT1 | H-KIT Quick Pump Repair for MaxFlo (Includes SPX1600T, SPX0125T, SPX1600R, SPX1600Z2 and Jack's Lube) | 10 |
| **Housing Conversion Kit —To Swing Away Knob Style** | | |
| SPX2800AAC* | Complete Housing Conversion Kit. Includes housing, strainer cover and gasket, basket, round hand knobs (2), and swivel nuts (2). | 1 |
| **Parts listed below must be ordered for specific model & H.P.:** | | |
| SPX2600C | Impeller, for 1/2 H.P. Max Rated | 20 |
| SPX2605C | Impeller, for 3/4 H.P. Max Rated | 20 |
| SPX2607C | Impeller, for 1 H.P. Max Rated | 10 |
| SPX2610C | Impeller, for 1 1/2 H.P. Max Rated | 20 |
| SPX2615C | Impeller, for 2 H.P. Max Rated | 25 |
| SPX1600Z1M | Motor, 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V) | 1 |
| SPX1605Z1M | Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 |
| SPX1607Z1M | Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 |
| SPX1610Z1M | Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 |
| SPX1615Z1M | Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V) | 1 |
| SPX1610Z2M | Motor, 1 1/2 H.P., Threaded Shaft, Two-speed (Single Phase, 60 Cycle, 230V) | 1 |

**NOTE:** *SP2800AAC is a complete substitute for SPX2800AA.

# EZ Flo Pump

EZ FLO PUMP EPLACEMENT PARTS

## Parts for Models: SP3105X7, SP3107X10, SP3110X15, SP3115X20, SP3120X25

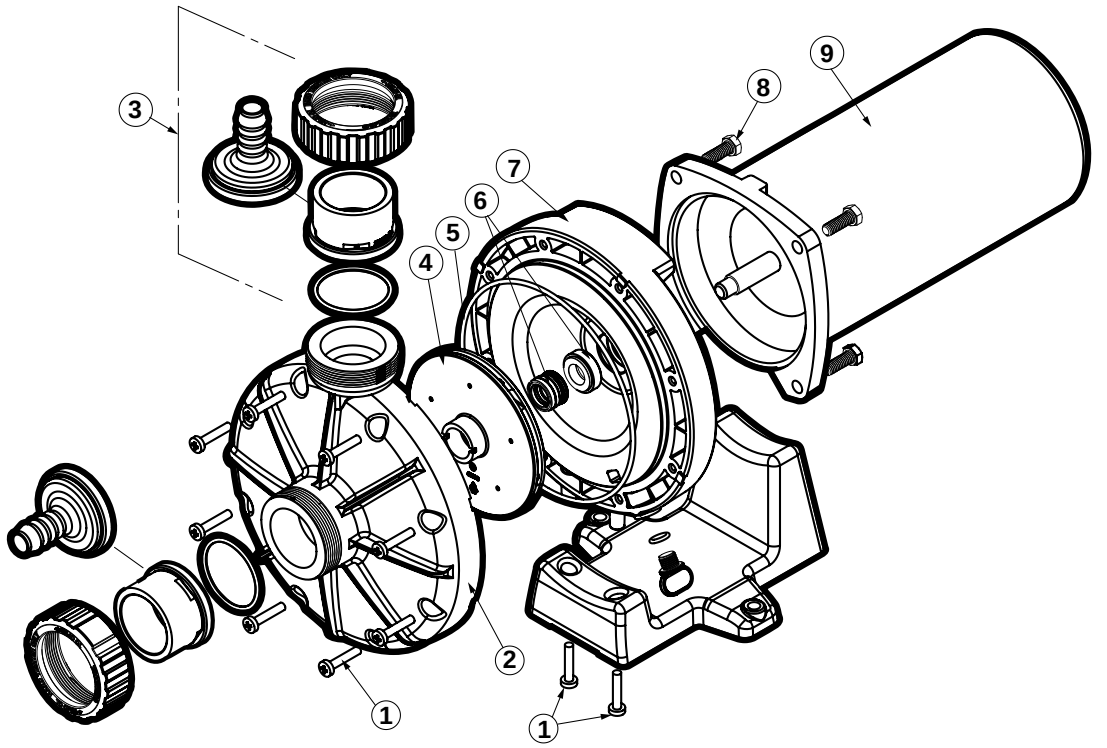



| Ref. No. | Description | No. Req'd | Part Number | | | | |
|---|---|---|---|---|---|---|---|
| | | | Model SP3105X7 | Model SP3107X10 | Model SP3110X15 | Model SP3115X20 | Model SP3120X25 |
| 1 | Strainer Cover; Threaded | 1 | SPX3100D | SPX3100D | SPX3100D | SPX3100D | SPX3100D |
| 2 | Strainer Cover O-Ring | 1 | SPX3000S | SPX3000S | SPX3000S | SPX3000S | SPX3000S |
| 3 | Basket | 1 | SPX3000-M | SPX3000M | SPX3000M | SPX3000M | SPX3000M |
| 4 | Drain Plug w/o O-Ring | 2 | SPX1700FG | SPX1700FG | SPX1700FG | SPX1700FG | SPX1700FG |
| 5 | Pump Housing/Strainer Basket | 1 | SPX3100AA | SPX3100AA | SPX3100AA | SPX3120AA | SPX3120AA |
| 6 | Diffuser Gasket | 1 | SPX1600R | SPX1600R | SPX1600R | SPX1600R | SPX1600R |
| 7 | Diffuser | 1 | SPX3000BN | SPX3000BN | SPX3000BN | SPX3021B | SPX3021B |
| 8 | Impeller | 1 | SPX3005C | SPX3007C | SPX3010C | SPX3016C | SPX3021C |
| 9 | Seal Assembly | 1 | SPX1600Z2 | SPX1600Z2 | SPX1600Z2 | SPX1600Z2 | SPX1600Z2 |
| 10 | Housing Gasket | 1 | SPX3000T | SPX3000T | SPX3000T | SPX3000T | SPX3000T |
| 11 | Seal Plate | 1 | SPX3020E | SPX3020E | SPX3020E | SPX3020E | SPX3020E |
| 12 | Motor Mounting Plate | 1 | SPX3000F | SPX3000F | SPX3000F | SPX3000F | SPX3000F |
| 13a | Housing Cap Screw | 6 | SPX1600Z4 | SPX1600Z4 | SPX1600Z4 | SPX1600Z4 | SPX1600Z4 |
| 13 | Housing Cap Screw | 1 | SPX3000Z26 | SPX3000Z26 | SPX3000Z26 | SPX3000Z26 | SPX3000Z26 |
| 14 | Motor Cap Screw (Set of 4) | 1 | SPX0125Z44 | SPX0125Z44 | SPX0125Z44 | SPX0125Z44 | SPX0125Z44 |
| 15 | Mounting Bracket w/screw | 1 | SPX3000GA | SPX3000GA | SPX3000GA | SPX3000GA | SPX3000GA |
| 16 | Mounting Bracket Screw (Set of 2) | 1 | SPX1600Z52 | SPX1600Z52 | SPX1600Z52 | SPX1600Z52 | SPX1600Z52 |
| 17 | Slinger | 1 | SPX0125F | SPX0125F | SPX0125F | SPX0125F | SPX0125F |
| 18 | Motor-60 Cycle Single Phase | 1 | SPX1605Z1M | SPX1607Z1M | SPX1610Z1M | SPX1615Z1M | SPX1620Z1M |
| 19 | Impeller Ring | 1 | SPX3005R | SPX3005R | SPX3005R | SPX3021R | SPX3021R |
| | Strainer Cover Removal Tool | 1 | SPX3100T | SPX3100T | SPX3100T | SPX3100T | SPX3100T |

# Booster Pump

HSP30060, (W3)6060 BOOSTER PUMP REPLACEMENT PARTS

## Parts for Booster Pump Models: HSP30060, (W3)6060

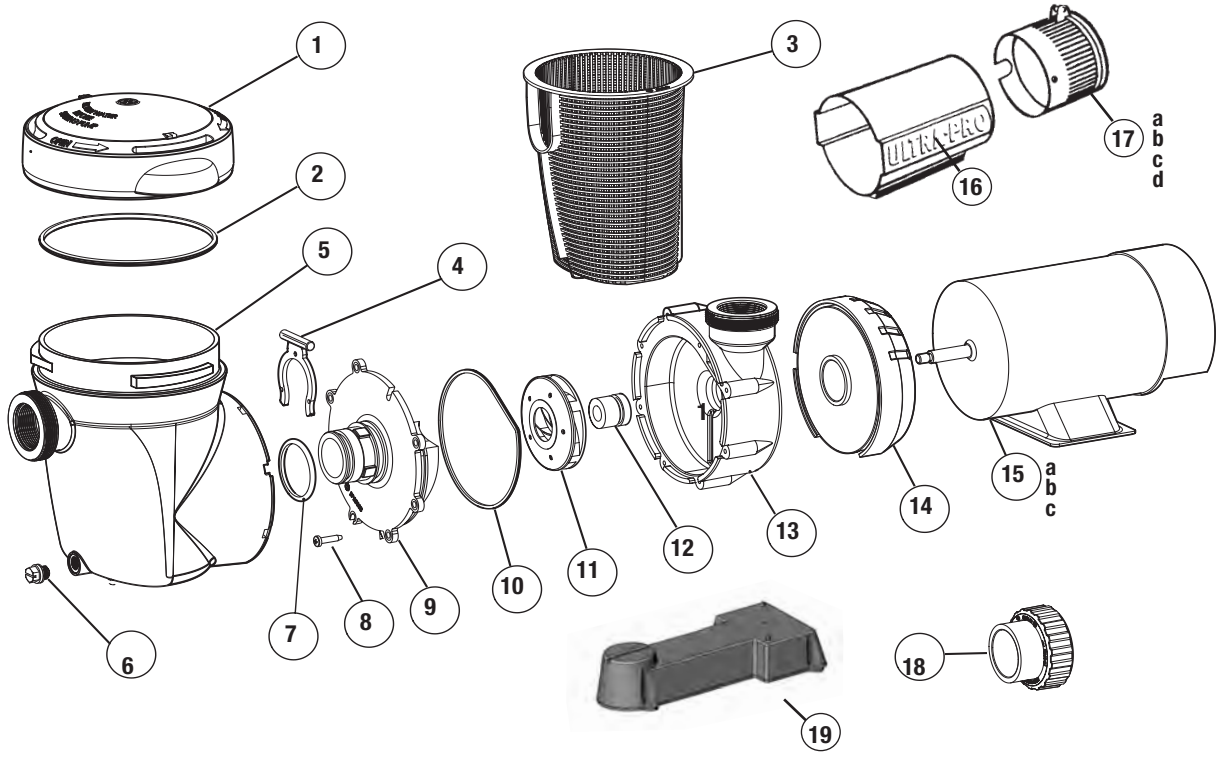



| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| **(W3)6060 Booster Pump Parts** | | | |
| 1 | AX6060Z1 | Screws | 10 |
| 2 | AX6060A | Volute | 1 |
| 3 | AX6060UNPAK | Union Fittings Kit (2 Unions with O-Rings) | 5 |
| — | SPX1495Z1 | Union O-Ring | 50 |
| 4 | AX6060C | Impeller Assembly | 5 |
| 5 | AX6060S | O-Ring | 50 |
| 6 | SPX2700SA | Seal Assembly | 10 |
| 7 | AX6060E | Seal Plate Assembly (Seal Plate with Drain Plug and O-Ring) | 1 |
| 8 | SPX4000FG | Drain Plug with O-Ring | 50 |
| 9 | AX6060G | Motor Support | 1 |
| 10 | SPX3200Z5 | Motor Bolts | 50 |
| 11a | SPX2707Z1BT | HSP30060 Motor (3/4 H.P., 60 Cycles) | 1 |
| 11b | SPX2707Z1B | 6060 Motor (3/4 H.P., 60 Cycles) | 1 |
| — | 6060HKIT | Booster Pump Hose Kit, HSP30060 and 6060 | 1 |
| **5060 Booster Pump Parts** | | | |
| 1 | AX5060M | Motor (3/4 H.P. 60 Cycles) | 1 |
| 2 | AX5060B2 | Seal Plate (2004 and beyond) | 10 |
| 3 | SPX1250XZ2C | Spring Seal with Seat | 10 |
| 4 | AX5060C | Impeller Assembly | 10 |
| 5 | AX5060J | Ribbon Gasket (2004 and beyond) | 50 |
| 6 | AX5060A | Volute 3/4 NPT-F | 10 |
| 7 | SPX1700FG | Pipe Plug with Gasket | 50 |
| 8 | AX5060P | Stem Bumper | 10 |
| 9 | AX5060D | Base | 1 |
| 10 | AX5060HKIT | 5060 Booster Pump Hose Kit | 10 |

# Matrix Pump

SP5600 PUMP SERIES REPLACEMENT PARTS

## Parts Diagram

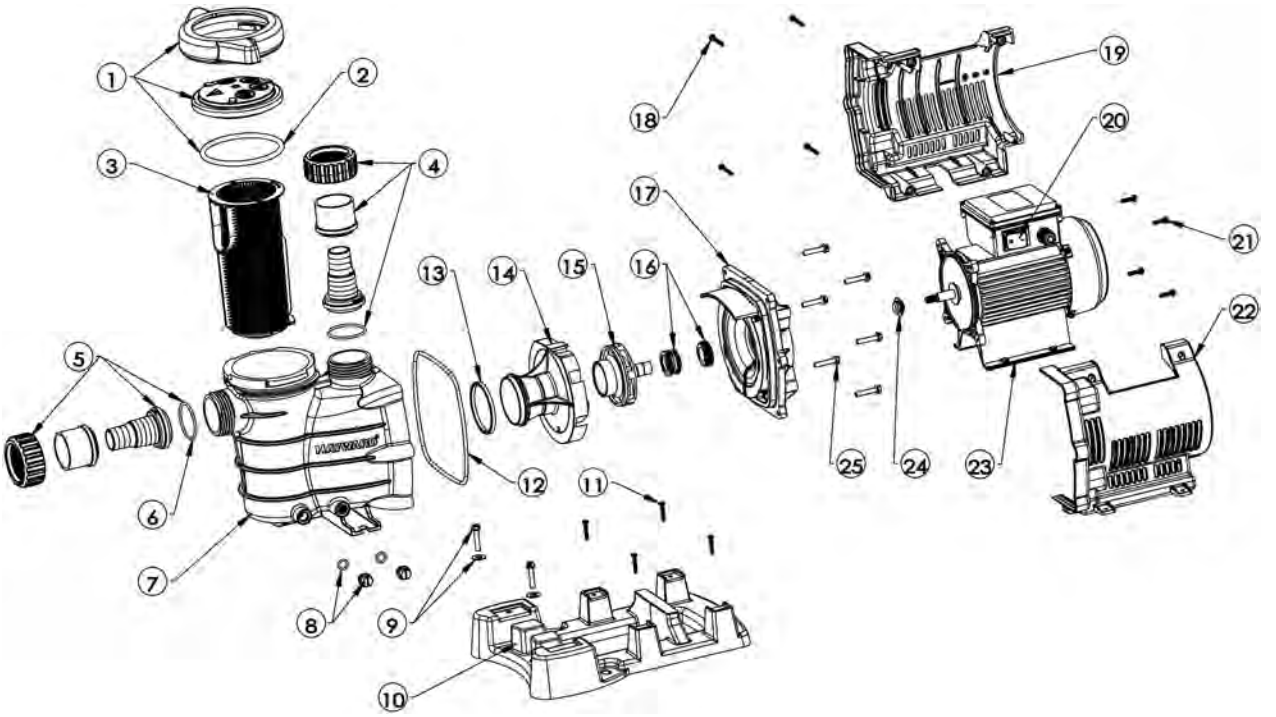



| Ref. No. | Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | SPX5500D | Strainer Cover w/Lock Ring & 'O' Ring | 10 | 1 |
| 2 | SPX5500H | Strainer Cover 'O' Ring | 10 | 1 |
| 3 | SPX5500F | Strainer Basket | 10 | 1 |
| 4 | SPX5500G | Strainer Retainer/'C' Clip | 10 | 1 |
| 5 | SPX5500C | Strainer Housing with drain plug | 1 | 1 |
| 6 | SPX1700FG | Drain Plug w/Gasket | 10 | 1 |
| 7 | SPX5500K | Strainer 'O' Ring | 10 | 1 |
| 8 | SPX0714Z48 | Screw, #14 x ¼" Type B Pan Head (8 pack) | 80 | 1 |
| 9 | SPX5500B | Pump Cover | 4 | 1 |
| 10 | SPX0710XZ5 | Housing 'O' Ring | 10 | 1 |
| 11 | SPX1591F | 1 HP Impeller Assembly + 1 1/2 HP | 10 | 1 |
| 12 | SPX1500KA | Shaft Seal Assembly | 10 | 1 |
| 13 | SPX5500A | Pump Housing (includes pump cover) | 4 | 1 |
| 14 | SPX5500E1 | Shroud Assembly | 4 | 1 |
| 15a | SPX1509Z1UF | 1 HP Motor, single speed | 1 | 1 |
| 15b | SPX1514Z1UF | 1 1/2 HP Motor, single speed | 1 | 1 |
| 15c | SPX1514Z26F | 1 1/2 HP motor, 2-speed | 1 | 1 |
| 16 | SPX2090A | Motor Housing | 1 | 1 |
| 17a | SPX2090CAM | End Cover for Single Speed Pump | 1 | 1 |
| 17b | SPX2090CETM | End Cover with Timer, Single Speed Pump | 1 | 1 |
| 17c | SPX2090C2ET | End Cover for 2-speed pump with timer | 1 | 1 |
| 17d | SPX2090C2 | End Cover for Two Speed Pump | 1 | 1 |
| 18 | SP1500UNPAK2 | Union Connector Assembly (set of 2 unions) | 50 | 1 |
| 19 | SPX5500M | Base (includes foam insert) | 1 | 1 |
| | ECX1325R | Switch Assembly - Single Speed | | 1 |
| | ECX13252R | Switch Assembly - 2 speed or timer | | 1 |
| | ECX1108A | Mounting Screw for Base | | 1 |
| | SPX1550WA5 | Power Cord | | 1 |
| | SPX5500MFB | Foam insert for base | 1 | 1 |
| | SPX1500Q5 | Shaft Sleeve for Motor | 1 | 1 |
| | SPX2000E | Heat Baffle for Motor | 1 | 1 |

# PowerFlo II

VL2280 & VL2285 SERIES REPLACEMENT PARTS

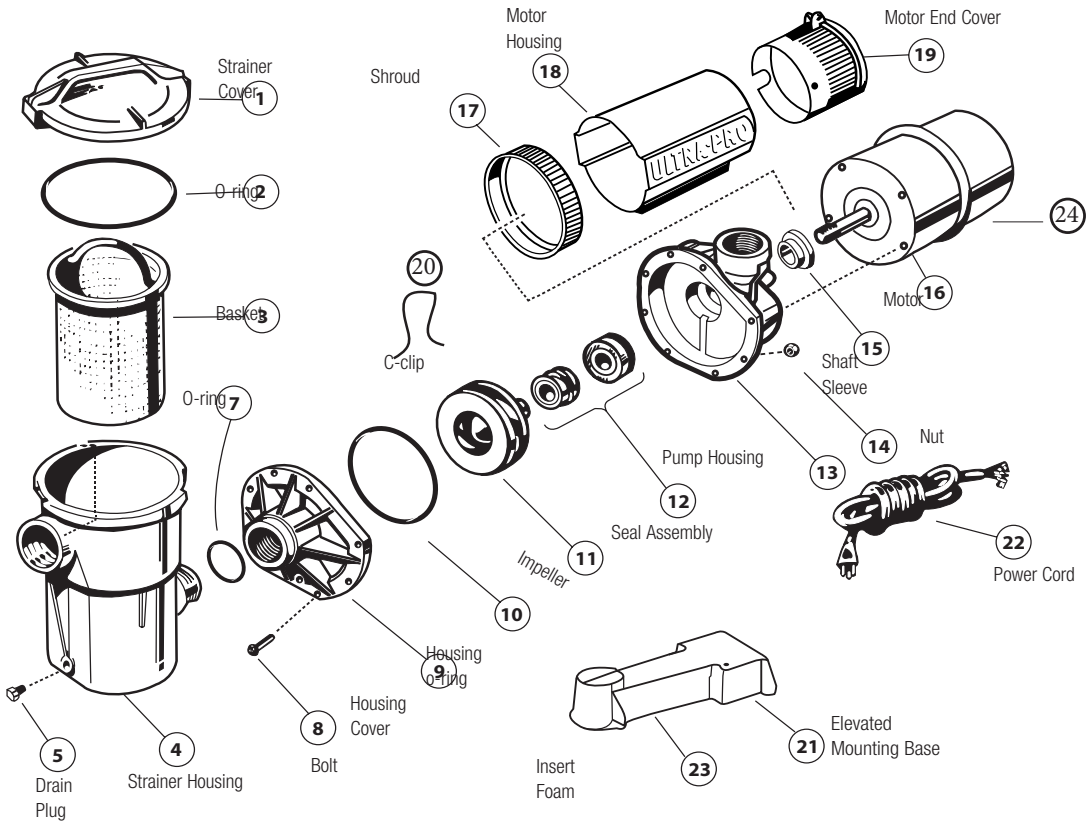
## Parts for Pump Models: VL2280 & VL2285




| Ref. No. | Part No. | Description | No. Req'd |
|---|---|---|---|
| 1 | SPX8100LDS | Strainer Cover Assembly | 1 |
| 2 | SPX8100S | Strainer Cover O-Ring | 1 |
| 3 | SPX8100M | Strainer Basket | 1 |
| 4 | SPX8100UNSAUPAK | Female Adapter Kit | 1 |
| 5 | SPX8100UNBPAK | Male Adapter Kit | 1 |
| 6 | SPX8100UNO | Mal Adapter O-Ring | 1 |
| 7 | SPX8100AA | Pump Housing | 1 |
| 8 | SPX1700FG | Drain Plug Assembly | 1 |
| 9 | SX180KKIT | Housing Fix Screw Kit | 1 |
| 10 | VLX2280G | Base | 1 |
| 11 | SPX0714Z2 | Shroud Fix Screw Kit | 1 |
| 12 | GMX600F | Seal Plate O-Ring | 1 |
| 13 | SPX8100R | Diffuser Gasket | 1 |
| 14 | SPX8100B | Diffuser | 1 |
| 15 | VLX1280TC | Impeller | 1 |
| 16 | SPX1600Z2 | Shaft Seal Assembly | 1 |
| 17 | SPX8100E | Seal Plate | 1 |
| 18 | SPX2700Z3PAK4 | Shroud Screw Kit | 1 |
| 19 | VLX2280AM2 | Rear Shroud | 1 |
| 20 | LTBCYXSW | Switch | 1 |
| 21 | SPX8100Z1 | Motor Mounting Screw | 1 |
| 22 | VLX2280AM1 | Front Shroud | 1 |
| 23 | VLX2280Z1C | Motor | 1 |
| 24 | SPX1500Q6 | Slinger | 1 |
| 25 | 6060XZ1 | Housing Screw Kit | 1 |
| 26* | SPX1550WA5CH | 25' Cord Set | 1 |

*Not shown in exploded view

## Parts for Pump Models: SP2290, SP2295, SP2290ET, SP2295ET

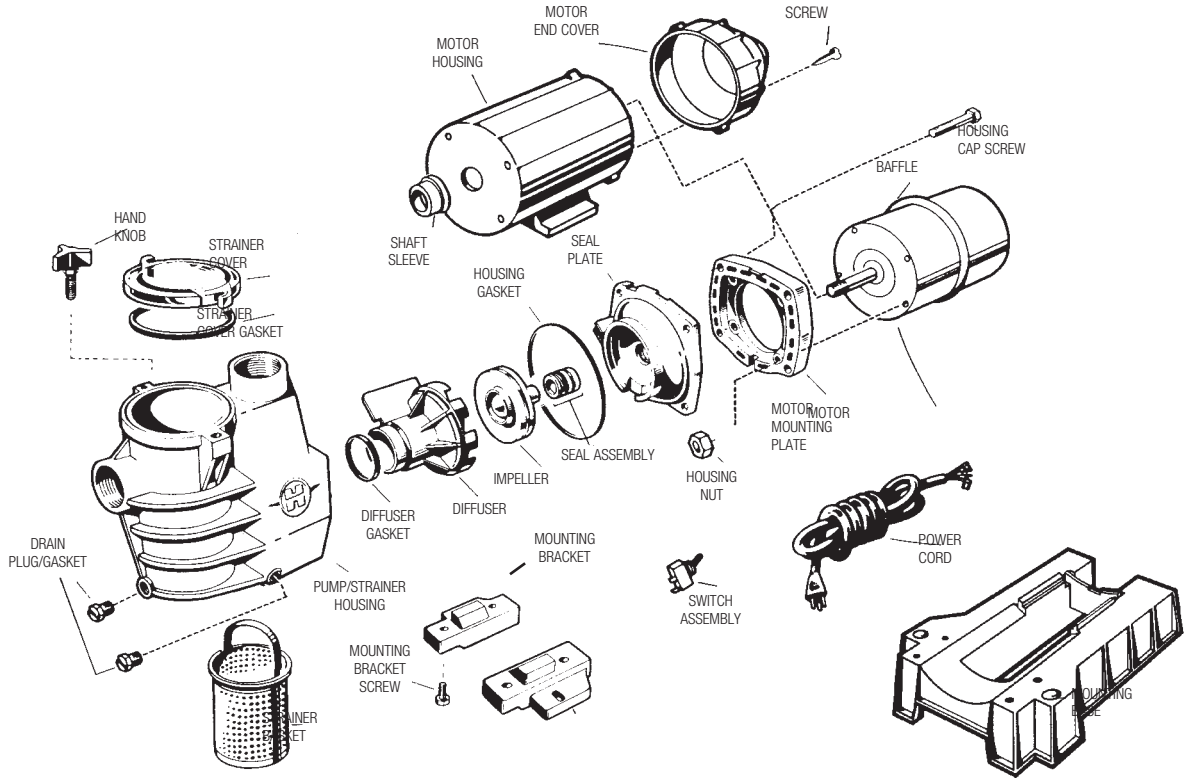



| Ref # | Part No. | Description | Qty. Req'd |
|---|---|---|---|
| 1 | SPX1500D2A | Strainer Cover with O-Ring | 1 |
| 2 | SPX1500P | Strainer O-Ring | 1 |
| 3 | SPX1500LX | Basket | 1 |
| 4 | SPX1500CAP | Strainer Housing with Basket and Drain Plug | 1 |
| 5 | SPX1700FG | Drain Plug w/Gasket | 1 |
| 7 | SPX1500W | O-Ring | 1 |
| 8 | SPX1500N2 | Bolt | 8 |
| 9 | SPX1580BP | Housing Cover | 1 |
| 10 | SPX1580Z1 | Housing O-Ring | 1 |
| 11 | SPX1500E | Impeller for all models | 1 |
| 12 | SPX1500KA | Seal Assembly | 1 |
| 13 | SPX1580AAP | Pump Housing | 1 |
| 14 | SPX1500Y2 | Nut | 8 |
| 15 | SPX1500Q5 | Shaft Sleeve | 1 |
| 16a | SPX1509Z1UF | 1 H.P motor, single speed | 1 |
| 16b | SPX1514Z2UF | 1.5 H.P motor, 2 speed | 1 |
| 16c | SPX1514Z1UF | 1.5 HP Motor, single speed | 1 |
| 17 | SPX2090B | Shroud | 1 |
| 18 | SPX2090A | Motor Housing | 1 |
| 19a | SPX2090C | Motor End Cover Assembly for single speed motor | 1 |
| 19b | SPX2090CET | Motor End Cover (electronic timer, single speed) | 1 |
| 19c | SPX2090C2ET | Motor End Cover, 2 Speed with Timer | 1 |
| - | ECX1325R | Switch Assembly (Single Speed) (not shown) | 1 |
| - | ECX13252R | Switch Assembly - timer or 2 speed (not shown) | 1 |
| 20 | SPX1515C | C-Clip | 1 |
| 21 | SPX5500M | Elevated Mounting Base | 1 |
| 22 | SPX1550WA5 | Power Cord | 1 |
| 23 | SPX5500MFB | Foam Insert for Base | 1 |
| - | ECX1108A | Mounting Screw/Washer for base (not shown) | 1 |
| 24 | SPX2000E | Heat Baffle for motor | 1 |

# UltraMax

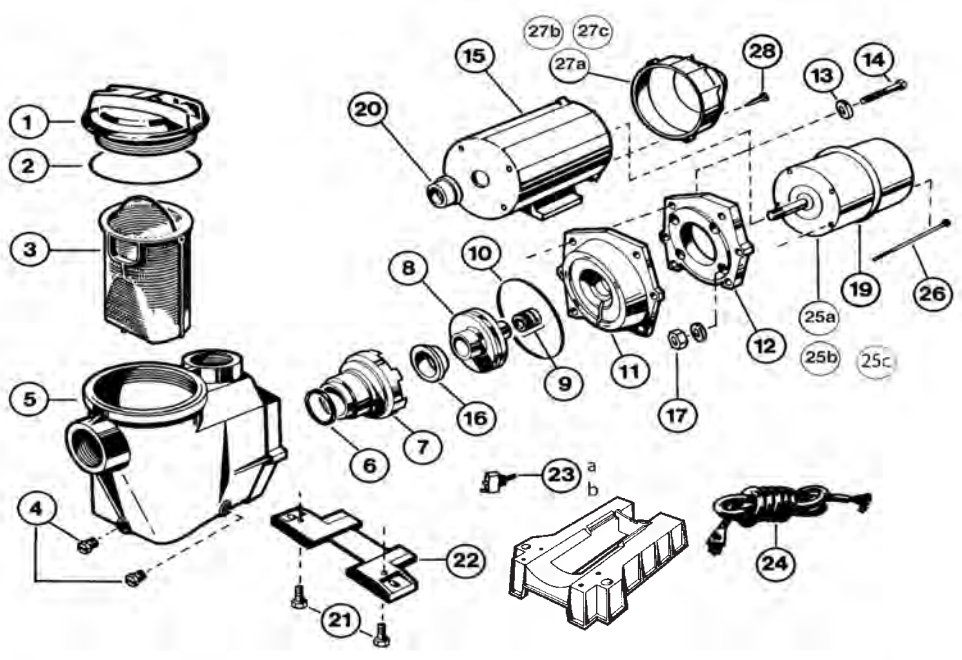
SP2910 & SP2915 PUMP SERIES REPLACEMENT PARTS

## Parts for Pump Models: SP2910, SP2915, SP2910ET, SP2915ET




| Part No. | Description | Ctn. Qty. | Qty. Req'd |
|---|---|---|---|
| SPX1250LA | Strainer Cover + Gasket | 25 | 1 |
| SPX0125T | Strainer Cover Gasket | 100 | 1 |
| SPX1600PN | Hand Knob + Swivel Nut | 50 | 2 |
| SPX1700FG | Drain Plug + Gasket | 50 | 2 |
| SPX2800AA | Pump/Strainer Housing - includes drain plugs + housing gasket | 1 | 1 |
| SPX1600R | Diffuser Gasket | 500 | 1 |
| SPX2800B | Diffuser | 10 | 1 |
| SPX2915CT | Impeller for all models | 20 | 1 |
| SPX1600Z2 | Seal Assembly | 50 | 1 |
| SPX1600T | Housing Gasket | 50 | 1 |
| SPX2600E5 | Seal Plate | 10 | 1 |
| SPX1600F3M | Motor Mounting Plate | 25 | 1 |
| SPX2800M | Strainer Basket | 10 | 1 |
| SPX1600Z4 | Housing Cap Screw | 500 | 4 |
| SPX2000A3 | Motor Housing | 2 | 1 |
| SPX1500Q4 | Shaft Sleeve | 200 | 1 |
| SPX3300Z3 | Housing Nut | 10 | 4 |
| SPX2000E | Heat Baffle | 50 | 1 |
| SPX1600Z52 | Mounting Bracket Screw (Set of 2) | 100 | 1 |
| SPX2600G1 | Mounting Bracket (Set of 2) and mounting screws | 1 | 1 |
| ECX1325R | Switch Assembly - Single Speed | 200 | 1 |
| ECX13252R | Switch Assembly - 2 Speed or Timer | 200 | 1 |
| SPX1550WA5 | Power Cord | 10 | 1 |
| SPX2000C2 | Motor End Cover only | 5 | 1 |
| SPX1411Z3 | Screw for motor end cover | 1000 | 3 |
| SPX2601B | Base Pins (Pack of 2) | 100 | 1 |
| SPX2601AB | Mounting Base | 1 | 1 |
| SPX1509Z1TFS | 1 HP Motor, single speed | 1 | 1 |
| SPX1514Z1TFS | 1.5 HP Motor, single speed | 1 | 1 |
| SPX1514Z2TFS | 1.5 HP Motor, 2 Speed | 1 | 1 |
| SPX2000CET | Motor End Cover Assy, single speed with timer | 10 | 1 |
| SPX2000C2ET | Motor End Cover Assy, 2 Speed with timer | 10 | 1 |

## Parts for Pump Models: SP-3310, SP-3315 (2) (ET)

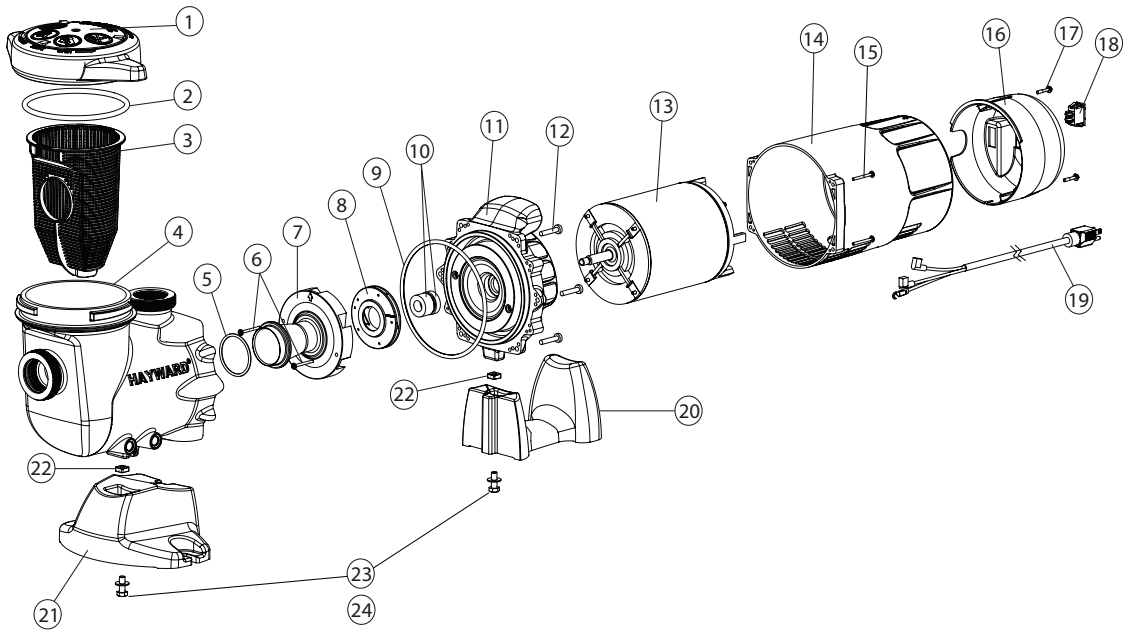



| Ref. No. | Part No. | Description | Qty. Per |
|---|---|---|---|
| 1 | SPX3100D | Strainer Cover | 1 |
| 2 | SPX3000S | Strainer Cover O-Ring | 1 |
| 3 | SPX3000M | Strainer Basket | 1 |
| 4 | SPX1700FG | Drain Plug w/Gasket | 2 |
| 5 | SPX3100AAT | Pump/Strainer Housing with Basket | 1 |
| 6 | SPX1600R | Diffuser Gasket | 1 |
| 7 | SPX3000BN | Diffuser | 1 |
| 8 | SPX3015CT | Impeller | 1 |
| 9 | SPX1600Z2 | Seal Assembly | 1 |
| 10 | SPX3000T | Housing Gasket | 1 |
| 11 | SPX3020E | Seal Plate | 1 |
| 12 | SPX3000F3M | Motor Mounting Plate | 1 |
| 13 | SPX3000Z26 | Flat Washer (Pack of 6) | 6 |
| 14 | SPX1600Z4 | Housing Cap Screw | 6 |
| 15 | SPX2000A3 | Motor Housing | 1 |
| 16 | SPX3005R | Impeller Ring | 1 |
| 17 | SPX3300Z3 | Housing Nut | 4 |
| 19 | SPX2000E | Baffle | 1 |
| 20 | SPX1500Q4 | Shaft Sleeve | 1 |
| 21 | SPX1600Z52 | Mounting Bracket Screw (Pack of 2) | 2 |
| 22 | SPX3000GA | Mounting Bracket with Hardware | 1 |
| 23a | ECX1325R | Switch Assembly Single Speed | 1 |
| 23b | ECX13252R | Switch Assembly for 2 Speed or Timer | 1 |
| 24 | SPX1550WA5 | Power Cord | 1 |
| 25a | SPX1509Z1TFS | Motor, Single Speed, 1 HP | 1 |
| 25b | SPX1514Z2TFS | Motor-60 Cycle Single Phase 2 Speed (For SP-3315 (2) (ET)), 1.5 H.P | 1 |
| 25c | SPX151421TFS | Motor Securing Bolt, Single-Spee, 1.5 HP | 1 |
| 27a | SPX2000C2 | Motor End Cover | 1 |
| 27b,c | SPX2000C2ET | Motor End Cover c/w 2 Speed Switch and Cord, for Timer | 1 |
| 28 | SPX-1411Z3 | Screw | 3 |
|  | SPX2601AB | Mounting Base | 1 |
|  | SP3100T | Strainer Cover Removal Tool | 1 |

# TurboFlo II

PUMP SERIES REPLACEMENT PARTS

## Parts Diagram




| Ref. No. | Part No. | Description | Qty. Per |
|---|---|---|---|
| 1& 2 | SPX2700DLS | Strainer Cover/O-Ring | 1 |
| 2 | SPX2700Z4 | O-Ring for Strainer Cover | 1 |
| 3 | SPX2700M | Strainer Basket | 1 |
| 4 | SPX5700AALL | Pump Housing Assembly, Less Label | 1 |
| 5 | SPX1495Z1 | O-Rlng | 1 |
| 6 | SPX2700Z3 | Screw | 2 |
| 7 | SPX5700B | Diffuser | 1 |
| 8 | SPX1591FM | Impeller | 1 |
| 9 | SPX5500H | Strainer Housing O-Ring | 1 |
| 10 | SPX1500KA | Seal Assembly | 1 |
| 11 | SPX5700E | Seal Plate | 1 |
| 12 | 6060Z1 | Screw | 6 |
| 13a | SPX1509Z1UF | 1 HP Motor | 1 |
| 13b | SPX1514Z1UF | 1.5 HP Motor | 1 |
| 13c | SPX1514Z2UF | 1.5 HP 2SP Motor | 1 |
| 14 | SPX5700AM | Motor Housing | 1 |
| 15 | SPX2700Z3 | Screw | 4 |
| 16a | SPX5700CA | End Bell Assembly Single Speed | 1 |
| 16b | SPX5700CA2 | End Bell Assembly 2 Speed | 1 |
| 17 | SPX1500T2 | Screw | 2 |
| 18a | ECX1325R | Switch for Single Speed | 1 |
| 18b | ECX13252R | Switch for 2 Speed | 1 |
| 19 | SPX1550WA5C | Cord Set | 1 |
| 20 | SPX5700G | Motor Support | 1 |
| 21 | SPX5700H | Main Base | 1 |
| 22 | SPX2700Z2 | Housing Square Nut | 2 |
| 23 | SPX5700Z4 | Bolt | 2 |
| 24 | ECX1109 | Washer | 2 |

# 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.

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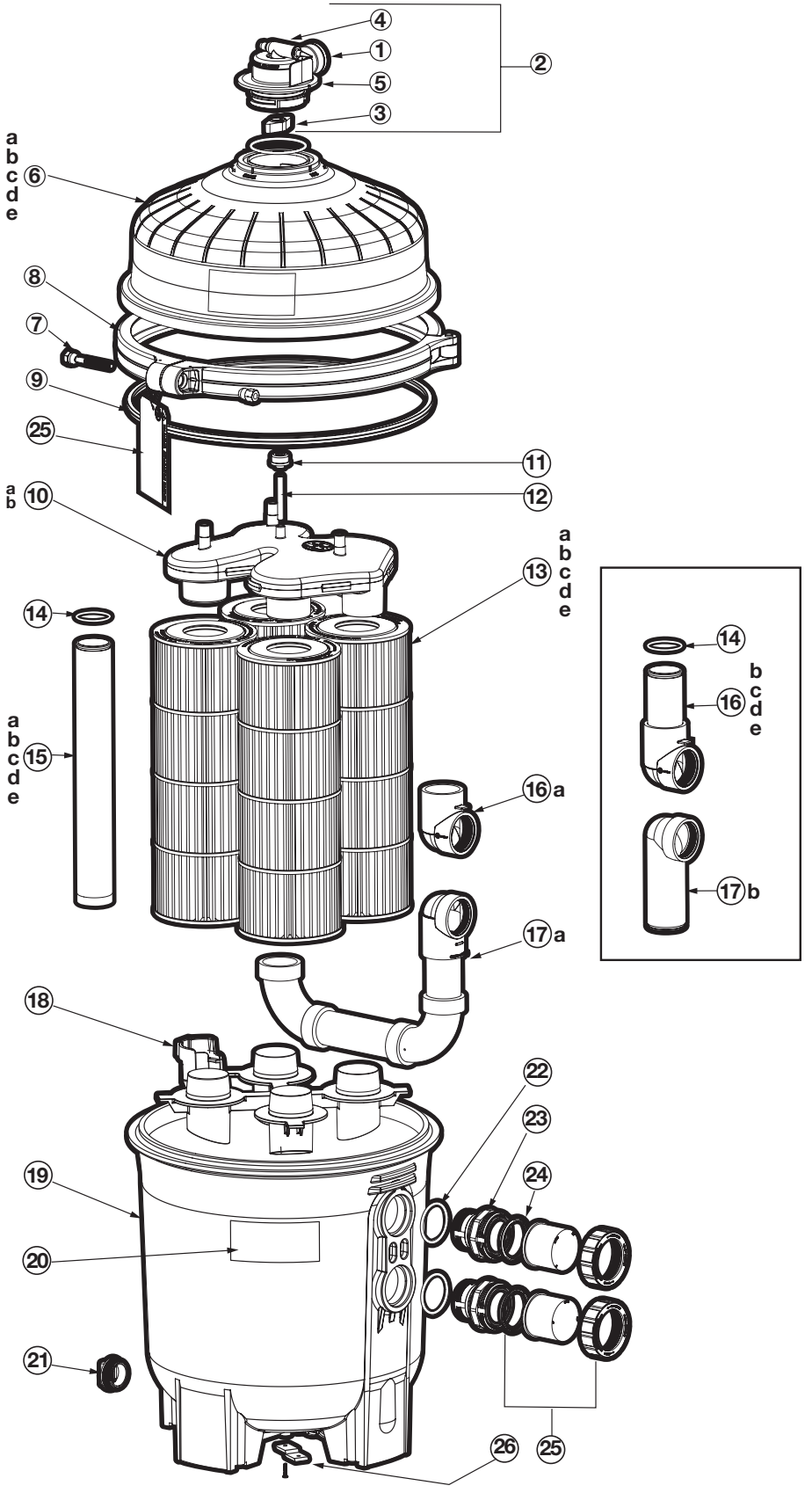
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# SwimClear™

CARTRIDGE FILTER SERIES REPLACEMENT PARTS

## Parts Diagram



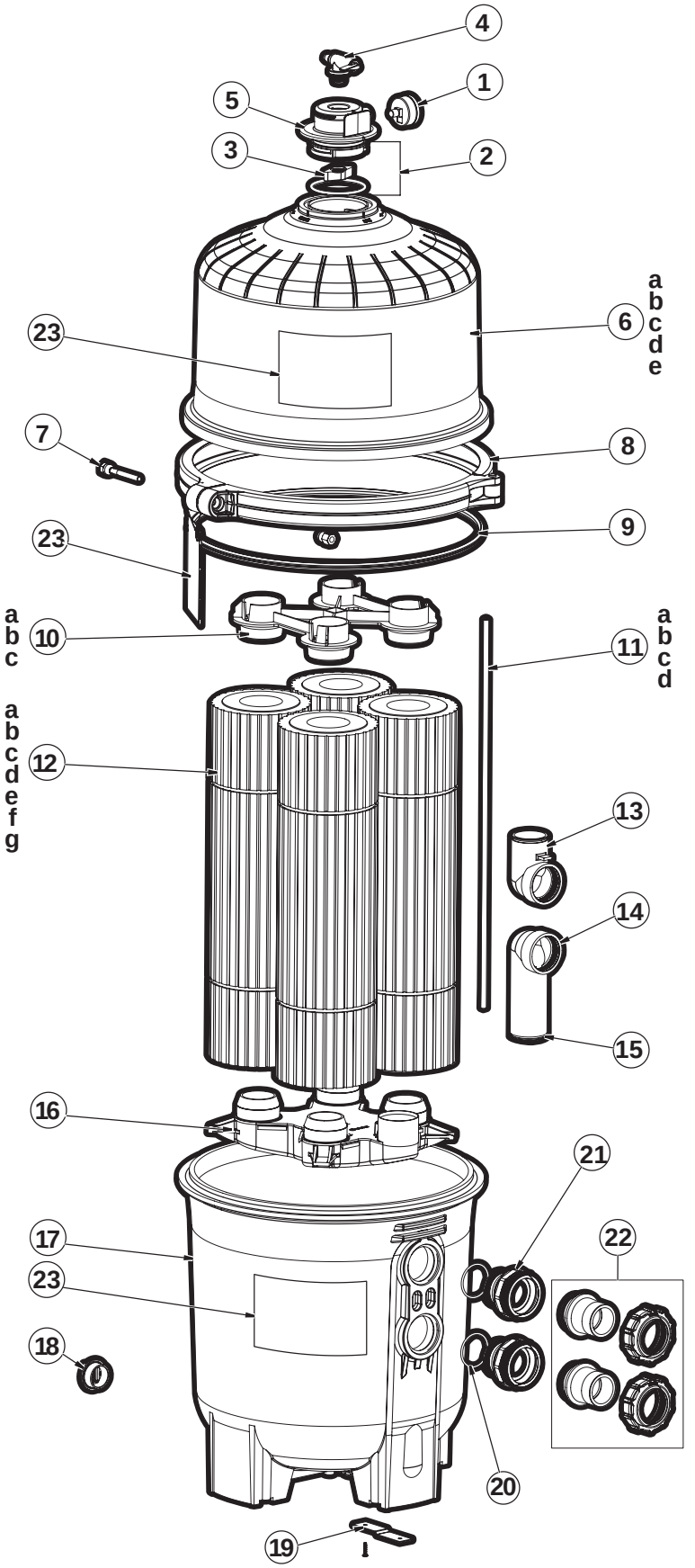
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | ECX2712B1 | Pressure Gauge | 20 |
| 2 | DEX2420Z8A | O-Ring Kit (set of 2) | 10 |
| 3 | CCX1000N | Air Relief Valve Nut | 50 |
| 4 | CCX1000V | Manual Air Relief with O-Ring | 50 |
| 5 | DEX2420MAR2 | Manual Air Relief Assembly | 1 |
| 6a | DEX2420BTC | Upper Filter Body with Clamp C2030 | 1 |
| 6b | DEX3620BTC | Upper Filter Body with Clamp C3030 | 1 |
| 6c | DEX4820BTC | Upper Filter Body with Clamp C4030 | 1 |
| 6d | DEX6020BTC | Upper Filter Body with Clamp C5030 | 1 |
| 6e | DEX7220BTC | Upper Filter Body with Clamp C7030 | 1 |
| 7 | DEX2421J2 | Clamp Bolt and Nut | 10 |
| 8 | DEX2421JKIT | Clamp System (Includes Clamp, Clamp Nut and Bolt, Hang Tag, Metal Reinforced Seal, and Labels) | 1 |
| 9 | DEX2422Z2 | Metal Reinforced Seal | 1 |
| 10a | CX3030C | Top Manifold C2030, C3030, C4030 | 1 |
| 10b | CX5030C | Top Manifold C5030, C7030 | 1 |
| 11 | CX3000J1 | Air Relief Filter | 250 |
| 12 | CX2030Z3 | Air Relief Tube | 10 |
| 13a | CX481XRE | Cartridge Element C2030 | 1 |
| | CX481XREPAK4 | Cartridge Elements (4 Pack) C2030 | 1 |
| 13b | CX580XRE | Cartridge Element C3030 | 1 |
| | CX580XREPAK4 | Cartridge Elements (4 Pack) C3030 | 1 |
| 13c | CX880XRE | Cartridge Element C4030 | 1 |
| | CX880XREPAK4 | Cartridge Elements (4 Pack) C4030 | 1 |
| 13d | CX1280XRE | Cartridge Element C5030 | 1 |
| | CX1280XREPAK4 | Cartridge Elements (4 Pack) C5030 | 1 |
| 13e | CX591XRE | Cartridge Element C7030 | 1 |
| | CX591XREPAK4 | Cartridge Elements (4 Pack) C7030 | 1 |
| | CX7020M | Mid Plate Connector C7030 | 1 |
| 14 | DEX2400Z5 | Outlet Pipe O-Ring | 10 |
| 15a | CX3031F6 | Outlet Pipe C2030 | 1 |
| 15b | CX3031F7 | Outlet Pipe C3030 | 1 |
| 15c | CX3031F8 | Outlet Pipe C4030 | 1 |
| 15d | CX3031F9 | Outlet Pipe C5030 | 1 |
| 15e | CX3031F10 | Outlet Pipe C7030 | 1 |
| 16a | CX3030F | Inlet Elbow (after Sept. 2012) | 5 |
| 16b | CX3030F1 | Outlet Elbow with Pipe C2030 (prior to Sept. 2012) | 5 |
| 16c | CX3030F2 | Outlet Elbow with Pipe C3030 (prior to Sept. 2012) | 5 |
| 16d | CX3030F3 | Outlet Elbow with Pipe C4030 (prior to Sept. 2012) | 5 |
| 16e | CX3030F4 | Outlet Elbow with Pipe C5030 (prior to Sept. 2012) | 5 |
| 17a | CX3030H | SwimClear Lower Piping Assembly (after Sept. 2012) | 1 |
| 17b | CX3020FB | Outlet Elbow (prior to Sept. 2012) | 5 |
| 18 | CX3030D | Bottom Cartridge Mounting Plate | 1 |
| 19 | DEX2420ATC | Lower Filter Body with Clamp | 1 |
| 20 | DEX2420LA6PAK | Label Pack (Includes all Warning and Operation Labels, Hang Tag, Wire Tie, Owner's Manual) | 10 |
| 21 | SP1022CBLK | 1 ½" Drain Plug with O-Ring (Black) | 100 |
| 22 | SX220Z2 | Bulkhead O-Ring | 10 |
| 23 | CX3035F | Bulkhead Fitting | 25 |
| 24 | SPX3200UG | Union Gasket (set of 2) | 100 |
| 25 | SPX3200UNKIT | Union Connection Kit (2 each of nuts, connectors, gaskets) | 10 |
| 26 | DEX2420DCKIT | (Optional) Tie Down – Strap Kit (2 each of straps, screws) | 25 |

# SwimClear™

CARTRIDGE FILTER SERIES REPLACEMENT PARTS

## Parts Diagram



## Parts Listing

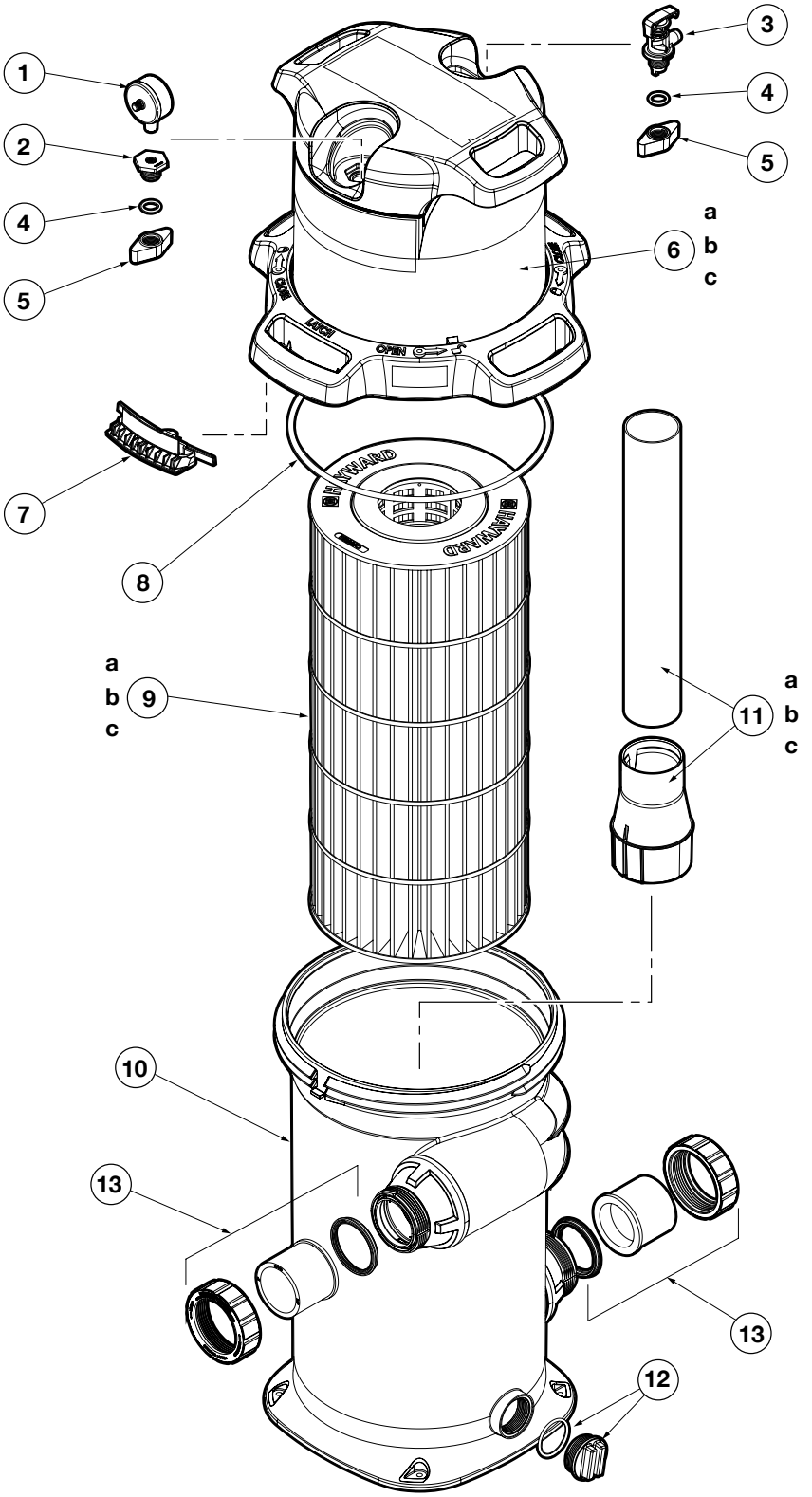
| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | ECX2712B1 | Pressure Gauge | 20 |
| 2 | DEX2420Z8A | O-Ring Kit (Set of 2) | 10 |
| 3 | CCX1000N | Manual Air Relief Valve Nut | 50 |
| 4 | CCX1000V | Manual Air Relief Valve with O-Ring | 50 |
| 5 | DEX2420MAR2 | Manual Air Relief Assembly | 1 |
| 6a | DEX2420BTC | Filter Head (C2020/C2025) | 1 |
| 6b | DEX3620BTC | Filter Head (C3020/C3025) | 1 |
| 6c | DEX4820BTC | Filter Head (C4020/C4025) | 1 |
| 6d | DEX6020BTC | Filter Head (C5020/C5025) | 1 |
| 6e | DEX7220BTC | Filter Head (C7000/C7020) | 1 |
| 7 | DEX2421J2* | Clamp Bolt and Nut | 10 |
| 8 | DEX2421JKIT | Clamp Assembly (Including Clamp, Clamp Nut and Bolt, Warning Hang Tag, Metal Reinforced Seal and Labels) | 1 |
| 9 | DEX2422Z2* | Metal Reinforced Seal | 1 |
| 10a | CX2020DA | Top Closure Plate (C2020/C2025) | 1 |
| 10b | CX3020DA | Top Closure Plate (C3020/C3025, C4020/C4025) | 1 |
| 10c | CX5020DA | Top Closure Plate (C5020/C5025) | 1 |
| 11a | CX800Z4 | Air Relief Tube Assembly (C2020/C2025) | 20 |
| 11b | CX3000Z3 | Air Relief Tube Assembly (C3020/C3025) | 50 |
| 11c | CX4000Z3 | Air Relief Tube Assembly (C4020/C4025) | 50 |
| 11d | CX5000Z3 | Air Relief Tube Assembly (C5020/C5025) | 50 |
| 12a | CX480XRE | Replacement Element (C2020/C2025) | 1 |
| | CX480XREPAK4 | Cartridge Elements (C2020, C2025) – 4 Pack | 1 |
| 12b | CX580XRE | Replacement Element (C3020/C3025) | 1 |
| | CX580XREPAK4 | Cartridge Elements (C3020, C3025) – 4 Pack | 1 |
| 12c | CX880XRE | Replacement Element (C4020/C4025) | 1 |
| | CX880XREPAK4 | Cartridge Elements (C4020, C4025) – 4 Pack | 1 |
| 12d | CX875XRE | Replacement Element (C4520) | 1 |
| | CX875XREPAK4 | Cartridge Elements (C4520) – 4 Pack | 1 |
| 12e | CX1280XRE | Replacement Element (C5020/C5025) | 1 |
| | CX1280XREPAK4 | Cartridge Elements (C5020, C5025) – 4 Pack | 1 |
| 12f | CX1380XRE | Replacement Element (C5520 Series) | 1 |
| | CX1380XREPAK4 | Cartridge Elements (C5520) – 4 Pack | 1 |
| 12g | CX590XRE | Replacement Element (C7000/C7020) | 1 |
| | CX590XREPAK4 | Cartridge Elements (C7000, C7020) – 4 Pack | 1 |
| — | CX7020M | Mid Plate Connector (C7000/C7020 Models Only) | 1 |
| 13 | CX3000F1B | Inlet Elbow | 25 |
| 14 | CX3020FB | Outlet Elbow | 5 |
| 15 | DEX360M | O-Ring | 100 |
| 16 | CX3000C | Bottom Collector Manifold | 1 |
| 17 | DEX2420ATC | Filter Body | 1 |
| 18 | SP1022CBLK | 1 ½" Drain Plug with O-Ring | 100 |
| 19 | DEX2420DCKIT | Strap Kit (Optional) | 25 |
| 20 | SX220Z2 | O-Ring | 10 |
| 21 | DEX2420F | Bulkhead Fitting | 25 |
| 22 | DE2400PAK2CS | Plumbing Kit (Includes 2 O-Rings, 2 Slip Connectors and 2 Locknuts) | 10 |
| 23 | DEX2420LA6PAK | Label Pack (Includes all Warning and Operation Labels, Hang Tag (#24), Wire Tie and Owner's Manual) | 10 |

**NOTE:** *Compatible only with DEX2421JKIT clamp system for Hayward Pro-Grid™ D.E. and SwimClear™ cartridge filters.

# SwimClear™

C100S, C150S, C200S(C) CARTRIDGE FILTER SERIES REPLACEMENT PARTS

## Parts Diagram



## Parts Listing

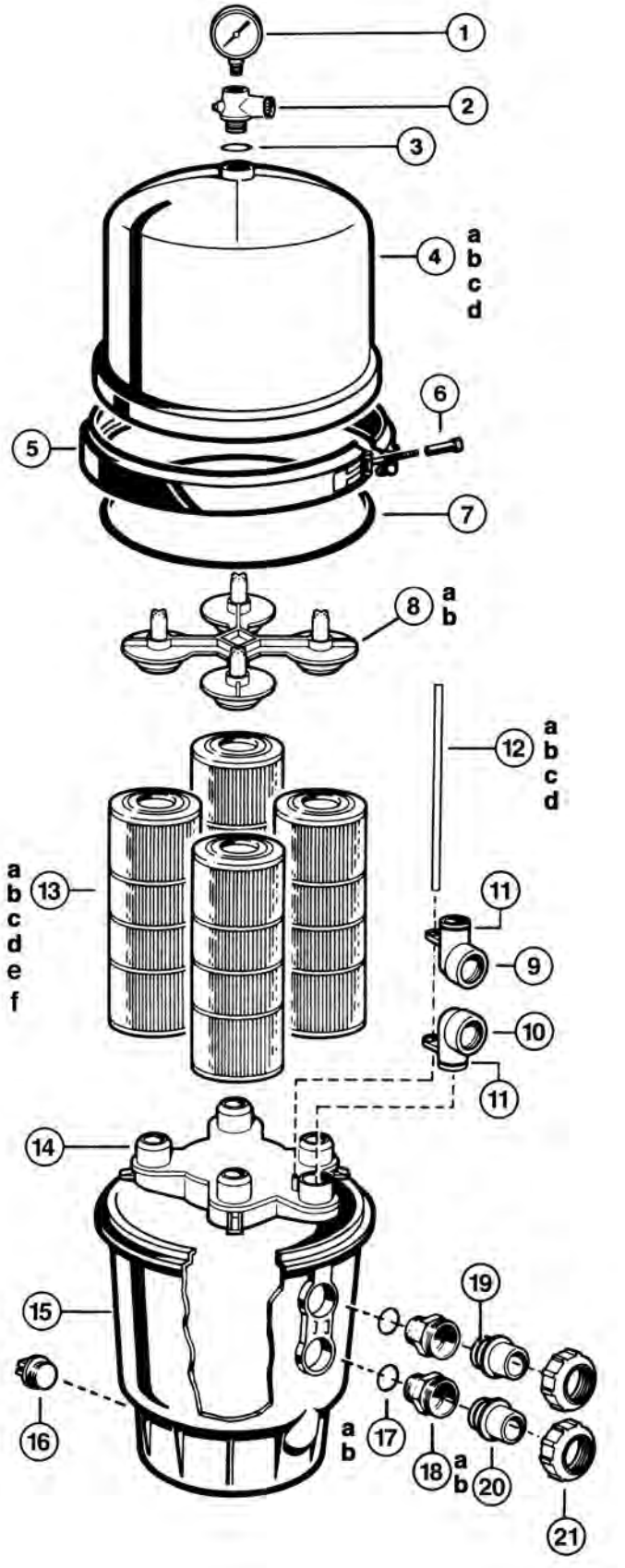
| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | ECX271261 | Pressure Gauge | 20 |
| 2 | CCX1000L | Threaded Adapter for Pressure Gauge | 50 |
| 3 | CXRLV1001 | Air Relief Assembly with O-Ring | 20 |
| 4 | CXGAR1001PAK2 | O-Ring Kit (Set of 2) | 20 |
| 5 | CCX1000N | Adapter Nut (Set of 2) | 50 |
| 6a | CX100B | Filter Head Assembly, C100S | 1 |
| 6b | CX150B | Filter Head Assembly, C150S | 1 |
| 6c | CX200B | Filter Head Assembly, C200S | 1 |
| 7 | CXLRL1001 | Latch for Lock Ring | 10 |
| 8 | CXFHR1001 | O-Ring for Filter Head | 10 |
| 9a | CX100XRE | Cartridge Element C100S | 1 |
| 9b | CX150XRE | Cartridge Element C150S | 1 |
| 9c | CX200XRE | Cartridge Element C200S | 1 |
| 10 | CXFBA1001 | Filter Body Assembly | 1 |
| 11a | CXFDA100 | Filter Diffuser Assembly C100S | 1 |
| 11b | CXFDA150 | Filter Diffuser Assembly C150S | 1 |
| 11c | CXFDA200 | Filter Diffuser Assembly C200S | 1 |
| 12 | SP1022CBLK | Drain Plug with O-Ring | 100 |
| 13 | SPX3200UNKIT | Union Connection Kit (2 each of Nuts, Connectors and Gaskets) | 10 |
| **OPTIONAL** | | | |
| — | SPX1500JS | Union Connector 1.5" Socket | 25 |
| — | SPX1500JT | Union Connector 1.5" FIP | - |

# Super StarClear™

C2000, C3000, C4000, C5000 CARTRIDGE FILTER SERIES REPLACEMENT PARTS (Duralon™ and PermaGlass XL™)



## Parts Diagram



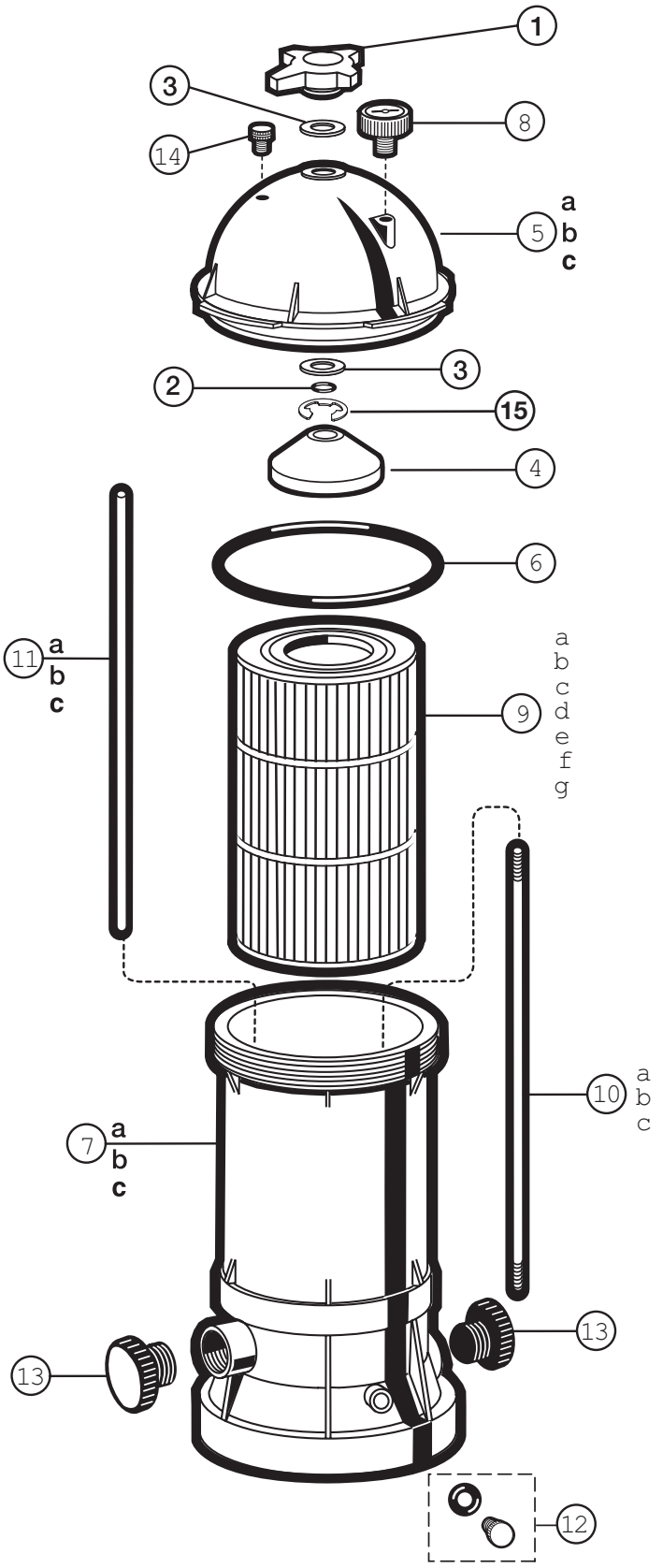
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | ECX270861 | Pressure Gauge | 50 |
| 2 | DEX2400S | Relief Valve/Gauge Adapter Assembly | 100 |
| — | DEX2400Z3A | O-Ring for Relief Valve Stem (Set of 3) | 100 |
| 3 | SX200Z5 | Relief Valve Assembly O-Ring | 50 |
| 4a | DEX2400BT | Filter Head (C2000) | — |
| 4b | DEX3600BT | Filter Head (C3000) | — |
| 4c | DEX4800BT | Filter Head (C4000) | — |
| 4d | DEX6000BT | Filter Head (C5000) | — |
| 5 | DEX2400J | Clamp Assembly | — |
| 6 | DEX2400JN | Brass Sleeve Nut | — |
| 7 | DEX2400K | Filter Tank O-Ring | — |
| 8a | CX3000DA | Top Closure Plate (C3000/4000) | — |
| 8b | CX5000DA | Top Closure Plate (C5000) | — |
| 9 | CX3000F1B | Inlet Elbow | 25 |
| 10 | CX3000FB | Buttress Thread Outlet Elbow Assembly | — |
| 11 | DEX360M | O-Ring | 100 |
| 12a | CX800Z4 | Air Relief Tube (C2000) | 20 |
| 12b | CX3000Z3 | Air Relief Tube (C3000) | 50 |
| 12c | CX4000Z3 | Air Relief Tube (C4000) | 50 |
| 12d | CX5000Z3 | Air Relief Tube (C5000) | 50 |
| 13a | CX480XRE | Replacement Element (C2000) | 1 |
| | CX480XREPAK4 | Cartridge Element (C2000) – 4 Pack | 1 |
| 13b | CX580XRE | Replacement Element (C3000) | 1 |
| | CX580XREPAK4 | Cartridge Element (C3000) – 4 Pack | 1 |
| 13c | CX880XRE | Replacement Element (C4000) | 1 |
| | CX880XREPAK4 | Cartridge Element (C4000) – 4 Pack | 1 |
| 13d | CX875XRE | Replacement Element (C4500) | 1 |
| | CX875XREPAK4 | Cartridge Element (C4500) – 4 Pack | 1 |
| 13e | CX1280XRE | Replacement Element (C5000) | 1 |
| | CX1280XREPAK4 | Cartridge Element (C5000) – 4 Pack | 1 |
| 13f | CX1380XRE | Replacement Element (C5500) | 1 |
| | CX1380XREPAK4 | Cartridge Element (C5500) – 4 Pack | 1 |
| 14 | CX3000C | Bottom Collector Manifold | 1 |
| 15 | DEX2400A1T | Filter Body | — |
| 16 | SP1022CBLK | 1 ½" Drain Plug with O-Ring | 100 |
| 17a | SX200Z3 | O-Ring (1995 and Prior) | 50 |
| 17b | SX360Z1 | O-Ring (after 1996) | 25 |
| 18a | DEX360F | Bulkhead Fitting | — |
| 18b | DEX360FB | Buttress Thread Bulkhead Fitting | — |
| 19 | SX200Z4PAK2 | Valve/Union O-Ring (Set of 2) | 25 |
| 20 | SX240F | 1 ½" SKT x 2" SLIP Connector | 5 |
| 21 | SX200R | Locknut | 25 |

# StarClear™ Plus

CARTRIDGE FILTER SERIES AND SEPARATION TANK REPLACEMENT PARTS

## Parts Diagram



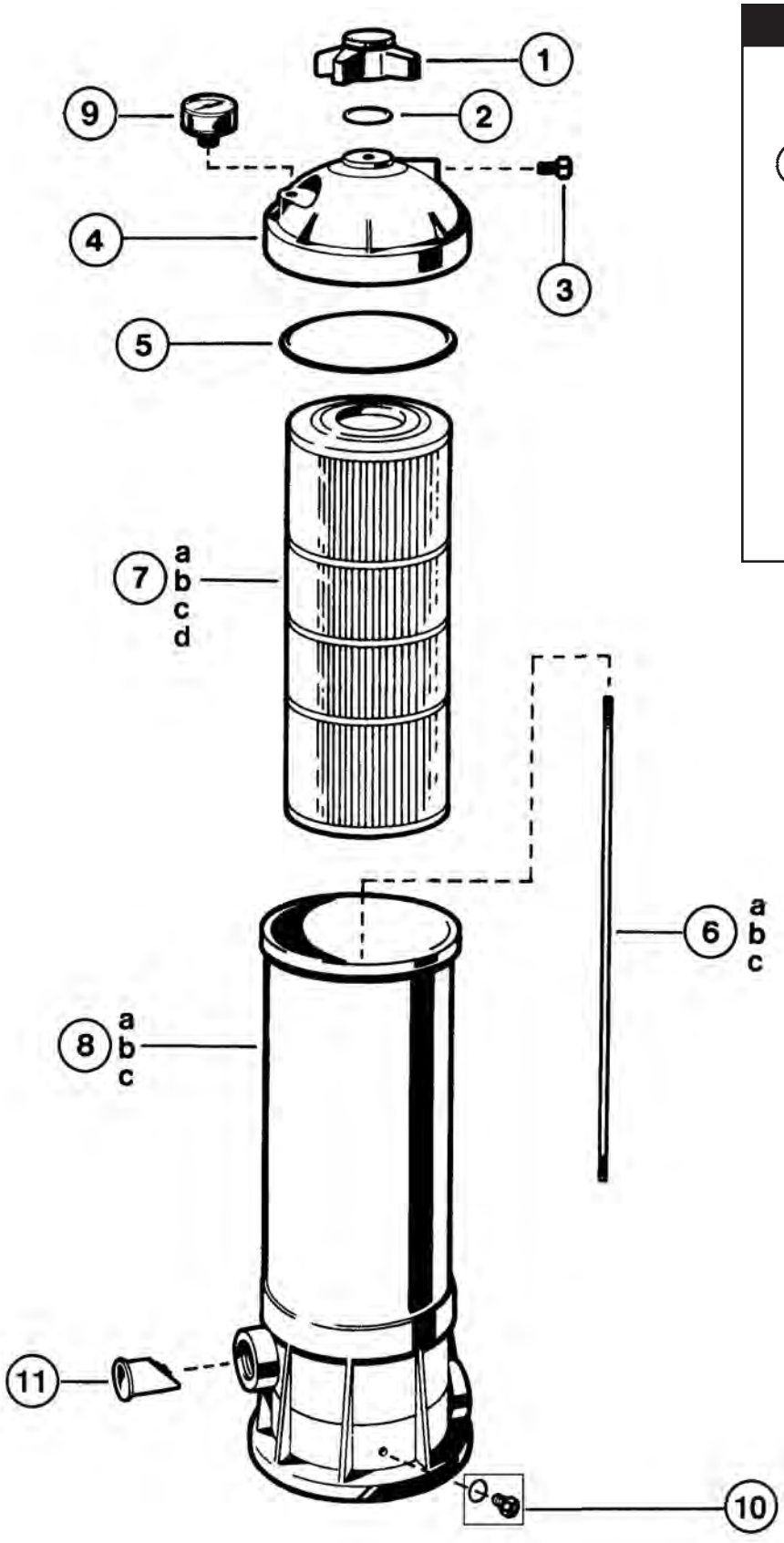
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | CX900G | Locking Knob (C751, C900, C1200, C1502 Series) | 5 |
| | CX900DA | Knob Accessory Kit<br>(Includes Plastic Washers, O-Ring, Guide Cone and E-Clip) | 20 |
| | CX1750G | Locking Knob (C1750, C2002 Series) | 5 |
| 2 | CX900H | Knob O-Ring | 50 |
| 3 | CX900WPAK2 | Knob Washer (Set of 2) | 25 |
| 4 | CX900D | Guide Cone | 10 |
| 5a | CX900B | Filter Head with Directional Vent Valve (C751, C900 Series) | 1 |
| 5b | CX1200B | Filter Head with Directional Vent Valve (C1200, C1502 Series) | 1 |
| 5c | CX1750B | Filter Head with Directional Vent Valve (C1750, C2002 Series) | 1 |
| 6 | CX900F | Filter Head O-Ring | 50 |
| 7a | CX900AA | Filter Body – 1 ½" FIP (C751, C900) | 1 |
| | CX900AA2 | Filter Body – 2" FIP (C7512, C9002, C9002S) | 1 |
| 7b | CX1200AA | Filter Body – 1 ½" FIP (C1200) | 1 |
| | CX1200AA2 | Filter Body – 2" FIP (C12002, C12002S, C1502) | 1 |
| 7c | CX1750AA2 | Filter Body – 2" FIP (C17502, C17502S, C2002) | 1 |
| 8 | ECX271261 | Pressure Gauge | 20 |
| 9a | CX760RE | Cartridge Element (C751 Series) | 1 |
| 9b | CX900RE | Cartridge Element (C900 Series) | 1 |
| 9c | CX1200RE | Cartridge Element (C1200 Series) | 1 |
| 9d | CX1520RE | Cartridge Element (C1502 Series) | 1 |
| 9e | CX2020RE | Cartridge Element (C2002 Series) | 1 |
| 9f | CX1750RE | Cartridge Element (C1750 Series) | 1 |
| 9g | CX1900RE | Cartridge Element (C1900 Series) | 1 |
| 10a | CX800Z2 | Tie Rod (C751, C900 Series) | 1 |
| 10b | CX1100Z2 | Tie Rod (C1200, C1502 Series) | 1 |
| 10c | CX1750Z2 | Tie Rod (C1750, C2002 Series) | 1 |
| 11a | CX800Z4 | Air Relief Tube (C751, C900 Series) | 20 |
| 11b | CX1100Z4 | Air Relief Tube (C1200, C1502 Series) | 10 |
| 11c | CX1750Z4 | Air Relief Tube (C1750, C2002 Series) | 1 |
| 12 | CX250Z14A | Drain Plug Kit (Includes Plug and O-Ring) | 50 |
| 13 | CX900K | 2" PVC Socket Connector | 20 |
| 14 | ECX1322A | Directional Vent Valve with O-Ring | 20 |
| 15 | CX900J | E-Ring | 20 |
| **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 |
| — | CX900DBA | D.E. Collector Bag Assembly (after May 2004) | 1 |

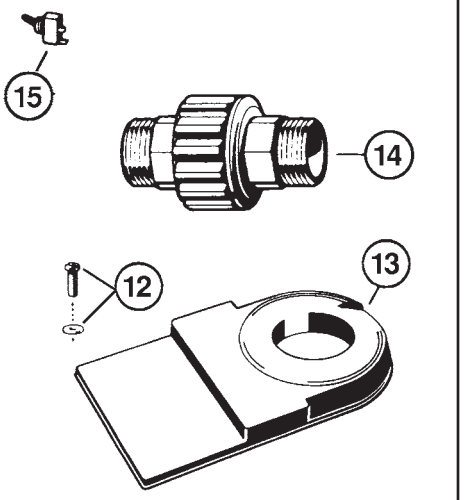
# StarClear™

CARTRIDGE FILTER SERIES REPLACEMENT PARTS

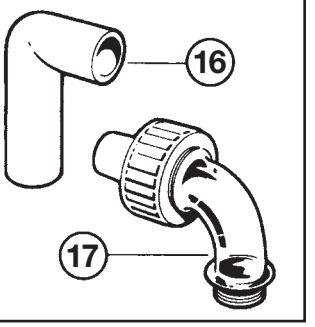
## Parts Diagram




C SERIES SYSTEMS




FLEX LOOP SYSTEM



## Parts Listing

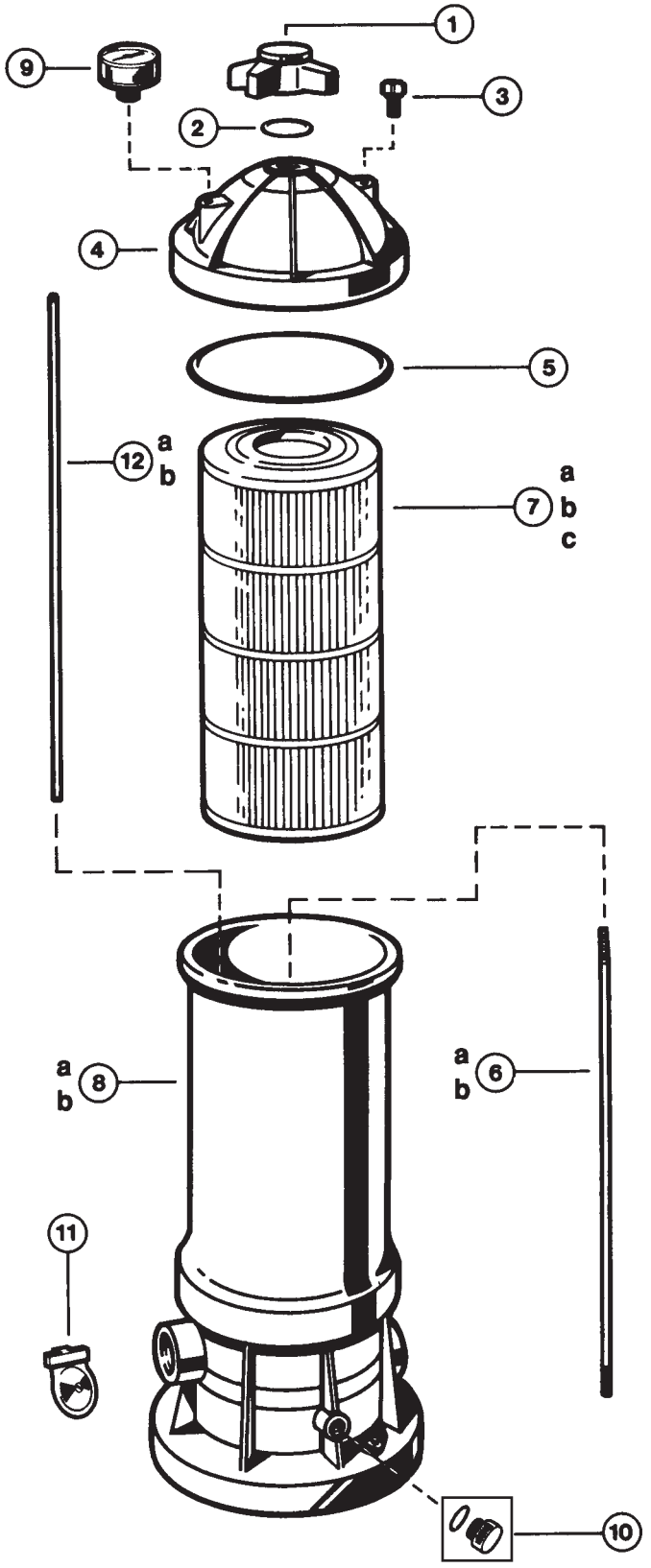
| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | CX250G | Locking Knob | 10 |
| 2 | CX250Z7 | O-Ring | 20 |
| 3 | ECX1322A | Directional Vent Valve with O-Ring | 20 |
| 4 | CX250C | Filter Head (Dome) with Air Relief Valve | 4 |
| 5 | CX250F | Filter Head Gasket | 50 |
| 6a | CX250Z2S | Tie Rod (C250), 18 9⁄32" | 1 |
| 6b | CX500Z2S | Tie Rod (C500), 28 3⁄32" | 1 |
| 6c | CX750Z2S | Tie Rod (C750, C100), 38 1⁄16" | 1 |
| 7a | CX250RE | Cartridge Element (C250) | 1 |
| 7b | CX500RE | Cartridge Element (C500) | 1 |
| 7c | CX750RE | Cartridge Element (C750) | 1 |
| 7d | CX1000RE | Cartridge Element (C100) | 1 |
| 8a | CX250AA1 | Filter Body with Tie Rod Assembly (C250) | 1 |
| 8b | CX500AA1 | Filter Body with Tie Rod Assembly (C500) | 1 |
| 8c | CX750AA1 | Filter Body with Tie Rod Assembly (C750, C100) | 1 |
| 9 | ECX27091 | Pressure Gauge, Back Mount | 25 |
| 10 | CX250Z14A | Drain Plug Kit | 50 |
| 11 | ECX4077B1 | Check Valve (optional) | 20 |
| **C Series Systems** | | | |
| — | SPX1250WA | 6 ft. Cord Set– No. 14/3 AWG | 10 |
| — | ECX1248 | Cord Strain Relief | 1 |
| 12 | ECX1108A | Pump Mounting Screw with Washer | 10 |
| 13 | EC1161PAK | Platform Base with Screws – Low Profile | 1 |
| 14 | SP1480BLK | 1 1⁄2" Male Union | 50 |
| 15 | ECX1325 | Switch Assembly | 10 |
| **Modular Flex Loop Systems** | | | |
| 16 | ECX1326A | Flex Loop Elbow | 20 |
| 17 | SPX14853 | Sweep Elbow Union Assembly | 20 |

# StarClear II™

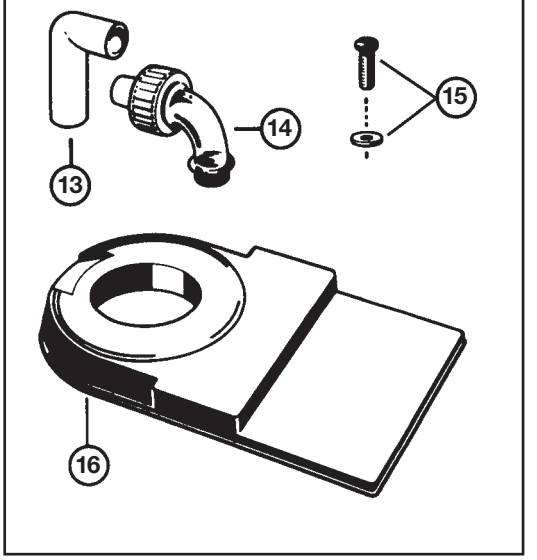
CARTRIDGE FILTER SERIES AND SEPARATION TANK REPLACEMENT PARTS



## Parts Diagram




StarClear II
SELECT-A-SYSTEMS



## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | CX800G | Locking Knob | 10 |
| 2 | CX250Z7 | O-Ring | 20 |
| 3 | ECX1322A | Directional Vent Valve with O-Ring | 20 |
| 4 | CX800C | Filter Head (Cover) with Air Relief Valve | 1 |
| 5 | CX800F | Filter Head O-Ring | 30 |
| 6a | CX800Z2 | Tie Rod (C800) | 1 |
| 6b | CX1100Z2 | Tie Rod (C1100) | 1 |
| 7a | CX800RE | Cartridge Element (C800) | 1 |
| 7b | CX1100RE | Cartridge Element (C1100) | 1 |
| 7c | CX800RE | Cartridge Element (C1500) – 2 Required | 1 |
| — | CX1500C | Cartridge Joiner (to join two C800RE cartridges in C1500 Filter) | 5 |
| 8a | CX800AA* | Filter Tank Body – 1 ½" (C800) | 1 |
| 8b | CX1500AA* | Filter Tank Body – 1 ½" (C1500) | — |
| 9 | ECX27091 | Pressure Gauge | 25 |
| 10 | CX250Z14A | Drain Plug Kit (Includes Plug and O-Ring) | 50 |
| 11 | CX800HA | Check Valve Assembly (optional) | — |
| 12a | CX800Z4 | Auto Air Relief Tube (C800) | 20 |
| 12b | CX1100Z4 | Auto Air Relief Tube (C1100) | 10 |
| **Modular Selecta-Systems** | | | |
| 13 | ECX1326A | Flex Loop Elbow | 20 |
| 14 | SPX14853 | Sweep Elbow Union Assembly | 20 |
| 15 | ECX1108A | 5/16" x 3/4" Mounting Screws (2) and 5/16" Washers (2) Kit | 10 |
| 16 | EC1161PAK | Platform Base with Screws – Low Profile | 1 |
| **D.E. SEPARATION TANK** Parts are same as C1100 except replace cartridge element with bag below. | | | |
| — | CX1100DB | D.E. Collector Bag Assembly | 1 |

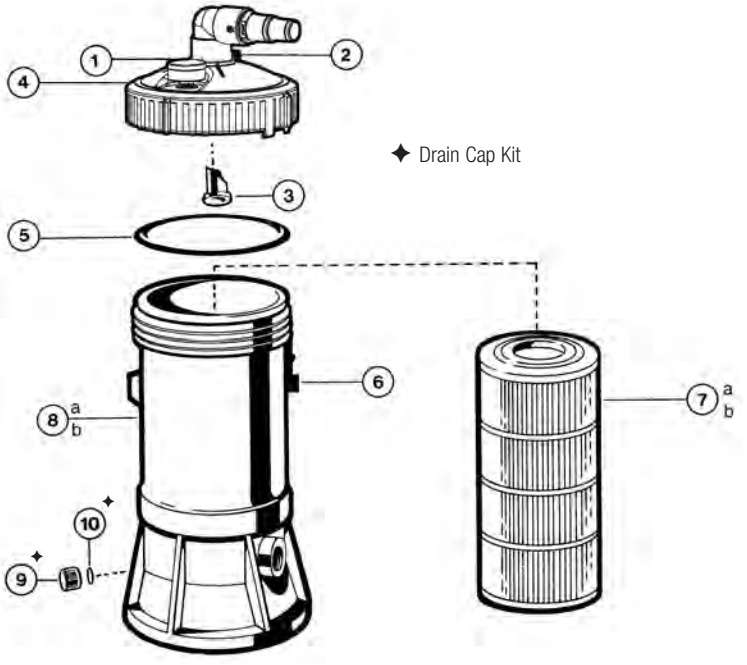
**NOTE:** *1 ½" NPT ports are standard. Add suffix 2 to part number for 2" NPT ports or 2S for 2" socket connections.

# EasyClear& Micro StarClear

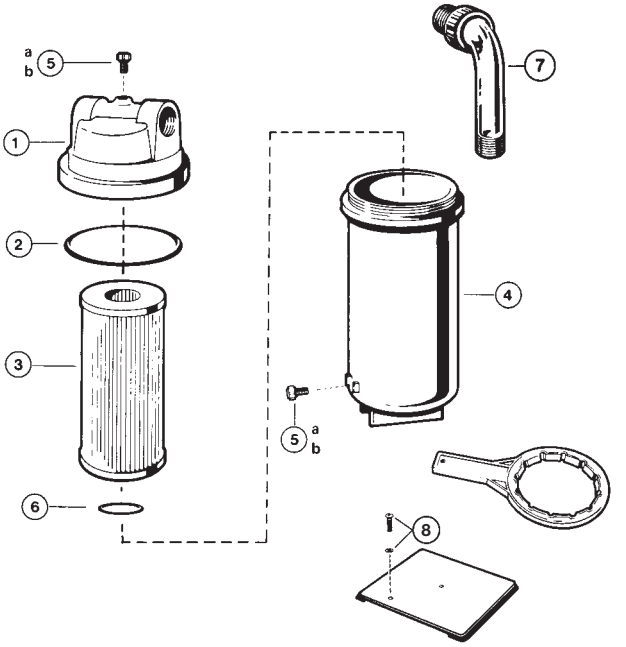
CARTRIDGE FILTER SERIES REPLACEMENT PARTS

## Parts Diagram and Parts Listing

EasyClear




Micro StarClear



### EasyClear C400, 550 cartridge filter series replacement parts

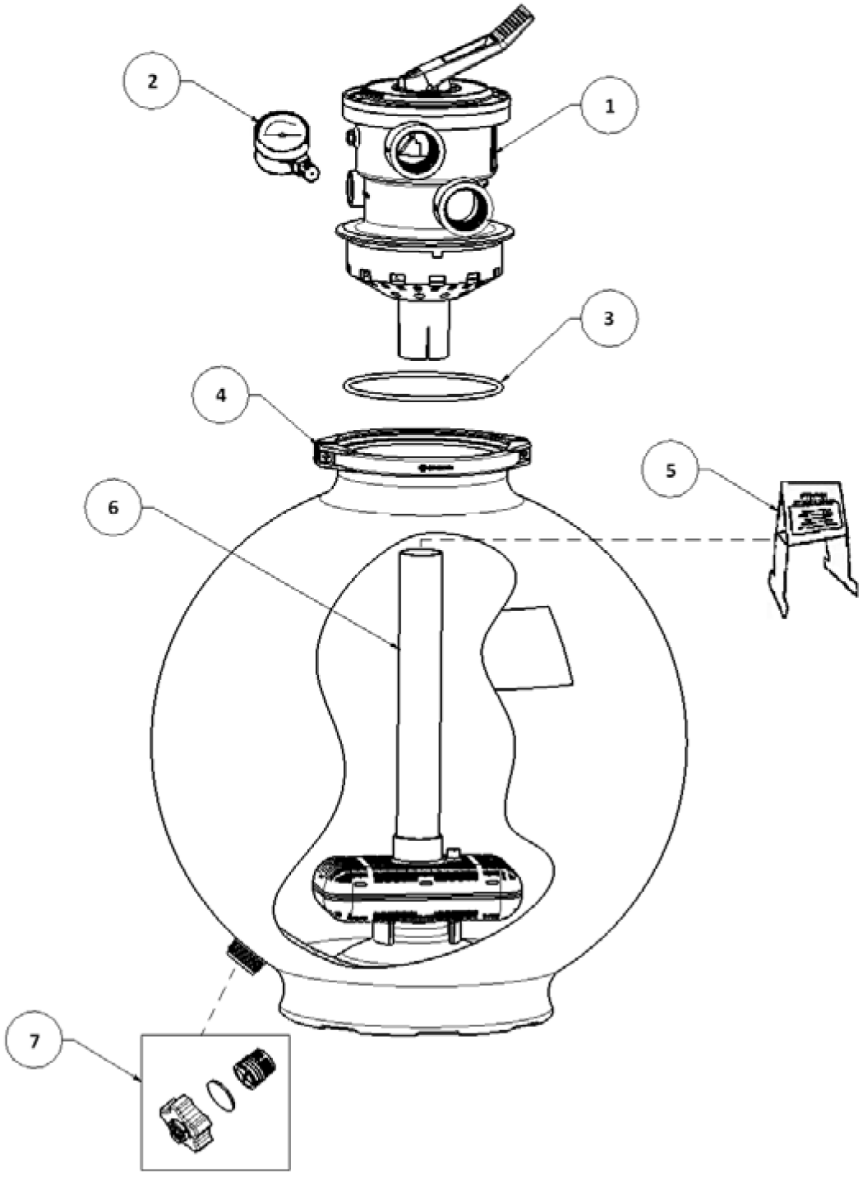
| Ref. No. | Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | ECX27091 | Gauge | 25 | 1 |
| 2 | ECX1322A | Vent Valve with O-Ring | 20 | 1 |
| 3 | ECX4077B1 | Check Valve | 20 | 1 |
| 4 | CX400BA | Filter Head (Cover) with Check Valve and Locking Ring | 1 | 1 |
| 5 | CX400G | Filter Head (Cover) O-Ring | 10 | 1 |
| 6 | CX400D | Locking Ring Latch | 10 | 1 |
| 7a | CX410RE | Filter Element (40 sq. ft.) | 1 | 1 |
| 7b | CX550RE | Filter Element (55 sq. ft.) | 1 | 1 |
| 8a | CX400AA | Filter Body (C400) | 1 | 1 |
| 8b | CX550AA | Filter Body (C550) | 1 | 1 |
| 9 | SX200Z8 | Drain Cap | — | 1 |
| 10 | SX200Z9 | Gasket | 25 | 1 |
| ✦ | SX200Z8A | Drain Cap Kit (Includes #9 & 10) | 50 | 1 |

### Micro StarClear C120, C200, C225 cartridge filter series replacement parts

| Ref. No. | Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | CX120AA | Filter Head with Vent Valve – 1 ½" NPT | 1 | 1 |
| 2 | CX120D | O-Ring | 100 | 1 |
| 3 | CX225RE | Cartridge Element – 25 sq. ft. (C225) | 12 | 1 |
| 4 | CX120B | Filter Body Housing | 1 | 1 |
| 5a | ECX1321A* | Air Relief Valve with O-Ring | — | 2 |
| 5b | ECX1322A | Directional Vent Valve with O-Ring | 20 | 1 |
| — | CX250Z15 | By-Pass Plug (Internal) | 1 | 1 |
| 6 | SPX1485C | Gasket | 25 | 1 |
| 7 | SPX1485BPAK | Threaded Elbow Union Assembly | 10 | 1 |
| — | S200KT | Wrench Tool for Body Housing (optional) | 1 | — |
| 8 | ECX1108A | Pump Mounting Screw with Washer | 10 | 2 |

**NOTE**: *Replace with ECX1322A.

## Parts Diagram and Parts Listing




## Parts Listing

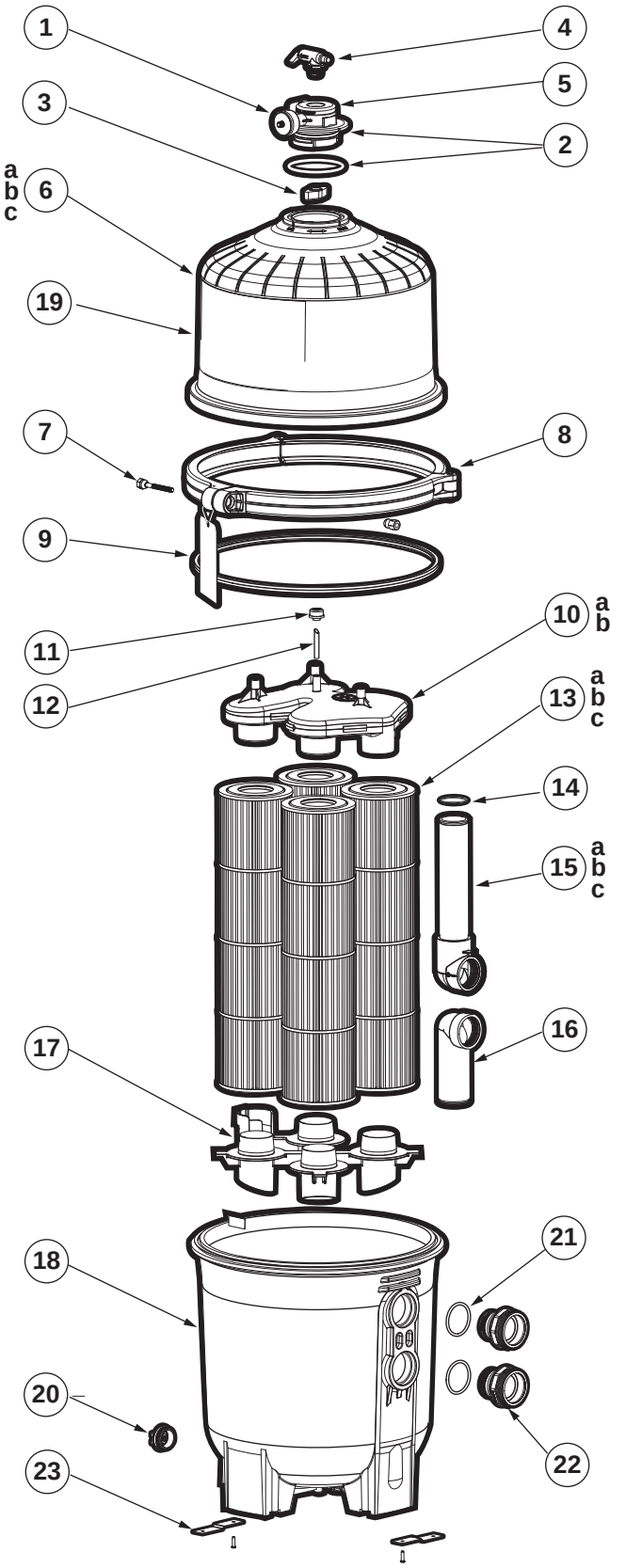
| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SP0714T | Multiport valve | 1 |
| 2 | ECX271261 | Pressure gauge | 1 |
| 3 | GMX600F | Valve o-ring | 1 |
| 4 | GMX600NM | Clamp Assembly | 1 |
| 5 | SCN202S | Sand sheild | 1 |
| 6a | SWX210DA | Underdrain Assembly VL210T | 1 |
| 6b | SWX240DA | Underdrain assembly VL240T, VL270T | 1 |
| 7 | SX180LA | Drain cap & gasket | 1 |

# DEP 500 Series

PLEATED ELEMENT D.E. FILTER REPLACEMENT PARTS



## Parts Diagram



## Parts Listing

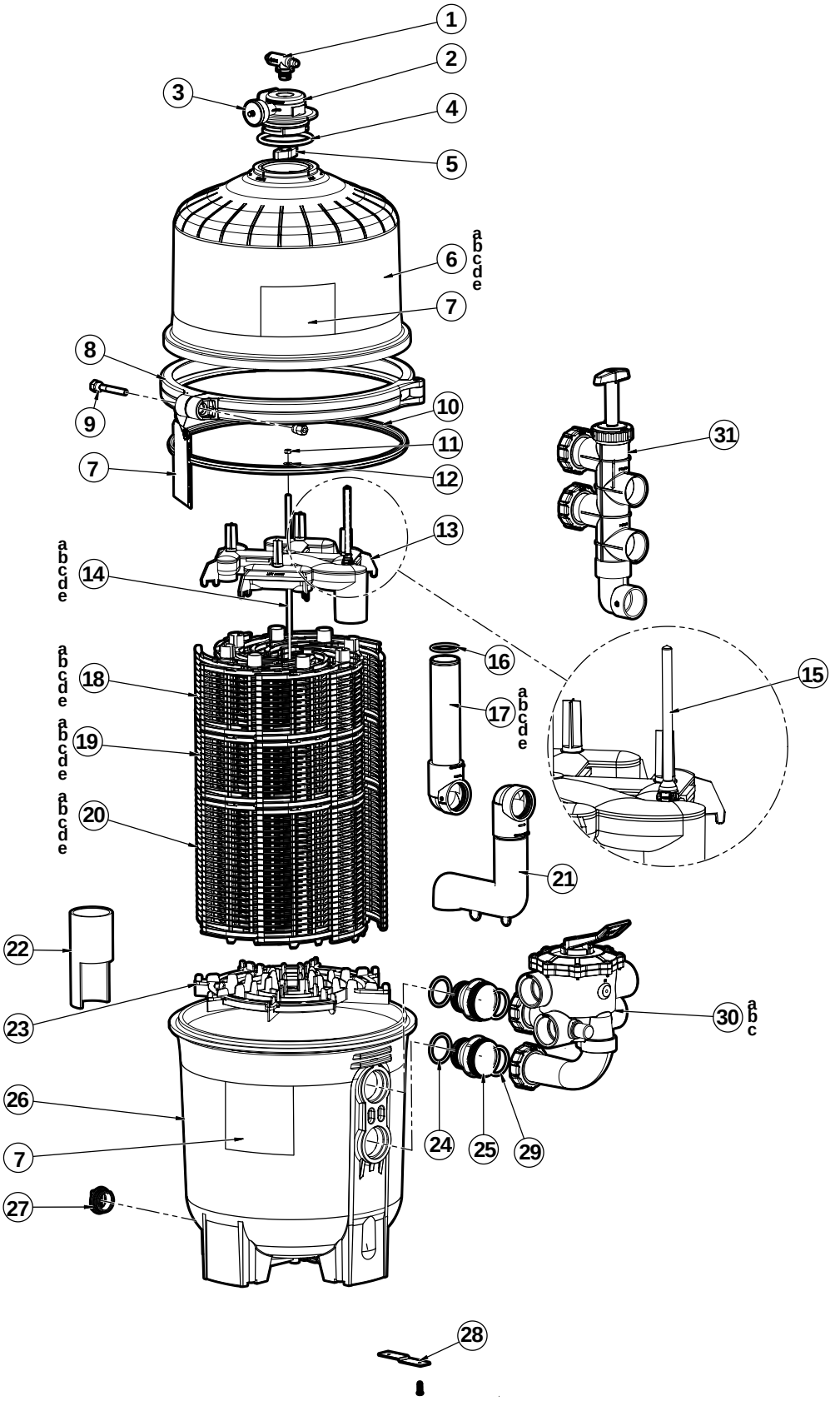
| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | ECX2712B1 | Pressure Gage | 20 |
| 2 | DEX2420Z8A | O-Ring Kit (Set of 2) | 10 |
| 3 | CCX1000N | Air Relief Valve Nut | 50 |
| 4 | CCX1000V | Manual Air Relief with O-Ring | 50 |
| 5 | DEX2420MAR2 | Manual Air Relief Assembly | 1 |
| 6a | DEX3620BTC | Upper Filter Body DEP60 | 1 |
| 6b | DEX4820BTC | Upper FIlter Body DEP80 | 1 |
| 6c | DEX6020BTC | Upper Filter Body DEP100 | 1 |
| 7 | DEX2421J2 | Clamp Bolt & Nut | 10 |
| 8 | DEX2421JKIT | Clamp System Including: Clamp, Clamp Nut and Bolt, Hang Tag, Metal Reinforced Seal, and Labels | 1 |
| 9 | DEX2422Z2 | Metal Reinforced Seal | 1 |
| 10a | CX3030C | Top Manifold | 1 |
| 10b | CX5030C | Top Manifold, DEP100 | 1 |
| 11 | CX3000J1 | Air Relief Filter | 250 |
| 12 | CX2030Z3 | Air Relief Tube | 10 |
| 13a | DEX150E | Cartridge Element DEP60 (1 of 4 Required) | 1 |
| | DEX150EPAK4 | Cartridge DEP60 (4 Pack) | 1 |
| 13b | DEX200E | Cartridge Element DEP80 (1 of 4 Required) | 1 |
| | DEX200EPAK4 | Cartridge DEP80 (4 Pack) | 1 |
| 13c | DEX250E | Cartridge Element DEP100 (1 of 4 Required) | 1 |
| | DEX250EPAK4 | Cartridge DEP100 (4 Pack) | 1 |
| 14 | DEX2400Z5 | O-Ring | 10 |
| 15a | DEX60EA | Outlet Elbow Assembly DEP60 | 5 |
| 15b | DEX80EA | Outlet Elbow Assembly DEP80 | 5 |
| 15c | DEX100EA | Outlet Elbow Assembly DEP100 | 4 |
| 16 | CX3020FB | Inlet Elbow | 5 |
| 17 | CX3030D | Bottom Seal Plate | 1 |
| 18 | DEX2420ATC | Lower Filter Body | 1 |
| 19 | DEX6040LA6PAK | Label Pack: Includes all Warning and Operation Labels, Hang Tag, Wire Tie, and Owner's Manual | — |
| 20 | SP1022CBLK | 1 1/2" Drain Plug with O-Ring | 100 |
| 21 | SX220Z2 | O-Ring | 10 |
| 22 | DEX2420F | Bulkhead Fitting | 25 |
| 23 | DEX2420DCKIT | Strap Kit (Optional) | 25 |

# ProGrid™

VERTICAL GRID D.E. FILTER SERIES REPLACEMENT PARTS



## Parts Diagram



## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | CCX1000V | Manual Air Relief Valve with O-Ring | 50 | 1 |
| 2 | DEX2420MAR2 | Manual Air Relief Assembly | 1 | 1 |
| 3 | ECX2712B1 | Pressure Gauge | 20 | 1 |
| 4 | DEX2420Z8A | O-Ring Kit (Set of 2) | 10 | 1 |
| 5 | CCX1000N | Manual Air Relief Valve Nut | 50 | 1 |
| 6a | DEX2420BTC | Filter Head (DE2420) | 1 | 1 |
| 6b | DEX3620BTC | Filter Head with Clamp (DE3620) | 1 | 1 |
| 6c | DEX4820BTC | Filter Head with Clamp (DE4820) | 1 | 1 |
| 6d | DEX6020BTC | Filter Head with Clamp (DE6020) | 1 | 1 |
| 6e | DEX7220BTC | Filter Head (DE7220) | 1 | 1 |
| 7 | DEX2420LA6PAK | Label Pack (Includes all warning and operation labels, hang tag (#10), wire tie and owner's manual) | 10 | 1 |
| 8 | DEX2421JKIT | Clamp System including: Clamp, Clamp Nut and Bolt, Warning Hang Tag, Metal Reinforced Seal and Labels | 1 | 1 |
| 9 | DEX2421J2* | Clamp Bolt and Nut | 10 | 1 |
| 10 | DEX2422Z2* | Metal Reinforced Seal | 1 | 1 |
| 11 | ECX176865 | Retainer Nut, 5/16" – 18 | 25 | 1 |
| 12 | ECX1109 | Washer, 5/16" (2 Required) | 10 | 2 |
| 13 | DEX2400C | Top Collector Manifold with Flex Air Relief Assembly | 1 | 1 |
| 14a | DEX2400R | Retainer Rod (DE2420) | 5 | 1 |
| 14b | DEX3600R | Retainer Rod (DE3620) | 5 | 1 |
| 14c | DEX4800R | Retainer Rod (DE4820) | 5 | 1 |
| 14d | DEX6000R | Retainer Rod (DE6020) | 5 | 1 |
| 14e | DEX7200R | Retainer Rod (DE7220) | 5 | 1 |
| 15 | DEX2400CR | Flex Air Relief Assembly | 50 | 1 |
| 16 | DEX2400Z5 | Outlet Elbow O-Ring | 10 | 1 |
| 17a | DEX2420EA | Outlet Elbow Assembly with O-Ring (DE2420) | 5 | 1 |
| 17b | DEX3620EA | Outlet Elbow Assembly with O-Ring (DE3620) | 10 | 1 |
| 17c | DEX4820EA | Outlet Elbow Assembly with O-Ring (DE4820) | 5 | 1 |
| 17d | DEX6020EA | Outlet Elbow Assembly with O-Ring (DE6020) | 5 | 1 |
| 17e | DEX7220EA | Outlet Elbow Assembly with O-Ring (DE7220) | 5 | 1 |
| 18a | DEX2420DC | Filter Element Cluster Assembly (DE2420) | 1 | 1 |
| 18b | DEX3600DC** | Filter Element Cluster Assembly (DE3620) | 1 | 1 |
| 18c | DEX4800DC** | Filter Element Cluster Assembly (DE4820) | 1 | 1 |
| 18d | DEX6000DC** | Filter Element Cluster Assembly (DE6020) | 1 | 1 |
| 18e | DEX7200DC** | Filter Element Cluster Assembly (DE7220) | 1 | 1 |
| 19a | DEX2400DA | Filter Element (DE2420) | 10 | 7 |
| 19b | DEX3600DA | Filter Element (DE3620) | 10 | 7 |
| 19c | DEX4800DA | Filter Element (DE4820) | 10 | 7 |
| 19d | DEX6000DA | Filter Element (DE6020) | 10 | 7 |
| 19e | DEX7200DA | Filter Element (DE7220) | 10 | 7 |
| 20a | DEX2400DS | Filter Element – Short (DE2420) | 10 | 1 |
| 20b | DEX3600DS | Filter Element – Short (DE3620) | 10 | 1 |
| 20c | DEX4800DS | Filter Element – Short (DE4820) | 10 | 1 |
| 20d | DEX6000DS | Filter Element – Short (DE6020) | 10 | 1 |
| 20e | DEX7200DS | Filter Element – Short (DE7220) | 10 | 1 |
| 21 | DEX2420GA | Inlet Elbow | 5 | 1 |
| 22 | DEX2420T | Element Spacer (DE2420 Only) | 5 | 1 |
| 23 | DEX2400H | Filter Element Locator | 1 | 1 |
| 24 | SX220Z2 | Bulkhead O-Ring (2 Required) | 10 | 2 |
| 25 | DEX2420F | Bulkhead Fitting (2 Required) | 25 | 2 |
| 26 | DEX2420ATC | Filter Body with Clamp | 1 | 1 |
| 27 | SP1022CBLK | 1 ½" Drain Plug with O-Ring | 100 | 1 |
| 28 | DEX2420DCKIT | Strap Kit: 2 Straps, 2 Screws (Optional) | 25 | 1 |
| 29 | SX200Z4PAK2 | Valve/Union O-Ring (Set of 2) | 25 | 1 |
| 30a | SP0740DE | Selecta-Flo™ Valve Assembly – 2" SKT | 1 | 1 |
| 30b | SP0710XR50 | Vari-Flo™ Valve Assembly – 1 ½" NPT | 1 | 1 |
| 30c | SP0715XR50 | Vari-Flo Valve Assembly – 2" NPT | 1 | 1 |
| 31 | SP0410X5025 | Slide Valve Assembly – 2" SKT | 1 | 1 |

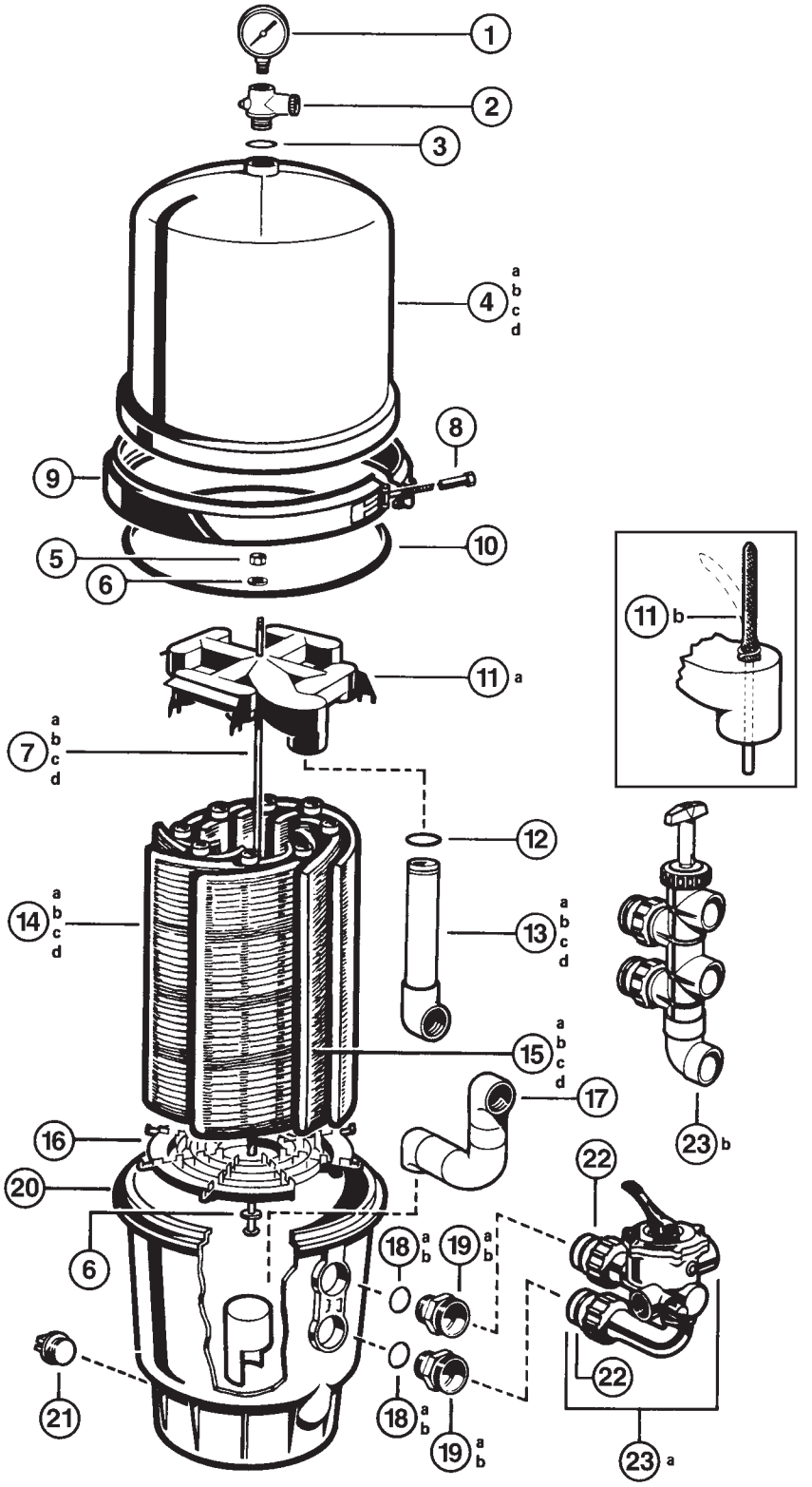
**NOTES:** *Compatible only with DEX2421JKIT clamp system for Hayward ProGrid D.E. and SwimClear cartridge filters.

**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

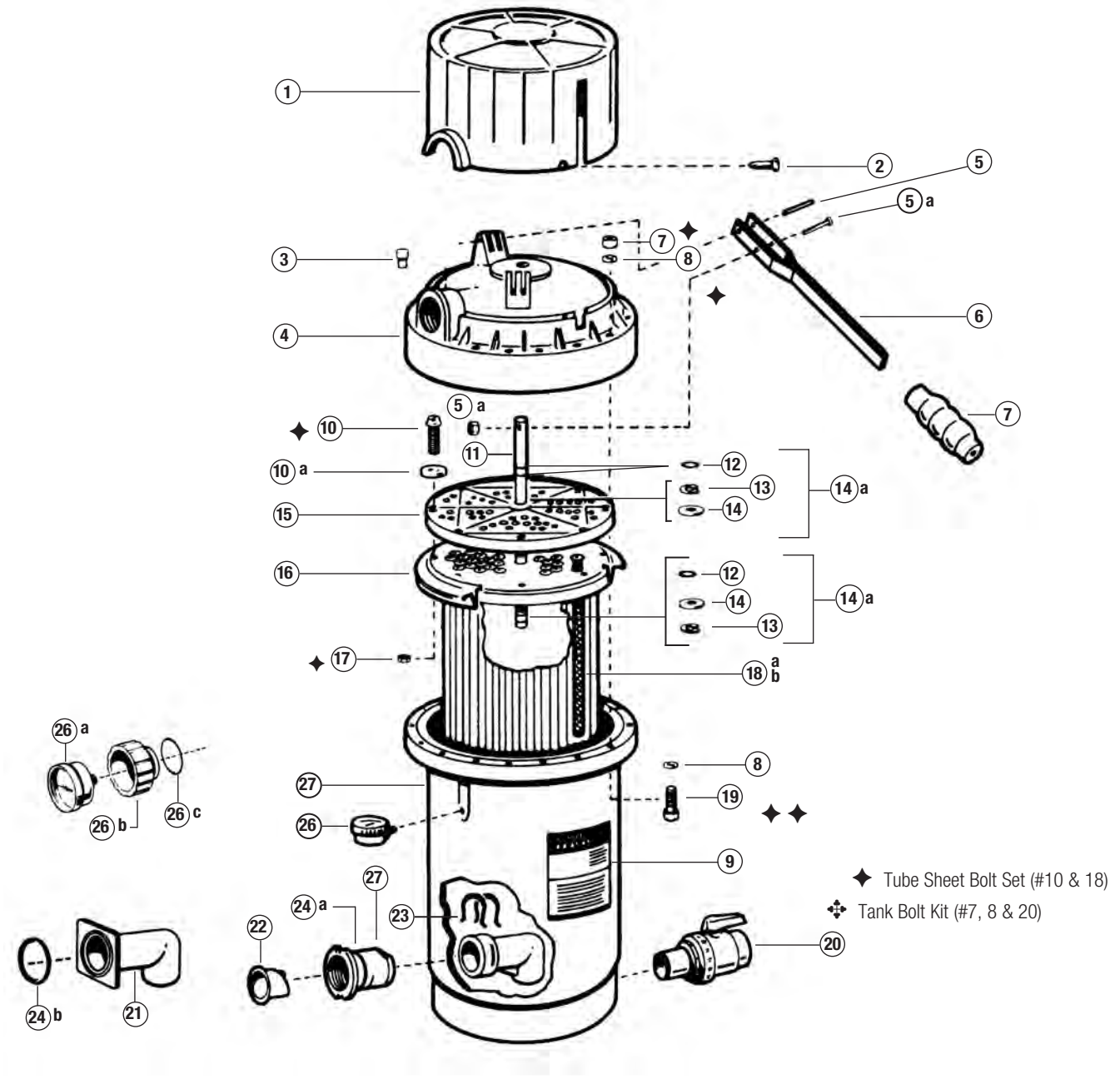
| Ref. No. | Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | ECX270861 | Pressure Gauge | 50 | 1 |
| 2 | DEX2400S | Relief Valve/Gauge Adapter Assembly | 100 | 1 |
| — | DEX2400Z3A | O-Ring for Relief Valve Stem (Set of 3) | 100 | 1 |
| 3 | SX200Z5 | Relief Valve Assembly O-Ring | 50 | 1 |
| 4a | DEX2400BT | Filter Head (DE2400) | — | — |
| 4b | DEX3600BT | Filter Head (DE3600) | — | — |
| 4c | DEX4800BT | Filter Head (DE4800) | — | — |
| 4d | DEX6000BT | Filter Head (DE6000) | — | — |
| 5 | ECX176865 | Retainer Nut, 5/16" – 18 | 25 | 1 |
| 6 | ECX1109 | Washer, 5/16" | 10 | 2 |
| 7a | DEX2400R | Retainer Rod (DE2400) | 5 | 1 |
| 7b | DEX3600R | Retainer Rod (DE3600) | 5 | 1 |
| 7c | DEX4800R | Retainer Rod (DE4800) | 5 | 1 |
| 7d | DEX6000R | Retainer Rod (DE6000) | 5 | 1 |
| 8 | DEX2400JN | Brass Sleeve Nut, 5/16" – 24 | — | — |
| 9 | DEX2400J | Clamp Assembly with Spring Assemblies | — | — |
| 10 | DEX2400K | Filter Tank O-Ring | — | — |
| 11a | DEX2400C | Top Collector Manifold with Flex Air Relief | 1 | 1 |
| 11b | DEX2400CR | Flex Air Relief Assembly | 50 | 1 |
| 12 | DEX2400Z5 | Outlet Elbow O-Ring | 10 | 1 |
| 13a | DEX2400EAB | Outlet Elbow Assembly (DE2400) | — | — |
| 13b | DEX3600EAB | Outlet Elbow Assembly (DE3600) | — | — |
| 13c | DEX4800EAB | Outlet Elbow Assembly (DE4800) | — | — |
| 13d | DEX6000EAB | Outlet Elbow Assembly (DE6000) | — | — |
| 14a | DEX2400DA | Filter Element (DE2400) | 10 | 7 |
| 14b | DEX3600DA | Filter Element (DE3600) | 10 | 7 |
| 14c | DEX4800DA | Filter Element (DE4800) | 10 | 7 |
| 14d | DEX6000DA | Filter Element (DE6000) | 10 | 7 |
| 15a | DEX2400DS | Filter Element – Short (DE2400) | 10 | 1 |
| 15b | DEX3600DS | Filter Element – Short (DE3600) | 10 | 1 |
| 15c | DEX4800DS | Filter Element – Short (DE4800) | 10 | 1 |
| 15d | DEX6000DS | Filter Element – Short (DE6000) | 10 | 1 |
| 16 | DEX2400H | Filter Element Locator | 1 | 1 |
| 17 | DEX2400GAB | Inlet Elbow Assembly | — | — |
| 18a | SX200Z3 | O-Ring (1995 and Prior) | 50 | 2 |
| 18b | SX360Z1 | O-Ring (1996- ) | 25 | 2 |
| 19a | DEX360F | Bulkhead Fitting | — | — |
| 19b | DEX360FB | Buttress Thread Bulkhead Fitting | — | — |
| 20 | DEX2400A1T | Filter Body | — | — |
| 21 | SP1022CBLK | 1 1/2" Drain Plug with O-Ring | 100 | 1 |
| 22 | SX200Z4PAK2 | Valve/Union O-Ring (Set of 2) | 25 | 1 |
| 23a | SP0710XR50 | Vari-Flo Valve Assembly – 1 1/2" NPT | 1 | 1 |
| — | SP0715XR50 | Vari-Flo Valve Assembly – 2" NPT | 1 | 1 |
| — | SP0740DE | Selecta-Flo Valve Assembly – 2" SKT | 1 | 1 |
| 23b | SP0410X502S | Slide Valve Assembly – 2" SKT | 1 | 1 |
| — | DEX2400DC* | Filter Element Cluster Assembly (DE2400) | 1 | 1 |
| — | DEX3600DC* | Filter Element Cluster Assembly (DE3600) | 1 | 1 |
| — | DEX4800DC* | Filter Element Cluster Assembly (DE4800) | 1 | 1 |
| — | DEX6000DC* | Filter Element Cluster Assembly (DE6000) | 1 | 1 |

**NOTE:** *Assembled set of filter elements, manifold, flex air relief, retainer rod and element locator.

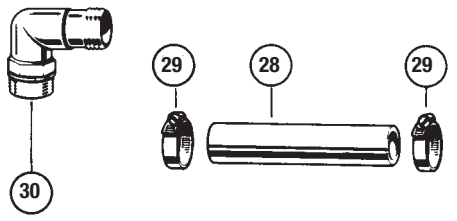
# Perflex®

EC65, (W3)EC65A, EC75 AND (W3)EC75A EXTENDED-CYCLE D.E. FILTER REPLACEMENT PARTS

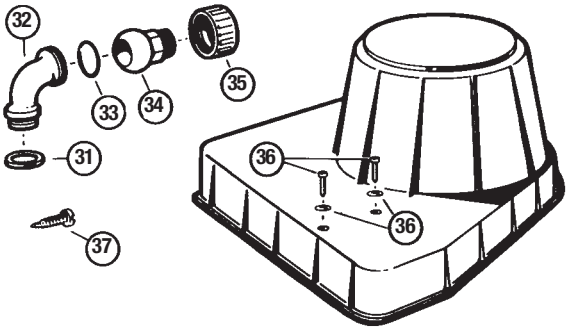
## Parts Diagram




### SERIES EC65 – STANDARD




### SERIES EC65 SYSTEM III



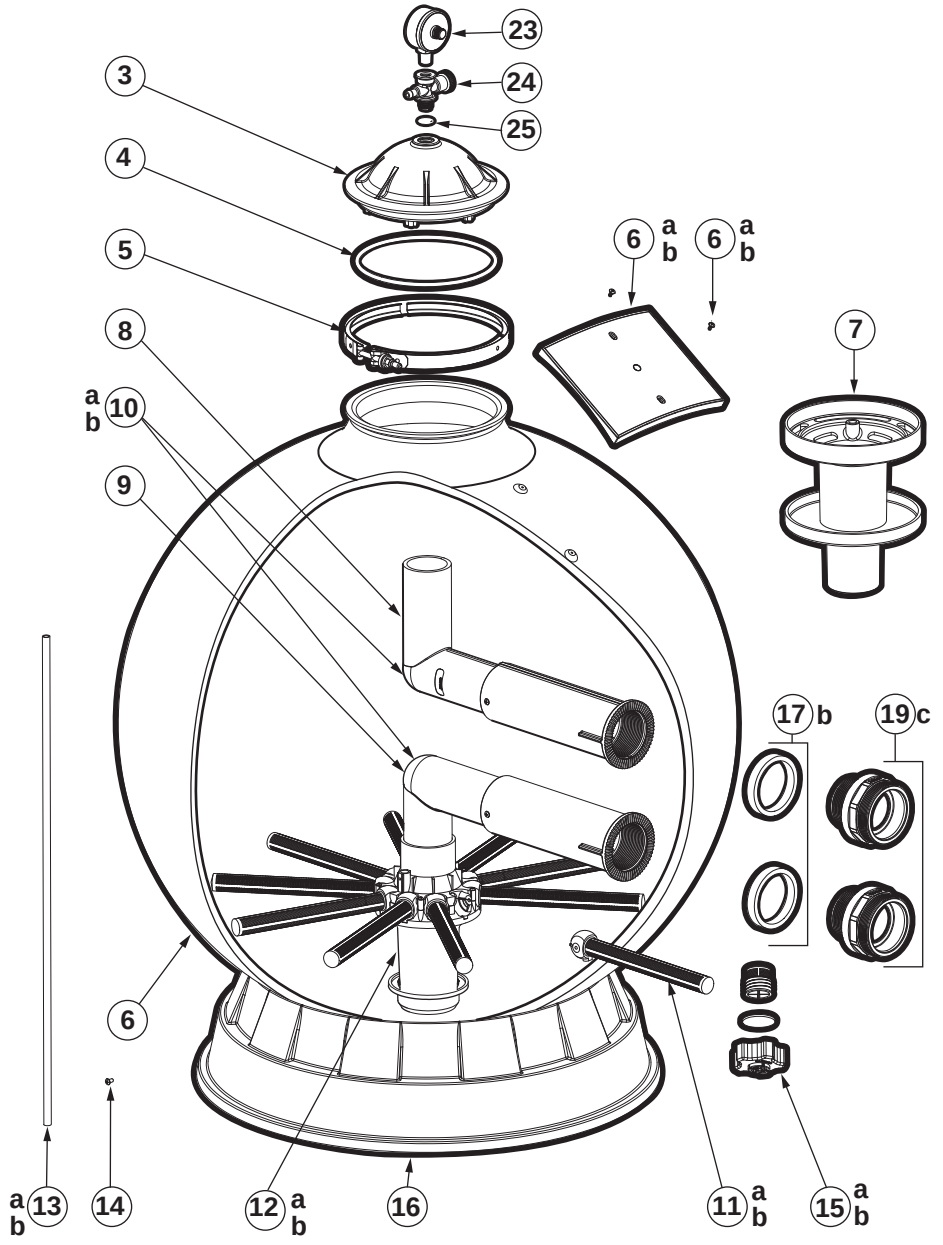
## Parts Listing

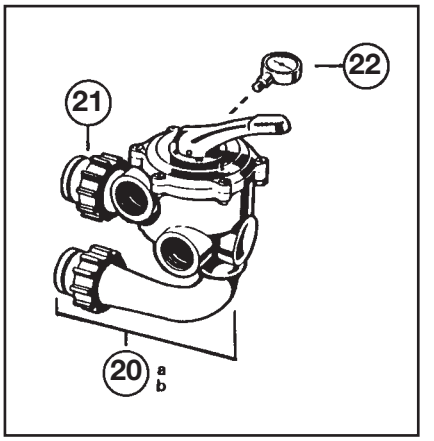
| Ref. No. | Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | ECX11206 | Bump Mechanism Cover | 1 | 1 |
| 2 | ECX1019 | Cover Screw (1981 and Prior) – Not Available | 10 | 1 |
| 3 | ECX1322A | Vent Valve (Threaded) with O-Ring | 20 | 1 |
| 4 | ECX11194AT | Filter Head with New Vent Valve | 1 | 1 |
| 5 | ECX100Z9 | Roll Pin | 50 | 2 |
| 5a | ECX4236A | Bump Screw Kit | 1 | 1 |
| 6 | ECX1040 | Bump Handle Assembly (Includes Pin, Shoulder Screw, Nut) | 5 | 1 |
| — | ECX1037B | Bump Handle Grip | 50 | 1 |
| 7 | ECX1642A | Tank Bolt Set | 20 | 15 |
| 8 | ECX1077 | 1/4" x 1 1/16" O.D. Flat Washer | 50 | 30 |
| 9 | ECX1230 | Decal – Operation | 1 | 1 |
| 10 | SPX1500N1 | Tube Sheet Screw | 50 | 16 |
| 10a | ECX1641125 | Flat Washer (1989 and Prior) | 25 | 16 |
| 11 | ECX1110 | Bump Shaft | 25 | 1 |
| 12 | ECX9611246PAK3 | Shaft O-Ring Kit (Set of 3) | 25 | 1 |
| 13 | ECX1014PAK2 | Retainer Clip (Set of 2) | 25 | 1 |
| 14 | ECX1011 | Thrust Washer | 25 | 2 |
| 14a | ECX1014A | Shaft Kit (Includes #12, 13 & 14) | 25 | 1 |
| 15 | ECX11034SET | Tube Sheet Set (Top and Bottom) | 10 | 1 |
| 16 | ECX1105 | Diaphragm Gasket | 10 | 1 |
| 17 | SPX1500Y1 | Tube Sheet Nut | 50 | 16 |
| 18a | ECX1031PAK5 | EC65 Flex Tube 13 3/8" Long (Set of 5) | 10 | 12 |
| 18b | ECX1032PAK10 | EC75 Flex Tube 16 1/4" Long (Set of 10) | 10 | 24 |
| 19 | ECX1642215 | 1/4" – 20 x 1 3/4" Hex. Head Bolt | 25 | 15 |
| 20 | SP0723 | Ball-Type Drain Valve | 24 | 1 |
| 21 | ECX4220A | Elbow Assembly with Check Valve | 10 | 1 |
| 22 | ECX4077B1 | Check Valve | 20 | 1 |
| 23 | ECX4212A | Retainer Clip (1989 and Prior) | 10 | 2 |
| 24a | SPX1425Z6 | O-Ring (1989 and Prior) | 25 | 1 |
| 24b | SPX1500W | O-Ring (1990) | 50 | 1 |
| 25 | ECX4201CA | Inlet Fitting with ECX4077B1 Check Valve | 10 | 1 |
| 26 | ECX2712B1 | Pressure Gauge | 20 | 1 |
| 26a | ECX27091 | Pressure Gauge, Back Mount | 25 | 1 |
| 26b | ECX12866 | Gauge/Port Adapter | 10 | 1 |
| 26c | ECX1287 | Adapter O-Ring | 25 | 1 |
| 27 | ECX11184AT | Filter Body with new Elbow Assembly | 1 | 1 |
| ✦ | SPX1500NYA | Tube Sheet Bolt Set (Includes #10 & 18) | 50 | 1 |
| ✦✦ | ECX1642A | Tank Bolt Kit (EC65, 75 – Includes #7, 8 & 20) | 20 | 15 |
| — | ECX1251 | Flex-Tube Nest (EC65) – Includes Items 10 thru 19 | 1 | — |
| — | ECX125175 | Flex-Tube Nest (EC75) – Includes Items 10 thru 19 | 1 | — |
| **Series EC65 – Standard** | | | | |
| 28 | ECX27071 | 1 9/16" I.D. Clear Hose | 2 | 1 |
| 29 | ECX18028 | Hose Clamp | 25 | 2 |
| 30 | SPX1105Z4 | 1 1/2" Elbow Hose Adapter | 50 | 2 |
| **Series EC65 System III** | | | | |
| 31 | SPX1485C | Gasket | 25 | 1 |
| 32 | SPX1485B | Pump Discharge Elbow | 10 | 1 |
| 33 | SPX1425Z6 | O-Ring | 25 | 1 |
| 34 | SPX1485A | Union Ball End | 10 | 1 |
| 35 | SPX1480C | Union Nut | 10 | 1 |
| 36 | ECX1161Z2 | Pump Mounting Screw Set | 10 | 2 |
| 37 | SPX1600Z52 | Anchor Screw (Pkg. of 2) | 1 | 2 |

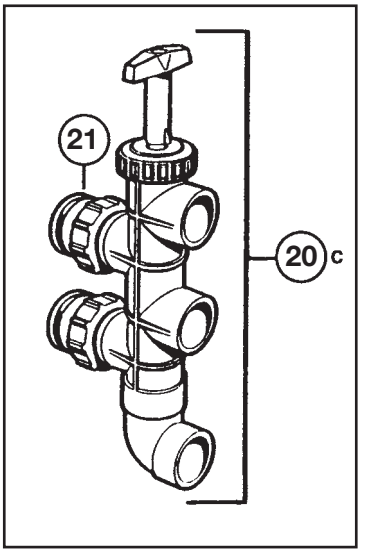
# ProSeries™ Plus

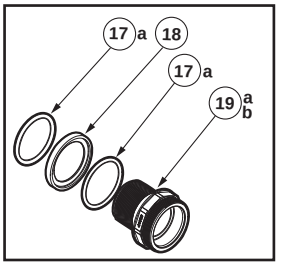
S311SX, S311SXV, S360SX SAND FILTER SERIES REPLACEMENT PARTS

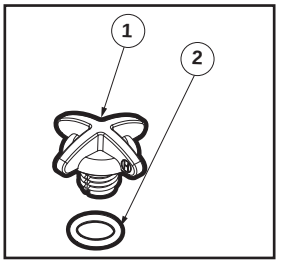
## Parts Diagram

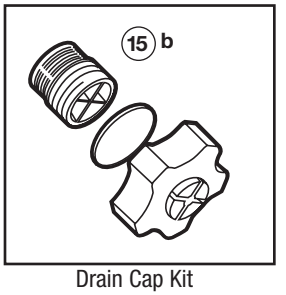



Drain Cap Kit

Folding Lateral Assembly

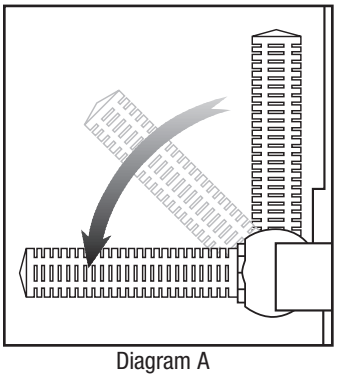


Diagram A

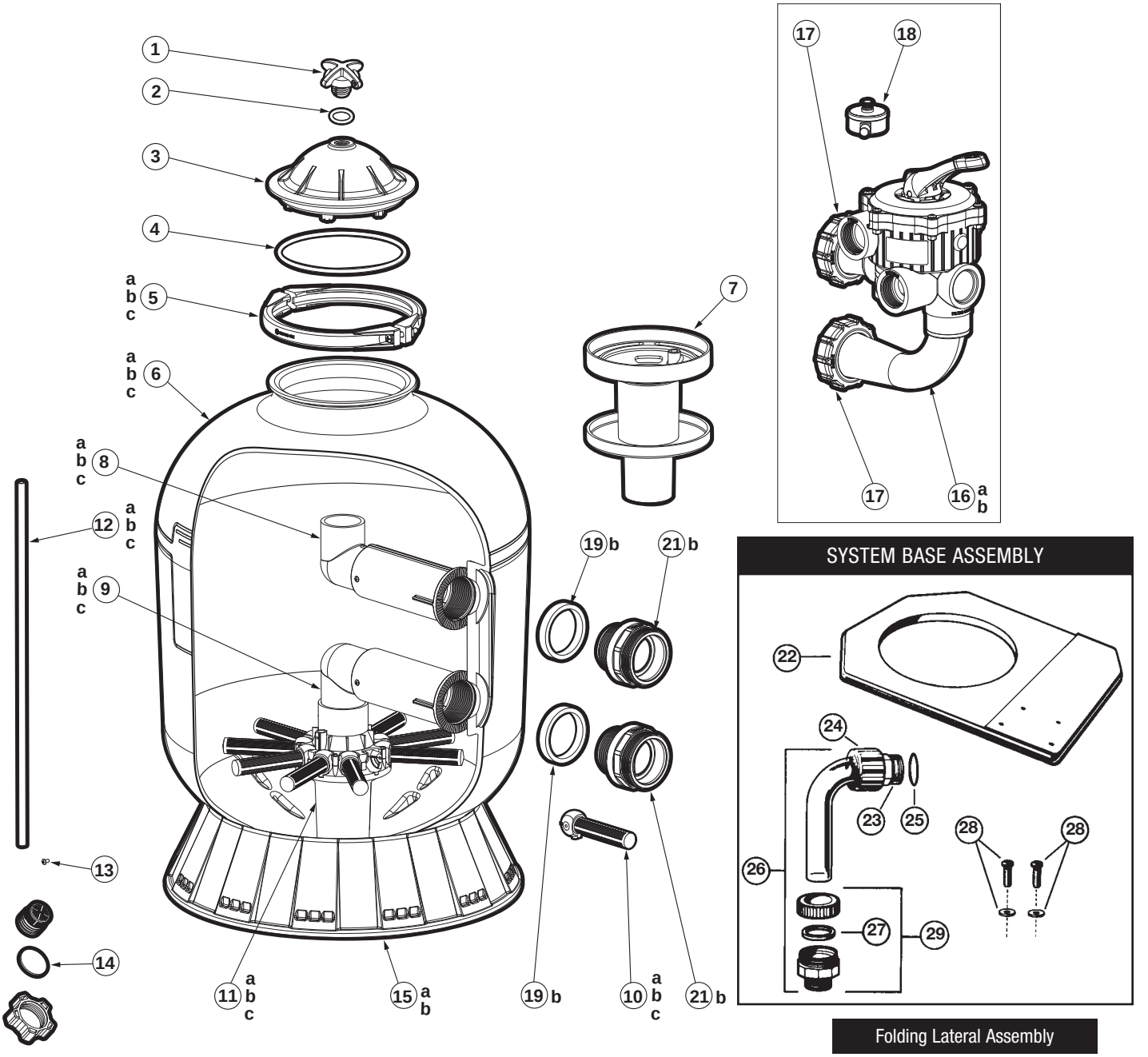
## Parts Listing

| Ref. No. | Part No. | Description | Ctn Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | SX200G | Manual Air Relief | 10 | 1 |
| 2 | SX200Z5 | O-Ring | 50 | 1 |
| 3 | SX244K | Top Closure Dome | 5 | 1 |
| 4 | GMX600F | Tank O-Ring | 100 | 1 |
| 5 | SX310N | Flange Clamp | 5 | 1 |
| 6 | SX311AA2FW | S311 Filter Tank with Drain Cap and Base | 1 | 1 |
| 7 | SX244G | Top Diffuser Assembly | 5 | 1 |
| 8 | SX311CD1FW | Top Elbow Assembly (S311) | 1 | 1 |
| 9 | SX311CD2FW | Bottom Elbow Assembly (S311) | 2 | 1 |
| 10a | SX360CD | Top and Bottom Elbow Assembly (S360) (1999 and Prior) | 1 | 2 |
| 10b | SX360CDFW | Top and Bottom Elbow Assembly (S360) (after 1999) | 2 | 2 |
| 11a | SX310HNPAK10 | Pivot/Ball Lateral (Set of 10) | 10 | 1 |
| 11b | SX310HAPAK10 | Threaded Lateral (Set of 10) | 10 | 1 |
| 12a | SX311DA | Folding Lateral Assembly (S311) (See Diagram A) | 1 | 1 |
| 12b | SX242MA3 | Folding Lateral Assembly (S360) (See Diagram A) | 1 | 1 |
| 13a | CX1100Z4 | Air Tube (S311) | 10 | 1 |
| 13b | SX360Z2 | Air Tube (S360) | 1 | 1 |
| 14 | SX200Z2 | Air Tube Lock Screw | 10 | 1 |
| 15a | SX180HG | Drain Cap Kit (2005 and Prior) | 25 | 1 |
| — | SX200H | Bottom Drain Screen (2005 and Prior) | 10 | 1 |
| 15b | SX180LA | Drain Cap Kit (See Diagram) | 25 | 1 |
| 16 | SX310J | Filter Support Stand | 1 | 1 |
| 17a | SX360Z1 | O-Ring (S311, S360 – after 1995) | 25 | 4 |
| 17b | SX244Z1 | Square Seal | 25 | 2 |
| 18 | SX360E | O-Ring Spacer (S311, S360 – after 1995) | 10 | 2 |
| 19a | SX244P | Bulkhead Fitting (S311 after 1996, S360 after 1999) Replaced by SX244PX | 10 | 2 |
| 19b | SX311F | Bulkhead Fitting (S360) (1999 and Prior) | 10 | 2 |
| 19c | SX244PX | Bulkhead Fitting with Seal | 10 | 2 |
| 20a | SP0710X62 | Vari-Flo Valve Assembly – 1 ½" FIP | 1 | 1 |
| 20b | SP0715X62 | Vari-Flo Valve Assembly – 2" FIP | 1 | 1 |
| 20c | SP0410X602S | Slide Valve Assembly – 2" SKT | 1 | 1 |
| 21 | SX200Z4PAK2 | Valve/Union O-Ring (Set of 2) | 25 | 1 |
| 22 | ECX270861 | Pressure Gauge | 50 | 1 |
| **Optional (Supplied with Model S311SXV Slide Valve Unit Only)** | | | | |
| 23 | ECX270861 | Pressure Gauge | 50 | 1 |
| 24 | DEX2400S | Relief Valve/Gauge Adapter Assembly | 100 | 1 |
| — | DEX2400Z3A | O-Ring for Relief Valve Stem (Set of 3) | 100 | 1 |
| 25 | SX200Z5 | O-Ring | 50 | 1 |

# ProSeries™

S210S, S244S, S310S SAND FILTER SERIES REPLACEMENT PARTS

## Parts Diagram




## SYSTEM BASE ASSEMBLY




## Folding Lateral Assembly

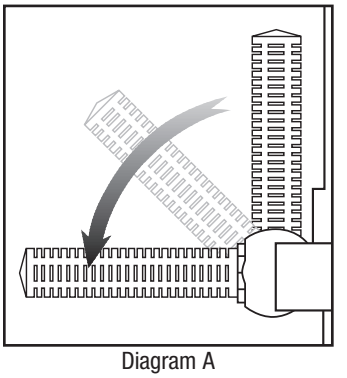
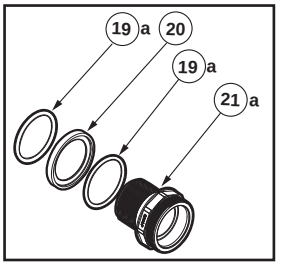
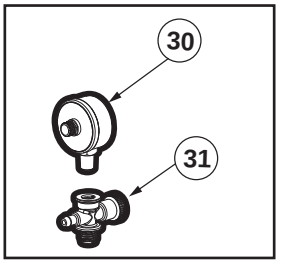
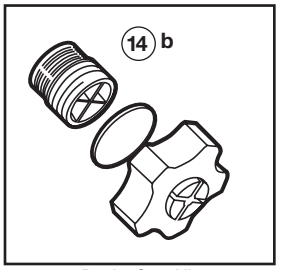


Diagram A




Drain Cap Kit

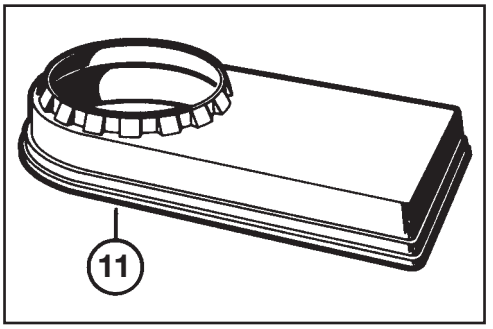
## Parts Listing

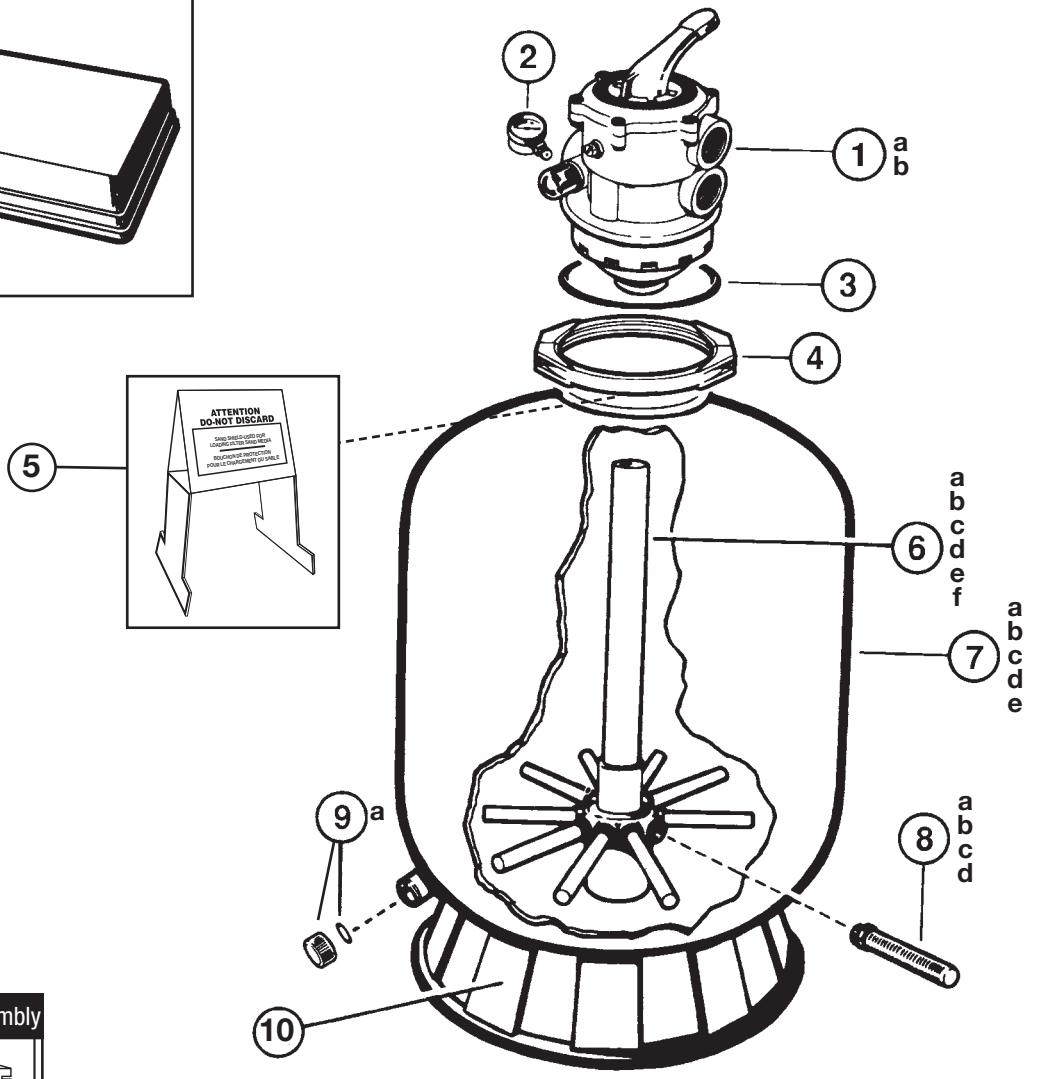
| Ref. No. | Part No. | Description | Ctn Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | SX200G | Manual Air Relief | 10 | 1 |
| 2 | SX200Z5 | O-Ring | 50 | 1 |
| 3 | SX244K | Top Closure Dome | 5 | 1 |
| 4 | GMX600F | Tank O-Ring | 100 | 1 |
| 5a | GMX600NM | Flange Clamp (S210S, S244S) | 20 | 1 |
| 5b | SX310N | Flange Clamp (S310S) | 5 | 1 |
| 6a | SX210AA2FW | S210S Filter Tank with Drain Cap and Base | 1 | 1 |
| 6b | SX244AA2FW | S244S Filter Tank with Drain Cap and Base | 1 | 1 |
| 6c | SX310AA2FW | S310S Filter Tank with Drain Cap and Base | 1 | 1 |
| 7 | SX244G | Top Diffuser Assembly | 5 | 1 |
| 8a | SX210CD1FW | Top Elbow Assembly, S210S | 1 | 1 |
| 8b | SX244CD1FW | Top Elbow Assembly, S244S | 2 | 1 |
| 8c | SX310CD2FW | Top Elbow Assembly, S310S | 2 | 1 |
| 9a | SX210CD2FW | Bottom Elbow Assembly, S210S | 5 | 1 |
| 9b | SX244CD2FW | Bottom Elbow Assembly, S244S | 2 | 1 |
| 9c | SX310CD2FW | Bottom Elbow Assembly, S310S | 2 | 1 |
| 10a | SX200QNPAK10 | S210S Pivot/Ball Lateral (Set of 10) | 10 | 1 |
| 10b | SX240DNPAK10 | S244S Pivot/Ball Lateral (Set of 10) | 10 | 1 |
| 10c | SX310HNPAK10 | S310S Pivot/Ball Lateral (Set of 10) | 10 | 1 |
| 11a | SX242MA | Folding Umbrella Lateral Holder Assembly (S210S, 1997- ) See Diagram A | 1 | 1 |
| 11b | SX242MA1 | Folding Umbrella Lateral Holder Assembly (S244S, 1999- ) See Diagram A | 1 | 1 |
| 11c | SX242MA2 | Folding Umbrella Lateral Holder Assembly (S310S, 1999- ) See Diagram A | 1 | 1 |
| 12a | CX3000Z2 | Plastic Air Tube (S210S) | 50 | 1 |
| 12b | CX1100Z4 | Plastic Air Tube (S244S) | 10 | 1 |
| 12c | SX200Z1 | Plastic Air Tube (S310S) | 1 | 1 |
| 13 | SX200Z2 | Air Tube Lock Screw | 10 | 1 |
| 14a | SX180HG | Drain Cap Kit (2005 and Prior) | 25 | 1 |
| — | SX200H | Bottom Drain Screen (2005 and Prior) | 10 | 1 |
| 14b | SX180LA | Drain Cap Kit (See Diagram) | 25 | 1 |
| 15a | SX200J | Filter Support Stand (S210S, S244S) | 1 | 1 |
| 15b | SX310J | Filter Support Stand (S310S) | 1 | 1 |
| 16a | SP0710X62 | Vari-Flo Valve Assembly – 1 ½" FIP | 1 | 1 |
| 16b | SP0715X62 | Vari-Flo Valve Assembly – 2" FIP | 1 | 1 |
| 17 | SX200Z4PAK2 | Valve/Union O-Ring (Set of 2) | 25 | 1 |
| 18 | ECX270861 | Pressure Gauge | 50 | 1 |
| 19a | SX360Z1 | O-Ring | 25 | 4 |
| 19b | SX244Z1 | Square Seal | 25 | 2 |
| 20 | SX360E | O-Ring Spacer (after 1995) | 10 | 2 |
| 21a | SX244P | Bulkhead Fitting (after 1996) – Replaced by SX244PX | 10 | 2 |
| 21b | SX244PX | Bulkhead Fitting with Seal | 10 | 2 |
| **S200PAK 3 System Base** | | | | |
| 22 | ECX1291 | Standard Pump/Filter Mounting Base | 1 | 1 |
| 23 | SPX1480A | Union Ball End | 10 | 1 |
| 24 | SPX1480C | Union Nut | 10 | 1 |
| 25 | SPX1425Z6 | O-Ring | 25 | 1 |
| 26 | SPX1485B3 | Union Elbow with Compression Assembly | 10 | 1 |
| 27 | SPX1485G | Compression Gasket | 1 | 1 |
| 28 | ECX1161Z2 | Mounting Screw Set with Washers | 10 | 2 |
| 29 | SPX1485DA | Compression Fitting with Gasket | 25 | 1 |
| **Optional** | | | | |
| 30 | ECX270861 | Pressure Gauge | 50 | 1 |
| 31 | DEX2400S | Relief Valve/Gauge Adapter Assembly | 100 | 1 |

# ProSeries™

(W3)S180T, (W3)S210T, (W3)S220T, S220T2, S230T, (W3)S244T, (W3)S244T2, (W3)S270T SAND FILTER SERIES REPLACEMENT PARTS

## Parts Diagram



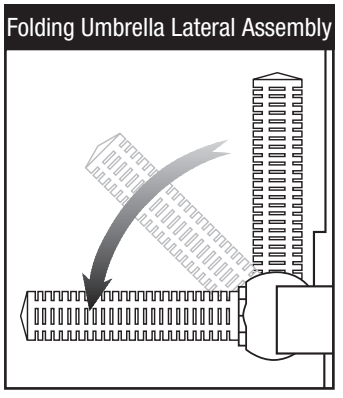
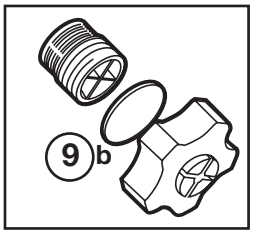




Diagram A



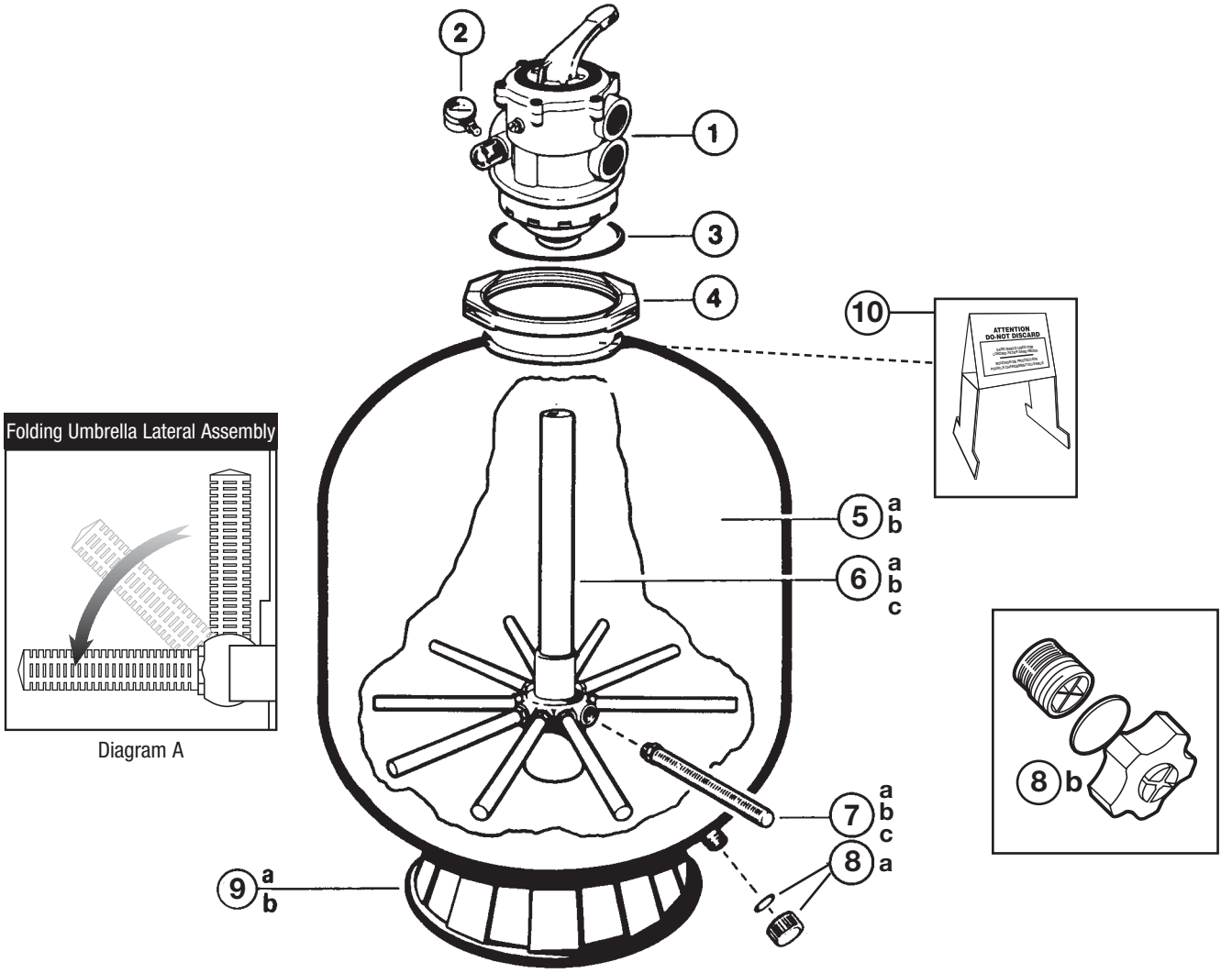
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|---|
| 1a | SP0714T | Vari-Flo XL Control Valve – 1 1/2" | 1 | 1 |
| 1b | SP071620T | Vari-Flo XL Control Valve – 2" | 1 | 1 |
| 2 | ECX270861 | Pressure Gauge | 50 | 1 |
| 3 | GMX600F | Valve/Tank O-Ring | 100 | 1 |
| 4 | GMX600NM | Flange Clamp | 20 | 1 |
| 5 | SX202S | Sand Shield – 2004 Corrugated Design | 25 | 1 |
| 6a | SX180DA | Folding Lateral Assembly with Center Pipe (S180T) (1997- ) | 1 | 1 |
| 6b | SX210DA | Folding Lateral Assembly with Center Pipe (S210T) (1997- ) | 1 | 1 |
| 6c | SX220DA | Folding Lateral Assembly with Center Pipe (S220T) (1997- ) | 1 | 1 |
| 6d | SX230DA | Folding Lateral Assembly with Center Pipe (S230T) (2003- ) | 1 | 1 |
| 6e | SX244DA | Folding Lateral Assembly with Center Pipe (S244T, S270T) (1997- ) | 1 | 1 |
| 6f | SX244DA2X | Folding Lateral Assembly with Center Pipe (S244T2) | 1 | 1 |
| 7a | SX180AA2 | Filter Tank with Skirt, Drain, Lateral Assembly (S180T) | 1 | 1 |
| 7b | SX210AA1 | Filter Tank with Skirt, Drain, Lateral Assembly (S210T) | 1 | 1 |
| 7c | SX220AA1 | Filter Tank with Skirt, Drain, Lateral Assembly (S220T) | 1 | 1 |
| 7d | SX244AA1 | Filter Tank with Skirt, Drain, Lateral Assembly (S244T) | 1 | 1 |
| 7e | SX270AA1 | Filter Tank with Skirt, Lateral Assembly (S270T) | 1 | 1 |
| 8a | SX200QPAK10 | S180T Threaded Lateral (Set of 10) | 10 | 1 |
| 8b | SX240DPAK10 | S210T, S220T, S230T, S244T Threaded Lateral (Set of 10) | 10 | 1 |
| 8c | SX200QNPAK10 | S180T Pivot/Ball Lateral (Set of 10) | 10 | 1 |
| 8d | SX240DNPAK10 | S210T, S220T, S230T, S244T Pivot/Ball Lateral (Set of 10) | 10 | 1 |
| 9a | SX180HG | Drain Cap Kit (2005 and Prior) | 25 | 1 |
| 9b | SX180LA | Drain Cap Assembly – Cap, Gasket, Screen | 25 | 1 |
| — | SX200H | Bottom Drain Screen (2005 and Prior) | 10 | 1 |
| 10 | SX200J | Filter Support Stand (Skirt) | 1 | 1 |
| 11 | SX180K | System Base – S180T Systems | 1 | 1 |

# ProSeries™

(W3)S270T2, (W3)S310T2, S360T2 SAND FILTER SERIES REPLACEMENT PARTS

## Parts Diagram and Parts Listing



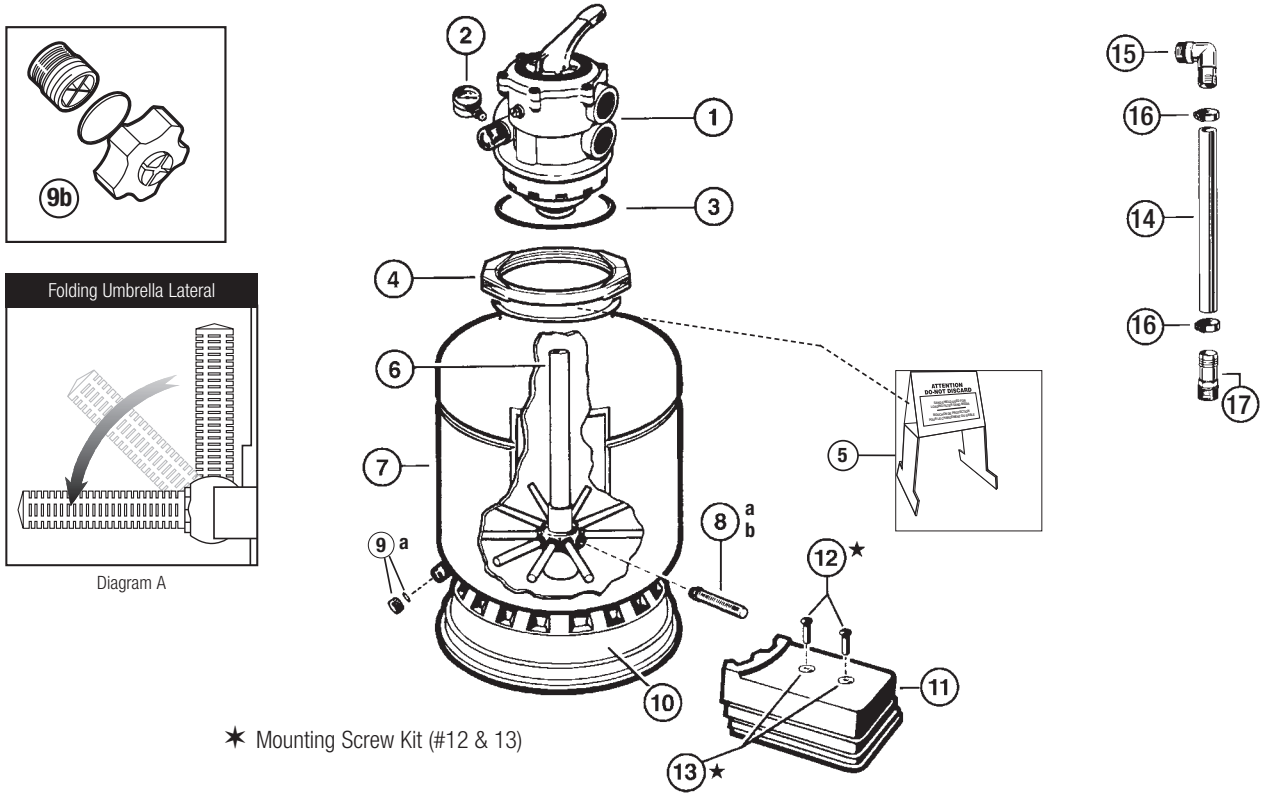

Folding Umbrella Lateral Assembly



Diagram A

| Ref. No. | Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | SP071621 | Vari-Flo Control Valve – 2" | 1 | 1 |
| 2 | ECX271261 | Pressure Gauge Back Mount | 20 | 1 |
| 3 | GMX600F | Tank O-Ring | 100 | 1 |
| 4 | GMX600NM | Flange Clamp | 20 | 1 |
| 5a | SX270AA1 | Filter Tank With Skirt, Drain and Lateral Assembly (S270T) | 1 | 1 |
| 5b | SX310AA1 | Filter Tank With Skirt, Drain and Lateral Assembly (S310T) | 1 | 1 |
| 6a | SX270DA2X | Folding Lateral Assembly with Center Pipe (S270T2) | 1 | 1 |
| 6b | SX310DA2 | Folding Lateral Assembly with Center Pipe (S310T) | 1 | 1 |
| 6c | SX360DA | Folding Lateral Assembly with Center Pipe (S360T) | 1 | 1 |
| 7a | SX240DNPAK10 | S270T Pivot/Ball Lateral (Set of 10) | 10 | 1 |
| 7b | SX310HAPAK10 | S310T & S360T Threaded Lateral (Set of 10) | 10 | 1 |
| 7c | SX310HNPAK10 | S310T & S360T Pivot/Ball Lateral (Set of 10) | 10 | 1 |
| 8a | SX180HG | Drain Cap (2005 and Prior) | 25 | 1 |
| 8b | SX180LA | Drain Cap Kit (see Diagram) | 25 | 1 |
| — | SX200H | Bottom Drain Screen (2005 and Prior) | 10 | 1 |
| 9a | SX200J | Filter Support Stand (S270T) | 1 | 1 |
| 9b | SX310J | Filter Support Stand (S310T, S360T) | 1 | 1 |
| 10 | SX202S | Sand Shield | 25 | 1 |

## Parts Diagram




## Parts Listing

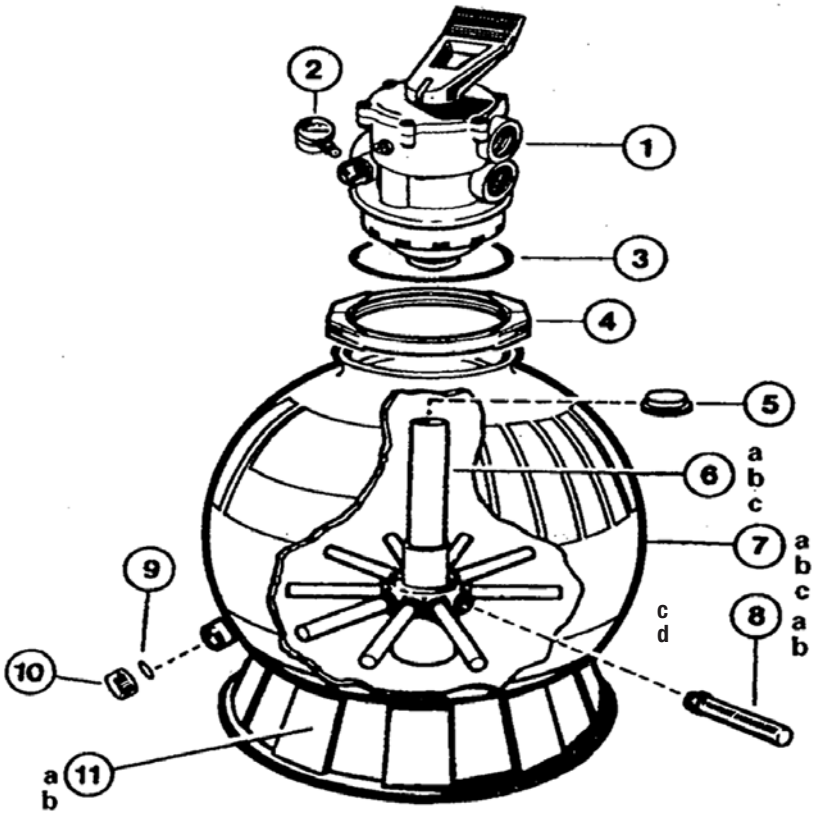
| Ref. No. | Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | SP0714T* | Vari-Flo XL Control Valve – 7 position | 1 | 1 |
| 2 | ECX270861 | Pressure Gauge | 50 | 1 |
| 3 | GMX600F | Valve/Tank O-Ring | 100 | 1 |
| 4 | GMX600NM | Flange Clamp (Valve-Tank) | 20 | 1 |
| 5 | SX202S | Sand Shield | 25 | 1 |
| 6 | SX164DA | Folding Lateral Assembly with Center Pipe (1997- ) | 1 | 1 |
| 7 | SX164AA1 | Filter Tank with Skirt, Drain and Lateral Assembly | 1 | 1 |
| 8a | SX200QPAK10 | Threaded Lateral (Set of 10) | 10 | 1 |
| 8b | SX200QNPAK10 | Pivot/Ball Lateral (Set of 10) | 10 | 1 |
| 9a | SX180HG | Drain Cap Kit – Cap and Gasket (2005 and Prior) | 25 | 1 |
| — | SX200H | Bottom Drain Screen (2005 and Prior) | 10 | 1 |
| 9b | SX180LA | Drain Cap Assembly – Cap, Gasket, Screen | 25 | 1 |
| 10 | SX164B | Filter Support Stand (Skirt) | 1 | 1 |
| 11 | SX164C | Pump Base | 2 | 1 |
| — | SX180K | System Base (S166T Series 1999- ) | 1 | 1 |
| 12 | ECX1108A | 5/16" x 3/4" Mounting Screw and 5/16" Washer (2) Kit | 10 | 1 |
| 13 | ECX1109 | 5/16" Washer | 10 | 2 |
| * | ECX1108A | 5/16" x 3/4" Mounting Screws (2) and 5/16" Washers (2) Kit (Includes #12 & 13) | 10 | 1 |
| 14 | SX160Z4 | 26" Long Hose | 1 | 1 |
| 15 | SPX1105Z4 | 1 1/2" Elbow Hose Adapter | 50 | 1 |
| 16 | ECX18028 | Hose Clamp | 25 | 2 |
| 17 | SPX1091Z2PAK2 | 1 1/2" Straight Hose Adapter (Set of 2) | 10 | 1 |

NOTE: *SP0714T Vari-Flo Control Valve used as replacement for SP0704 Valve.

# SwimPro

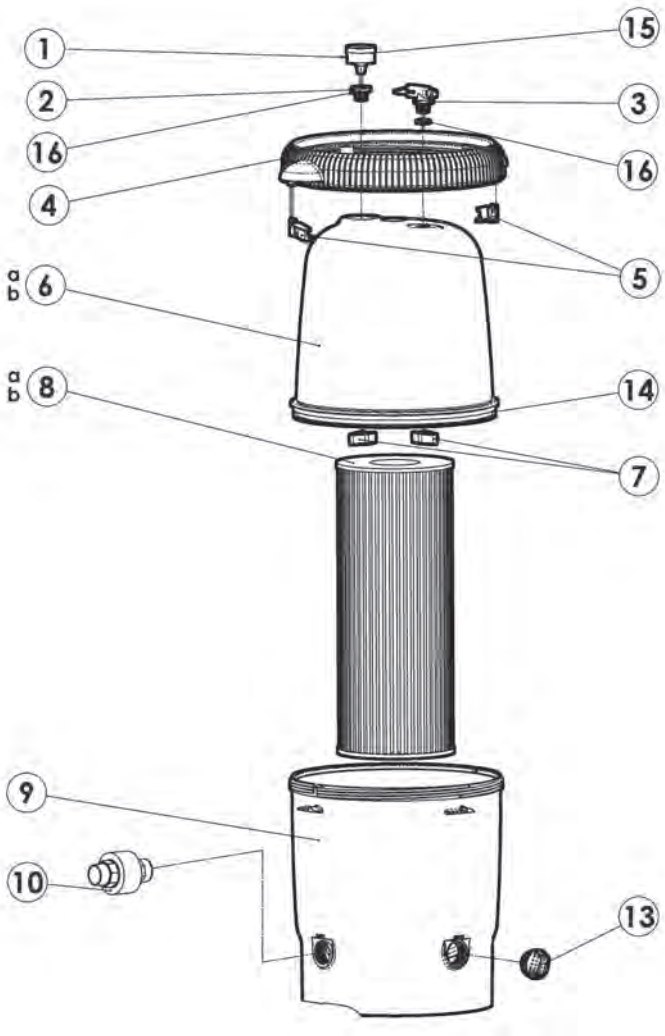
SW-196T, SW-236T, SW-256T SERIES REPLACEMENT PARTS

## Parts Diagram and Parts Listing for Models: SW-196T, SW-236T, SW-256T




| Ref. No. | Part No. | Description | No. Req'd |
|---|---|---|---|
| 1 | SP0714T | Multiport Control Valve Ass'y | 1 |
| 2 | ECX270861 | Pressure Gauge | 1 |
| 3 | GMX600F | Valve/Tank O-Ring | 1 |
| 4 | GMX600NM | Flange Clamp (Valve-Tank) | 1 |
| 5 | SX2025 | Sand Shield | 1 |
| 6a | SWX196DA2 | Lateral Assembly with Center Pipe (SW-196T) | 1 |
| 6b | SWX236DA2 | Lateral Assembly with Center Pipe (SW-236T) | 1 |
| 6c | SWX256DA2 | Lateral Assembly with Center Pipe (SW-256T) | 1 |
| 7a | SWX196AA1 | Filter Tank with Skirt and Lateral Assembly (SW-196T) | 1 |
| 7b | SWX236AA1 | Filter Tank with Skirt and Lateral Assembly (SW-236T) | 1 |
| 7c | SWX256AA1 | Filter Tank with Skirt and Lateral Assembly (SW-256T) | 1 |
| 8a | SX200QPAK10 | Lateral (SW-196T, SW-236T) - threaded - 10 pack | 1 |
| 8b | SX240DPAK10 | Lateral (SW-256T) - threaded - 10 pack | 1 |
| 8c | SX200QNPAK10 | Lateral (Ball Style) SW196T, SW236T - 10 pack | 1 |
| 8d | SX240DNPAK10 | Lateral (Ball Style) SW256T - 10 pack | 1 |
| 9&10a | SX180HG | Gasket/Drain Cap (2005 and prior) | 1 |
| 9&10b | SX180LA | Drain Cap Assembly - cap, gasket, screen | 1 |
| 11a | SX164B | Filter Support Stand (SW-196T) | 1 |
| 11b | SX200J | Filter Support Stand (SW-236T, SW-256T) | 1 |

## Parts Diagram




## Parts Listing

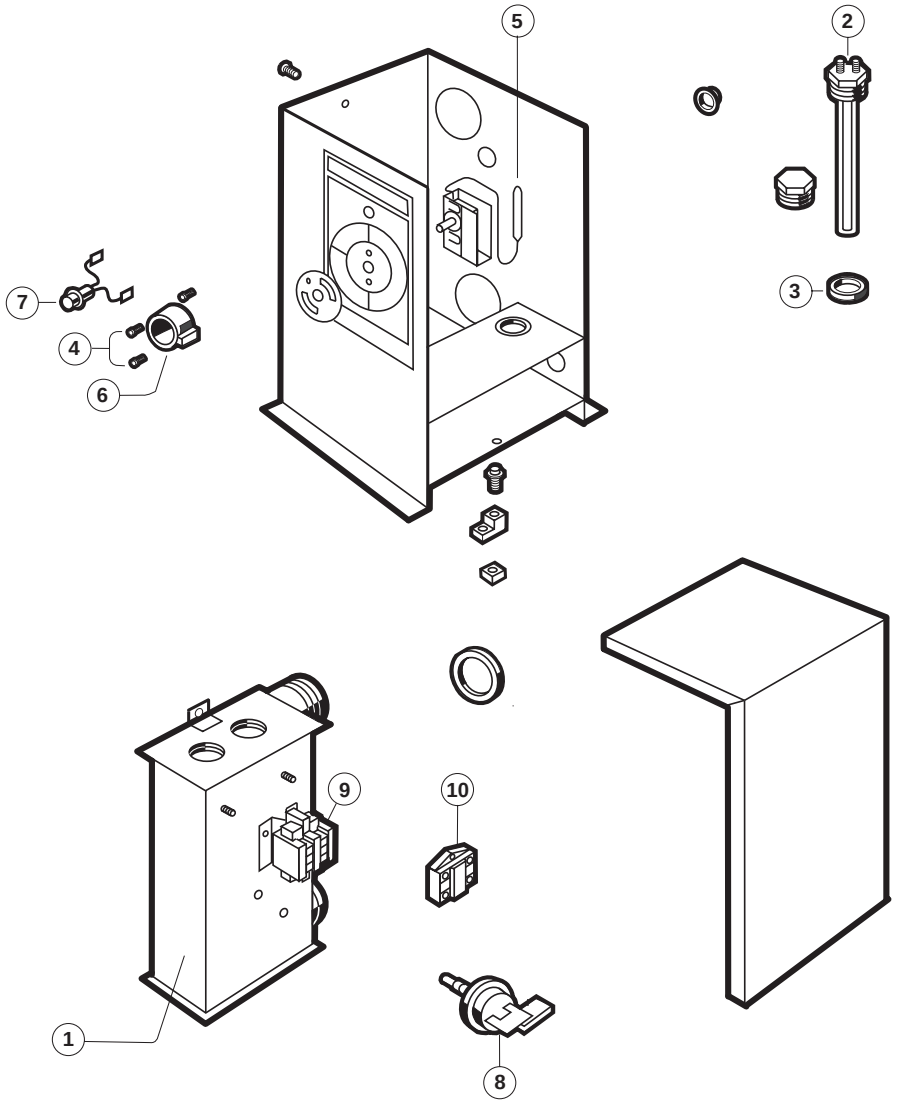
| Ref. No. | Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | ECX27091 | Pressure Gauge | 10 | 1 |
| 2 | CCX1000L | Threaded Adapter for Pressure Gauge | 10 | 1 |
| 3 | CCX1000V | Air Relief Assembly w/O-Ring | 10 | 1 |
| 4 | CCX1000D | Lock Ring Assembly w/2 Safety Clips | 1 | 1 |
| 5 | CCX1000H | Safety Clips for Lock Ring (Pack of 2) | 10 | 2 |
| 6a | CCX2000C | Filter Lid w/Lock Ring, 200 sq. ft. for CC200CAN | 1 | 1 |
| 6b | CCX1500C | Filter Lid w/Lock Ring, 150 sq. ft. for CC150CAN | 1 | 1 |
| 7 | CCX1000N | Adapter Nut (Set of 2) | 10 | 2 |
| 8a | CCX2000RE | Cartridge Element, 200 sq. ft. for CC200CAN | 1 | 1 |
| 8b | CCX1500RE | Cartridge Element, 150 sq. ft. for CC150CAN | 1 | 1 |
| 9 | CCX1000B | Filter, Lower Body | 1 | 1 |
| 10 | SP1480BLK | Self Aligning Union, Black (optional) | 50 | 1 |
| 13 | SP1022CBLK | Drain Plug w/O-Ring, Threaded 1 ½" (Black) | 100 | 1 |
| 14 | CCX1000G | Body O-Ring | 2 | 1 |
| 15 | SPX1500W | Pressure Gauge O-Ring | 10 | 1 |
| 16 | CCX1000Z5 | O-Ring for Gauge Adapter and Air Relief | 10 | 2 |

# 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 |

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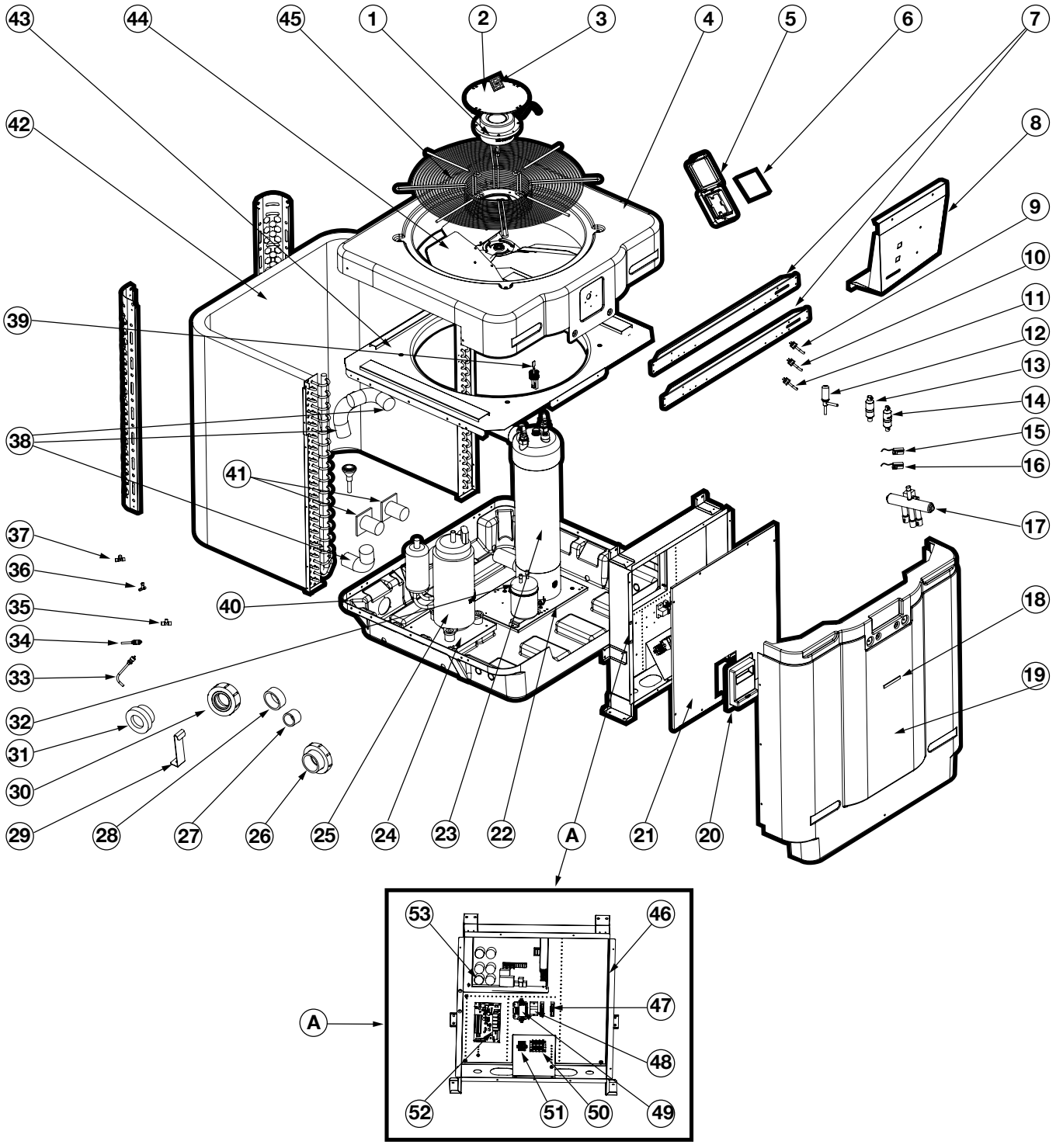
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# HP50951T

IN-GROUND POOL AND SPA REPLACEMENT PARTS



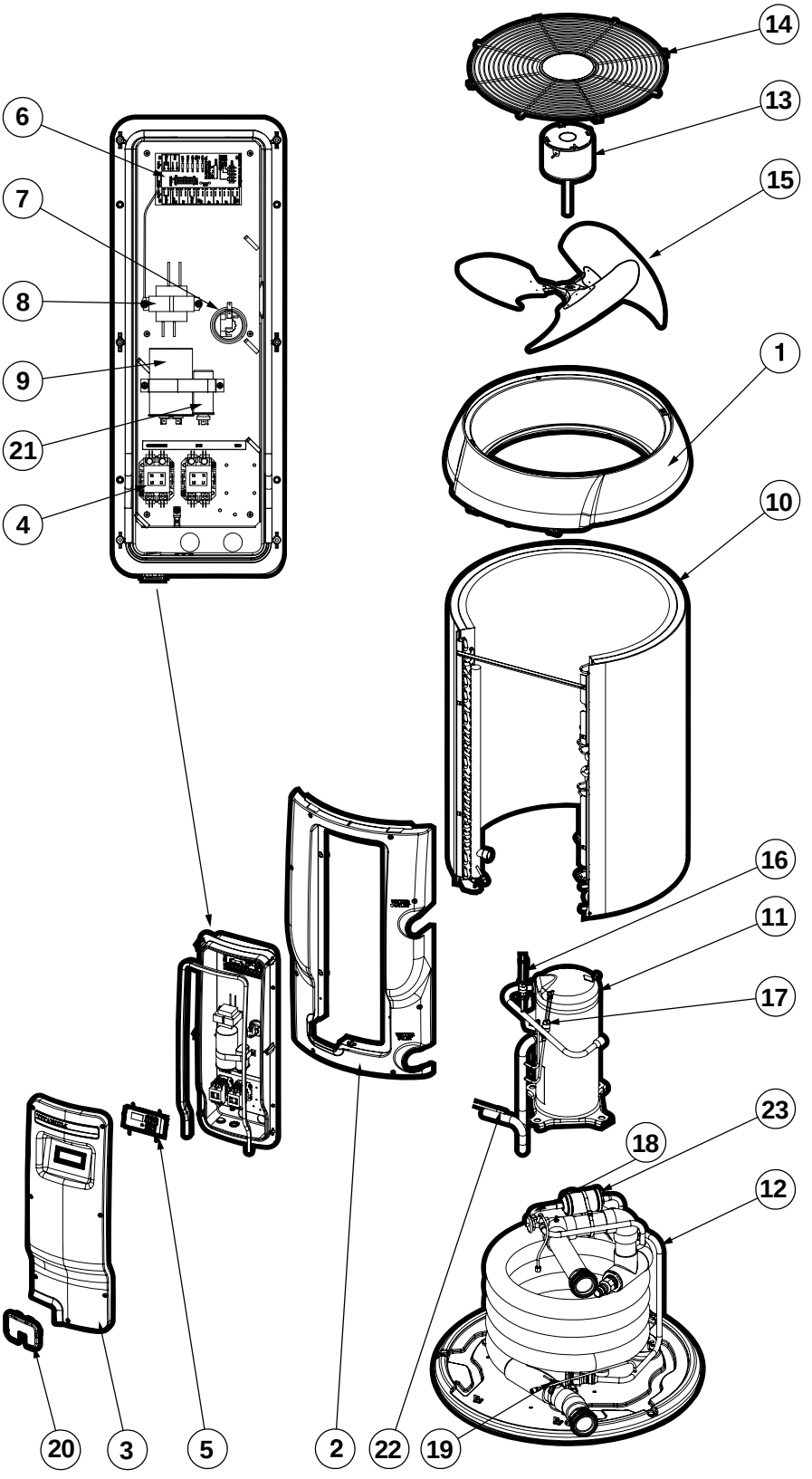
## Parts Listing: HP50951T & HP50952T



## Parts Listing: HP50951T & HP50952T

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX20000390223 | Axial Flow Fan Motor |
| 2 | HPX20000220320 | Cover Plate |
| 3 | HPX83700122 | The Trademark |
| 4 | HPX80900744 | The Top |
| 5 | HPX80900320 | Rain Guard |
| 6 | HPX82300038 | CP203 |
| 7 | HPX80705635 | The Beam |
| 8 | HPX32004210137 | The Fan Guard |
| 9 | HPX20000360187 | Pressure Switch |
| 10 | HPX20000360052 | Pressure Switch |
| 11 | HPX20000360054 | Pressure Switch |
| 12 | HPX20000140401 | Electronic Expansion Valve |
| 13 | HPX20000140027 | The Filter |
| 14 | HPX2004-1444 | The Filter |
| 15 | HPX2000-3242 | Thermistor |
| 16 | HPX20003223 | Thermistor |
| 17 | HPX20011491 | Four-Way Valve |
| 18 | HPX83700118 | The Trademark |
| 19 | HPX80900745 | The Front Panel |
| 20 | HPX20000220247 | The Junction Box Body |
| 21 | HPX80705636 | Electrical Plate |
| 22 | HPX32004210135 | Titanium Pipe Support |
| 23 | HPX32016120011 | Titanium Tube Heat Exchanger |
| 24 | HPX32004210134 | Press Stents |
| 25 | HPX20000110373 | Compressor |
| 26 | HPX81800023 | Adapter |
| 27 | HPX81800029 | Pipe |
| 28 | SPX3200UNKIT | Union |
| 29 | HPX80705641 | Fixed Bracket |
| 30 | HPX81800025 | Nut |
| 31 | SPX3200UNADP | Butt Nipple with Gasket |
| 32 | HPX72200101-B | Liquid Storage Tank |
| 33 | HPX20000-140150 | Needle Valve |
| 34 | HPX20000-140512 | Needle Valve |
| 35 | HPX304030-00002 | Tee |
| 36 | HPX2000-1460 | Tee |
| 37 | HPX2000-1435 | Tee |
| 38 | HPX2001-1359 | The 90° Elbow |
| 39 | HPX20000-360005 | Water Flow Switch (Mould) |
| 40 | HPX80900743 | Chassis |
| 41 | HPX20031379 | Joint |
| 42 | HPX80600731 | Finned Heat Exchanger |
| 43 | HPX32015210035 | Top Support Plate Component |
| 44 | HPX20000270057 | Axial Flow Fan |
| 45 | HPX80700160 | Fan Nets with Plastic Cover |
| 46 | HPX80707055 | Electrical Box Liner |
| 47 | HPX2000-3909 | Two Socket |
| 48 | HPX20000-360297 | Relay |
| 49 | HPX20000-360006 | Single Phase AC Contactor |
| 50 | HPX20000390223 | Three Terminal Blocks |
| 51 | HPX20000390046 | Terminal |
| 52 | HPX95005-310569-B | PC1002 |
| 53 | HPX82300018 | Variable Frequency Driver Module |

Parts Diagram: HP20654T, HP20654BT, HP20854BT, HP20854T, HP21104T, HP21104TC



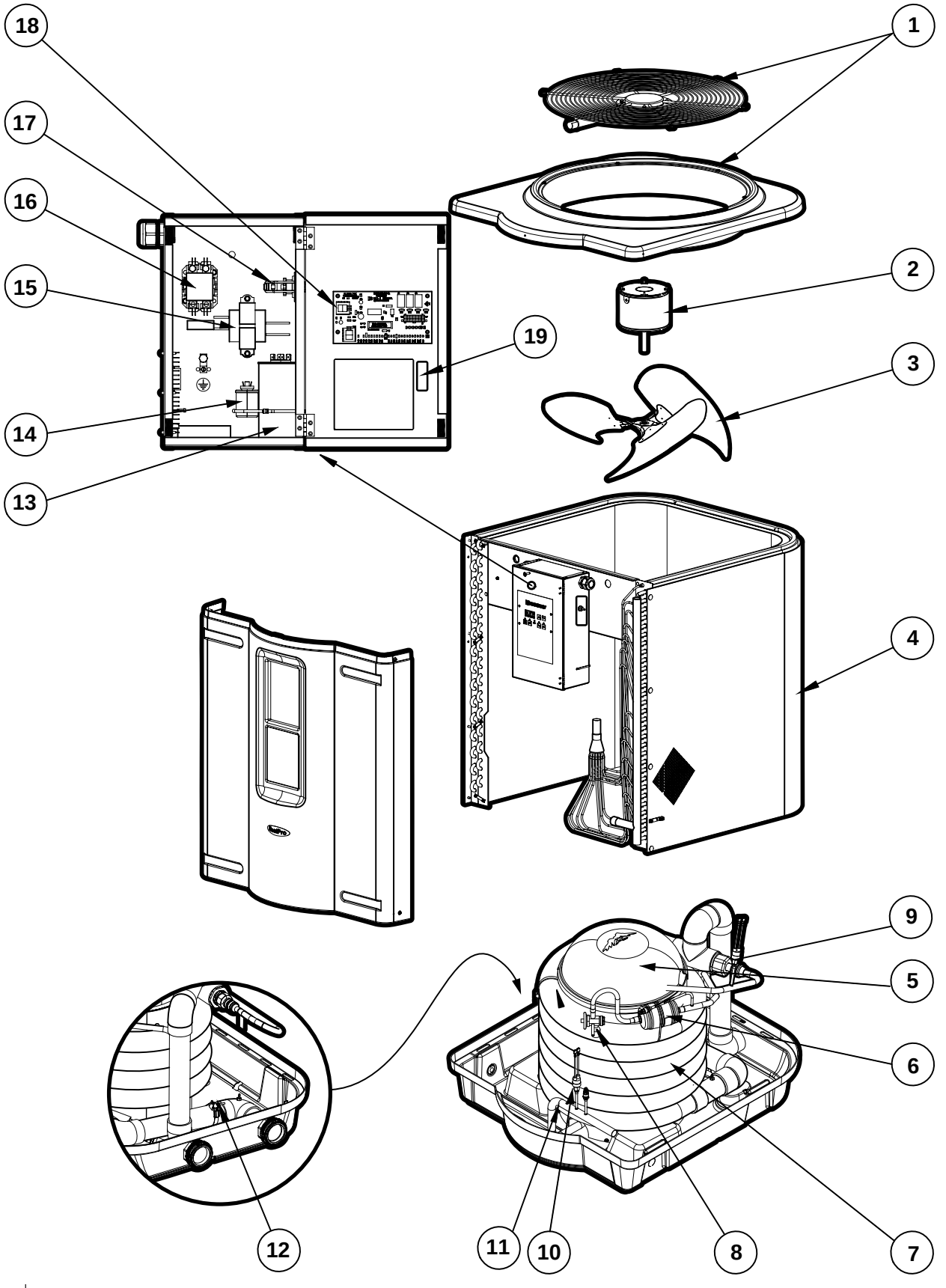
## Parts Listing: HP20654T, HP20654BT, HP20854T, HP20854BT, HP21104T, HP21104TC

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX01023502 | Fan Top for HP20654T, HP20854T, HP21104T and HP21104TC |
| 2 | HPX01023503 | Side Panel for HP20654T, HP20854T, HP21104T and HP21104TC |
| 3 | HPX01023505 | Control Box Cover |
| 4 | HPX1985 | Contactor |
| 5 | HPX26024139 | Control Board Assembly |
| 6 | HPX11024130 | Interface Board |
| 7 | HPX2181 | Water Pressure Switch |
| 8 | HPX11023693 | Transformer |
| 9 | HPX11024270 | Compressor Run Capacitor for HP20654T and HP20654BT |
| 9 | HPX11024272 | Compressor Run Capacitor for HP20854T and HP20854BT |
| 9 | SMX11022320 | Compressor Run Capacitor for HP21104T and HP21104TC |
| 10 | HPX24024238 | Bent Coil with Guard for HP20654T and HP20854T |
| 10 | HPX24024241 | Bent Coil with Guard for HP21104T and HP21104TC |
| 11 | HPX11024204 | Compressor for HP20854T and HP20854BT |
| 11 | SMX11012753** | Compressor for HP21104T and HP21104TC |
| 12 | HPX24012850 | Condenser for HP21104T |
| 12 | HPX24012851 | Condenser for HP21104TC |
| 12 | HPX24024712 | Condenser for HP20654T, HP20854T, HP20654BT and HP20854BT |
| 13 | HPX11023564 | Fan Motor, 1/3 H.P. |
| 14 | HPX01023561 | Fan Guard |
| 15 | HPX15024321 | Fan Blade |
| 16 | HPX11024258 | High Pressure Switch |
| 17 | HPX11024259 | Low Pressure Switch |
| 18 | HPX15012843 | Thermostatic Expansion Valve for HP20854T and HP20854BT |
| 18 | HPX15012842* | Thermostatic Expansion Valve for HP21104T and HP21104TC |
| 18 | HPX15012852** | Thermostatic Expansion Valve for HP21104T and HP21104TC |
| 19 | HPX2169 | Temperature Sensor |
| 20 | HPX01023760 | Electrical Entry Plug |
| 21 | HPX11024151 | Fan Run Capacitor |
| 22 | HPX11024169 | Defrost Sensor |
| 23 | HPX1462 | Filter Drier |
| **NOT PICTURED** | | |
| — | HPX10023517 | HPC Cable |
| — | HPX02024108 | Compressor Blanket |
| — | HPX10024732 | Compressor Electrical Plug for HP20654T and HP20654BT |
| — | HPX10024289* | Compressor Electrical Plug for HP20854T, HP21104T and HP20854BT and HP21104TC |
| — | HPX10024732** | Compressor Electrical Plug for HP21104T and HP21104TC |
| — | SMX15026191 | Hot Gas Bypass Valve for HP21104TC |
| — | SMXHP2215 | Hose Barb Service Kit |

**NOTES:** *Used on units prior to s/n 21131410102317001

**Used on units after s/n 21131410102458001

## Parts Diagram: HP21404T, HP21404TC, HP21004T, HP21254T, HP21124T



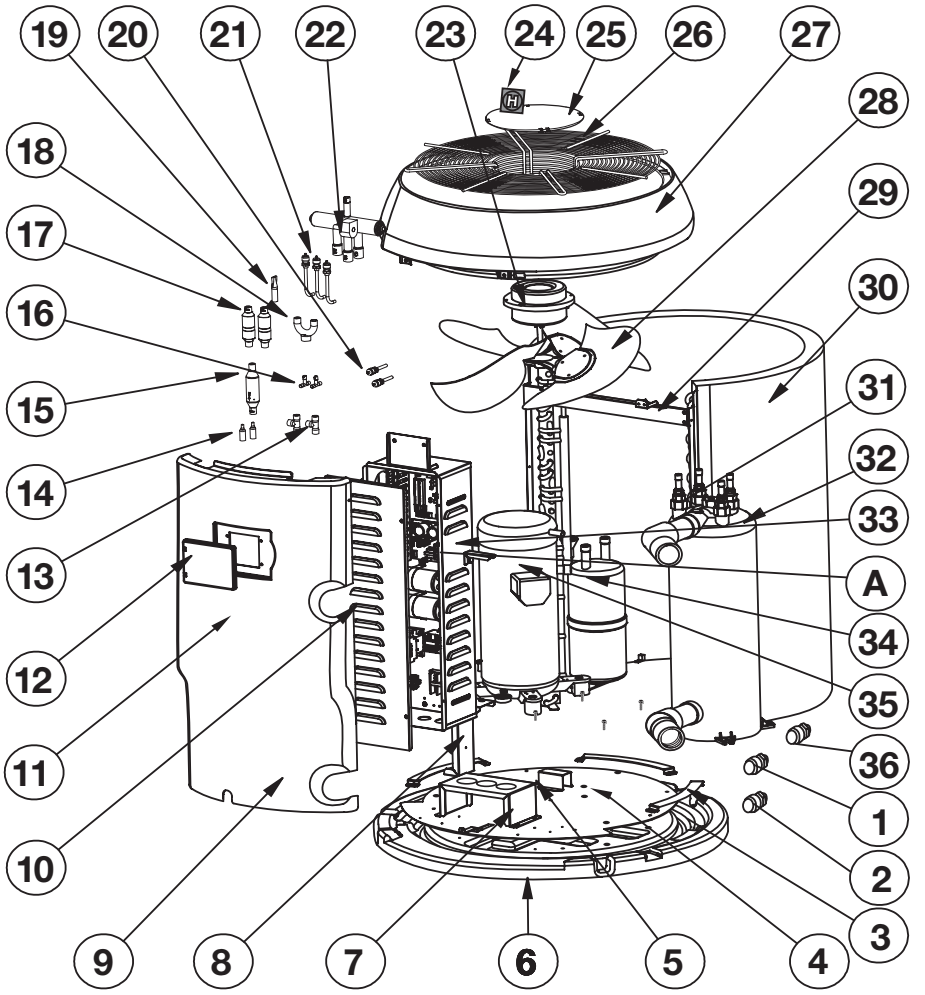
## Parts Listing: HP21404T, HP21404TC, HP21004T, HP21254T, HP21124T

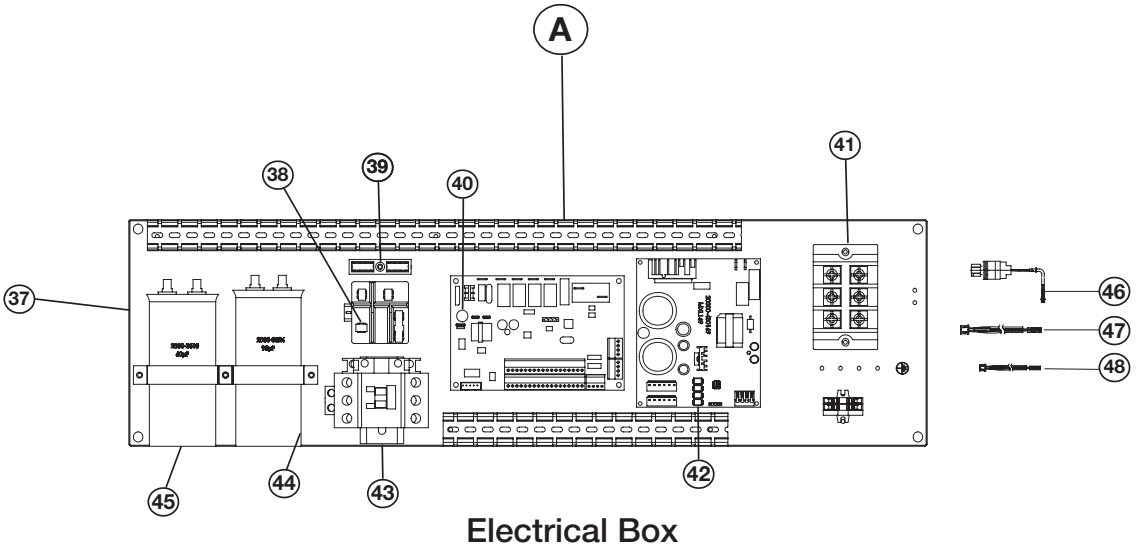
| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | SMX309077011 | Top Panel – Taupe with Guard |
| 2 | SMX300055036 | Fan Motor |
| 3 | SMX303140003 | Fan Blade |
| 4 | SMX305099004 | Evaporator for HP21404T, HP21404TC |
| | SMX24024408 | Evaporator for HP31154T, HP21254T, HP21124T and HP31204T |
| | SMX24024414 | Evaporator for HP21004T |
| 5 | SMX11017204 | Compressor for HP21004T prior to serial number 21131501105230001 |
| | SMX301150010 | Compressor for HP21124T prior to serial number 21131501102140001 |
| | SMX11024201 | Compressor for HP21254T prior to serial number 21131405101250001 |
| | SMX11024201 | Compressor for HP21404T prior to serial number 21131404105240001 |
| | SMX301150010 | Compressor for HP31154T |
| | SMX11012754 | Compressor for HP31204T |
| | SMX11012751 | Compressor for HP21004T after serial number 21131501105230001 |
| | SMX11012753 | Compressor for HP21124T after serial number 21131501102140001 |
| | SMX11012755 | Compressor for HP21254T after serial number 21131405101250001 |
| | SMX11012755 | Compressor for HP21404T after serial number 21131404105240001 |
| | SMX10024715 | Compressor Plug (not shown) for HP21004T prior to serial number 21131501105230001 |
| | SMX10024715 | Compressor Plug (not shown) for HP21124T prior to serial number 21131501102140001 |
| | SMX10024715 | Compressor Plug (not shown) for HP21254T prior to serial number 21131405101250001 |
| | SMX10024715 | Compressor Plug (not shown) for HP21404T prior to serial number 21131404 105240001 |
| | SMX10024715 | Compressor Plug (not shown) for HP31154T |
| | SMX10024899 | Compressor Wire Harness (not shown) for HP31204T |
| | SMX10022329 | Compressor Plug (not shown) for HP21004T after serial number 21131501105230001 |
| | SMX10022329 | Compressor Plug (not shown) for HP21124T after serial number 21131501102140001 |
| | SMX10022329 | Compressor Plug (not shown) for HP21254T after serial number 21131405101250001 |
| | SMX10022329 | Compressor Plug (not shown) for HP21404T after serial number 21131404105240001 |
| 6 | HPX1462 | Filter – Drier for all except HP31204T and HP31154T |
| 7 | SMX24024864 | Heat-Exchanger for HP21404T |
| | SMX24024942 | Heat-Exchanger for HP31154T |
| | SMX24022372 | Heat Exchanger for HP21004T |
| | SMX24024509 | Heat Exchanger for HP21124T prior to serial number 21131708100361001 |
| | SMX2401347101 | Heat Exchanger for HP21124T after serial number 21131708100361001 |
| 8 | SMX15024595 | Thermal Expansion Valve (TXV) for HP21004T prior to serial number 21131501105230001 |
| | SMX15024595 | Thermal Expansion Valve (TXV) for HP21124T prior to serial number 21131501102140001 |
| | SMX15024595 | Thermal Expansion Valve (TXV) for HP31154T |
| | SMX15024595 | Thermal Expansion Valve (TXV) for HP31204T |
| | SMX15012865 | Thermal Expansion Valve (TXV) for HP21004T after serial number 21131501105230001 |
| | SMX15022368 | Thermal Expansion Valve (TXV) for HP21124T after serial number 21131501102140001 |
| | SMX15024595 | Thermal Expansion Valve (TXV) for HP212541 after serial number 21131405101250001 |
| | SMX15024916 | Thermal Expansion Valve (TXV) for HP21404T after serial number 21131404105240001 |
| 9 | HPX11024258 | High Pressure Switch |
| 10 | HPX11024259 | Low Pressure Switch |
| 11 | SMX306000023 | Defrost Sensor |
| 12 | SMX306000024 | Water Temperature Sensor for HP21404T, HP21004T, HP21254T and HP21124T |
| | SMX11024957 | Water Temperature Sensor for HP31154T and HP31204T |
| 13 | SMX11022320 | Compressor Run Capacitor |
| 14 | HPX11024151 | Fan Capacitor |
| 15 | HPX11023693 | Transformer |
| 16 | HPX1985 | Contactor |
| 17 | HPX2181 | Water Pressure Switch |
| 18 | SMX306000016 | Control Board for HP21404T, HP21004T, HP21124T and HP21254T |
| 19 | SMX1101191101 | Master On/Off Switch |
| NOT PICTURED | | |
| — | SMX14024927 | Consumer Kit |

# HP31005T

HEAT PUMP REPLACEMENT PARTS

## Parts Diagram




Electrical Box

## Parts Listing

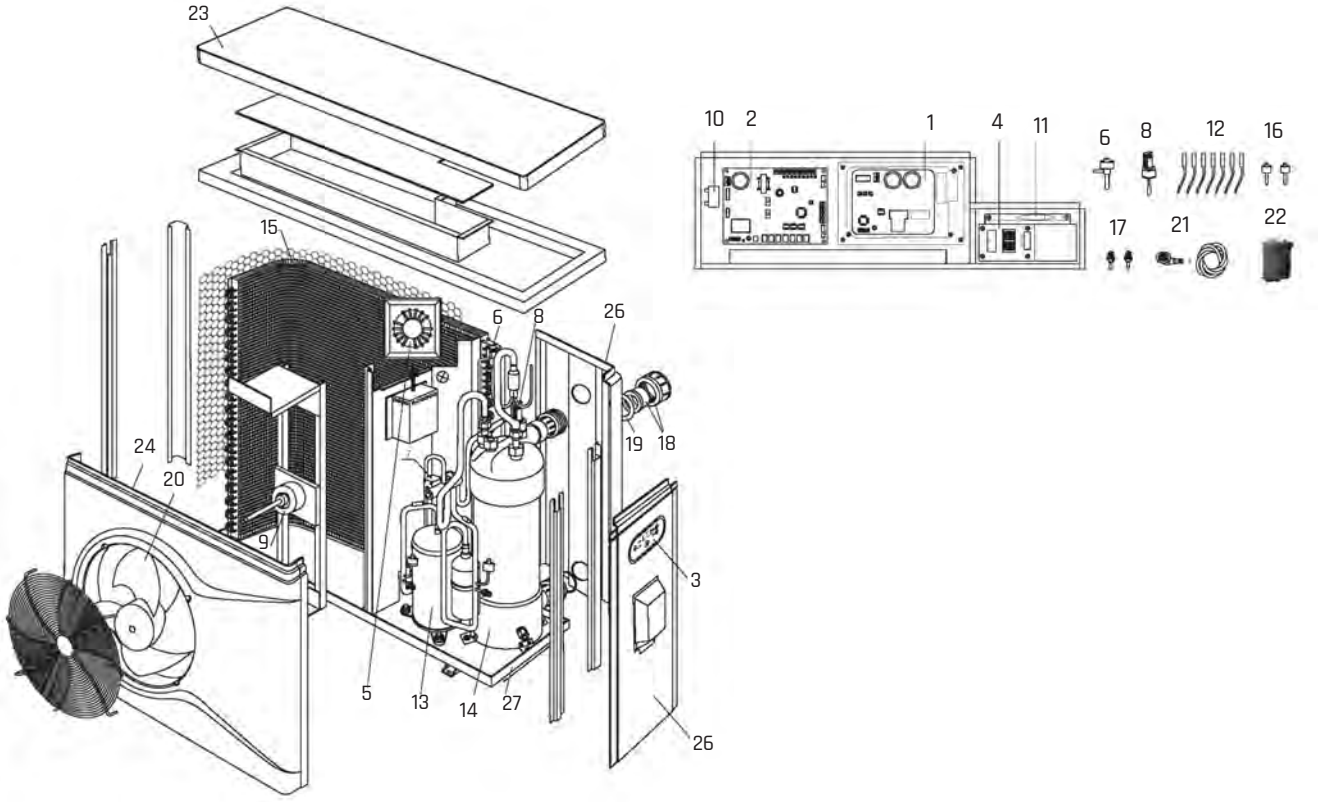
| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | HPX20000360187 | Pressure Switch | 1 |
| 2 | HPX20000360054 | Pressure Switch | 1 |
| 3 | HPX80711461 | Support Plate | 1 |
| 4 | HPX80711454 | Floor | 1 |
| 5 | HPX80711460 | Nozzle Fixing Plate | 1 |
| 6 | HPX80901110 | Chassis | 1 |
| 7 | HPX80711455 | Electrical Box Bracket | 1 |
| 8 | HPX80711459 | Filter Support | 1 |
| 9 | HPX80901109 | Front Panel | 1 |
| 10 | HPX80711456 | Electrical Box Cover | 1 |
| 11 | HPX83700118 | The Trademark | 1 |
| 12 | HPX72200348 | LED302 | 1 |
| 13 | HPX2000-1449 | Tee | 2 |
| 14 | HPX20000-140085 | Reducing Diameter | 2 |
| 15 | HPX20011497 | Check Valve | 1 |
| 16 | HPX2000-1460 | Tee | 2 |
| 17 | HPX20000140027 | Filter | 2 |
| 18 | HPX81500341 | Tee | 1 |
| 19 | HPX20000-140147 | Reducing Diameter | 1 |
| 20 | HPX20000-140150 | Needle | 2 |
| 21 | HPX20000-140512 | Needle | 3 |
| 22 | HPX20011491 | Four-Way Valve | 1 |
| 23 | HPX20000330381 | Fan Motor | 1 |
| 24 | HPX83700122 | The Trademark | 1 |
| 25 | HPX20000220320 | Motor Cover Plate | 1 |
| 26 | HPX80710856 | Fan Protection Net | 1 |
| 27 | HPX80901118 | Cover | 1 |
| 28 | HPX80300033 | Fan | 1 |
| 29 | HPX80712127 | Fin Fixing Plate | 1 |
| 30 | HPX80601153 | Fin Heat Exchanger | 1 |
| 31 | HPX83000069 | Water Flow Switch | 1 |
| 32 | HPX80601154 | Titanium Heat Exchanger | 1 |
| 33 | HPX80711453 | Electrical Box | 1 |
| 34 | HPX35051405 | Gas Liquid Separator | 1 |
| 35 | HPX20000110040 | Compressor | 1 |
| 36 | HPX20000360052 | Pressure Switch | 1 |
| 37 | HPX80711457 | Electrical Box Liner | 1 |
| 38 | HPX20000360035 | Start Relay | 1 |
| 39 | HPX20003909 | Terminal Board (2 bit) | 1 |
| 40 | HPX220130-0016E | PC1004 | 1 |
| 41 | HPX20000390222 | Terminal Board (3 bit) | 1 |
| 42 | HPX72200052 | Speed Control Module | 1 |
| 43 | HPX82900067 | AC Contactor | 1 |
| 44 | HPX20003524 | Compressor Capacitance | 1 |
| 45 | HPX20003510 | Compressor Capacitance | 1 |
| 46 | HPX20000360306 | Pressure Sensor | 1 |
| 47 | HPX20000320145 | Temperature Sensor | 1 |
| 48 | HPX20003202 | Temperature Sensor | 1 |

# HP40BEE, HP50BEE, HP65BEE1

VARIABLE SPEED HEAT PUMP REPLACEMENT PARTS



## Parts Listing: HP40BEE, HP50BEE, HP65BEE1




## HP40BEE

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPXWSEE40CDM | Inverter Board |
| 2 | HPXWSEE50PCB | PC Board |
| 3 | HPXWSEE50IL | Oval LED |
| 4 | HPXWSEE50PFP | Power Filter Plate |
| 5 | HPXWSEE40IN | Inductor |
| 6 | HPXWSEE50EV | Electronic Expansion Valve |
| 7 | HPXWSEE50FWV | 4-Way Valve |
| 8 | HPXWS56WFW | Water Flow Switch |
| 9 | HPXWSEE50FM | Fan Motor |
| 10 | HPXWSEE50FMC | Fan Motor Capacitor |
| 11 | HPXWSEE40FUS | Fuse |
| 12 | HPXWSEE50TMP | Full set of sensors |
| 13 | HPXWSEE40CCC | Compressor |
| 14 | HPXWSEE40THE | Titanium Heat Exchanger |
| 15 | HPXWSEE40E | Evaporator |
| 16 | HPXWSEE50PPS | High & Low Pressure Protection Switch |
| 17 | HPXWSEE50PV | High & Low Pressure Valve |
| 18 | HPXWS56WN | Water Union |
| 19 | HPWS56WNG | Water Union Gasket |
| 20 | HPXWSEE40F | Fan |
| 21 | HPXWSEE50DTJ | Drainage Kit |
| 22 | HPXWSEE50ICC | Compressor Insulation Cap |
| 23 | HPXWSEE50CAB | Top Cover |
| 24 | HPXWSEE50CAB | Front Panel |
| 25 | HPXWSEE50CAB | Right Panel |
| 26 | HPXWSEE40CAB | Back Panel |
| 27 | HPXWSEE50BB | Bottom Board |

## HP50BEE

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPXWSEE50CDM | Inverter Board |
| 2 | HPXWSEE50PCB | PC Board |
| 3 | HPXWSEE50IL | Oval LED |
| 4 | HPXWSEE50PFP | Power Filter Plate |
| 5 | HPXWSEE50IN | Inductor |
| 6 | HPXWSEE50EV | Electronic Expansion Valve |
| 7 | HPXWSEE50FWV | 4-Way Valve |
| 8 | HPXWS56WFW | Water Flow Switch |
| 9 | HPXWSEE50FM | Fan Motor |
| 10 | HPXWSEE50FMC | Fan Motor Capacitor |
| 11 | HPXWSEE50FUS | Fuse |
| 12 | HPXWSEE50TMP | Full set of sensors |
| 13 | HPXWSEE50CCC | Compressor |
| 14 | HPXWSEE50THE | Titanium Heat Exchanger |
| 15 | HPXWSEE50E | Evaporator |
| 16 | HPXWSEE50PPS | High & Low Pressure Protection Switch |
| 17 | HPXWSEE50PV | High & Low Pressure Valve |
| 18 | HPXWS56WN | Water Union |
| 19 | HPWS56WNG | Water Union Gasket |
| 20 | HPXWSEE50F | Fan |
| 21 | HPXWSEE50DTJ | Drainage Kit |
| 22 | HPXWSEE50ICC | Compressor Insulation Cap |
| 23 | HPXWSEE50CAB | Top Cover |
| 24 | HPXWSEE50CAB | Front Panel |
| 25 | HPXWSEE50CAB | Right Panel |
| 26 | HPXWSEE50CAB | Back Panel |
| 27 | HPXWSEE50BB | Bottom Board |

## HP65BEE1

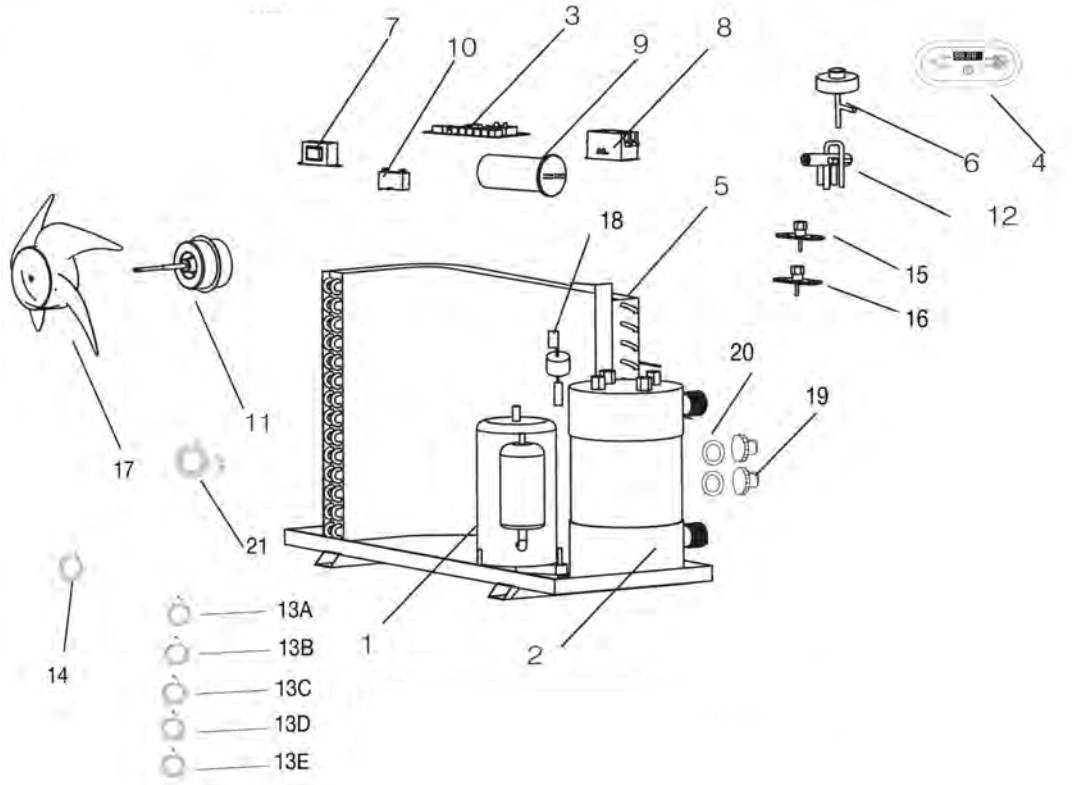
| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPXWSEE65CDM1 | Inverter Board |
| 2 | HPXWSEE50PCB | PC Board |
| 3 | HPXWSEE50IL | Oval LED |
| 4 | HPXWSEE50PFP | Power Filter Plate |
| 5 | HPXWSEE65IN1 | Inductor |
| 6 | HPXWSEE50EV | Electronic Expansion Valve |
| 7 | HPXWSEE65FWV | 4-Way Valve |
| 8 | HPXWS56WFW | Water Flow Switch |
| 9 | HPXWSEE50FM | Fan Motor |
| 10 | HPXWSEE50FMC | Fan Motor Capacitor |
| 11 | HPXWSEE65FUS | Fuse |
| 12 | HPXWSEE50TMP | Full set of sensors |
| 13 | HPXWSEE65CCC1 | Compressor |
| 14 | HPXWSEE65THE1 | Titanium Heat Exchanger |
| 15 | HPXWSEE65E | Evaporator |
| 16 | HPXWSEE50PPS | High & Low Pressure Protection Switch |
| 17 | HPXWSEE50PV | High & Low Pressure Valve |
| 18 | HPXWS56WN | Water Union |
| 19 | HPWS56WNG | Water Union Gasket |
| 20 | HPXWSEE40F | Fan |
| 21 | HPXWSEE50DTJ | Drainage Kit |
| 22 | HPXWSEE65ICC | Compressor Insulation Cap |
| 23 | HPXWSEE65CAB | Top Cover |
| 24 | HPXWSEE65CAB | Front Panel |
| 25 | HPXWSEE65CAB | Right Panel |
| 26 | HPXWSEE65CAB | Back Panel |
| 27 | HPXWSEE50BB | Bottom Board |

# HP40B, HP50B, HP65B1

HEAT PUMP REPLACEMENT PARTS



## Parts Listing: HP40B, HP50B, HP65B1




## HP40B

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPXWS40CCC | Compressor |
| 2 | HPXWS40THE | Titanium Heat Exchanger |
| 3 | HPXWS40PCB1 | PC Board Fairland |
| 4 | HPXWS40IL1 | LCD Controller Fairland |
| 5 | HPXWS40E | Evaporator |
| 6 | — | — |
| 7 | HPXWS40T | Fairland Transformer |
| 8 | HPXWS40C | Fairland Contactor |
| 9 | HPXWS40CC | Compressor Capacitor |
| 10 | HPXWS40FMC | Fan Motor Capacitor |
| 11 | HPXWS40FM | Fan Electric Motor |
| 12 | HPXWS40FWV | 4-Way Valve |
| 13A | HPXWS40TMP | Pool Water Temp Sensor |
| 13B | — | — |
| 13C | HPXWS40TMP | Heating Coil Pipe Temp Sensor |
| 13D | — | — |
| 13E | HPXWS40ETS | Exhaust Temp Sensor |
| 14 | HPXWS40ATS | Air Temp Sensor |
| 15 | HPXWS40HPS | High Pressure Valve |
| 16 | HPXWS40LPS | Low Pressure Valve |
| 17 | HPXWS40F | Fan |
| 18 | HPXWS56WFW | Water Flow Switch |
| 19 | HPXWS40WN | Quick Connect |
| 20 | HPXWS56WNG | Union Kit |
| 21 | HPXWS40DTJ | Draining Tube & Black Joint |

## HP50B

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPXWS50CCC | Compressor |
| 2 | HPXWS50THE | Titanium Heat Exchanger |
| 3 | HPXWS56PCB1 | PC Board Fairland |
| 4 | HPXWS56IL1 | LCD Controller Fairland |
| 5 | HPXWS50E | Evaporator |
| 6 | HPXWS50EV | Expansion Valve |
| 7 | HPXWS56T | Fairland Transformer |
| 8 | HPXWS56C | Fairland Contactor |
| 9 | HPXWS56CC | Compressor Capacitor |
| 10 | HPXWS50FMC | Fan Motor Capacitor |
| 11 | HPXWS50FM | Fan Electric Motor |
| 12 | HPXWS56FWV | 4-Way Valve |
| 13A | HPXWS56TMP | Pool Water Temp Sensor |
| 13B | HPXWS56TMP | Cooling Coil Pipe Temp Sensor |
| 13C | HPXWS56TMP | Heating Coil Pipe Temp Sensor |
| 13D | HPXWS56TMP | Gas Return Temp Sensor |
| 13E | — | — |
| 14 | HPXWS56ATS | Air Temp Sensor |
| 15 | HPXWS56HPS | High Pressure Valve |
| 16 | HPXWS56LPS | Low Pressure Valve |
| 17 | HPXWS50F | Fan |
| 18 | HPXWS56WFW | Water Flow Switch |
| 19 | HPXWS56WN | Quick Connect |
| 20 | HPXWS56WNG | Gaske |
| 21 | HPXWS56OR | O-Ring |

## HP65B1

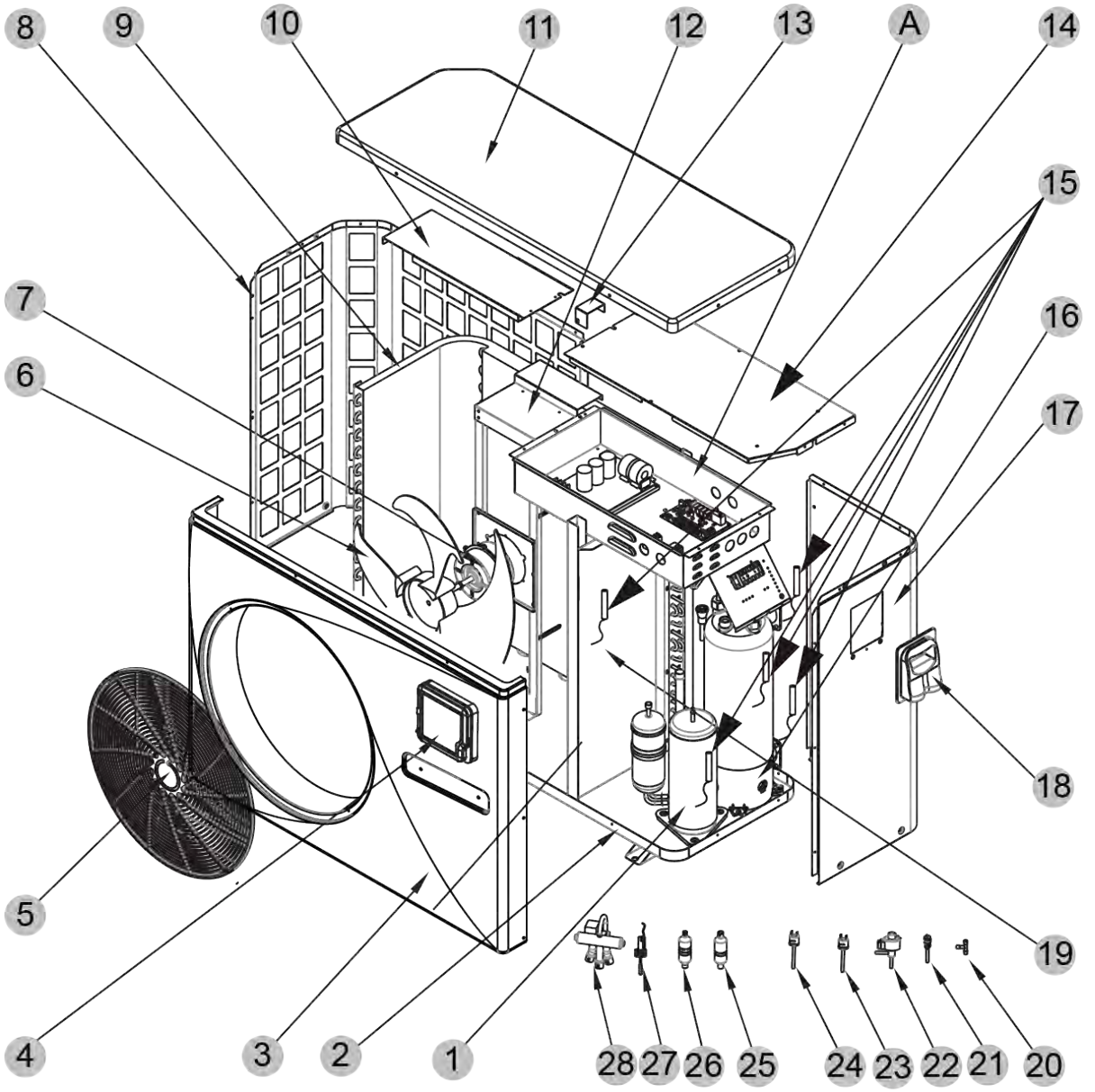
| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPXWS65CCC | Compressor |
| 2 | HPXWS65THE | Titanium Heat Exchanger |
| 3 | HPXWS56PCB1 | PC Board Fairland |
| 4 | HPXWS56IL1 | LCD Controller Fairland |
| 5 | HPXWS65E | Evaporator |
| 6 | HPXWS65EV | Expansion Valve |
| 7 | HPXWS56T | Fairland Transformer |
| 8 | HPXWS56C | Fairland Contactor |
| 9 | HPXWS56CC | Compressor Capacitor |
| 10 | HPXWS65FMC | Fan Motor Capacitor |
| 11 | HPXWS65FM | Fan Electric Motor |
| 12 | HPXWS56FWV | 4-Way Valve |
| 13A | HPXWS56TMP | Pool Water Temp Sensor |
| 13B | HPXWS56TMP | Cooling Coil Pipe Temp Sensor |
| 13C | HPXWS56TMP | Heating Coil Pipe Temp Sensor |
| 13D | HPXWS56TMP | Gas Return Temp Sensor |
| 13E | — | — |
| 14 | HPXWS56ATS | Air Temp Sensor |
| 15 | HPXWS56HPS | High Pressure Valve |
| 16 | HPXWS56LPS | Low Pressure Valve |
| 17 | HPXWS65F | Fan |
| 18 | HPXWS56WFW | Water Flow Switch |
| 19 | HPXWS56WN | Quick Connect |
| 20 | HPXWS56WNG | Union Kit |
| 21 | HPXWS56DTJ | Draining Tube & Black Joint |

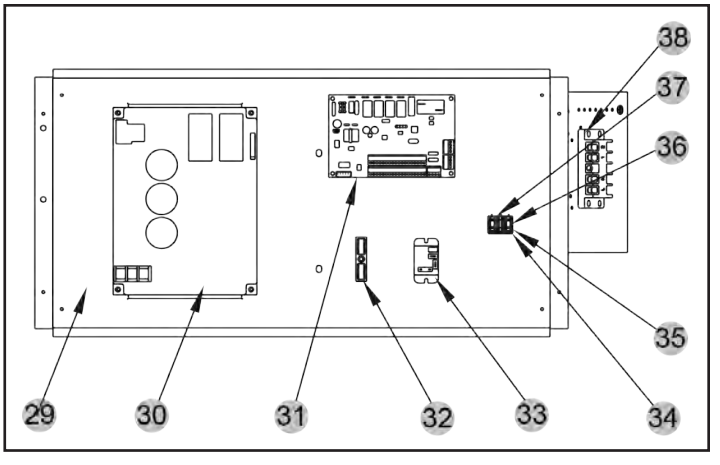
# HP50AEE

HEAT PUMP REPLACEMENT PARTS



## Parts Diagram



## Parts Listing

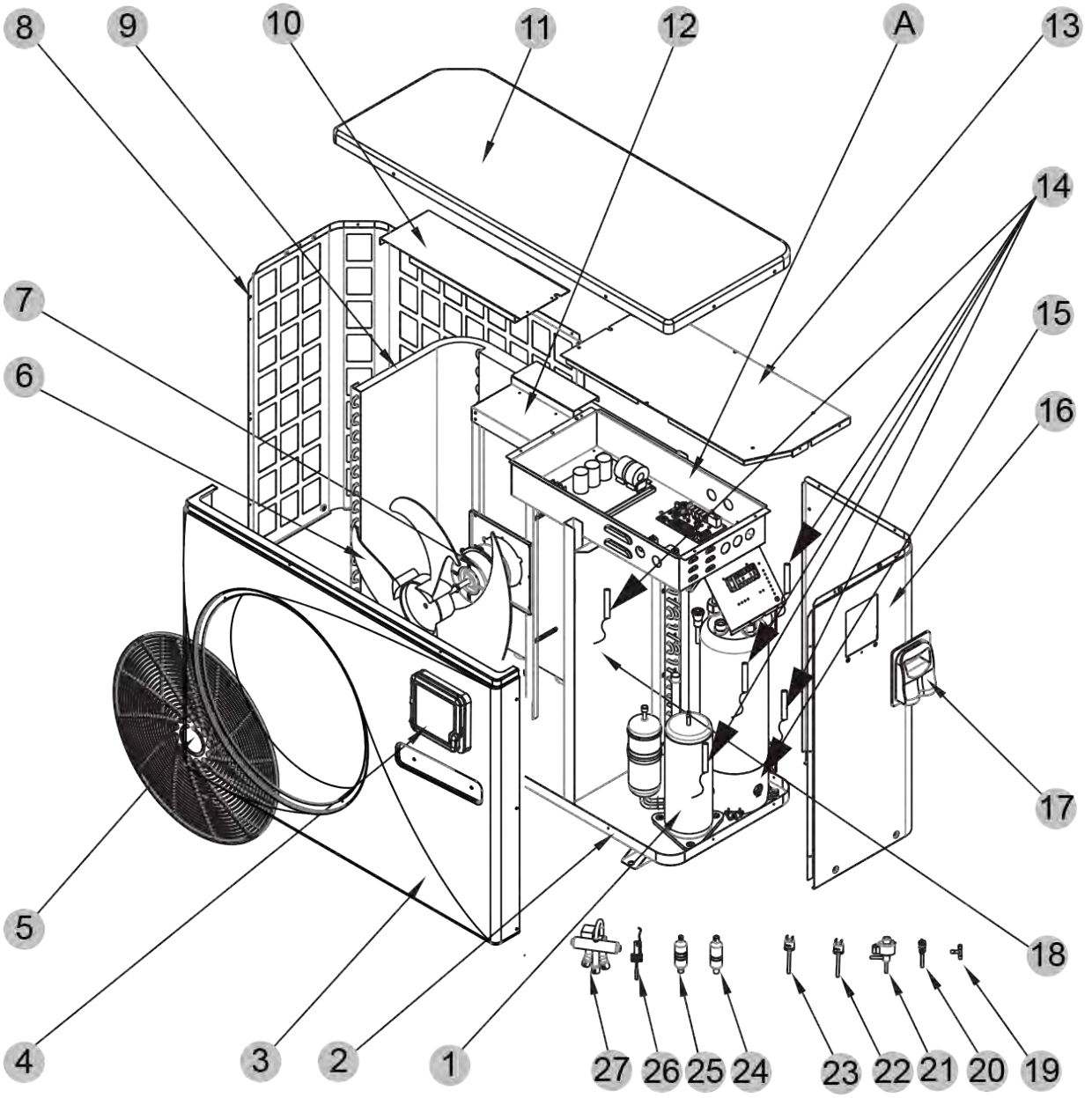
| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX20000-110436 | Compressor |
| 2 | HPX301070-20120022 | Chassis assembly |
| 3 | HPX301090-20120001 | Front frame |
| 4 | HPX72200359 | CP203 |
| 5 | HPX20000-220369 | Fan net |
| 6 | HPX20000-270004 | Axial fan blade |
| 7 | HPX20000-330132 | DC |
| 8 | HPX301070-20080006 | Left side panel |
| 9 | HPX32012-120166 | Finned heat exchanger |
| 10 | HPX32012-210493 | Support plate |
| 11 | HPX32012-210489 | Top cover |
| 12 | HPX32012-210570 | Motor bracket assembly |
| 13 | HPX32008-210167 | Condenser splint |
| 14 | HPX32012-210494 | Electrical box cover |
| 15 | HPX2000-3242 | Sensor |
| 16 | HPX301060-20120002 | Titanium tube heat exchanger |
| 17 | HPX301070-20120021 | Ride side panel |
| 18 | HPX32009-220029 | Junction box body |
| 19 | HPX32012-210796 | Middle baffle |
| 20 | HPX2000-1460 | Three links |
| 21 | HPX220000-140150 | Needle valve |
| 22 | HPX20000-140449 | Electronic expansion valve |
| 23 | HPX20000-360157 | Low pressure switch |
| 24 | HPX2001-3605 | High pressure switch |
| 25 | HPX2004-1444 | Filter |
| 26 | HPX20000-140618 | Filter |
| 27 | HPX20000-360005 | Flow switch |
| 28 | HPX20000-140484 | Four-way valve |
| 29 | HPX80701652 | Electrical box assembly |
| 30 | HPX20000-310170 | Variable frequency drive |
| 31 | HPX220130-00000016 | PC1004 |
| 32 | HPX2000-3909 | 2-position terminal block |
| 33 | HPX20000-360297 | Relay |
| 34 | HPX20000-390047 | Terminal block |
| 35 | HPX20000-390046 | Terminals |
| 36 | HPX20000-390048 | Terminals |
| 37 | HPX20000-390049 | Terminals |
| 38 | HPX20000-390231 | 5-position terminal block |

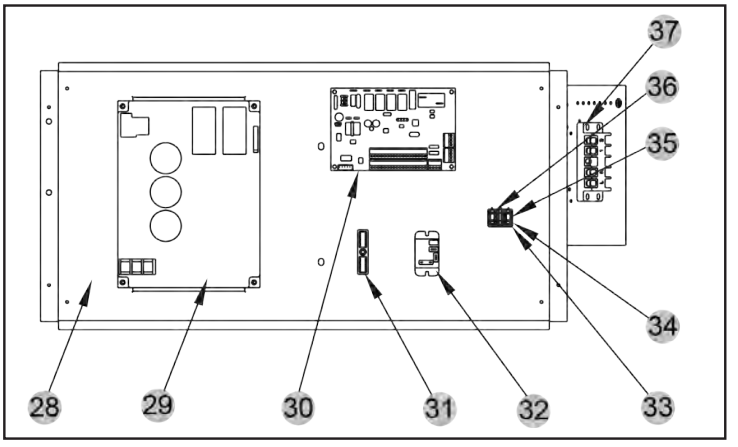
# HP70AEE

HEAT PUMP REPLACEMENT PARTS



## Parts Diagram



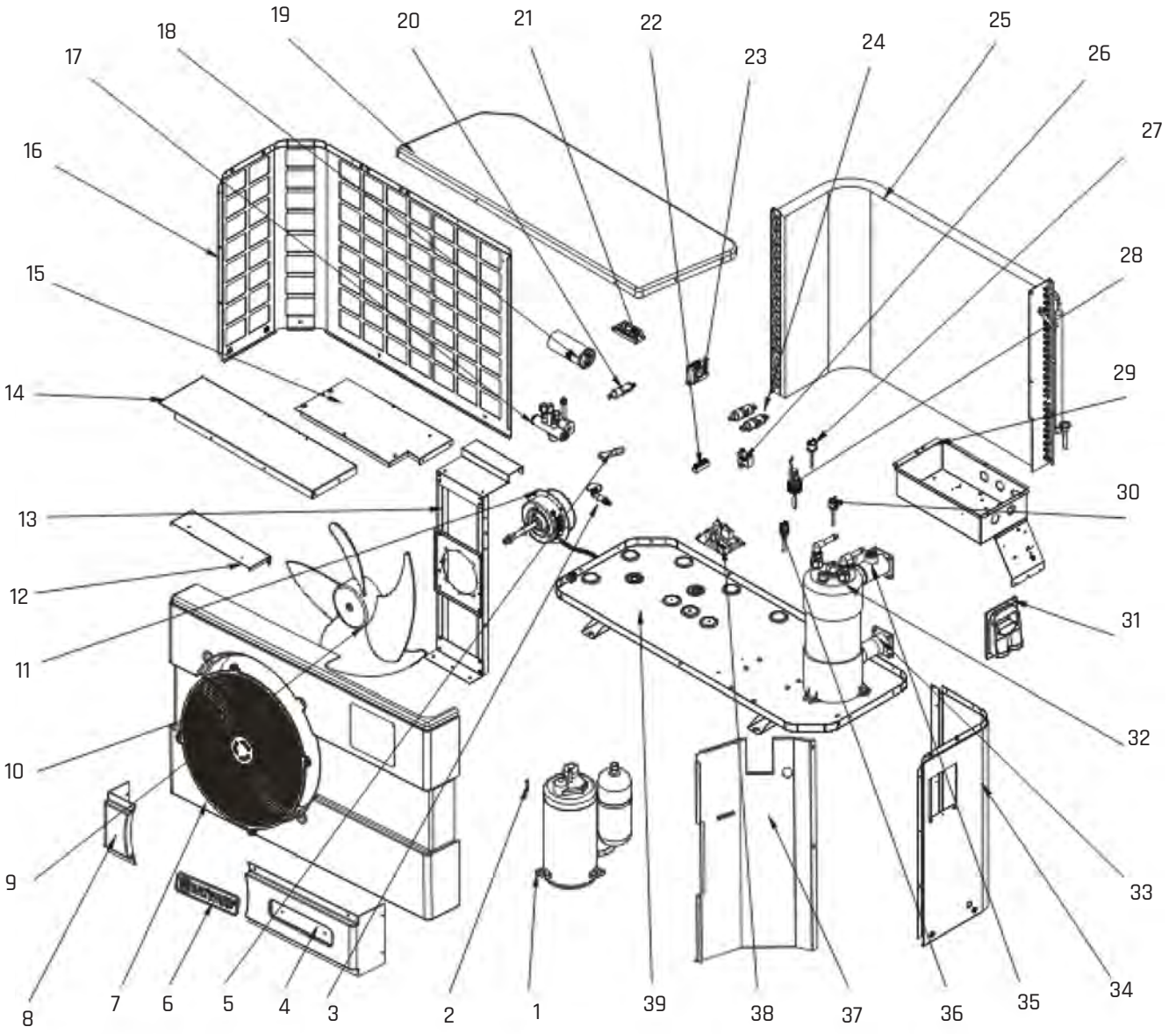
## Parts Listing

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX20000-110217 | Compressor |
| 2 | HPX80701594 | Chassis assembly |
| 3 | HPX301090-00000004 | Front frame |
| 4 | HPX72200359 | CP203 |
| 5 | HPX20000-220369 | Fan net |
| 6 | HPX20000-270004 | Axial fan blade |
| 7 | HPX20000-330132 | DC |
| 8 | HPX80701595 | Left side panel |
| 9 | HPX301060-20180001 | Finned heat exchanger |
| 10 | HPX32009-210663 | Support plate |
| 11 | HPX32009-220111 | Top cover |
| 12 | HPX32009-210662 | Motor bracket assembly |
| 13 | HPX32009-210658 | Electrical box cover |
| 14 | HPX2000-3242 | Sensor |
| 15 | HPX80600265 | Titanium tube heat exchanger |
| 16 | HPX80701596 | Right side panel |
| 17 | HPX32009-220029 | Junction box body |
| 18 | HPX32009-210664 | Middle baffle |
| 19 | HPX2000-1460 | Three links |
| 20 | HPX20000-140150 | Needle valve |
| 21 | HPX20000-140485 | Electronic expansion valve |
| 22 | HPX20000-360157 | Low pressure switch |
| 23 | HPX2001-3605 | High pressure Switch |
| 24 | HPX2004-1444 | Filter |
| 25 | HPX20000-140618 | Filter |
| 26 | HPX20000-360005 | Flow switch |
| 27 | HPX20000-140485 | Four-way valve |
| 28 | HPX32009-210651 | Electrical box assembly |
| 29 | HPX20000-310170 | Variable frequency drive |
| 30 | HPX220130-00000016 | PC1004 |
| 31 | HPX2000-3909 | 2-position terminal block |
| 32 | HPX20000-360297 | Relay |
| 33 | HPX20000-390047 | Terminal block |
| 34 | HPX20000-390046 | Terminals |
| 35 | HPX20000-390048 | Terminals |
| 36 | HPX20000-390049 | Terminals |
| 37 | HPX20000-390231 | 5-position terminal block |

# HP50A1

HEAT PUMP REPLACEMENT PARTS

Parts Listing: HP50A1



## HP50A1

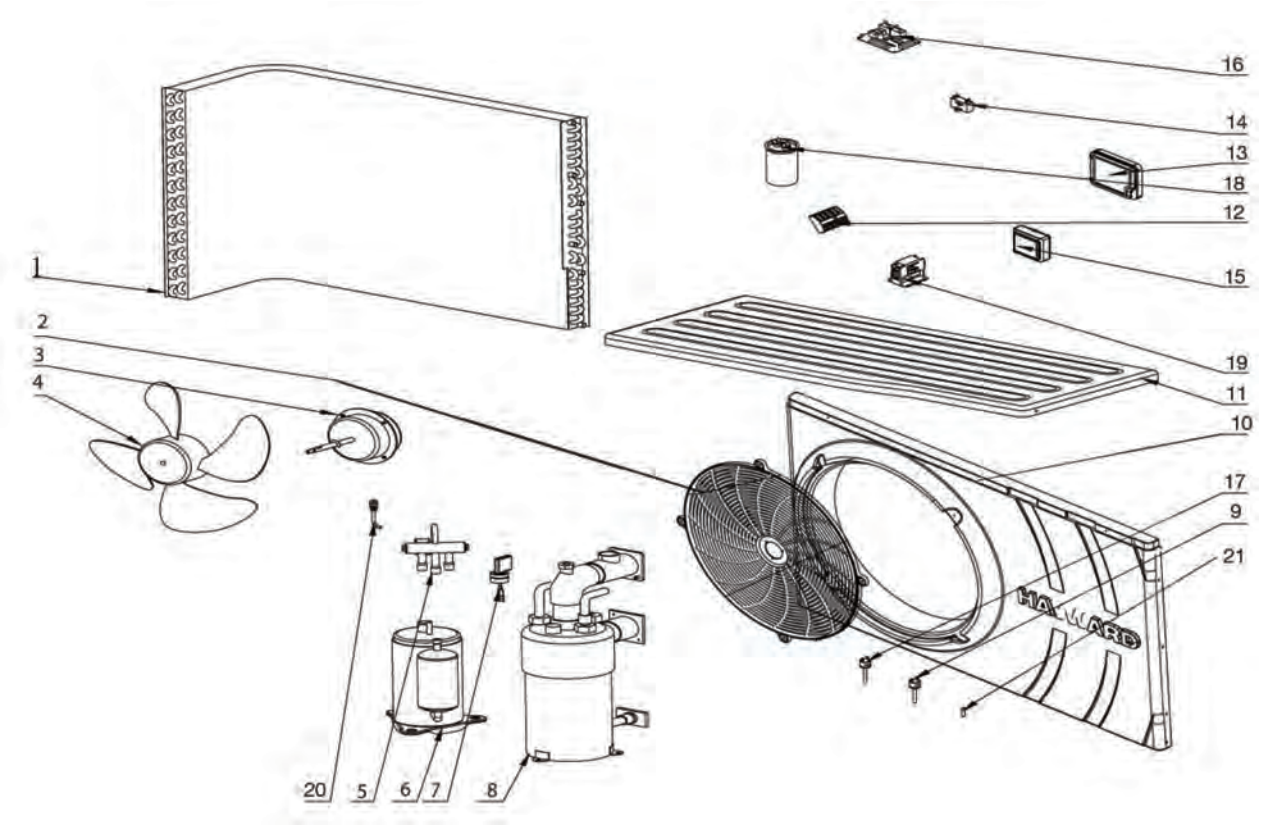
| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX20000-110041 | Compressor |
| 2 | HPX2002-8881 | Steel Sleeve |
| 3 | HPX3400-2203 | Drainage |
| 4 | HPX32008-220053 | Front Frame Decoration 2 |
| 5 | HPX20000-140067 | Double Capillary Joint |
| 6 | HPX20000-230596 | Mark (Hayward) |
| 7 | HPX32008-220051 | Front |
| 8 | HPX32008-220052 | Front Frame Decoration 1 |
| 9 | HPX3500-2701 | Fan |
| 10 | HPX20000-220188 | Fan Retainer |
| 11 | HPX20000-330124 | Fan Machinery |
| 12 | HPX32008- 210069 | Before the fixed plate |
| 13 | HPX32012-210742 | Motor Bracket |
| 14 | HPX32012-210737 | Mounting Plate |
| 15 | HPX32012-210740 | Electric Box Cover Plate |
| 16 | HPX32012-210736 | Back Stop |
| 17 | HPX2001-1418 | Four-Way Valve |
| 18 | HPX2000-3505 | Compressor Capacitance |
| 19 | HPX32008-220054 | Head Cover |
| 20 | HPX2001-1499 | Check Valve |
| 21 | HPX20000-390231 | Five Connector |
| 22 | HPX2000-3909 | Two Connector |
| 23 | HPX20000-370006 | Power Transformer |
| 24 | HPX2004-1444 | Filter |
| 25 | HPX32012-120165 | Fin Type Heat Exchanger |
| 26 | HPX2000-3501 | Fan Capacitance |
| 27 | HPX2000-3603 | Pressure Switch |
| 28 | HPX20000-360005 | Water Switch |
| 29 | HPX32012-210739 | Electrical Box |
| 30 | HPX2001-3605 | Pressure Switch |
| 31 | HPX 32009-220029 | Terminal Box |
| 32 | HPX32012-120036 | Titanium Tubular Exchange |
| 33 | HPX2000-3242 | Water Inlet Sensor |
| 34 | HPX32012-210735 | Right-Side Panel |
| 35 | HPX2000-3242 | Water Outlet Sensor |
| 36 | HPX20000-360059 | Pressure Switch |
| 37 | HPX32012-210738 | Median Septum |
| 38 | HPX95005-310145 | PC1001 |
| 39 | HPX32012-210741 | Chassis |
| — | HPX95005-310261 | Display Controller |

# HP50A

HEAT PUMP REPLACEMENT PARTS

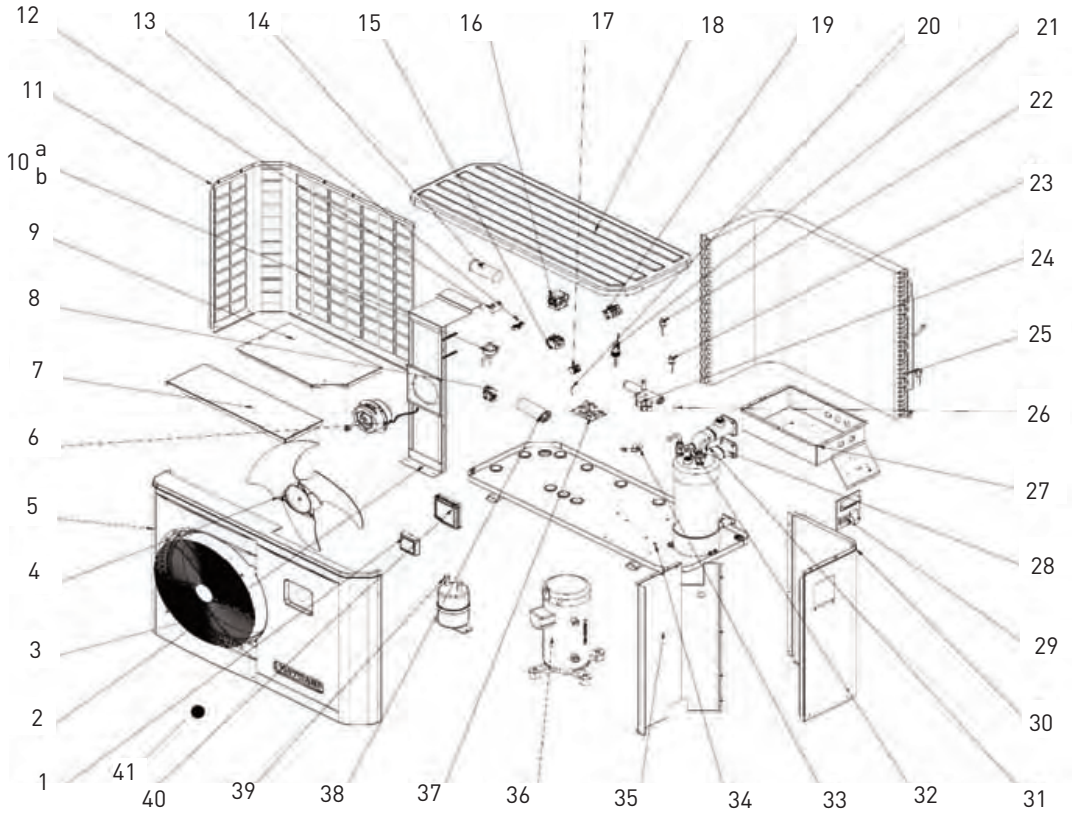


## Parts Listing: HP50A




| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX32012-120020 | Evaporator |
| 2 | HPX20000-220188 | Fan Net |
| 3 | HPX20000-330124 | Fan Motor |
| 4 | HPX3500-2701 | Axis blower Fan |
| 5 | HPX2001-1418 | 4-Way Valve |
| 6 | HPX20000-110041 | Compressor |
| 7 | HPX20000-360005 | Water Flow Switch |
| 8 | HPX32012-120014 | Titanium Tube Heat Exchanger |
| 9 | HPX2001-3605 | High Pressure Switch |
| 10 | HPX32012-220044 | Front Panel |
| 11 | HPX32012-220045 | Cover |
| 12 | HPX2001-3907 | Terminal |
| 13 | HPX2000-2111 | Waterproof Cover |
| 14 | HPX2000-350012 | Fan Capacitor |
| 15 | HPX95005-310188 | LCD Controller |
| 16 | HPX35005-310145 | Main Control Board |
| 17 | HPX2000-3603 | Low Pressure Switch |
| 18 | HPX2000-3505 | Compressor Capacitor |
| 19 | HPX20000-360006 | AC Contactor |
| 20 | HPX20000-140153 | Needle Valve |
| 21 | HPX2000-3242 | Sensor, water, air |

## Parts Listing: HP65A



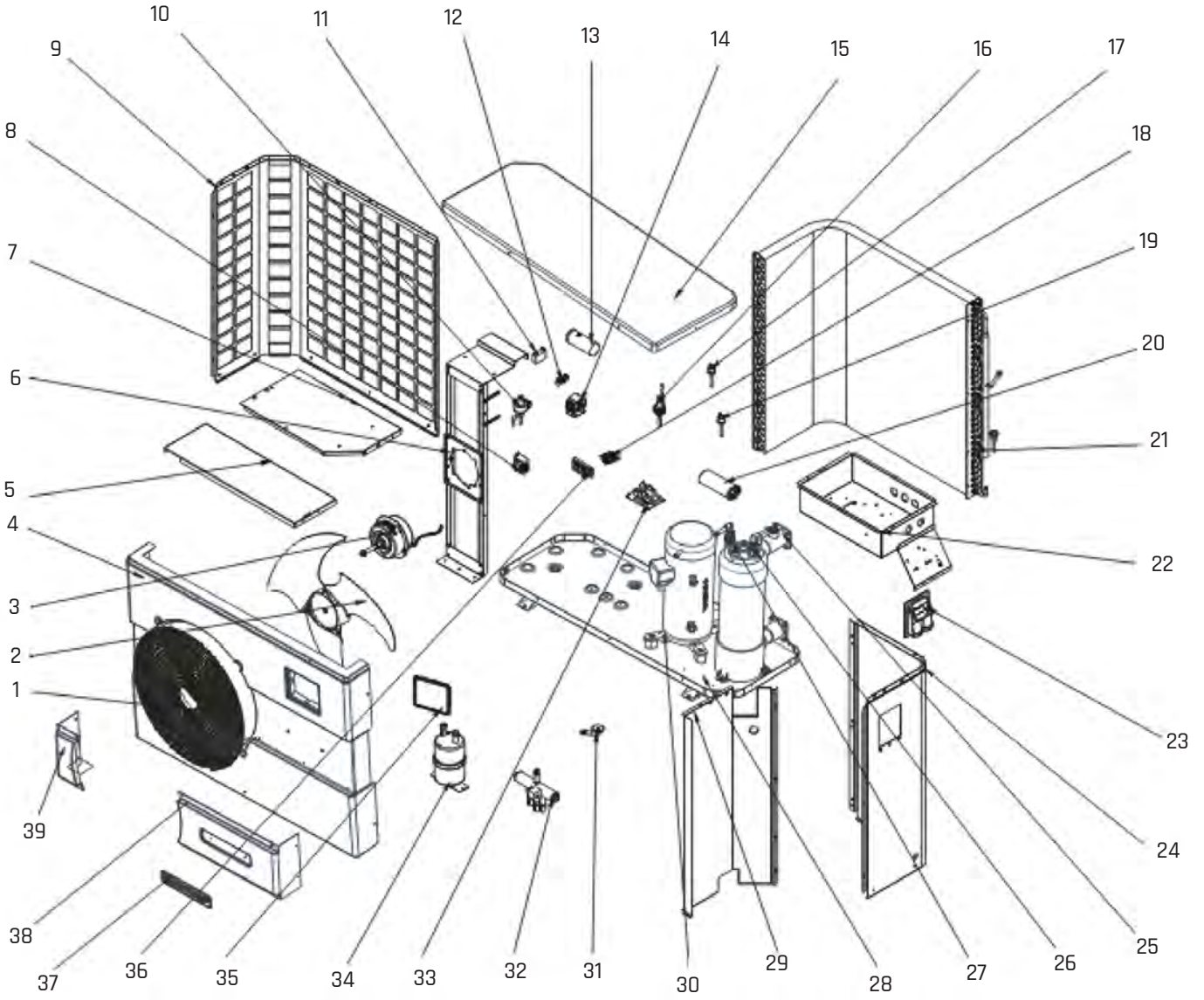

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX95005-310188 | LCD Controller |
| 2 | HPX320009-210092 | Fan Motor Bracket |
| 4 | HPX2000-2705 | Fan Blade |
| 6 | HPX2001-3328 | Fan Motor |
| 7 | — | Support Panel |
| 8 | HPX20000-370003 | Transformer |
| 9 | — | Electrical Box Cover |
| 10a | HPX20000-140151 | Electronic Expansion Valve |
| 10b | HPX2000-140237 | Black Coil |
| 11 | — | Back Panel |
| 12 | HPX2000-3508 | Fan Motor Capacitor<br>40 uF / 450 VAC |
| 13 | — | Terminal Block 2 Connection |
| 14 | HPX2000-3524 | Compressor Start Capacitor |
| 15 | HPCX20000-36035 | Relay |
| 16 | HPX2000-360035 | Compressor Contactor |
| 17 | — | Terminal Block 3 Connection |
| 18 | — | Top Cover |
| 19 | — | Terminal Block 3 Connection |
| 20 | HPX2000-3242 | Coil Temperature Sensor |
| 21 | HPX20000-360005 | Flow Switch |
| 22 | HPX2001-3605 | High Pressure Switch |

| Ref. No. | Part No. | Description |
|---|---|---|
| 23 | HPX2000-3603 | Low Pressure Switch |
| 24 | HPX2001-1491 | 4 Way Valve |
| 25 | HPX35012-120001 | Fin Coil |
| 26 | HPX2000-3242 | Air Temp. Sensor |
| 27 | — | Electrical Box Cover |
| 28 | HPX32009-120013 | PVC-Titanium Condenser |
| 29 | — | Protection Cover |
| 30 | — | Right Panel |
| 31 | HPX2000-3242 | Water outlet Sensor |
| 32 | HPX20000-3242 | Water Inlet Sensor |
| 33 | HPX2000-1345 | Drain Plug |
| 34 | — | Bottom Panel |
| 35 | — | Center Wall |
| 36 | HPX20000-110038 | Compressor |
| 37 | HPXMCB65 | PCB Board |
| 38 | HPX2000-3510 | Compressor Capacitor<br>60 uF / 450 VAC |
| 40 | HPX20000-220068 | Waterproof Cover |
| | HPX2000-3909 | Terminal Block 2 |
| | HPX2001-3907 | Terminal Block 5 |

# HP70A1

HEAT PUMP REPLACEMENT PARTS

Parts Listing: HP70A1



## Parts Listing: HP70A1

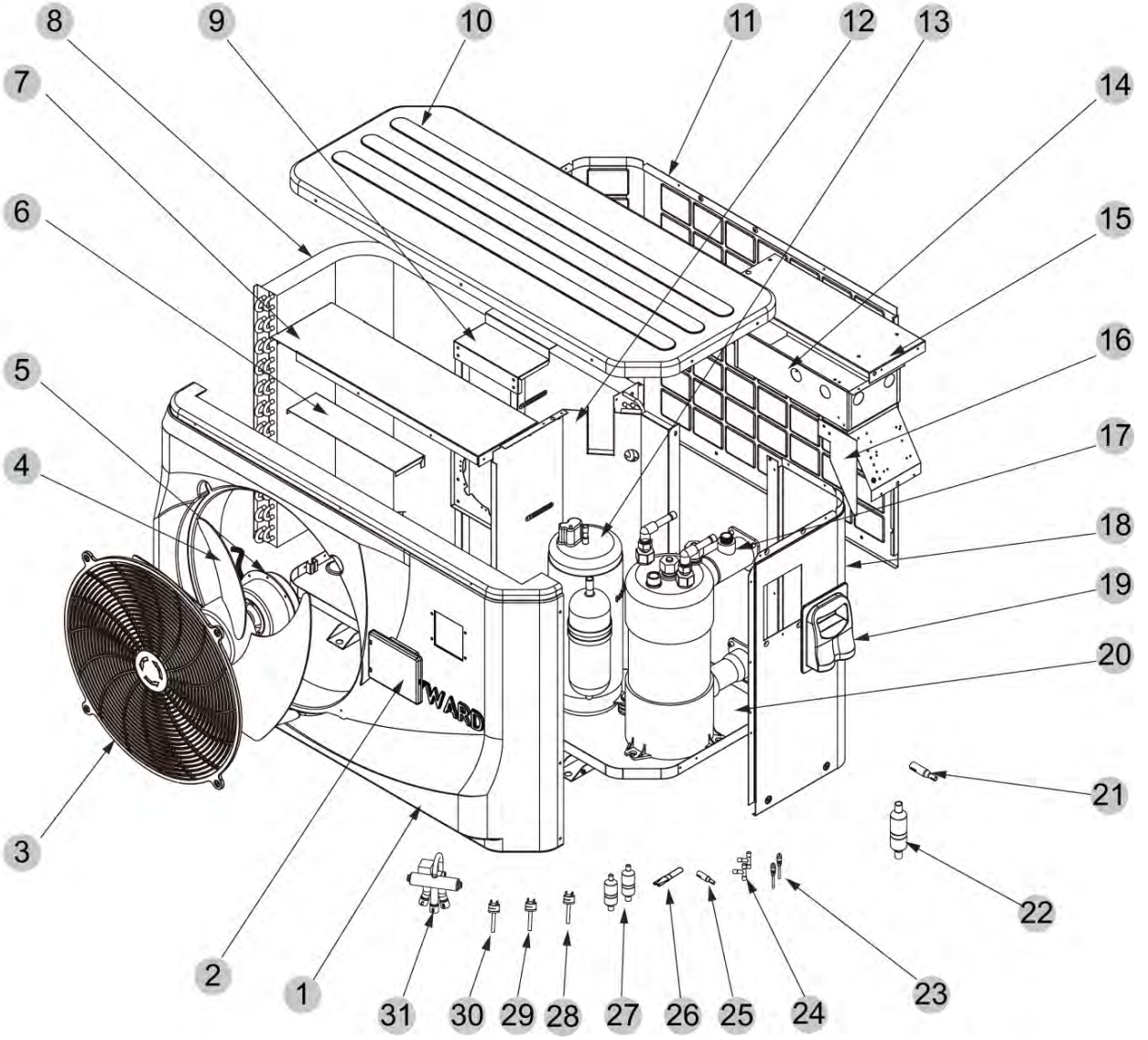
| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX20000-220169 | Fan Protection Grille |
| 2 | HPX20000-270004 | Fan Blade |
| 3 | HPX20000-330134 | Fan Motor |
| 4 | HPX32017-220001 | Front Panel |
| 5 | HPX32009-210219 | Support Panel |
| 6 | HPX32009-210634 | Fan Motor Bracket |
| 7 | HPX32009-210635 | Electrical Box Cover |
| 8 | HPX20000-370003 | Transformer 230V-12V |
| 9 | HPX32017-210010 | Back Panel |
| 10 | HPX20000-140237 | Electronic Expansion Valve |
| 11 | HPX2000-3509 | Fan Motor Capacitor (5uF) |
| 12 | HPX2000-3909 | Terminal Block 2 Connections |
| 13 | HPX2000-3524 | Compressor Capacitor |
| 14 | HPX20000-360222 | Compressor Contactor |
| 15 | HPX32017-220004 | Top Cover |
| 16 | HPX20000-360005 | Flow Switch |
| 17 | HPX2001-3605 | High Pressure Switch |
| 18 | HPX2000-390237 | Terminal Block 3 Connections |
| 19 | HPX2000-3603 | Low Pressure Switch |
| 20 | HPX20000-3510 | Compressor Capacitor |
| 21 | HPX35012-120001 | Fin Coil |
| 22 | HPX32009-210633 | Electrical Box |
| 23 | HPX32009-220029 | Protection Cover |
| 24 | HPX32009-210630 | Right Panel |
| 25 | HPX32010-120012 | PVC-Titanium Condenser |
| 26 | HPX2000-3242 | Water Outlet Sensor |
| 27 | HPX2000-3242 | Water Inlet Sensor |
| 28 | HPX32009-210632 | Bottom Panel |
| 29 | HPX32009-210631 | Center Wall |
| 30 | HPX20000-110142 | Compressor |
| 31 | HPX3400-2203 | Drain Connector |
| 32 | HPX2001-1491 | 4-Way Valve |
| 33 | HPX95005-310145 | PC1001 |
| 34 | HPX3500-1401 | Gas-Liquid Separator |
| 35 | HPX95005-310261 | LED Controller |
| 36 | HPX20000-390237 | Terminal Block 3 Connections |
| 37 | HPX20000-230595 | Brand |
| 38 | HPX32017-220003 | Stripe 2 of Front Panel |
| 39 | HPX32017-220002 | Stripe 1 of Front Panel |

# HP50CL

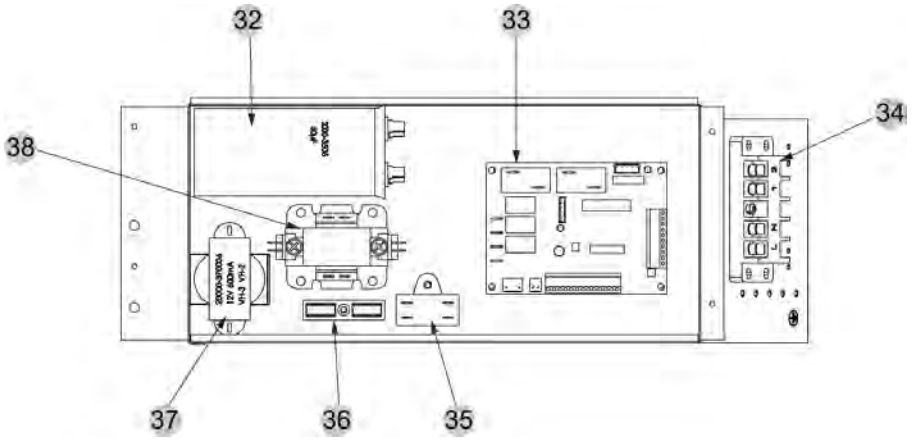
HEAT PUMP REPLACEMENT PARTS



Parts Listing: HP50CL




ELECTRICAL CONTROL STRUCTURE



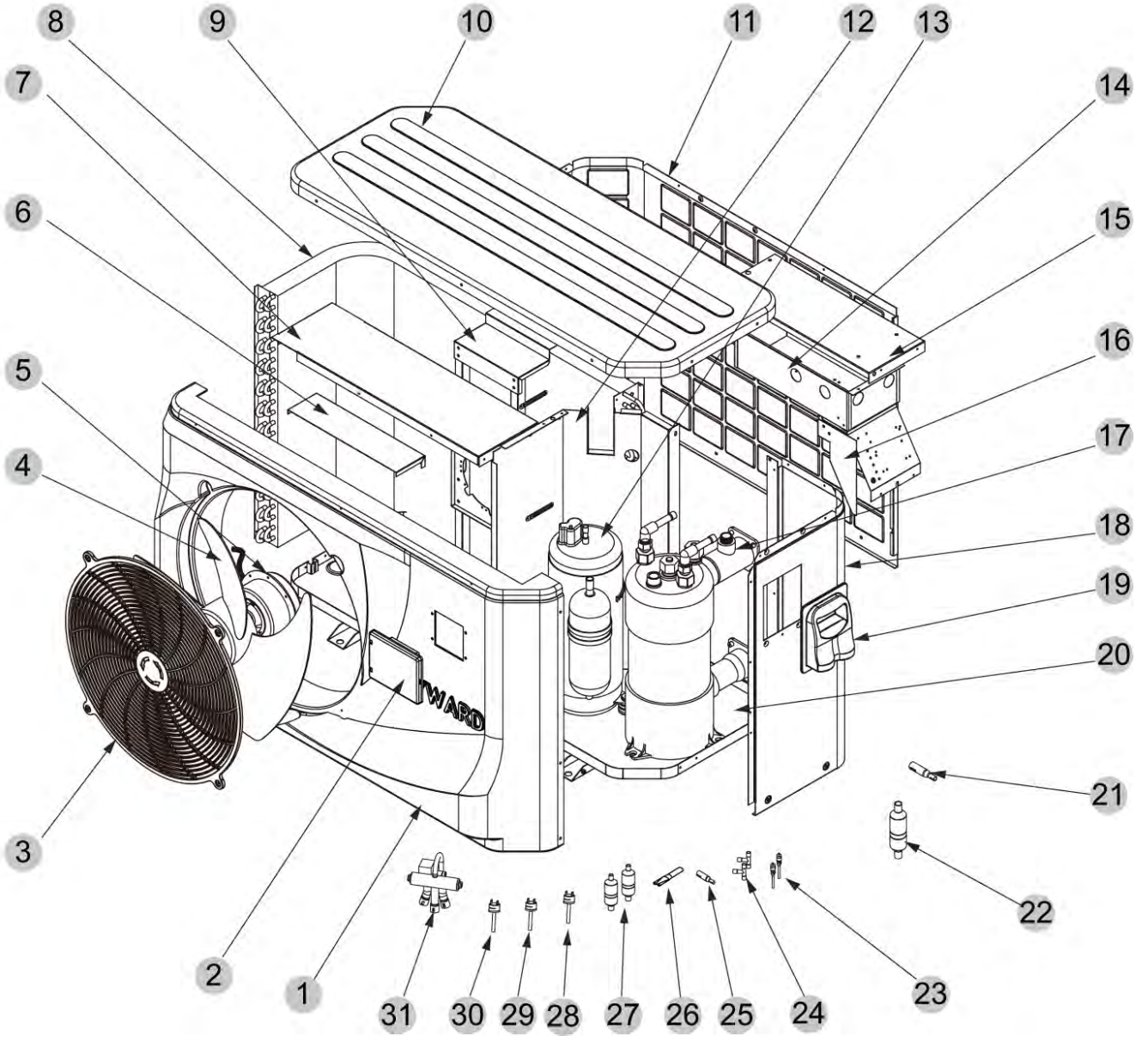
## Parts Listing: HP50CL

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX80900197 | Front frame |
| 2 | HPX95005-310456 | LED301 |
| 3 | HPX20000-220188 | Plastic fan net |
| 4 | HPX3500-2701 | Fan blade |
| 5 | HPX20000-330124 | Motor |
| 6 | HPX32008-210069 | Before the fixed plate |
| 7 | HPX32012-210737 | Support plate |
| 8 | HPX32012-120165 | Finned heat exchanger |
| 9 | HPX32012-210742 | Motor bracket |
| 10 | HPX32012-220009 | Top |
| 11 | HPX80700707 | On the left side of the plate |
| 12 | HPX80700713 | Partition |
| 13 | HPX20000-110041 | Compressor |
| 14 | HPX32012-210739 | Electrical box |
| 15 | HPX32012-210740 | Cover plate |
| 16 | HPX32012-210220 | Fire damper |
| 17 | HPX32012-120036 | Titanium tube heat exchanger |
| 18 | HPX80700706 | Right side of the plate |
| 19 | HPX32009-220029 | Junction box body |
| 20 | HPX80700708 | Chassis |
| 21 | HPX2002-1443 | Get straight through |
| 22 | HPX2001-1499 | Check valve |
| 23 | HPX20000-140150 | Needle valve |
| 24 | HPX2000-1460 | Tee |
| 25 | HPX20000-140058 | Get straight through |
| 26 | HPX20000-140067 | Double capillary joint |
| 27 | HPX2004-1444 | Filter |
| 28 | HPX2000-3603 | Pressure switch |
| 29 | HPX2001-3605 | Pressure switch |
| 30 | HPX20000-360059 | Pressure switch |
| 31 | HPX2001-1418 | Four-way valve |
| 32 | HPX2000-3505 | Compressor capacitor |
| 33 | HPX95005-310145 | PC1001 |
| 34 | HPX20000-390231 | Five position connector |
| 35 | HPX2000-3501 | Fan capacitor |
| 36 | HPX2000-3909 | Two position connector |
| 37 | HPX20000-370006 | Power transformer |
| 38 | HPX20000-360103 | Single-phase ac contactor |

# HP65CL

HEAT PUMP REPLACEMENT PARTS

Parts Listing: HP65CL



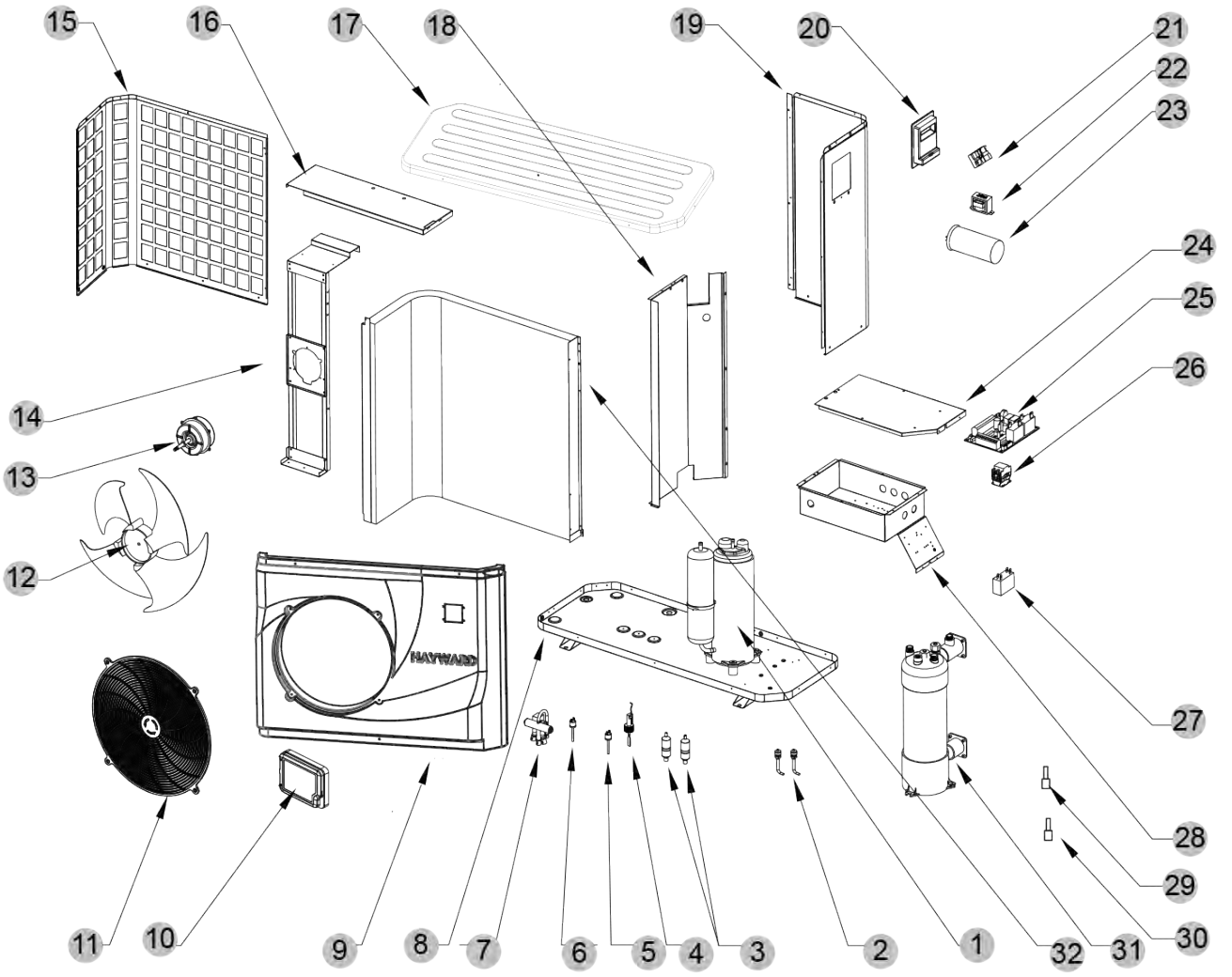
## Parts Listing: HP65CL

| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX20000-110192 | Compressor |
| 2 | HPX20000-140153 | Needle valve |
| 3 | HPX2004-1444 | Filter |
| 4 | HPX20000-360005 | Water flow switch |
| 5 | HPX2000-3603 | Pressure switch |
| 6 | HPX20000-360059 | Pressure switch |
| 7 | HPX2004-1437 | 4-way valve |
| 8 | HPX80901028 | Front panel |
| 9 | HPX72200268 | LED207 Wire controller |
| 10 | HPX20000-220169 | Plastic fan net |
| 11 | HPX20000-270004 | Axial flow fan |
| 12 | HPX20000-330143 | Axial flow fan |
| 13 | HPX32009-210204 | Fan Motor bracket |
| 14 | HPX80708920 | Back net |
| 15 | HPX32009-210331 | Top cover |
| 16 | HPX32009-210220 | Middle partition |
| 17 | HPX80711034 | Right panel |
| 18 | HPX20000-220284 | The junction box body |
| 19 | HPX2000-3909 | 3-position terminal block |
| 20 | HPX20000-370006 | Transformer |
| 21 | HPX2000-3524 | Compressor capacitor |
| 22 | HPX72200053 | PC1001 Controller |
| 23 | HPX20000-360125 | AC contactor |
| 24 | HPX2000-3509 | Fan capacitor |
| 25 | HPX2000-3242 | Sensor |
| 26 | HPX2000-3223 | Sensor |
| 27 | HPX32009-120025 | Titanium Tube Heat Exchanger |
| 28 | HPX32009-120021 | Fin Heat Exchanger |

# HP80CL

HEAT PUMP REPLACEMENT PARTS

Parts Listing: HP80CL



## Parts Listing: HP80CL

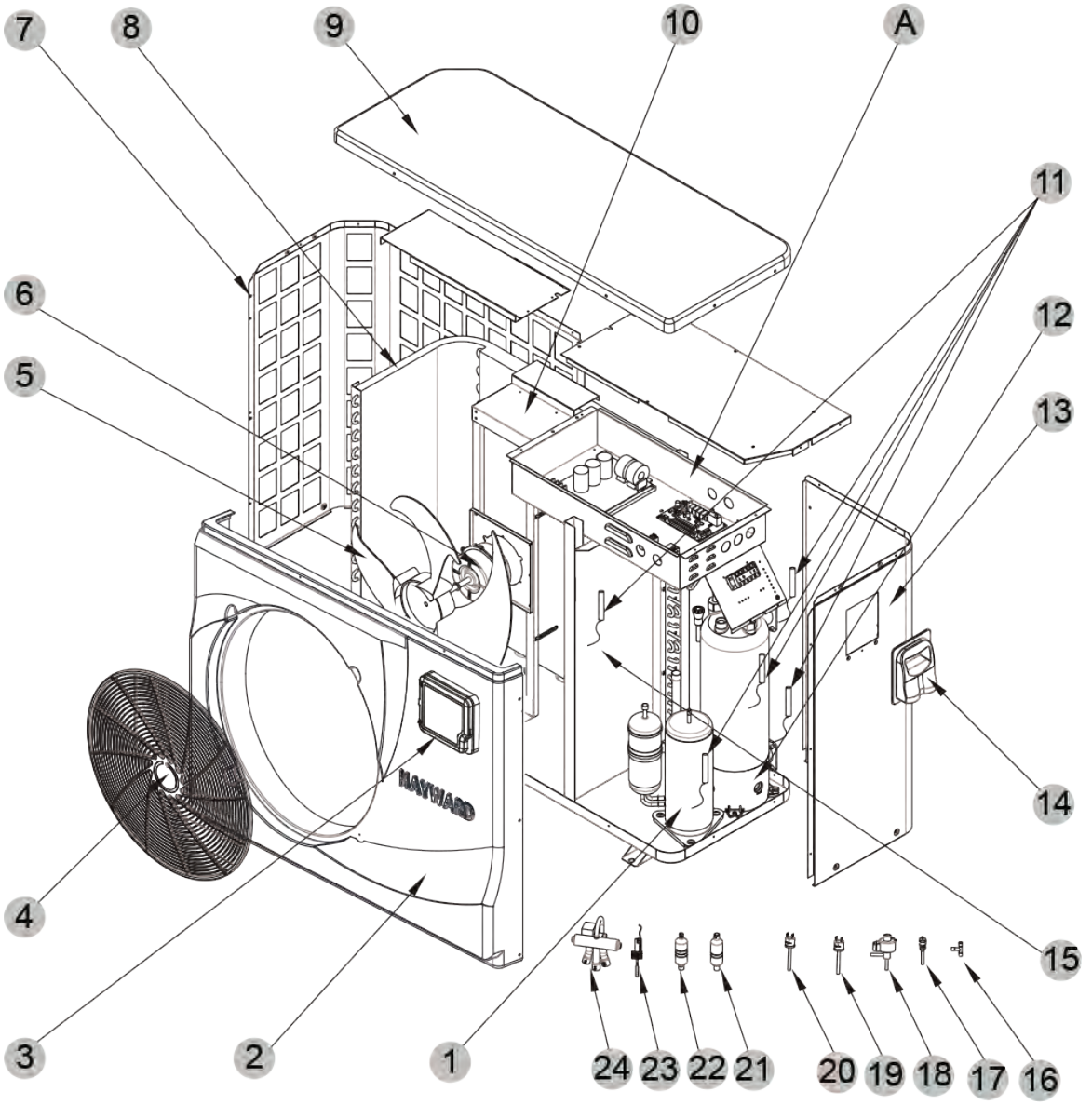
| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX20000-110038 | Compressor |
| 2 | HPX20000-140153 | Needle valve |
| 3 | HPX2004-1445 | Filter |
| 4 | HPX20000-360005 | Water flow switch |
| 5 | HPX2000-3603 | Pressure switch |
| 6 | HPX20000-360059 | Pressure switch |
| 7 | HPX2001-1491 | 4-way valve |
| 8 | HPX80901028 | Front panel |
| 9 | HPX72200268 | LED207 Wire controller |
| 10 | HPX20000-220169 | Plastic fan net |
| 11 | HPX20000-270004 | Axial flow fan |
| 12 | HPX20000-330143 | Axial flow fan |
| 13 | HPX32009-210204 | Fan Motor bracket |
| 14 | HPX80708920 | Back net |
| 15 | HPX32009-210331 | Top cover |
| 16 | HPX32009-210220 | Middle partition |
| 17 | HPX80711034 | Right panel |
| 18 | HPX20000-220284 | The junction box body |
| 19 | HPX2000-3909 | 3-position terminal block |
| 20 | HPX20000-370006 | Transformer |
| 21 | HPX2000-3524 | Compressor capacitor |
| 22 | HPX72200053 | PC1001 Controller |
| 23 | HPX20000-360125 | AC contactor |
| 24 | HPX2000-3509 | Fan capacitor |
| 25 | HPX2000-3242 | Sensor |
| 26 | HPX2000-3223 | Sensor |
| 27 | HPX32010-120012 | Titanium Tube Heat Exchanger |
| 28 | HPX32009-120021 | Fin Heat Exchanger |

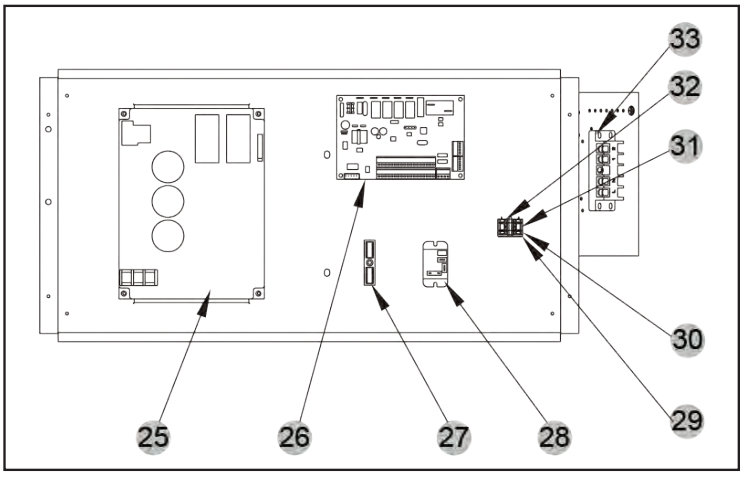
# HP50CLEE

HEAT PUMP REPLACEMENT PARTS



## Parts Diagram



## Parts Listing

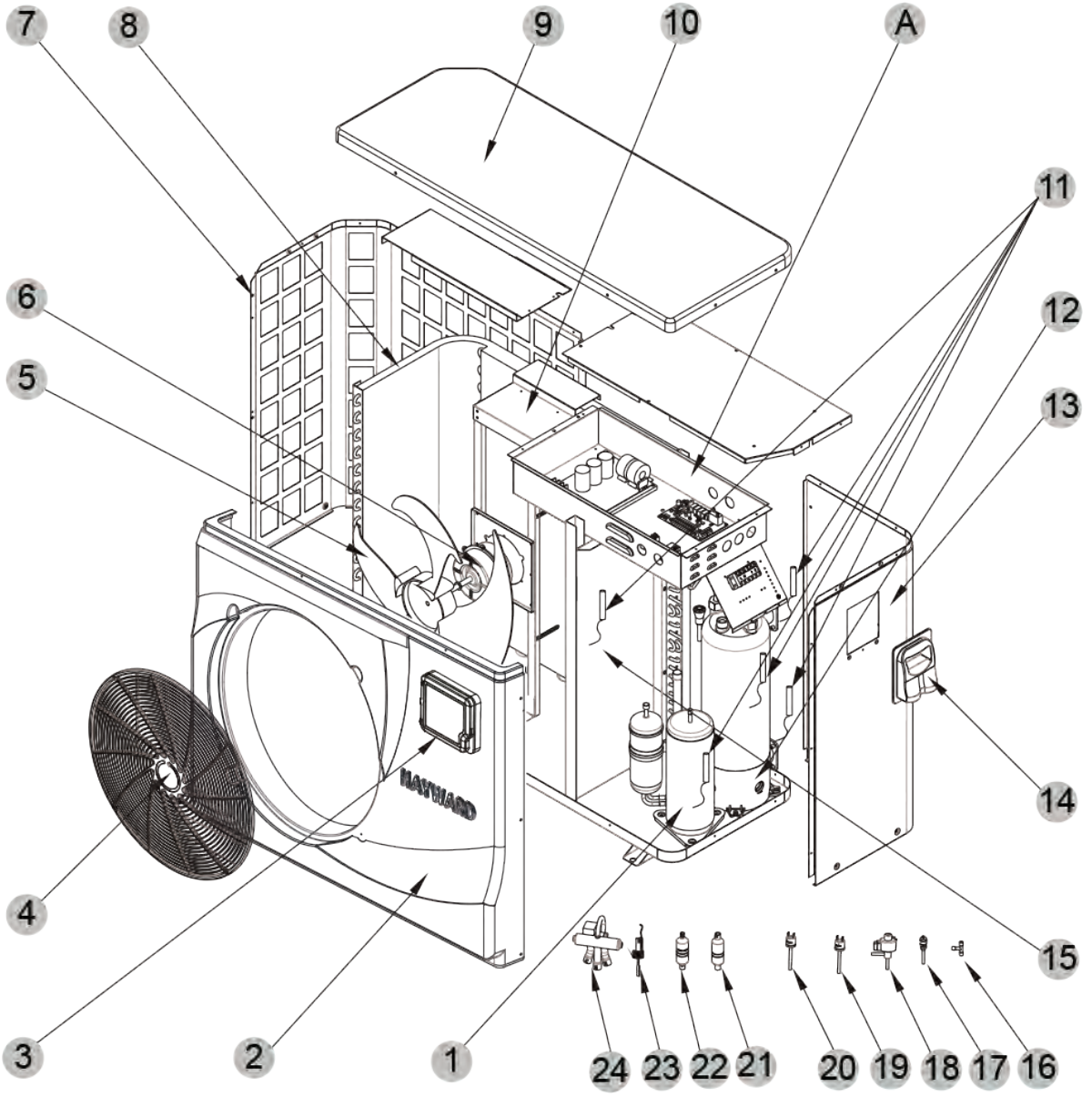
| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX20000-110436 | Compressor |
| 2 | HPX80708329 | Chassis assembly |
| 3 | HPX80901069 | Front frame |
| 4 | HPX72200348 | LED302 |
| 5 | HPX20000-220169 | Fan net |
| 6 | HPX20000-270004 | Axial fan blade |
| 7 | HPX20000-330132 | DC |
| 8 | HPX80708331 | Left side panel |
| 9 | HPX32012-120166 | Finned heat exchanger |
| 10 | HPX32012-210493 | Support plate |
| 11 | HPX32012-210489 | Top cover |
| 12 | HPX32012-210570 | Motor bracket assembly |
| 13 | HPX32008-210167 | Condenser splint |
| 14 | HPX32012-210494 | Electrical box cover |
| 15 | HPX2000-3242 | Sensor |
| 16 | HPX301060-20120002 | Titanium tube heat exchanger |
| 17 | HPX80708330 | Right side panel |
| 18 | HPX32009-220029 | Junction box body |
| 19 | HPX32012-210796 | Middle baffle |
| 20 | HPX2000-1460 | Three links |
| 21 | HPX20000-140150 | Needle valve |
| 22 | HPX20000-140449 | Electronic expansion valve |
| 23 | HPX20000-360157 | Low pressure switch |
| 24 | HPX2001-3605 | High pressure switch |
| 25 | HPX2004-1444 | Filter |
| 26 | HPX20000-140618 | Filter |
| 27 | HPX20000-360005 | Flow switch |
| 28 | HPX20000-140484 | Four-way valve |
| 29 | HPX80701652 | Electrical box assembly |
| 30 | HPX20000-310170 | Variable frequency drive |
| 31 | HPX220130-00000016 | PC1004 |
| 32 | HPX2000-3909 | 2-position terminal block |
| 33 | HPX20000-360297 | Relay |
| 34 | HPX20000-390047 | Terminal block |
| 35 | HPX20000-390046 | Terminals |
| 36 | HPX20000-390048 | Terminals |
| 37 | HPX20000-390049 | Terminals |
| 38 | HPX20000-390231 | 5-position terminal block |

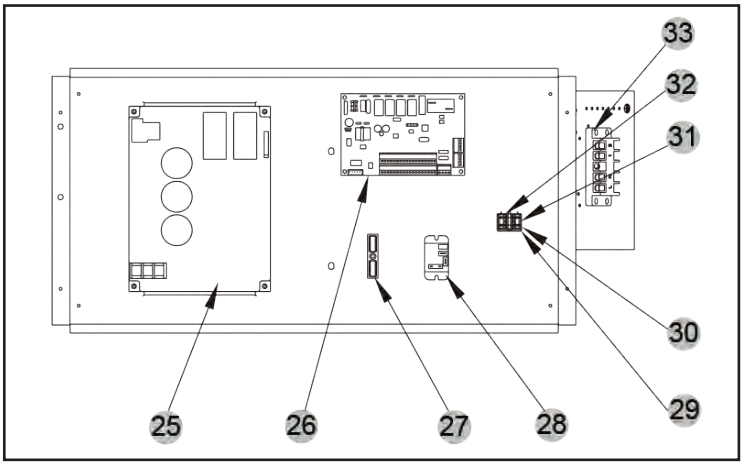
# HP65CLEE

HEAT PUMP REPLACEMENT PARTS



## Parts Diagram



## Parts Listing

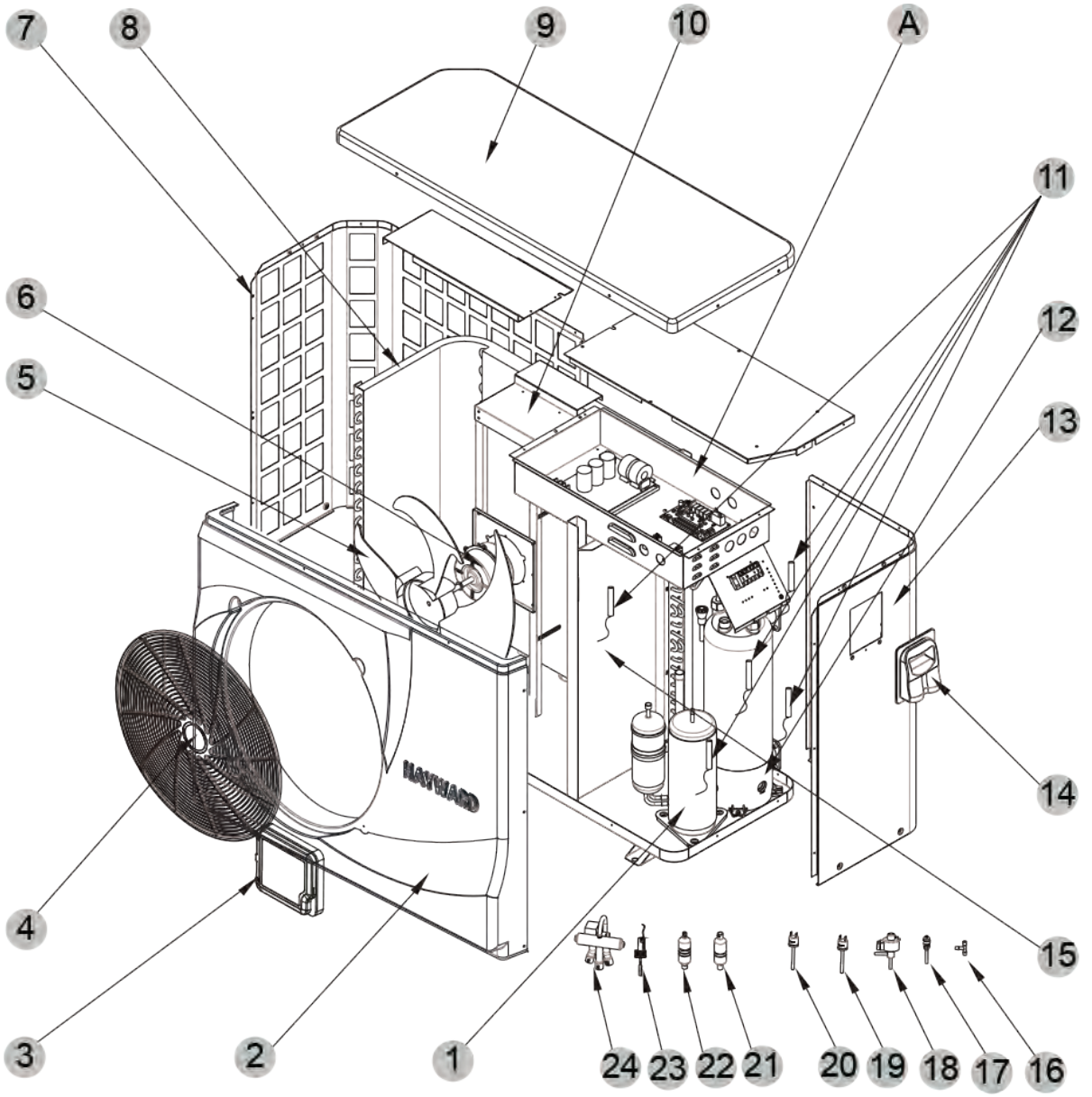
| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX20000-110433 | Compressor |
| 2 | HPX80708329 | Chassis assembly |
| 3 | HPX80901069 | Front frame |
| 4 | HPX72200348 | LED302 |
| 5 | HPX20000-220169 | Fan blade |
| 6 | HPX20000-270004 | Axial fan blade |
| 7 | HPX20000-330132 | DC |
| 8 | HPX80708331 | Left side panel |
| 9 | HPX80600211 | Finned heat exchanger |
| 10 | HPX32012-210493 | Support plate |
| 11 | HPX32012-210489 | Top cover |
| 12 | HPX32012-210570 | Motor bracket assembly |
| 13 | HPX32012-210494 | Electrical box cover |
| 14 | HPX2000-3242 | Sensor |
| 15 | HPX72300010 | Titanium tube heat exchanger |
| 16 | HPX80708330 | Right side panel |
| 17 | HPX32009-220029 | Junction box body |
| 18 | HPX32012-210796 | Middle baffle |
| 19 | HPX2000-1460 | Three links |
| 20 | HPX20000-140150 | Needle valve |
| 21 | HPX20000-140572 | Electronic expansion valve |
| 22 | HPX20000-360157 | Low pressure switch |
| 23 | HPX2001-3605 | High pressure switch |
| 24 | HPX2004-1444 | Filter |
| 25 | HPX20000-140618 | Filter |
| 26 | HPX20000-360005 | Flow switch |
| 27 | HPX20000-140484 | Four-way valve |
| 28 | HPX80701652 | Electrical box assembly |
| 29 | HPX20000-310170 | Variable frequency drive |
| 30 | HPX220130-00000016 | PC1004 |
| 31 | HPX2000-3909 | 2-position terminal block |
| 32 | HPX20000-360297 | Relay |
| 33 | HPX20000-390047 | Terminal block |
| 34 | HPX20000-390046 | Terminals |
| 35 | HPX20000-390048 | Terminals |
| 36 | HPX20000-390049 | Terminals |
| 37 | HPX20000-390231 | 5-position terminal block |

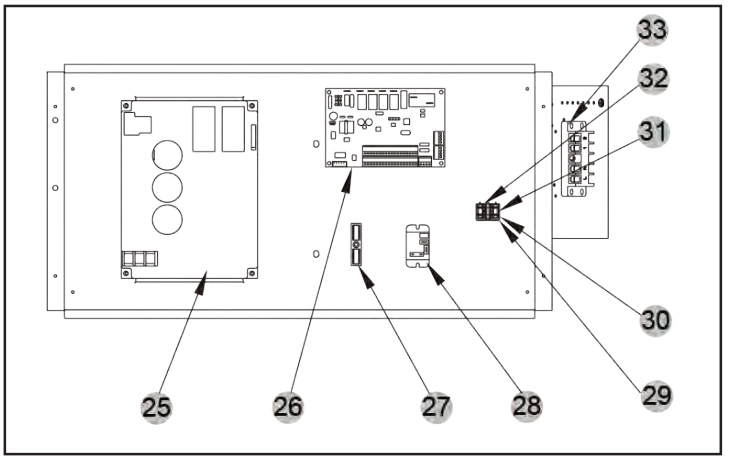
# HP75CLEE

HEAT PUMP REPLACEMENT PARTS



## Parts Diagram



## Parts Listing

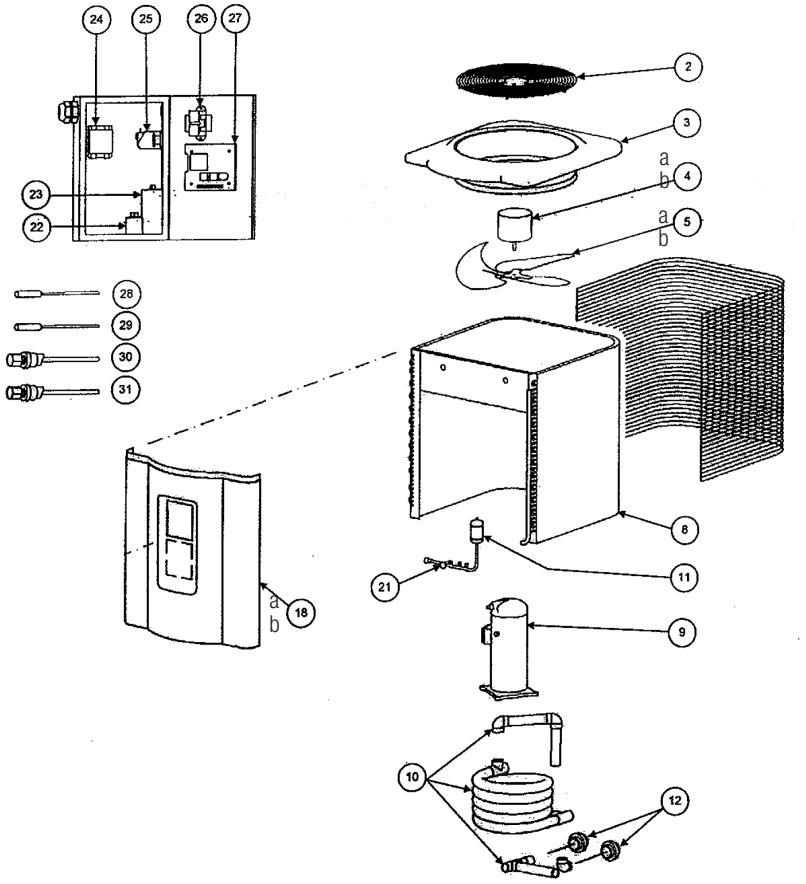
| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HPX20000-110433 | Compressor |
| 2 | HPX80708329 | Chassis assembly |
| 3 | HPX80901069 | Front frame |
| 4 | HPX72200348 | LED302 |
| 5 | HPX20000-220169 | Fan net |
| 6 | HPX20000-270004 | Axial fan blade |
| 7 | HPX20000-330132 | DC |
| 8 | HPX80708331 | Left side panel |
| 9 | HPX80600211 | Finned heat exchanger |
| 10 | HPX32012-210493 | Support plate |
| 11 | HPX32012-210489 | Top cover |
| 12 | HPX32012-210570 | Motor bracket assembly |
| 13 | HPX32012-210494 | Electrical box cover |
| 14 | HPX2000-3242 | Sensor |
| 15 | HPX72300010 | Titanium tube heat exchanger |
| 16 | HPX80708330 | Right side panel |
| 17 | HPX32009-220029 | Junction box body |
| 18 | HPX32012-210796 | Middle baffle |
| 19 | HPX2000-1460 | Three links |
| 20 | HPX20000-140150 | Needle valve |
| 21 | HPX20000-140572 | Electronic expansion valve |
| 22 | HPX20000-360157 | Low pressure switch |
| 23 | HPX2001-3605 | High pressure switch |
| 24 | HPX2004-1444 | Filter |
| 25 | HPX20000-140618 | Filter |
| 26 | HPX20000-360005 | Flow switch |
| 27 | HPX20000-140484 | Four-way valve |
| 28 | HPX80701652 | Electrical box assembly |
| 29 | HPX20000-310170 | Variable frequency drive |
| 30 | HPX220130-00000016 | PC1004 |
| 31 | HPX2000-3909 | 2-position terminal block |
| 32 | HPX20000-360297 | Relay |
| 33 | HPX20000-390047 | Terminal block |
| 34 | HPX20000-390046 | Terminals |
| 35 | HPX20000-390048 | Terminals |
| 36 | HPX20000-390049 | Terminals |
| 37 | HPX20000-390231 | 5-position terminal block |

# Summit & HeatMaster

HEAT PUMP REPLACEMENT PARTS



## Parts Listing: Summit, HeatMaster




## Parts Listing: SUM25TAC, SUM3TAC, SUM4TAC, SUM5TAC, SUM8TAC

| Ref. No. | Part No. | Description |
|---|---|---|
| 2 | SMX305000004 | Motor Support Grid |
| 3a | SMX309077011 | Top Panel - Tan |
| 3b | SMX309077021 | Top Panel - Black |
| 4a | SMX303088001 | Fan Motor (25TAC, 3TAC, 4TAC) |
| 4b | SMX300055036 | Fan Motor (5TAC, 7TAC) |
| 5a | SMX303140002 | Fan Blade (25TAC, 3TAC, 4TAC) |
| 5b | SMX303140003 | Fan Blade (5TAC, 7TAC) |
| 8 | SMX305099004 | Coil |
| 9 | SMX301140003 | Compressor |
| 11 | SMX300055034 | Filter - Dryer |
| 12 (NLA) | SMX300055073 | 2” Union (for production of Summit heat pumps prior to 2009) |
| 18a | SMX309077013 | Front Panel (25TAC) |
| 18b | SMX309099013 | Front Panel (3TAC, 4TAC, 5TAC) |
| 18c | SMX309099015 | Front Panel (7TAC) |
| 21a | SMX305077002 | Expansion Valve (25TAC) |
| 21b | SMX305040001 | Expansion Valve (3TAC) |
| 21c | SMX305050001 | Expansion Valve (4TAC) |
| 21d | SMX305055001 | Expansion Valve (5TAC) |
| 21e | SMX305099006 | Expansion Valve (7TAC) |
| 22 | SMX306088001 | Fan Run Capacitor 5 UF / 370 VAC |
| 23 | HPX11024270 | Compressor Run Capacitor 45 UF / 370 VAC |
| 26 | SMX306000004 | Transformer |
| 27 | SMX306000016 | Electronic Board |
| 28 | SMX306000023 | Air Temperature Probe |
| 29 | SMX306000024 | Water Temperature Probe |
| 30 | SMX306000001 | Low Pressure Switch |
| 31 | SMX306000002 | High Pressure Switch |
| | SMX307000010 | Check Valve |

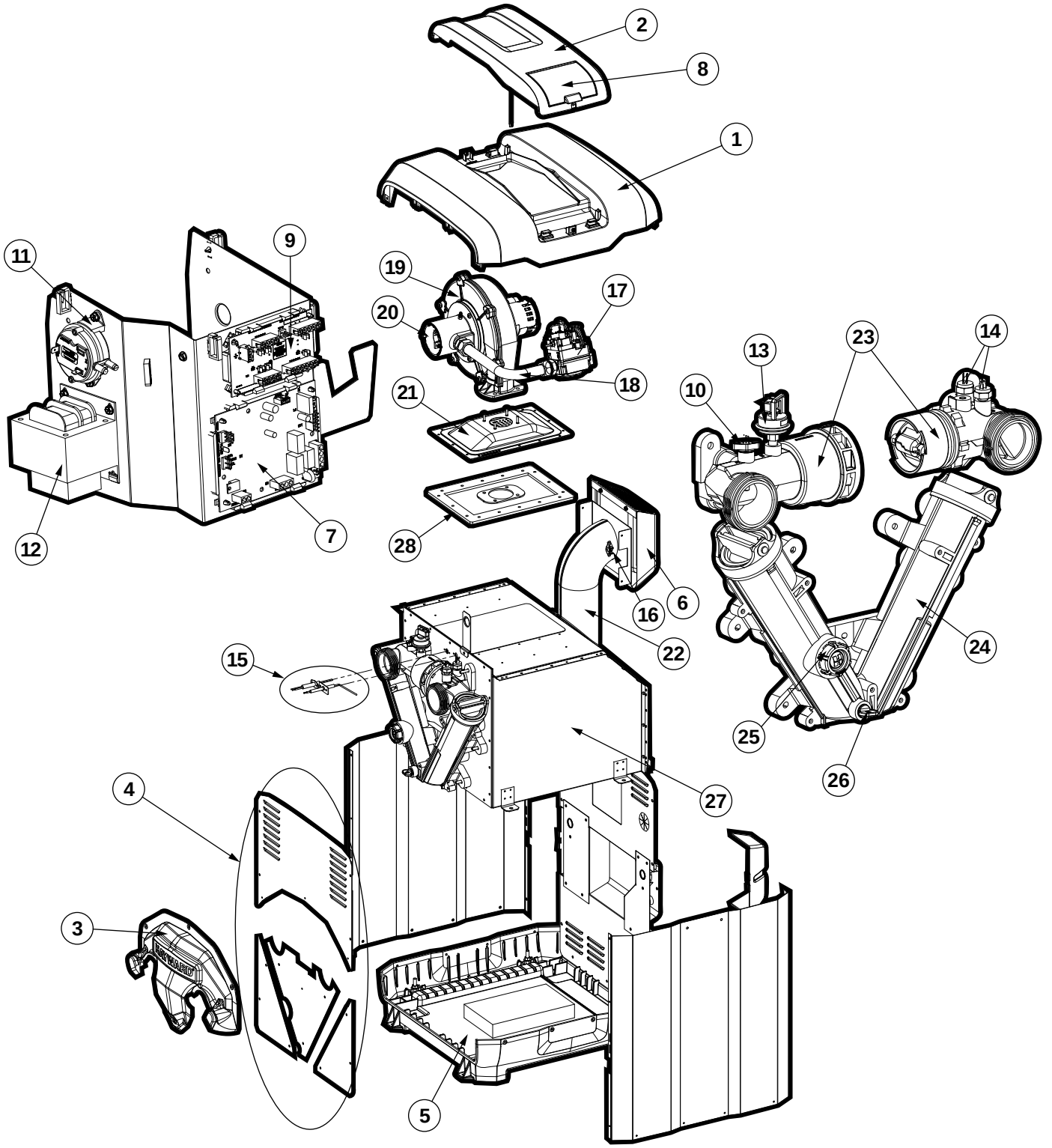
Parts Listing: SUM25TAC, SUM3TAC, SUM45TAC, SUM5TAC, SUM8TAC, HML50TA, HML65TA, HML80TA, HML110TA, HML125TA

| Ref. No. | Part No. | Description |
|---|---|---|
| 4a | SMX303088001 | Fan Motor (25TAC, 3TAC, 45TAC, HML50TA, HML65TA, HML80TA) |
| 4b | SMX300055036 | Fan Motor (5TAC, 8TAC, HML110TA, HML125TA) |
| 9 | SMX11024624 | Compressor (25TAC, HML50TA) |
| 9 | SMX11024622 | Compressor (3TAC, HML65TA) |
| 9 | SMX11024621 | Compressor (45TAC) HML80TA |
| 9 | SMX301150010 | Compressor (5TAC) HML110TA |
| 9 | SMX11024201 | Compressor (8TAC) HML125TA |
| 10 | SMX24024500 | Condenser (25TAC, HML50TA) |
| 10 | SMX24024804 | Condenser (3TAC, 45TAC, HML65TA, HML80TA) |
| 10 | SMX24024804 | Condenser (45TAC) HML80TA |
| 10 | SMX24024509 | Condenser (5TAC) HML110TA |
| 10 | SMX24024864 | Condenser (8TAC) |
| 10 | SMX24024509 | Condenser (HML80TA) |
| 10 | SMX24022371 | Condenser (HML125TA) |
| 11 | HPX1462 | Filter Dryer |
| 12 | SPX3200UNKIT | Coupling |
| 21 | SMX15024592 | TXV Assembly (25TAC, HML50TA) |
| 21 | SMX15024593 | TXV Assembly (3TAC, HML65TA) |
| 21 | SMX15024594 | TXV Assembly (45TAC, HML80TA) |
| 21 | SMX15024595 | TXV Assembly (5TAC, HML110TA) |
| 21 | SMX15024907 | TXV Assembly (8TAC) HML125TA |
| 22 | SMX306088001 | Fan Run Capacitor (25TAC, 3TAC, 45TAC, HML50TA, HML65TA, HML80TA) 5uF / 370 VAC |
| 22 | HPX11024151 | Fan Run Capacitor (5TAC, 8TAC, HML110TA, HML125TA) 7.5uF / 370 VAC |
| 23 | SMX306150002 | Compressor Capacitor (25TAC, HML50TA) 50 uF / 440 VAC |
| 23 | HPX11024154 | Compressor Capacitor (3TAC, HML65TA) 60 uF / 440 VAC |
| 23 | HPX11024272 | Compressor Capacitor (45TAC, HML80TA) 70uF / 370 VAC |
| 23 | HPX11024743 | Compressor Capacitor (5TAC, 8TAC, HML110TA, HML125TA) 80 uF / 370 VAC |
| 24 | HPX1985 | Contactor |
| 25 | HPX2181 | Water Pressure Switch |
| 26 | HPX11023693 | Transformer |
| 27 | SMX306000016 | Control Board Assembly |
| 28 | SMX306000023 | Defrost (Coil) Sensor |
| 29 | SMX306000024 | Water Sensor |
| 30 | HPX11024259 | LP Switch |
| 31 | HPX11024258 | HP Switch |
| — | SMX306066002 | Compressor Elect. Plug(NS) |
| — | SMX15026191 | Hot Gas Bypass Valve |
| — | SMX26024729 | Acoustic Cap, 50K BTU's |
| — | SMX26024728 | Acoustic Cap, HML125BTA |
| — | SMX26024537 | Acoustic Cap, 65K, 80K, 110K BTU's |

# HC Series Small Footprint Heater

REPLACEMENT PARTS

Parts Listing: HDF400



## Parts Listing

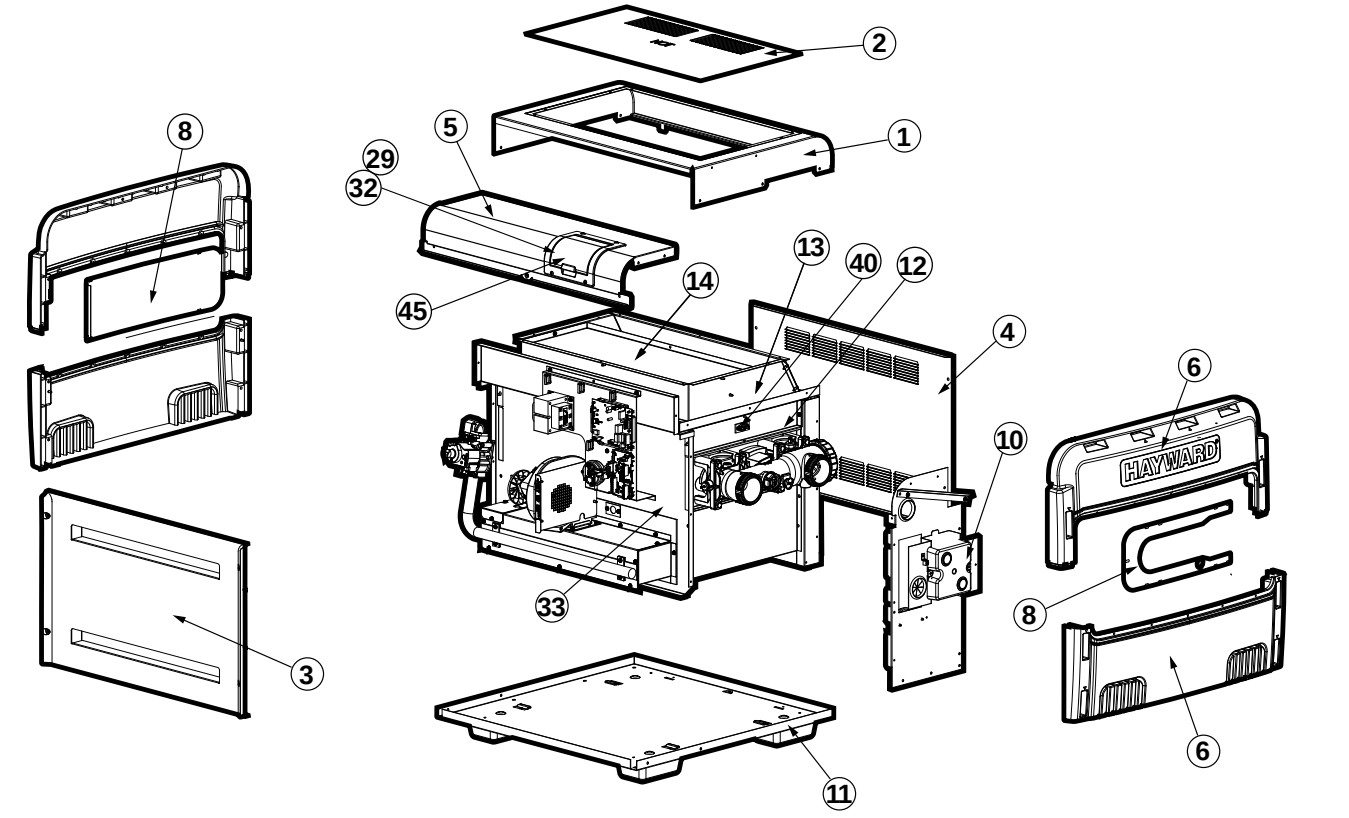
| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | HDXFTOP001 | Cabinet Top |
| 2 | HDXFCAP001 | Control Access Panel Assembly |
| 3 | HDXFHCC001 | Header Controls Cover |
| 4 | HDXFWTP001 | Water Side Trim Panels |
| 5 | HDXFBOT001 | Cabinet Base |
| 6 | HDXFEXB001 | Exhaust Box Assembly |
| 7 | HDXFICBRD001 | Ignition Control Board |
| 8 | HDXFUIBRD001 | Display Board And Ribbon Cable |
| 9 | FDXLFWP1930 | Field Wiring Panel (Fuse Board) |
| 10 | FDXLTER1931 | Thermistor |
| 11 | HDXFDPS400 | Differential Pressure Switch |
| 12 | IDXL2TRF1930 | Transformer |
| 13 | FDXLWPS1931 | Water Pressure Switch |
| 14 | HDXFHLI001 | HDF High Limit Kit |
| 15 | HDXFIGFS001 | Ignitor and Flame Sensor |
| 16 | FDXLEGL1930 | Exhaust Gas Temp. Limit |
| 17 | HDXFGSV001 | Gas Valve |
| 18 | HDXFMAN001 | Gas Manifold |
| 19 | HDXFBWR001 | Combustion Blower |
| 20 | HDXFMXN400 | Natural Gas Fuel/Air Mixer |
| | HDXFMXP400 | Propane Fuel/Air Mixer |
| 21 | HDXFBRN400 | Burner |
| 22 | HDXFEXP001 | Exhaust Pipe Assembly |
| 23 | HDXFIOH001 | HDF Inlet/Outlet Header Kit |
| 24 | HDXFVHD001 | V-Header Assembly |
| 25 | CHXPLG1930 | Pressure Relief Port Plug |
| 26 | SPX4000FG | Drain Plug With O-Ring |
| 27 | HDXFHXA400 | HDF Combustion Chamber Replacement Kit |
| 28 | HDXFBSGK400 | Gasket Kit, Blower/Burner |
| **Kits Not Shown in Diagram** | | |
| — | HDXFHDW001 | HDF Header Hardware Kit |
| — | SPX3200UNKIT | Union Flange Kit |
| — | FDXLFSK1930 | Fuse Service Kit |
| — | HDXFWHA001 | Wiring Harness Kit, Complete |
| — | HDXFTUB001 | Silicone Tubing Kit |
| — | HDXFEAK001 | Electrical Accessory Kit |

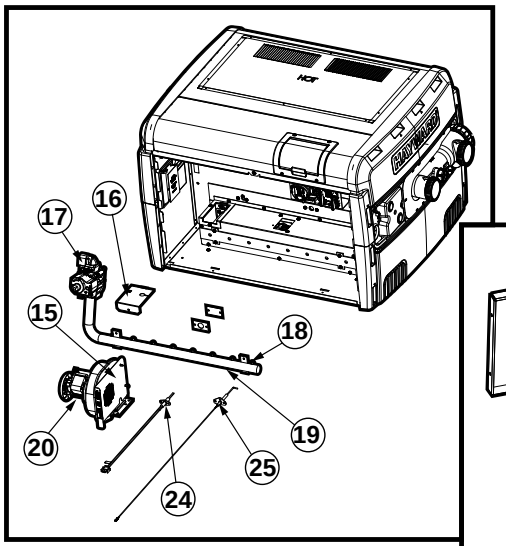
# Universal H-Series Low NOx

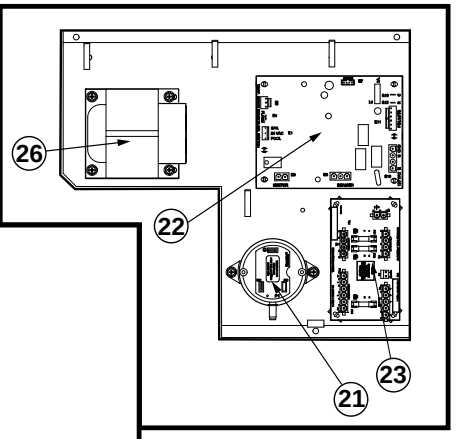
REPLACEMENT PARTS

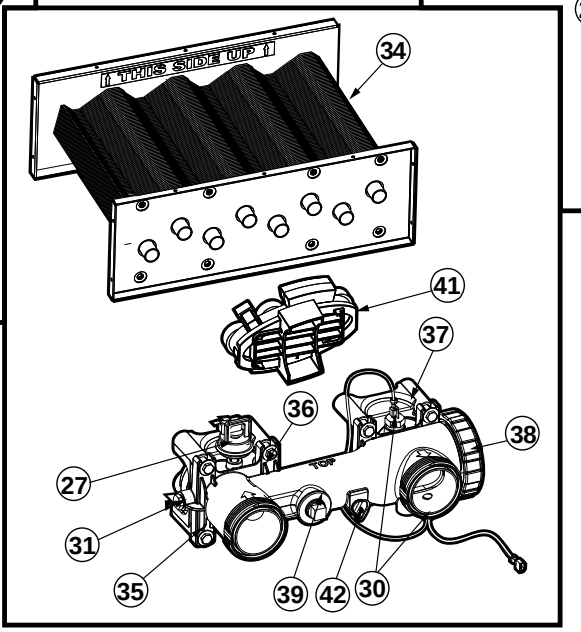


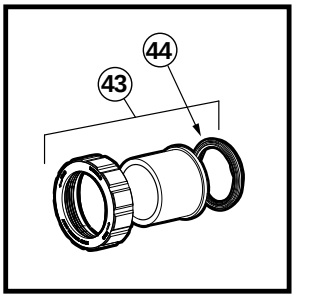
## Parts Diagram: H150FD, H200FD, H250FD, H300FD, H350FD, H400FD, H500FD



## 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 (pre 2020) |
| 27 | FDXLWPS1931 | 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 (pre 2020) |
| 31 | FDXLTER1931 | 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 |
| — | FDXLHAK1931 | 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) |
| — | UHXLOK1931 | 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" |

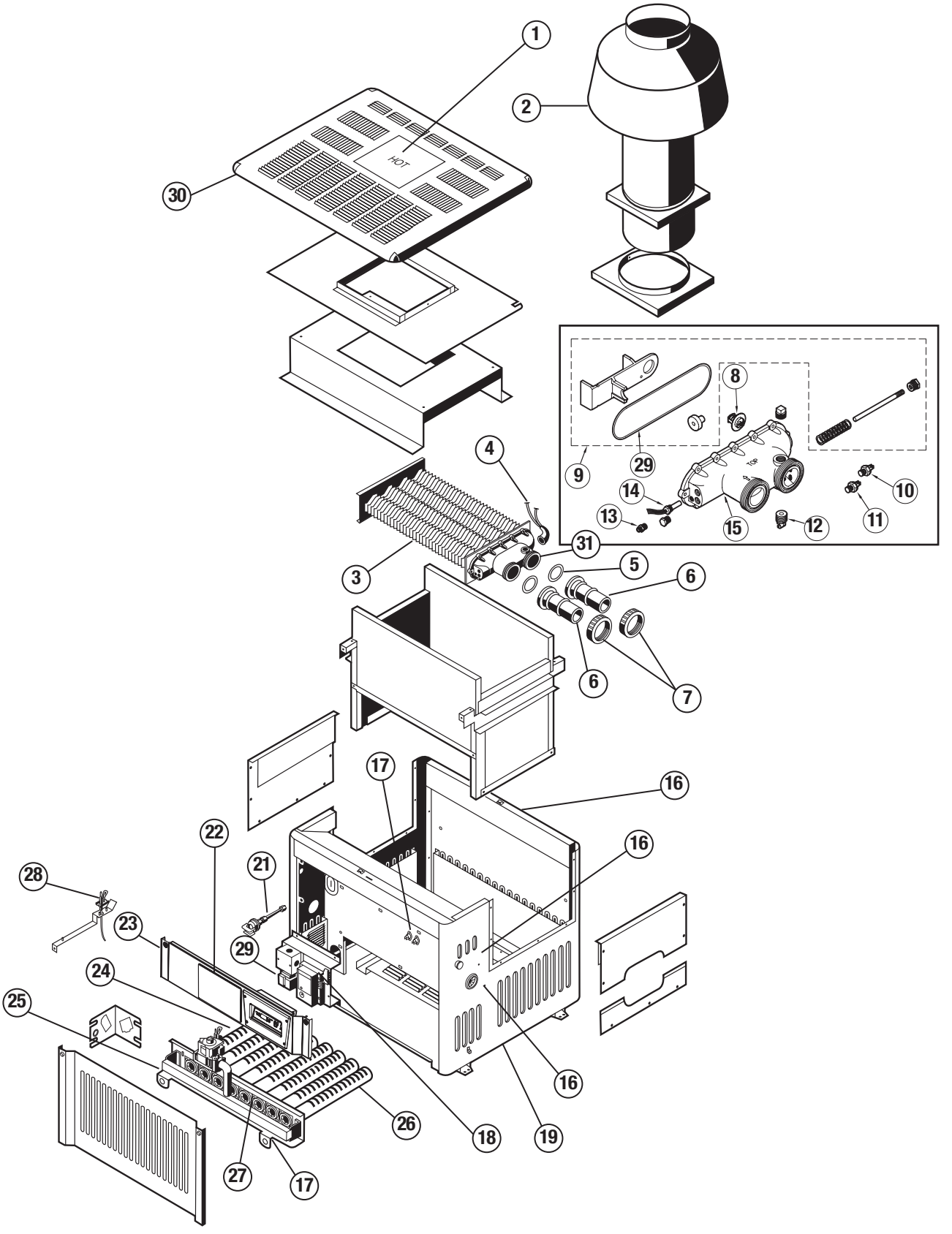
**NOTES:** *Used only on Heaters made after 9/9/08, serial #21130809100177001.
**Used only on models after 10/14, serial #21131410102839001.
‡Used only on heaters made after 7/13, serial #21131307100333001.
†Used only on heaters made 11/20/14, serial #21131411103613001.
†Used only on heaters made after 11/20/14, serial #21131411103613001.

# H-Series – Electronic (ED2 Style)

HEATER REPLACEMENT PARTS



## Parts Diagram



# H-Series – Electronic (ED2 Style)

HEATER REPLACEMENT PARTS

## Parts Listing

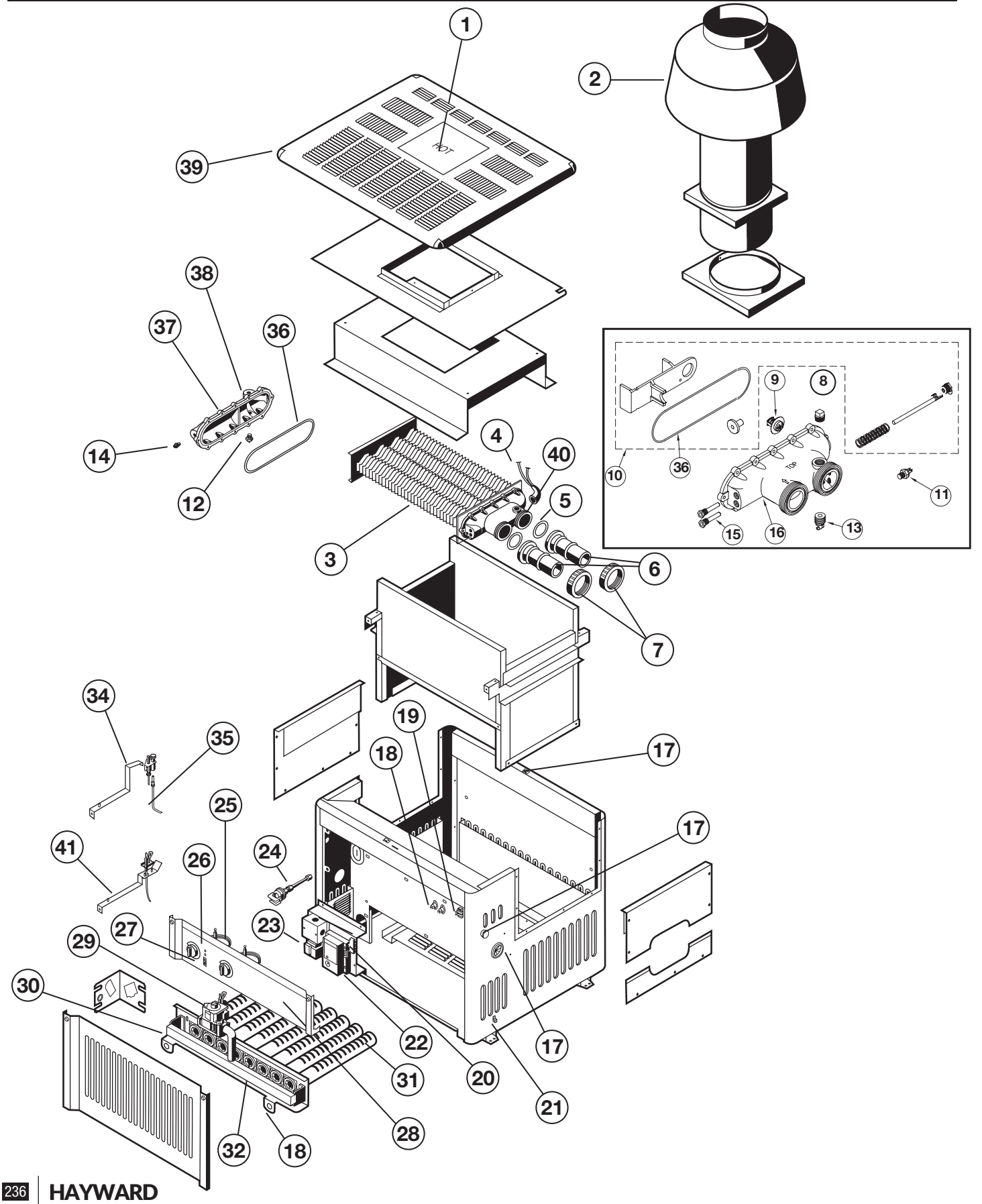
| Ref. No. | Part Number | Description |
|---|---|---|
| 1 | HAXDHO1930 | DHO Insert |
| 2 | DHI150 | Indoor Drafthood – 150 |
| 2 | DHI200 | Indoor Drafthood – 200 |
| 2 | DHI250 | Indoor Drafthood – 250 |
| 2 | HWS150 | High Wind Stack – 150 |
| 2 | HWS200 | High Wind Stack – 200 |
| 2 | HWS250 | High 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



# H-Series – Millivolt/Electronic (ED1 Style)

HEATER REPLACEMENT PARTS

## 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 | HAXFCT1930 | Flow Control Thermostat |
| 9 | CHXPLG1930 | 3/4" NPT Brass Plug |
| 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

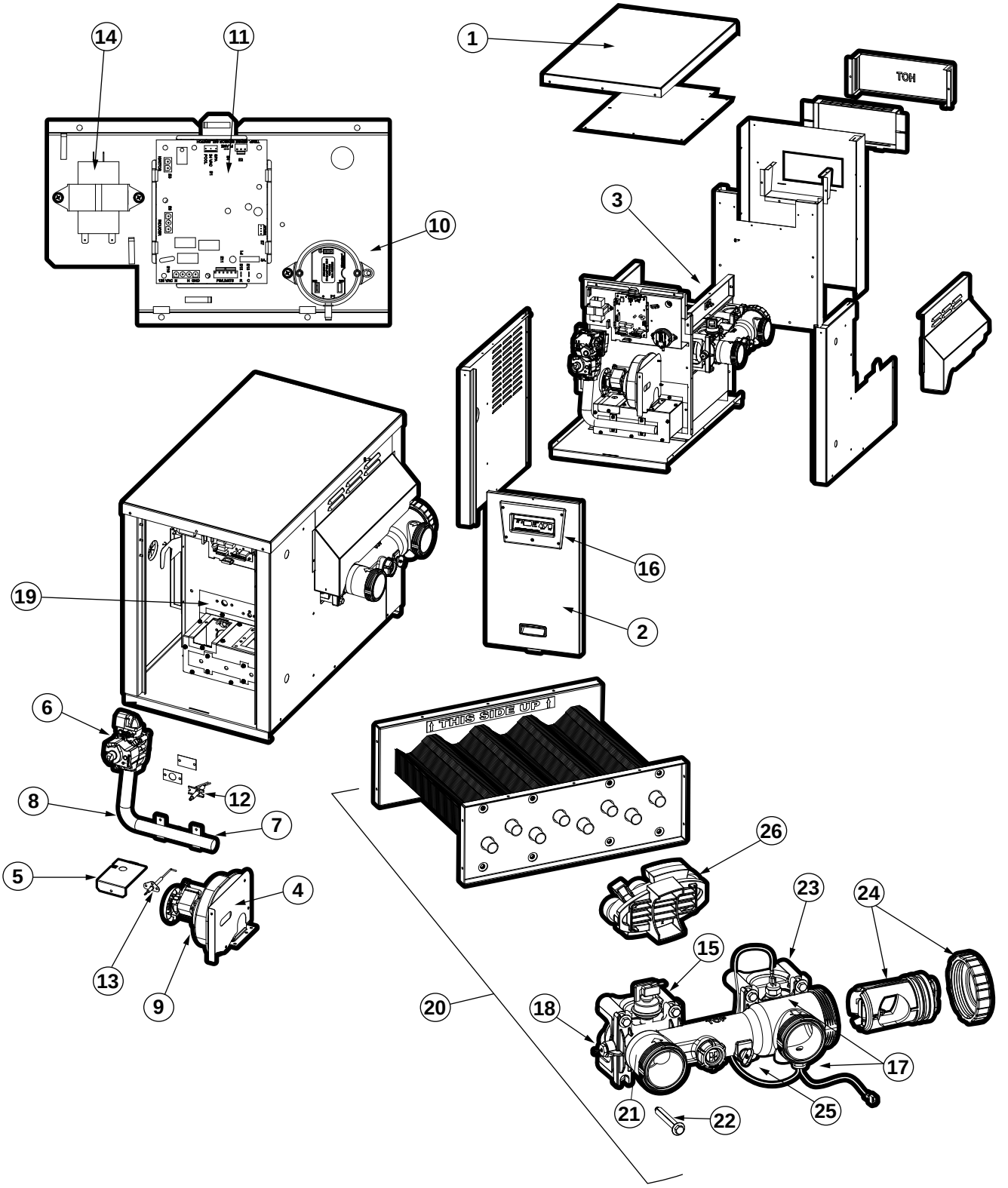
†Used on heaters made after 6/1/01

# H-Series

ABOVE-GROUND – 135K BTU HEATER REPLACEMENT PARTS



## Parts Diagram



## Parts Listing

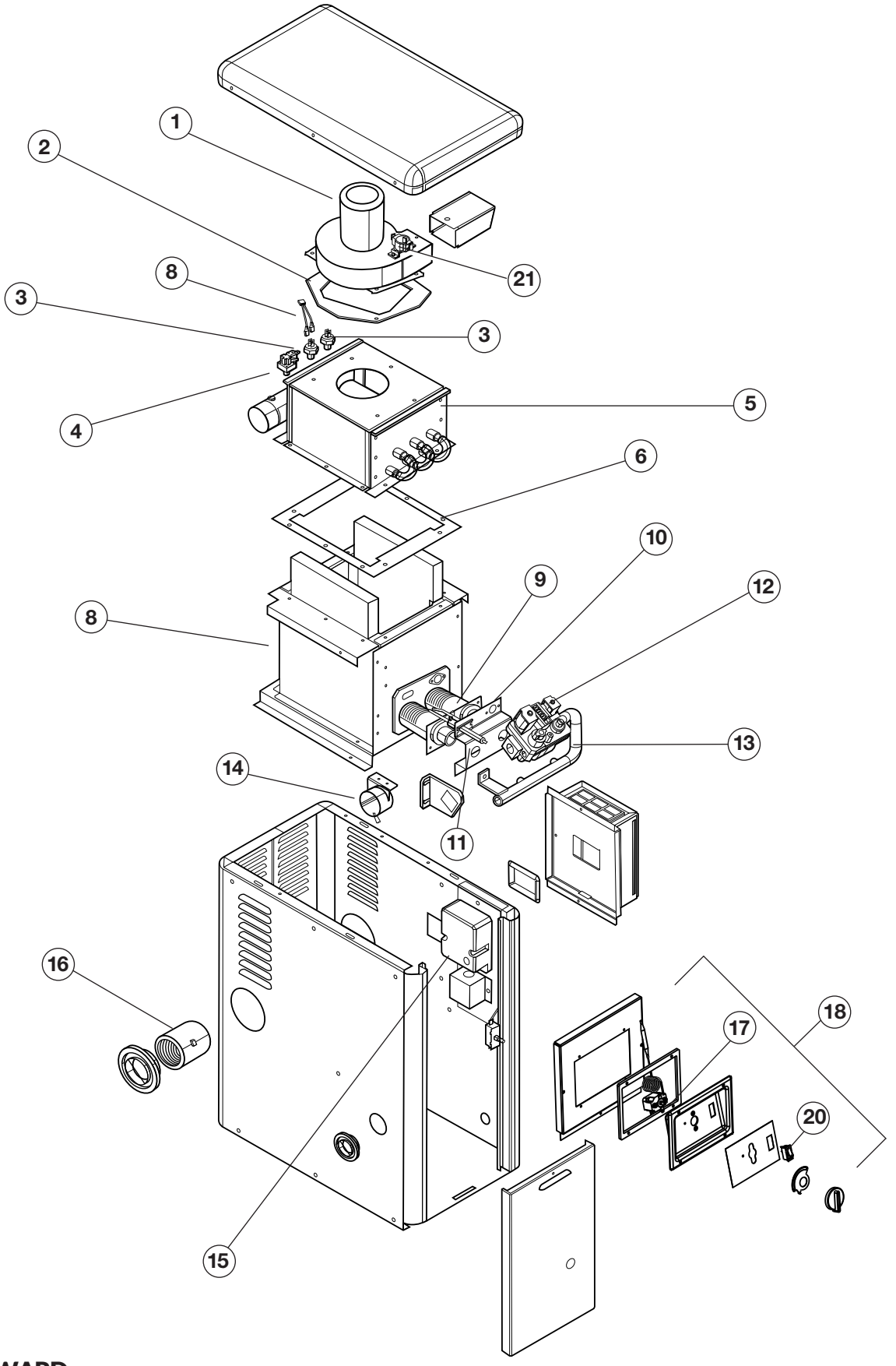
| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | IDXLJKT1135 | Jacket Top – H135ID/ABG135 |
| 2 | IDXLFAD1135P | Front Access Door Assembly – H135ID, Platinum – No Controls |
| | IDXLFAD1135B | Front Access Door Assembly – ABG135, Black – No Controls |
| 3 | FDXLFCS1931 | Flue Collector Side Panel without Temperature Limit |
| 4 | IDXLBBN1135 | Blower Inlet Baffle – 135K BTU Heater |
| 5 | FDXLIAC1930 | Igniter Access Cover |
| 6 | FDXLGSV0001 | Gas Valve, Natural |
| | FDXLGSV0002 | Gas Valve, Propane |
| 7 | IDXLBON1135 | Burner Orifice Kit, Natural – 135K BTU Heater |
| | IDXLBOP1135 | Burner Orifice Kit, Propane – 135K BTU Heater |
| 8 | FDXLGCK1135NP | Conversion Kit, NA to LP, Quick-Change – 135K BTU Heater |
| | FDXLGCK1135PN | Conversion Kit, LP to NA, Quick-Change – 135K BTU Heater |
| 9 | FDXLBWR1930 | Combustion Blower |
| 10 | FDXLBVS1930 | Blower Vacuum Switch |
| 11 | FDXLICB1930 | Integrated Control Board |
| 12 | FDXLIGN1930 | Ignitor |
| 13 | IDXLFLS1930 | Flame Sensor |
| 14 | IDXLTRF1135 | Transformer – 135K BTU Heater |
| 15 | FDXLWPS1930 | Water Pressure Switch (pre 2020) |
| 15 | FDXLWPS1931 | Water Pressure Switch |
| 16 | IDXLBKP1135 | Bezel and Keypad Assembly |
| 17 | FDXLHLI1930 | High Limit Kit |
| 18 | FDXLTER1930 | Thermistor (pre 2020) |
| 18 | FDXLTER1931 | Thermistor |
| 19 | FDXLGSK1934 | Gasket, CC Front/Air Box – All Models |
| 20 | FDXLHXA1150 | Heat Exchanger Assembly – 135K BTU Heater |
| 21 | FDXLFHA1930 | Inlet/Outlet Header Assembly |
| 22 | FDXLHDW1930 | Header Hardware Kit |
| 23 | FDXLHMB1930 | Header Mounting Base Kit |
| 24 | FDXLBKP1930 | Bypass Cartridge Kit |
| 25 | SPX4000FG | Drain Plug With Gasket |
| 26 | FDXLPRM1930 | Return Manifold Replacement Kit |
| **NOT PICTURED** | | |
| — | CHXRLV1930 | Pressure Relief Valve |
| — | IDXLGSK1135 | Gasket Kit – 135K BTU Heater |
| — | | 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 |
| — | FDXLBRN1931 | Burner (Qty 1) |
| — | FDXLFOR1930 | Header O-Ring Kit |
| — | FDXLEGL1930 | Exhaust Gas Temperature Limit (One-Use) |
| — | IDXLWHA1135 | Wiring Harness Kit, Complete |
| — | FDXLFSKC30 | Fuse Kit, 3.0A, for Integrated Control Board (Qty 10) |
| — | IDXLUKT1135 | Union Kit (Includes Fittings, Union Nuts, Gaskets) |

# 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

| Part Number | Part Description |
|---|---|
| CHXGEN1930 | Pilot Generator All Millivolt |
| CHXMSI1930 | Clicklite Manual Spark Ignitor H-Series, CZ, HM2, CPS |
| CHXPRS1931 | Pressure Switch |
| CHXPSA1930 | Pressure Switch |
| CHXRLV1930 | Relief Valve |
| CHXTBW1930 | Thermostat Bulb Well, All Gas |
| CHXTRF1930 | D/V Transformer CZ & HM2 Series |
| CHXTSK1930 | Thermostat Knob |
| CHXTST1930 | Thermostat without Knob |
| CHXTSW1930 | On/Off Switch |
| CHXTSW1931 | 3-Way Toggle Switch CZ & HM2 Series |
| CZXCON3645 | Contactor CSPA XI 240 Volt Coil |
| CZXELE7623 | Element 5500W 208/240V |
| CZXGKT7627 | Element Gasket |
| CZXHLC3105 | Hi Limit Spa XI CSPA XI |
| CZXLIT3613 | Power Ind. Lite Assembly 240V |
| CZXTNK6607 | Tank CSPA XI |
| CZXTSK2003 | Thermostat Knob Slip On – Replace with CZK |
| CZXTST3006 | Thermostat Mears Electric |
| FDXLBBN1500 | Blower Inlet Baffle – H500FD |
| FDXLBKP1930 | Bezel & Keypad Assembly |
| FDXLBON1500 | Burner Orifice Kit Natural Gas – H500FD Only |
| FDXLBOP1500 | Burner Orifice Kit Propane Gas – H500FD Only |
| FDXLBON1930 | Burner Orifice Kit Natural Gas – FD |
| FDXLBOP1930 | Burner Orifice Kit Propane Gas – FD |
| FDXLBRN1930 | Burner (Qty. 8) |
| FDXLBVS1930 | Blower Vacuum Switch |
| FDXLBWR1500 | Combustion Blower – H500FD Only |
| FDXLBWR1930 | Combustion Blower – FD |
| FDXLCNK0001 | Conversion Kit – NA to LP |
| FDXLCNK0002 | Conversion Kit – LP to NA |
| FDXLFAD1500 | Front Access Door Assembly – HS00FD |
| FDXLFAD1500A | Front Door Assembly, Gray, ASME – H500FD |
| FDXLFHA1930 | Header Assembly |
| FDXLFOR1930 | Header O-Ring Kit |
| 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) |
| FDXLFWP1930 | Field Wiring Panel – FD |
| FDXLGCK1150NP | Conversion Kit, NA to LP, Quick-Change – H150FD |
| FDXLGCK1150PN | Conversion Kit, LP to NA, Quick-Change – H150FD |
| FDXLGCK1200NP | Conversion Kit, NA to LP, Quick-Change – H200FD |
| FDXLGCK1200PN | Conversion Kit, LP to NA, Quick-Change – H200FD |
| FDXLGCK1250NP | Conversion Kit, NA to LP, Quick-Change – H250FD |
| FDXLGCK1250PN | Conversion Kit, LP to NA, Quick-Change – H250FD |
| FDXLGCK1300NP | Conversion Kit, NA to LP, Quick-Change – H300FD |
| FDXLGCK1300PN | Conversion Kit, LP to NA, Quick-Change – H300FD |
| FDXLGCK1350NP | Conversion Kit, NA to LP, Quick-Change – H350FD |
| FDXLGCK1350PN | Conversion Kit, LP to NA, Quick-Change – H350FD |
| FDXLGCK1400PN | Conversion Kit, LP to NA, Quick-Change – H400FD |
| FDXLGCK1400NP | Conversion Kit, NA to LP, Quick-Change – H400FD |
| FDXLGCK1500NP | Gas Conversion Kit, NA to LP, H500FD |
| FDXLGCK1500PN | Gas Conversion Kit, LP to NA, H500FD |
| FDXLGSK1930 | Gasket Kit – Air Side (All Models) |
| FDXLGSK1931 | Gasket Kit – Exhaust Side (All Models) |
| FDXLGSK1932 | Gasket, Bezel/Top – FD |
| FDXLGSK1933 | Insulation, Return Side Tube Sheet – FD |
| FDXLGSK1934 | Gasket, CC Front/Air Box – FD (All Models) |
| FDXLGSV0001 | Gas Valve Natural Gas – FD |
| FDXLGSV0002 | Gas Valve Propane Gas – FD |
| FDXLGSV1500N | Gas Valve Natural Gas – H500FD Only |
| FDXLGSV1500P | Gas Valve Propane Only – H500FD Only |
| FDXLHBP1150 | Heat Barrier Panel – H150FD |
| FDXLHBP1200 | Heat Barrier Panel – H200FD |
| FDXLHBP1250 | Heat Barrier Panel – H250FD |
| FDXLHBP1300 | Heat Barrier Panel – H300FD |
| FDXLHBP1350 | Heat Barrier Panel – H350FD |
| FDXLHBP1400 | Heat Barrier Panel – H400FD |
| FDXLHBP1500 | Heat Barrier Panel – H500FD |
| FDXLHDW1930 | Header Hardware Kit |
| FDXLHLI1930 | High Limit 135°F |
| FDXLHMB1930 | Header Mounting Base Kit |
| FDXLHXA1150 | Heat Exchanger Assembly – H150FD |
| FDXLHXA1200 | Heat Exchanger Assembly – H200FD |
| FDXLHXA1250 | Heat Exchanger Assembly – H250FD |
| FDXLHXA1300 | Heat Exchanger Assembly – H300FD |
| FDXLHXA1350 | Heat Exchanger Assembly – H350FD |
| FDXLHXA1400 | Heat Exchanger Assembly – H400FD |
| FDXLHXA1500 | Heat Exchanger Assembly – H500FD |
| FDXLIAC1930 | Ignitor Access Cover |
| FDXLICB1930 | Integrated Control Board – FD |
| FDXLIGN1930 | Ignitor – FD |

**NOTE:** If the part number you are looking for is not in this price book it is no longer available.

# Heater Replacement Parts

| Part Number | Part Description |
|---|---|
| FDXLJKT1150 | Jacket Top & Flue Cover – H150FD |
| FDXLJKT1200 | Jacket Top & Flue Cover – H200FD |
| FDXLJKT1250 | Jacket Top & Flue Cover – H250FD |
| FDXLJKT1300 | Jacket Top & Flue Cover – H300FD |
| FDXLJKT1400 | Jacket Top and Flue Cover – H400FD |
| FDXLLEC1930 | Lower End Cap – FD |
| FDXLPBL1930 | Base Leg – FD |
| FDXLRGK1151 | Rain Guard Assembly – H150FD |
| FDXLRGK1201 | Rain Guard Assembly – H200FD |
| FDXLRGK1251 | Rain Guard Assembly – H250FD |
| FDXLRGK1301 | Rain Guard Assembly – H300FD |
| FDXLRGK1351 | Rain Guard Assembly – H350FD |
| FDXLRGK1401 | Rain Guard Assembly – H400FD |
| FDXLRGK1500 | Rain Guard Assembly – H500FD |
| FDXLBTP1930 | Bottom Trim Panel Kit |
| FDXLRTP1930 | Right Trim Panel Kit |
| FDXLTDK1930 | Tie-Down Kit – FD |
| FDXLTER1930 | Thermistor (pre 2020) |
| FDXLTER1931 | Thermistor |
| FDXLTFC1150 | Top/Flue Cover – H150FD |
| FDXLTFC1200 | Top/Flue Cover – H200FD |
| FDXLTFC1250 | Top/Flue Cover – H250FD |
| FDXLTFC1300 | Top/Flue Cover – H300FD |
| FDXLTFC1350 | Top/Flue Cover – H350FD |
| FDXLTFC1400 | Top/Flue Cover – H400FD |
| FDXLTFC1500 | Top/Flue Cover – H500FD |
| FDXLUEC1930 | Upper End Cap – FD |
| FDXLVPS1930 | Vent Pressure Switch, Indoor, 0–2,000 ft |
| FDXLVPS1931 | Vent Pressure Switch, Indoor, 2,000–10,100 ft |
| FDXLWHA0001 | Wiring Harness Kit Complete – FD |
| FDXLWHA1930 | Wiring Harness Kit Complete – FD |
| FDXLWPS1930 | Water Pressure Switch (pre 2020) |
| FDXLWPS1931 | Water Pressure Switch |
| HAXBON1930 | Burner Orifice NA |
| HAXBON1931 | Burner Orifice NA High Altitude |
| HAXBON210 | Burner Orifice, NA, H210 Only |
| HAXBOP210 | Burner Orifice, LP, H210 Only |
| HAXBRN1930 | Main Burner – H Series |
| HAXCPA1932 | Control Bezel Assembly |
| HAXCPA2150 | Control Panel Assembly – 150 MV (after 5/98) |
| HAXCPA2250 | Control Panel Assembly – 250 MV (after 5/98) |
| HAXCPA2300 | Control Panel Assembly – 300 MV (after 5/98) |
| HAXCPA3203 | Control Panel Assembly H200ED2 |
| HAXCPA3253 | Control Panel Assembly H250ED2 |
| HAXCPA3303 | Control Panel Assembly H300ED2 |
| HAXCPA3353 | Control Panel Assembly H350ED2 |
| HAXCPA3403 | Control Panel Assembly H400ED2 |
| HAXDHO1930 | DHO Insert |
| HAXDRV1930 | Drain Valve Assembly |
| HAXFCT1930 | Flow Control Thermostat |
| HAXFHA1931 | Assembly, Front Header – H Series (after 10/28/00) |
| HAXFHD1930 | Front Header Only |
| HAXFHD1931 | Front Header Only (after 10/28/00) |
| HAXFOR1930 | Flange O-Ring |
| HAXGSV0001 | Gas Valve 150 – 400 NA MV |
| HAXGSV0003 | Gas Valve 150 – 400 LP MV |
| HAXGSV0004 | Gas Valve 150 – 400 LP DS |
| HAXGSV0005 | Gas Valve 150 – 400 NA DS |
| HAXHLI1930 | Hi-Limit 135°F |
| HAXHOR1930 | Header O-Ring |
| HAXHXA1153 | Heat Exchanger Assembly – H150 |
| HAXHXA1203 | Heat Exchanger Assembly – H200 |
| HAXHXA1210 | Heat Exchanger Assembly – H210 |
| HAXHXA1253 | Heat Exchanger Assembly – H250 |
| HAXHXA1303 | Heat Exchanger Assembly – H300 |
| HAXHXA1353 | Heat Exchanger Assembly – H350 |
| HAXHXA1403 | Heat Exchanger Assembly – H400 |
| HAXIGN1931 | Ignitor |
| HAXMOD1930 | Control Module |
| HAXNIP1930 | Union Connector |
| HAXNUT1930 | Union Nut |
| HAXPLT1931 | Pilot, NA MV PSE-NA15 |
| HAXPLT1932 | Pilot, LP MV PSE-LP15 |
| HAXPNT1930 | Touch-up Paint, H-Series |
| HAXPSA1930 | Pressure Switch Assembly Kit |
| HAXRHD1930 | Rear Header Only |
| HAXRSA1930 | Roll Out Switch Kit |
| HAXTLK1930 | Temperature Limiters Kit |
| HAXTRK1930 | Pilot Tube Replacement Kit |
| HAXTST1930 | Thermostat with Knob |
| HAXWHA0001 | Wire Harness MV Front H |
| HAXWHA0003 | Wire Harness DS Rear H |
| HAXWHA0005 | Wire Harness (Electronic) |
| HAXWHA0006 | Wire Harness Rear, ID Series |

**NOTE:** If the part number you are looking for is not in this price book it is no longer available.

# Heater Replacement Parts

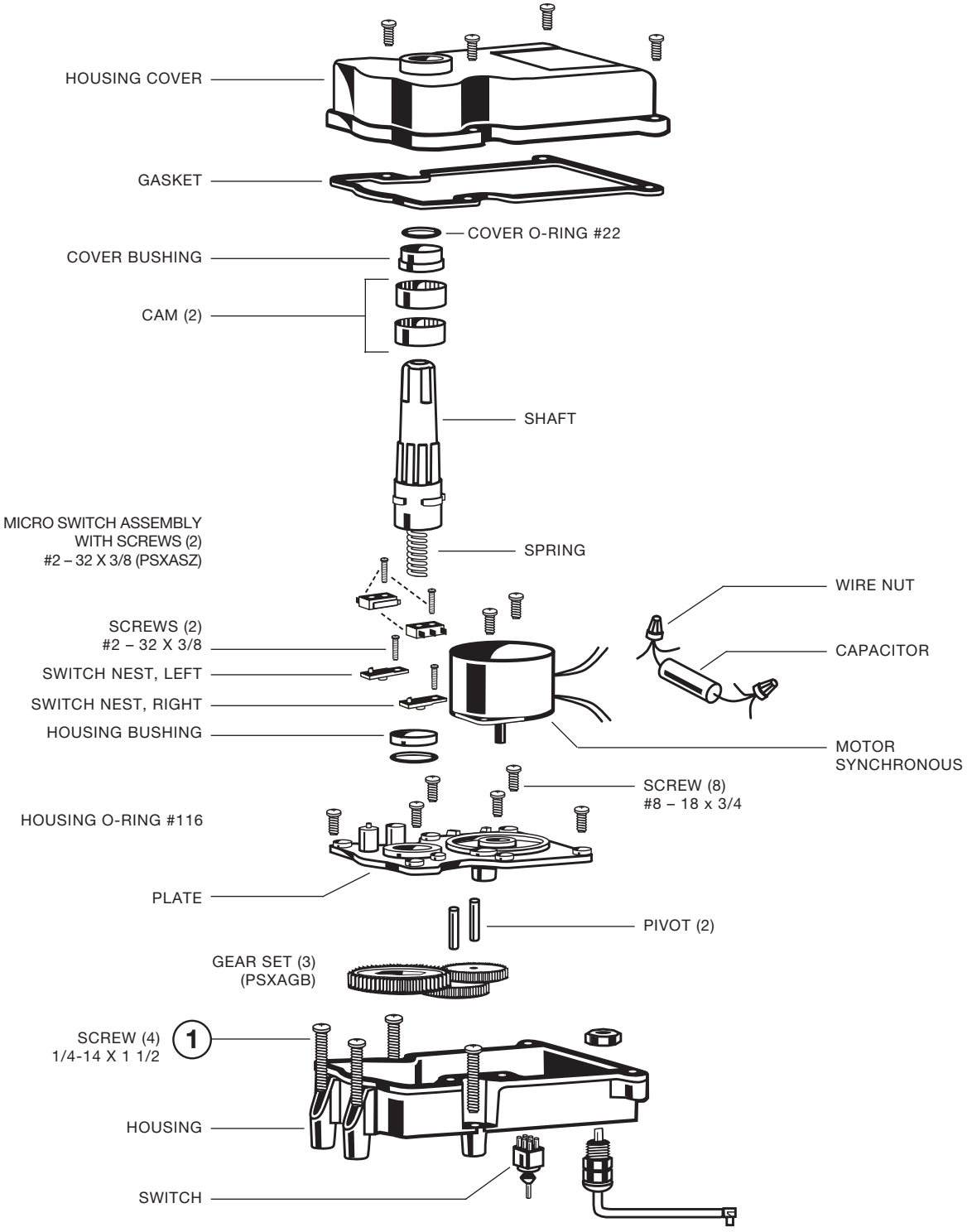


| Part Number | Part Description |
|---|---|
| HAXWHA0007 | Rear Wire Harness |
| HAXWHA0008 | Main Wire Harness |
| HMXHLI2932 | Immersion Hi Limit Rear Header 160° HM |
| IDXAPS1930 | Air Pressure Switch |
| IDXBLG1930 | Blower Gasket |
| IDXBNR1930 | Burner, Natural or Propane |
| IDXBRG1930 | Burner Gasket |
| IDXCNK1933 | Conversion Kit, Natural to Propane, H100 |
| IDXCNK1934 | Conversion Kit, Propane to Natural, H100 |
| IDXCPG1931 | Coupling – 2" |
| IDXFAD1101 | Front Access Door (after S/N 20A01209) |
| IDXHLK1930 | Hi-Limit Kit |
| IDXHXA1101 | Heat Exchanger Assembly |
| IDXHXA1102 | Heat Exchanger Assembly |
| IDXIGN1930 | Ignitor |
| IDXJKT1100 | Jacket Top |
| IDXKIT1930 | Consumer Kit |
| IDXL2BVS1930 | Blower Vacuum Switch |
| IDXL2DB1930 | Display Board Only – FD & IDL2 |
| IDXL2FSB1930 | Fuse Board |
| IDXL2FSK1930 | Complete Set of Fuses |
| IDXL2ICB1931 | Integrated Control Board |
| IDXL2IGN1930 | Silicone Nitride Ignitor |
| IDXL2SNT1930 | Silicon Tube 2.5 |
| IDXL2TRF1930 | Transformer |
| IDXL2VPS1930 | Vent Pressure Switch |
| IDXL2WHM1930 | Wire Harness Main – 120V |
| IDXLBVS1930 | Blower Vacuum Hitch |
| IDXLBWR1930 | Combustion Blower – 240V |
| IDXLBWR1931 | Combustion Blower – 120V |
| IDXLCPA1250 | Control Panel Assembly – H250IDL |
| IDXLCPA1400 | Control Panel Assembly – H400IDL |
| IDXLCPA1930 | Control Panel Assembly |
| IDXLFLS1930 | Flame Sensor |
| IDXLHXA1250 | Heat Exchanger Assembly – H250IDL |
| IDXLHXA1400 | Heat Exchanger Assembly – H400IDL |

| Part Number | Part Description |
|---|---|
| IDXLIGN1930 | Ignitor – 240V |
| IDXLTER1930 | Thermistor |
| IDXLTMB1931 | Terminal Block – 5 Pole |
| IDXLVPS1930 | Vent Pressure Switch |
| IDXLWHM1930 | Wire Harness Main – 240V |
| IDXMAN1100 | Manifold |
| IDXMOD1930 | Ignition Module |
| IDXWHA1931 | Wire Harness |
| IHXILS1930 | Interlock Switch – 240V |
| IHXMOD1931 | Control Module |
| IHXTRF1930 | Transformer – 240V |
| UHXFSW1930 | Water Flow Switch Kit |
| UHXPOSHZ14008 | Indoor Vent Adapter Kit, H400FD, Positive-Pressure (Horizontal) |
| UHXNEGVT15008 | Indoor Vent Adapter Kit, H500FD, Negative-Pressure (Vertical) |
| UHXPOSHZ11506 | Indoor Vent Adapter Kit, H150FD, Positive-Pressure (Horizontal) |
| UHXPOSHZ12008 | Indoor Vent Adapter Kit, H200FD, Positive-Pressure (Horizontal) |
| UHXPOSHZ12506 | Indoor Vent Adapter Kit, H250FD, Positive-Pressure (Horizontal) |
| UHXPOSHZ13008 | Indoor Vent Adapter Kit, H300F, Positive-Pressure (Horizontal) |
| UHXPOSHZ13508 | Indoor Vent Adapter Kit, H350FD, Positive-Pressure (Horizontal) |
| UHXNEGVT14008 | Indoor Vent Adapter Kit, H400FD, Negative-Pressure (Vertical) |
| UHXPOSHZ15002 | Indoor Vent Adapter Kit, H500FD, Positive-Pressure (Horizontal) |
| 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) |
| UHXTFP1930 | Water Flow Switch & Temp/Pressure Gauge Kit |
| UHXTFP1930 | Water Flow Switch & Temp Pressure Gauge Kit |
| UHXNEGVT14008 | Indoor Vent Adapter Kit, H400FD, Negative-Pressure (Vertical) |
| UHXNEGVT15002 | Indoor Vent Adapter Kit, H500FD, Negative-Pressure (Vertical) |
| UHXPOSHZ11506 | Indoor Vent Adapter Kit, H150FD, Positive-Pressure (Horizontal) |
| UHXPOSHZ12001 | Indoor Vent Adapter Kit, H200FD, Positive-Pressure (Horizontal) |

**NOTE:** If the part number you are looking for is not in this price book it is no longer available.

## Parts Listing




| Ref. No. | Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | GLX-GVA-4SCR | Mounting Screws (Set of 4) | 8 | 1 |

# Automation & Sanitization

REPLACEMENT PARTS

## OMNILOGIC AND OMNIPL (PRE 2022)

| Part No. | Description |
|---|---|
| HLRELAY | OmniLogic Relay |
| HLX-CRADLE | Omni Remote Replacement Charging Cradle |
| HLX-LCD | LCD without MSP, Replacement, OmniLogic |
| HLX-LCD0520 | LCD without MSP, Replacement, OmniLogic (5/20 or newer) |
| HLX-DSP-MOUNT | OmniLogic Replacement Display Mount |
| HLX-EXP-DSP | OmniLogic Expansion Panel Display |
| HLX-LOC-DSP | OmniLogic Replacement Local Display |
| HLX-PCB-MAIN | OmniLogic Replacement Main Control Board |
| HLXCONNKIT | Kit, Replacement, Connectors |
| HLXPLCONTROL | OmniPL Replacement Controller |
| HLX-PCB-TCELL | T-Cell PCB Board |
| HLX-PSUPPLY | Power Supply Assembly |
| HLX-TRNSFMR | OmniLogic Transformer |
| HLXSTYLUS5PK | Replacement Stylus (5 pack) |
| HLXUSB5PK | Replacement USB (5 pack) |
| HLXLATCH | OmniLogic Replacement Door Latch |
| HLXBRACKET | OmniLogic Replacement Mounting Brackets |
| HLXDEADFRONT | OmniLogic Replacement Deadfront |
| HLXDOOR | OmniLogic Replacement Door |
| HLXFANKIT | OmniLogic Replacement Fan Kit |
| HLXPL485100 | OmniPL RS485 Extension 100 ft. |

**NOTE:** Mobile phone and tablet not included with OmniLogic.




OmniLogic Pool and Spa Automation System

## OMNIPL (2023 OR LATER)

| Part No. | Description |
|---|---|
| HLXPLFRONT | Replacement, Deadfront |
| HLXPLXFMR | Replacement, Transformer |
| HLXPLCABLEKIT | Replacement, Cablekit, Retrofit |
| HLXPLPCBMAIN | Replacement, PCBA |



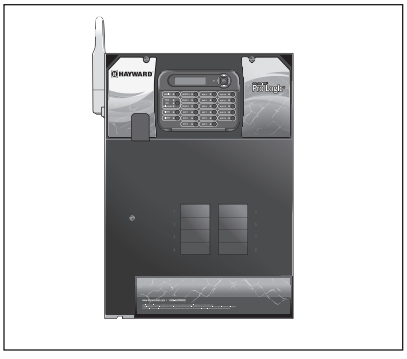

OmniPL

## OMNIHUB

| Part No. | Description |
|---|---|
| HLHCONTROL | OmniHub®/VS Omni™ Replacement Controller |
| HLX-LCD | LCD without MSP, Replacement, OmniLogic |
| HLX-LCD0520 | LCD without MSP, Replacement, OmniLogic (5/20 to present) |
| HLXDCOVER | Replacement, Sun Cover |
| HLXDLCD | Replacement, LCD Display |
| HLXDSPCASE | Replacement, Display Case |
| HLXHIOPCB | Replacement, OmniHub PCB |
| HLXHUBCASE | Replacement, Hub Case |
| HLXHW5PK | Replacement, OmniHub Hardware (5 pack) |
| HLXJBOX | Replacement, J-Box |
| HLXRLYLABL | Replacement, Relay Label |
| HLXWHIP6 | Replacement, Omni® 6 ft Whip |
| HLX485RELAY | Replacement, Smart Relay |
| HLX485100 | Replacement, RS485 100 ft Extension |




OmniHub wiring base unit, smart relay, and control pad



ProLogic

## PROLOGIC®

| Part No. | Description |
|---|---|
| GLX-PCB-PRO* | Main PCB, ProLogic |
| HLPROUPG | OmniLogic Retrofit Kit with App |
| GLX-PL-LOC-P-4 | Display, Local, ProLogic, P-4 |
| GLX-PL-LOC-PS4 | Display, Local, ProLogic, PS-4 |
| GLX-PL-LOC-PS8 | Display, Local, ProLogic, PS-8 |
| GLX-PL-LOC-PS16 | Display, Local, ProLogic, PS-16 |
| HLX-CRADLE | Charging Cradle, Replacement |
| AQL2-BASE-RF | Base Station, Wireless |
| AQL2-TB-RF-P-4 | Wireless Remote, Tabletop, P-4, Black |
| AQL2-TW-RF-P-4 | Wireless Remote, Tabletop, P-4, White |
| AQL2-TB-RF-PS-4 | Wireless Remote, Tabletop, PS-4, Black |
| AQL2-TW-RF-PS-4 | Wireless Remote, Tabletop, PS-4, White |
| AQL2-TB-RF-PS-8 | Wireless Remote, Tabletop, PS-8, Black |
| AQL2-TW-RF-PS-8 | Wireless Remote, Tabletop, PS-8, White |
| AQL2-TB-RF-PS16 | Wireless Remote, Tabletop, PS-16, Black |
| AQL2-WW-PS-4 | Wired Remote, Wall Mount, PS-4, White |
| AQL2-WW-PS-8 | Wired Remote, Wall Mount, PS-8, White |
| AQL2-WW-PS-16 | Wired Remote, Wall Mount, PS-16, White |
| AQL2-WW-RF-PS-8 | Wireless Remote, Wall Mount, PS-8, White |
| GLX-STDOFFPAK20 | Display Standoff (Pack of 20) |
| GLX-ACT-CONN | Actuator Connector |

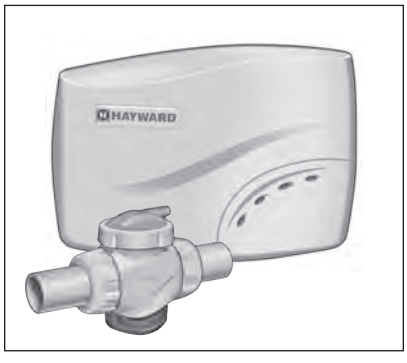
NOTE: *For units produced after October 2008.



OnCommand

## ONCOMMAND®

| Part No. | Description |
|---|---|
| GLX-PCB-ONCOM | Main PCB, OnCommand |
| GLX-LOC-ONCOM | Display, Local, OnCommand |



Salt & Swim 3C

## SALT & SWIM® 3C

| Part No. | Description |
|---|---|
| W3SAS-CELL | Salt & Swim 3C Replacement Cell |
| GLX-CTL-DIY | Salt & Swim 3C Control Box |
| GLX-DIY-CORD | Salt & Swim 3C Replacement Power Cord |
| GLX-DIY-CABLE | Salt & Swim 3C Replacement Cell Cable |
| GLX-DIY-DOOR | Salt & Swim 3C Replacement Door |
| GLX-DIY-VESSEL | Salt & Swim 3C Replacement Vessel |
| GLX-DIY-CAP | DIY, Winterizing Cap |
| GLX-DIY-CCN15 | 1.5" Ring, Collar and Nut Set |
| GLX-DIY-CCN2 | 2" Ring, Collar and Nut Set |
| GLX-DIY-CUP | Cell Cleaning Cup |
| GLX-DIY-ORING | O-Ring for Salt Cell |
| GLX-DIY-UNION | Salt & Swim 3C Pro Union Kit |
| HLX-DIY-VSLNUT | Salt & Swim Vessel Nut – Top |

# Automation & Sanitization

REPLACEMENT PARTS

## S3 REPLACEMENT

| Part No. | Description |
|---|---|
| GLX-CTL-AR-PRO | Control Unit, AquaRite Pro |
| GLX-PCB-AR-PRO | Main PCB, AquaRite Pro |
| GLX-AR-PRO-MEM | Display, Membrane Key Pad, Dead Front |
| GLX-XFMR-AQRS3 | Replacement, Transformer, AQRS3 |
| GLXAQR100CCABLE | Replacement Cell Cable, AQR100 |
| GLXAQR100CTL | Replacement Controller, AQR100 |
| GLXAQR100DOOR | Replacement Door, AQR100 |
| GLXAQR100PCB | Replacement PCB, AQR100 |
| GLXAQR100PCORD | Replacement Power Cord, AQR100 |
| GLXAQR100VESNUT | Replacement Vessel Nut, AQR100 |
| GLXAQR100VESSEL | Replacement Vessel without Cell, AQR100 |
| GLXAQR100XFMR | Replacement Transformer, AQR100 |
| GLXS3DISPLAY | Replacement, Display, AQRS3 |
| GLXS3FUSE | Replacement, Fuses, AQRS3 |
| GLXS3HANDLE | Replacement, Handle, AQRS3 |
| GLXS3OMNIPCB | Replacement, PCBA, AQRS3 OMNI |
| GLXS3PCB | Replacement, PCBA, AQRS3 |
| GLXS3PLXFMR | Replacement, Transformer, S3 OmniPL |
| GLXS3RELAY | Replacement, Relay, AQRS3 |



AquaRite S3

## AQUARITE PRO

| Part No. | Description |
|---|---|
| GLX-CTL-AR-PRO | Control Unit, AquaRite Pro |
| GLX-PCB-AR-PRO | Main PCB, AquaRite Pro |
| GLX-AR-PRO-MEM | Display, Membrane Key Pad, Dead Front |




AquaRite Pro

## AQUARITE

| Part No. | Description |
|---|---|
| GLX-CTL-RITE | Control Unit, AquaRite |
| GLX-PCB-RITE | Main PCB, AquaRite |
| GLX-PCB-DSP | Display PCB, AquaRite |
| GLX-FLO-RPPAK10 | Replacement Flow Switch (Pack of 10) |
| GLX-FLO-RP | Replacement Flow Switch – 15' cable (no tee) |
| GLX-FLO-RP-25 | Replacement Flow Switch – 25' cable (no tee) |
| GLX-FLO-T | Flow Switch Tee |
| GLX-XFMR | Transformer |
| GLX-R-10PK | Rectifier (10 pack) |
| GLX-F20-10PK | 20 Amp Glass Fuse (10 pack) |
| GLX-F20A-10PK | 20 Amp Yellow Fuse (10 pack) |
| GLX-CELLSTAND | Salt Cell Cleaning Stand |
| GLX-CELL-UNION | Salt Cell Union – Tailpiece, Nut and O-Ring |
| GLX-CELL-PIPE | Salt Cell Placeholder |
| GLX-SALTMETER | Handheld Digital Salt Meter |
| GLX-STDOFFPAK20 | Display Standoff (Pack of 20) |




AquaRite



Sense and Dispense

## SENSE & DISPENSE

| Part No. | Description |
|---|---|
| GLX-PROBE-ORP | Probe, ORP Replacement |
| GLX-PROBE-PH | Probe, pH Replacement |
| GLX-SD-ELEC-MOD | Sense and Dispense Electronics Module |
| GLX-SD-FLOW* | Flow Cell, Sense and Dispense only |
| GLX-WINTER-KIT | Kit-Replacement, Winterizing |
| GLX-SADDLE | Saddle Clamp |

**NOTE:** *This SKU replaces GLX-FLOW-CELL




AquaTrol

## AQUATROL

| Part No. | Description |
|---|---|
| GLX-CTL-TR-HP | Control Unit, AquaTrol – HP, straight blade |
| GLX-CTL-TR-HP-T | Control Unit, AquaTrol – HP, twist lock |
| GLX-CTL-TR-RJ | Control Unit, AquaTrol – RJ, straight blade |
| GLX-CTL-TR-RJ-T | Control Unit, AquaTrol – RJ, twist lock |
| GLX-RJ-ELBOW | Fitting, Return Jet |
| GLX-TROL-TIMER | 24 hour Timeclock |
| GLX-PCB-TROL-RJ | Main PCB, AquaTrol RJ |
| GLX-PCB-TROL-HP | Main PCB, AquaTrol HP |
| GLX-CELL-5 | TurboCell®, 20K gallons |
| TCELLS318 | TurboCell S3 Salt Cell 18K gallons, clear cell |



## SALT & SWIM ABOVE GROUND

| Part No. | Description |
|---|---|
| GLX-CTL-SASAG | Salt & Swim Above Ground Control Box with 120V power cord, straight blade |
| GLX-CTL-SASAG-T | Salt & Swim Above Ground Control Box with 120V power cord, twist lock |
| SAS-CELL-ABG | Salt & Swim Above Ground Replacement Cell |

# Automation & Sanitization

REPLACEMENT PARTS

## HYDRORITE

| Part No. | Description |
|---|---|
| GLX-HYDCTLUVO | Controller, UV/Ozone |
| GLX-HYDVESSUVO | Vessel Body, UV/Ozone with Unions |
| GLX-HYDXFMR | Power Tranformer |
| GLX-HYDPCB | Interconnect PCB |
| GLX-HYDFUSE | PCB Fuse Kit (Quantity of 10) |
| GLX-HYDBALLAST | Ballast with Cable Harnesses |
| HYXSLACA | UV Lamp Cable |
| HYXSFANA | Fan Assembly |
| GLX-HYDSLEEVE | Stainless Steel Sleeve with O-Ring |
| GLX-HYDMAN | Ozone Manifold and Interlock Switch |
| HYX2DQSA | Quartz Sleeve Assembly |
| GLX-HYD-LAMPUVO | Residential Lamp, Ozone Producing |
| GLX-HYDVENKIT | Venturi Tube Kit |
| GLX-HYDVEN | 2" Venturi, Residential |
| ECX12S | 2" PVC Pipe Connector Socket |
| ECX12T | 2" PVC Pipe Connector Threaded |
| TBX122 | 2" PVC Union Nut |
| BSX1CAP2 | 2" PVC Port Cap |
| BSX1PLUG2 | PVC Vessel Drain Plug |
| SB2KIT | Vessel O-Ring Kit |
| GVA-24 | Valve Actuator |
| PSV3S2 | 3-Port Diverter Valve |

## SALT CHLORINATOR CELLS (FOR AQUARITE, AQUARITE PRO, PROLOGIC)

| Part No. | Description |
|---|---|
| CCELL | AQR100 Replacement Cell, 30K gallons, 3 year warranty |
| GLX-CELL-3-W | TurboCell®, 15K gallons, 1 year warranty |
| GLX-CELL-5-W | TurboCell, 20K gallons, 1 year warranty |
| GLX-CELL-9-W | TurboCell, 25K gallons, 1 year warranty |
| GLX-CELL-15-W | TurboCell, 40K gallons, 1 year warranty |
| TCELL925-W | Warranty Cell for TCELL925, 1 year warranty |
| TCELL940-W | Warranty Cell for TCELL940, 1 year warranty |
| GLX-CELL-PIPE | Straight Pipe Placeholder for TurboCell |
| **GLX-CELL-UNION** | 2" Cell Union Kit (1 each of nut, tailpiece, O-Ring) |
| GLX-CELL-5 | TurboCell, 20K gallons, 3 year warranty |
| GLX-CELL-15-25 | TurboCell, 40K gallons, 3 year warranty, 25 ft. cord |
| GLX-CELLSTAND | Cleaning Stand for TurboCells |
| GLX-UNION-ORING | TurboCell Union O-Ring (pack of 12) |
| TCELLS315W | TurboCell S3 Salt Cell, 15K gallons, Warranty Replacement |
| TCELLS318W | TurboCell S3 Salt Cell, 18K gallons, Warranty Replacement |
| TCELLS325W | TurboCell S3 Salt Cell, 25K gallons, Warranty Replacement |
| TCELLS340W | TurboCell S3 Salt Cell, 40K gallons, Warranty Replacement |

## COMMON REPLACEMENT PARTS

| Part No. | Description |
|---|---|
| GLX-DRK | Rectifier Upgrade |
| GLX-FLO-RPPAK10 | Replacement Flow Switch (Pack of 10) |
| GLX-FLO-RP | Flow Switch (15' cable, no tee) |
| GLX-FLO-RP-25 | Flow Switch (25' cable, no tee) |
| GLX-FLO-T | Tee for Flow Switch |
| GLX-XFMR | Transformer |
| GLX-R-10PK | Rectifier (10 pack) |
| HLX08A10PK | Fuse Kit, 8A (10 pack) (for use with OmniLogic®) |
| GLX-F4A-PAK10 | Fuse Kit, 4A/Pink (10 pack) (for use with OmniLogic) |
| GLX-F5A-PAK10 | Fuse Kit, 5A/Brown (10 pack) (for use with OmniLogic) |
| GLX-F20-10PK | Fuse Kit, 20A (10 pack) (for AquaRite/Trol before 11/04) |
| GLX-F20A-10PK | Fuse Kit, 20A/yellow (10 pack) (all AquaLogic/Rite/Trol after 11/04) |
| GLX-F3A-10PK | Fuse Kit, 3A/violet (10 pack) (AquaLogic only) |
| GLX-FUSE-20 | Fuse Holder Kit (fuse holder and wires for Rite/Trol before 11/04) |
| GLX-PC-12-KIT | Temperature Sensor with 15' leads and hose clamp |
| GLX-RF-EXTEND | AQL2-BASE-RF extension 50' |
| GLX-RELAY | Relay, 3 H.P. |
| GLX-PWR-B | Power Supply, wall plug-in, for wireless remote – X = B (Black) |
| GLX-GVA-4SCR | Screws (4) for mounting GVA-24 Valve Actuator |
| GLX-FLO | Flow Switch (15' cable with tee) |
| GLX-FLO-25 | Flow Switch (25' cable with tee) |
| GLX-TLOUTLET-20 | 120V/15 amp Twist Lock Pump Outlet |
| GLX-OUTLET-15A | 120V/15 amp Pump Outlet |
| GLX-POD-CHGR | Battery Charger for AquaPod |
| GLX-CELLTST-STD | Stand for Cell Tester |
| GLX-CELL-TESTER | Tester for all TurboCell Electrolytic Cells |
| GLX-SS-RF | Wireless Spaside Remote Control |
| GLX-STDOFFPAK20 | Display Standoff (Pack of 20) |
| GLX-ACT-CONN | Actuator Connector Plug Kit |

# Automation & Sanitization

REPLACEMENT PARTS

## HYDRAPURE SPARE PARTS

| Part No. | Description |
|---|---|
| 005422901700 | Lamp UV (1 piece) |
| 005422901500 | Lamp UV (2 piece) with Boot and O-Ring |
| 005422510200 | Nut and Washer UV |
| 005422200909 | Quartz Tube with O-Ring and Cushion |
| 005422427100 | Boot F/2 Lamp |
| 005422510300 | Seal Kit Quartz Tube |
| 005952123000 | Lamp Only (1 piece) O3 |
| 005252829000 | Check Valve Swing 5 lbs. with Springs, No Body |
| 005952125000 | Tubing 3/8 x 24 Flexelene |
| 005252164000 | Plug 2" with O-Ring Pack |
| 005402250600 | Check Valve 2 lbs. 1/4 NPT x 3/8 Comp |
| 005401250300 | Check Valve 3 lbs. 1/4 NPT x 3/8 Comp |
| 005401250400 | Check Valve 4 lbs. 1/4 NPT x 3/8 Comp |
| 005402250500 | Check Valve 1 lb. 1/4 NPT x 3/8 Comp |
| 005952291500 | Plug Drain 1/2" with O-Ring Pack |
| 005952832500 | Screw Panel/Lid (16 + 4 Pack) |
| 005252832000 | Union 2.5 Kit (1 piece) with O-Ring |
| 005252831500 | Oring 2-232 F/ 2.5" Union (pack of 4) |
| 005952140100 | Lid Top with Membrane Switch and Screws |
| 005952147100 | Cable Ribbon F/Membrane Switch |
| 005952157000 | Ballast with Wires, Ozone |
| 005422386500 | Ballast with Wires, UV |
| 005952150100 | Board with Tubes and Sensor |
| 005952158100 | Wire Harness |

## HYDRAPURE 2.0 SPARE PARTS

| Part No. | Description |
|---|---|
| HYDRASCREWPK | Screw Pack Replacements |
| HYDRAMEMBRANE | Membrane Switch + Ribbon Cable Replacement |
| HYDRAORINGS | O-Ring Kit (All Pieces) |
| HYDRAPCBA | Board with Tubes and Sensor |
| HYDRAHARNESS | Wire Harness |
| HYDRACHKVLVBP | Bypass Butterfly Check Valve and Spring |
| HYDRACHKVLV2 | Check Valve 2 lb. |
| HYDRACHKVLV3 | Check Valve 3 lb. |
| HYDRACHKVLV4 | Check Valve 4 lb. |
| HYDRACHKVLVOEM | Check Valve 1.5 lb. OEM |

# 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 it's not too bad at protecting your bottom line, either.

## SUPERIOR AOP 3-IN-1 SANITIZATION.




**NEW**
30% SMALLER FOOTPRINT

HYDRAPURE® UV & OZONE
AOP SANITIZATION SYSTEM

HAYWARD®
We Build Better.®

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

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# AquaVac® 6 Series – 600

ROBOTIC CLEANERS REPLACEMENT PARTS



## Parts Diagram



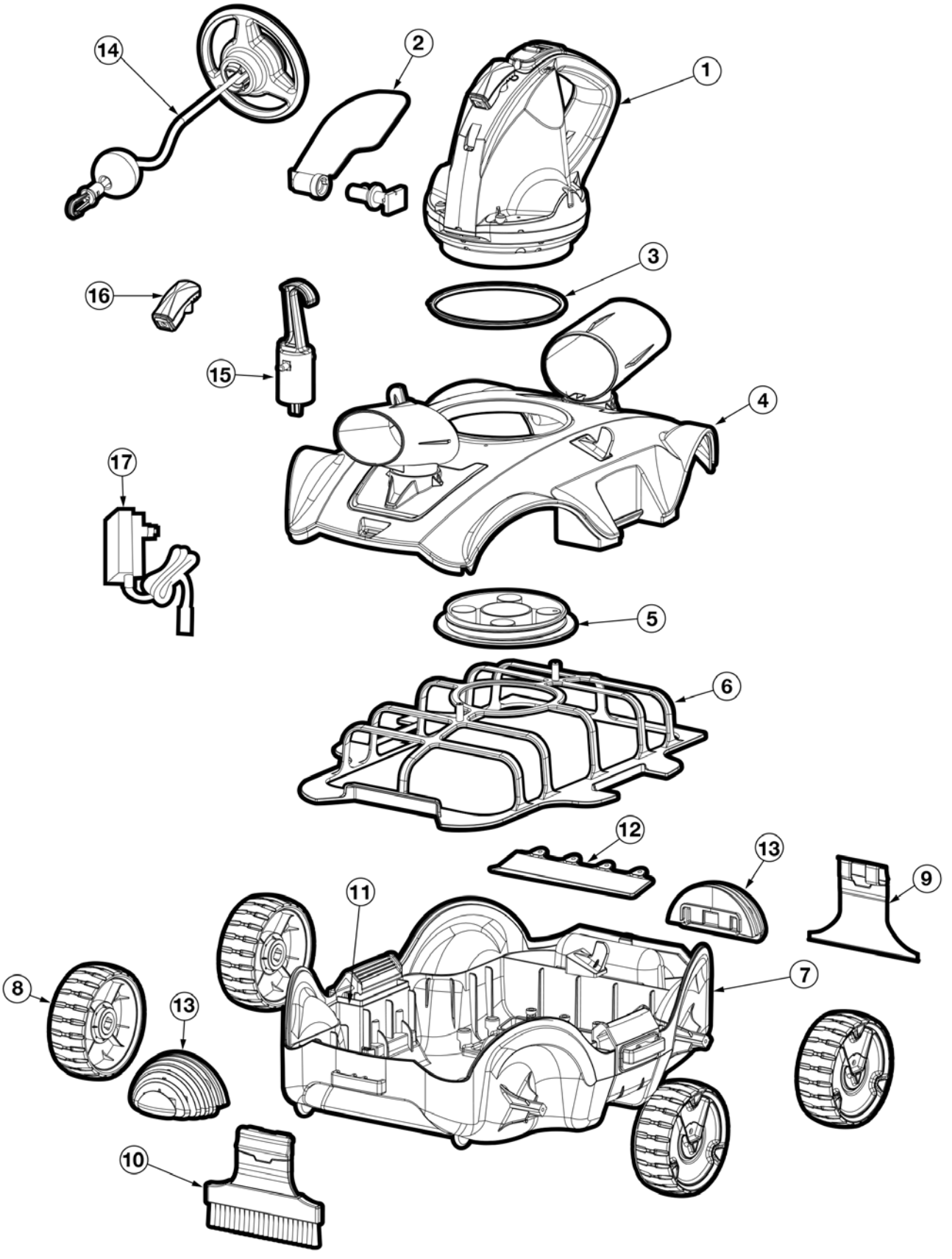
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | RCX361178234 | Power Supply Kickstand, Blue | 5 |
| 2a | RCX361480W | Power Supply Av650, WiFi | 1 |
| 2b | RCX361470 | Power Supply Av600, No WiFi | 1 |
| 3 | RCX361191 | 55 ft. Floating Cable | 1 |
| 4 | RCX361182 | Cyclone Check Valve Assembly | 5 |
| 5a | RCX361126234 | Cyclone Cosmetic Top, 650, Blue | 5 |
| 5b | RCX361126237 | Cyclone Cosmetic Top, 600, Gray | 5 |
| 6 | RCX361453 | Canister Twist Lock | 10 |
| 7 | RCX361140KIT234 | Cyclone Assembly Kit | 1 |
| 8a | RCX361300236 | Cyclone Handle Assembly, 650, Black | 5 |
| 8b | RCX361300234 | Cyclone Handle Assembly, 600, Blue | 5 |
| 9 | RCX36131519237 | Shell Rear Handle Cover Assembly, Gray | 1 |
| 10 | RCX361210236 | Cord Handle Assembly, Black | 5 |
| 11 | RCX361250U | Power Supply Cord, US | 1 |
| 12 | RCX361103236 | Vacuum Inlet Top Assembly, Black | 1 |
| 13 | RCX361331782237 | Shell Front Handle Assembly, Gray | 1 |
| 14 | RCX361134 | Pump Motor Shaft Coupling | 10 |
| 15a | RCX36111060X | Motor Box Assembly | 1 |
| 15b | RCX36111065X | Motor Box Assembly, WiFi | 1 |
| 16 | RCX36131649236 | Shell Rear Cover Assembly, Black | 1 |
| 17a | RCX36131314D237 | Shell, Side Panel A/B Dec 600, (Includes Side A & B) | 1 |
| 17b | RCX361313141237 | Shell, Side Panel A/B Dec 650, (Includes Side A & B) | 1 |
| 18 | RCX361318236 | Shell Front Cover, Black | 1 |
| 19 | RCX361109WS239 | Vacuum Inlet Bottom | 5 |
| 20 | RCX36329222239 | Middle Short Brush Assembly, Dark Gray (Set of 2) | 6 |
| 21 | RCX36132337239 | Front/Back Long Brush Assembly, Dark Gray (Set of 2) | 6 |
| 22 | RCX361117218 | Gear Box Assembly, Gray | 1 |
| 23 | RCX36140311234 | Wheel Assembly Kit, Blue (Includes Tread) (Set of 2) | 6 |
| 24 | RCX361404234PK6 | Wheel Tread Kit, Met Blue (6 Pack) | 6 |
| 25 | RCX361518 | Motor Box Debris Gasket | 10 |
| 26 | RCX361141243 | Standard Debris Mesh | 5 |
| 27 | RCX361511243 | Fine Debris Mesh | 1 |
| — | RCX361430KIT | Foam Kit Assembly | 1 |
| — | RCX361121PK4 | Screw Pack, Torx #8-16 x .50 (4 Pack) | 10 |
| — | RCX36128586236 | Caddy Handle, Black | 1 |
| — | RCX361294KIT | Caddy Wheel Kit (Set of 2) | 1 |

# AquaVac 250Li

CORDLESS ROBOTIC CLEANER

## Parts Diagram



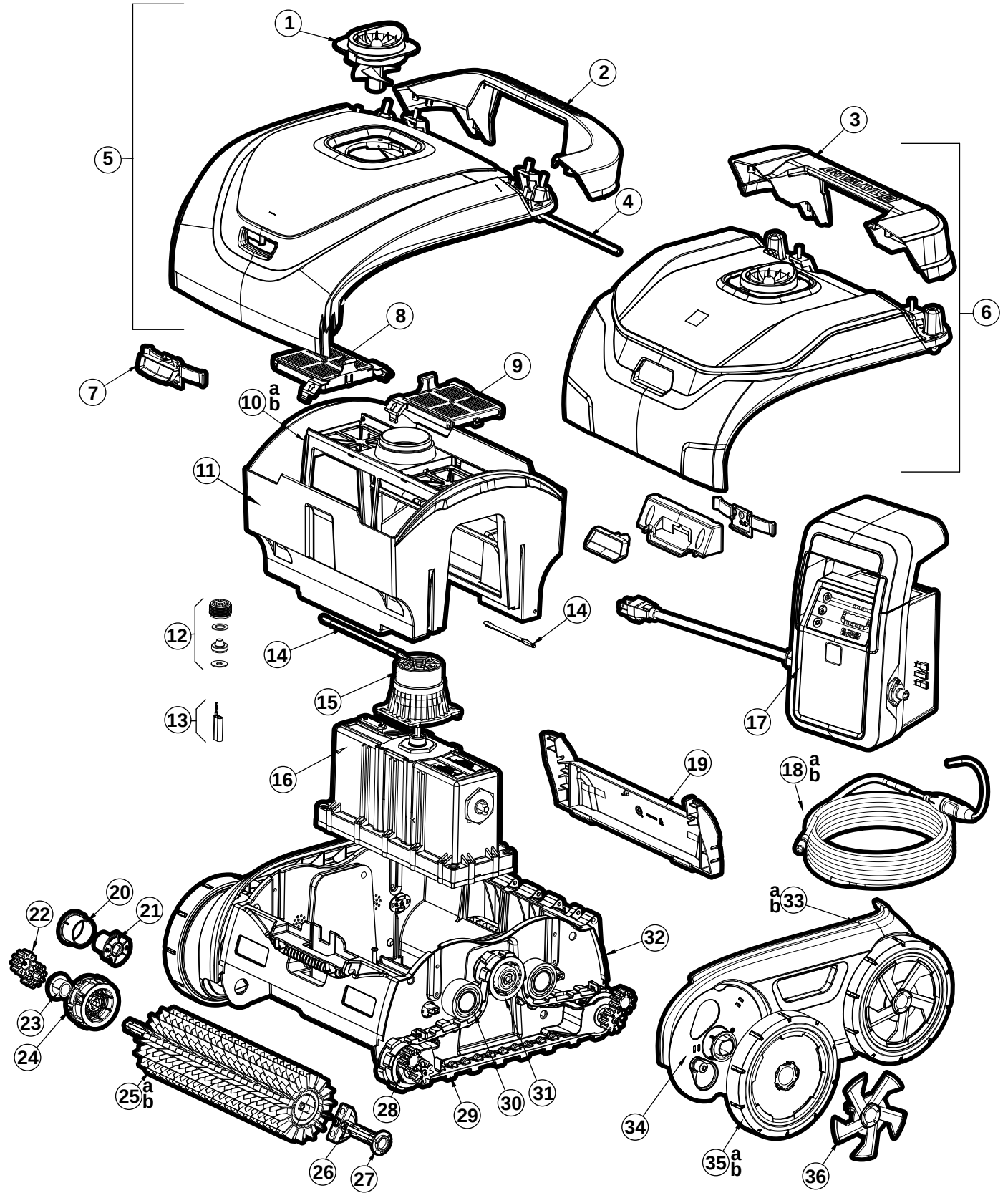
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | RCX20ASM05U | (US) Swivel Head (with flap + ring + scew plate) | 4 |
| 2 | RCX203007 | Side Flap (with side pin) | 24 |
| 3 | RCX203508004 | Swivel Smooth-Ring | 30 |
| 5 | RCX203505005 | Swivel Head Bottom Screw Plate | 16 |
| 4 | RCX20ASM03 | Top Cover | 4 |
| 6 | RCX203509 | Filter Cover | 4 |
| 7 | RCX2035ASM06 | Whole Base Unit | 4 |
| 8 | RCX203012 | Wheel (with screw and washer) 1 pc | 10 |
| 9 | RCX2032ASM10 | Clip-on Rake | 10 |
| 10 | RCX2032ASM10 | Clip-on Brush | 10 |
| 11 | RCX2035ASM04 | Drainage Outlet Flap (with screws) | 30 |
| 12 | RCX2035ASM04 | Suction Mouth Flap (with screws) | 30 |
| 13 | RCX203018 | Bumper x 2 | 8 |
| 14 | RCX203513 | Float | 8 |
| 15 | RCX203116 | Hook (with V-Clip) for Telescopic Pole | 20 |
| 16 | RCX203017 | Charging Base | 24 |
| 17 | RCX203017U | (US) Adaptor | 10 |

# AquaVac® 500

ROBOTIC CLEANER REPLACEMENT PARTS

## Parts Diagram



## Parts Listing

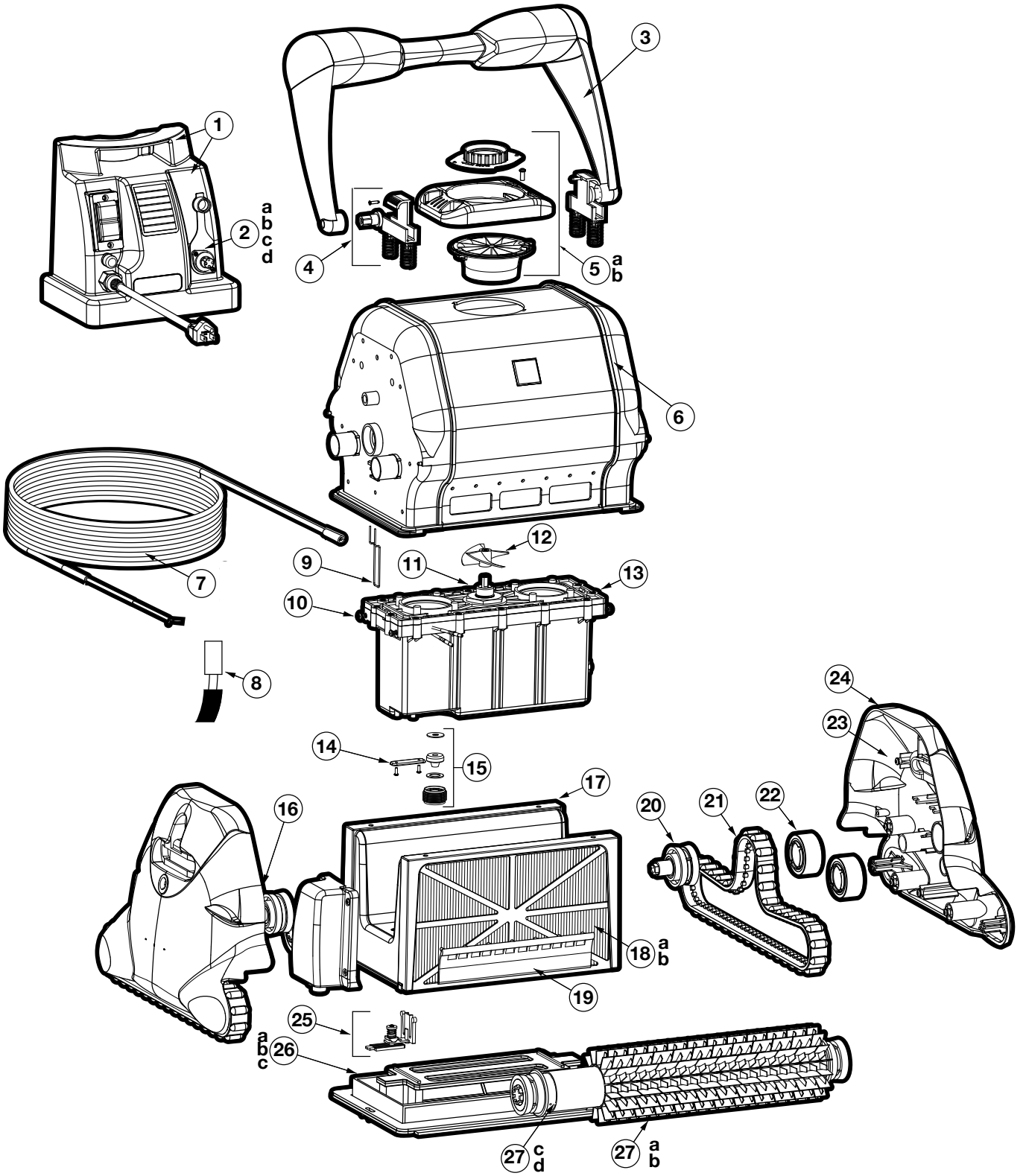
| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | RCX341241BKKIT | Impeller Kit Nozzle, Black | 5 |
| 2 | RCX341107236 | Handle Assembly, Black Met | 1 |
| 3 | RCX341203236 | Handle #2 Assembly, Black Met | 1 |
| 4 | RCX97429 | Hood Hinge Axle | 10 |
| 5 | RCXHD1CAV500 | Hood Assembly, Gray/Black, AV500 | 1 |
| 6 | RCXHD2AAV500C | Hood Assembly, Gray2, AV500C | 1 |
| 7 | RCX341108BK | Button Assembly, Black Met | 5 |
| 8 | RCX97417 | Door Filter | 1 |
| 9 | RCX97417SPAK2 | Door Filter Element (Set of 2) | 1 |
| 10a | RCX70103PAK2 | Filter Cartridges (Set of 2) | 5 |
| 10b | RCX70103PAK2 | Spring Cleanup Filters (Set of 2) | 5 |
| 11 | RCX97414 | Filter Bucket Assy SV/EV | 1 |
| 12 | RCX59004KIT | Motor Cord Seal Kit (no RTV Sealant Required) | 5 |
| 13 | RCX59002KIT* | Motor Cord Connector Kit | 5 |
| 14 | RCX974057KIT | Drain Flap Kit | 5 |
| 15 | RCX97455 | Impeller Cover Kit | 10 |
| 16 | RCX341195 | Motor Assembly | 1 |
| 17 | RCX341161A | Power Supply Assembly | 1 |
| 18a | RCX341190 | 60 ft. Cord Assembly with Swivel | 1 |
| 18b | RCX341190A | 75 ft. Cord Assembly with Swivel | 1 |
| 19 | RCX341103BK | Rear Panel, Black Met | 1 |
| 20 | RCX341109PAK2 | Wheel Bushing Kit (Set of 2) | 5 |
| 21 | RCX341111PAK2 | Wheel Hub Kit (Set of 2) | 5 |
| 22 | RCX341145KIT | Wheel Drive Gear Kit | 5 |
| 23 | RCX97506PAK2 | Roller Bushing Kit (Set of 2) | 5 |
| 24 | RCX97509PAK2 | Drive Wheel Kit (Set of 2) | 5 |
| 25a | RCX26008 | Roller Brush | 5 |
| 25b | RCX26011WCE | Foam Roller Assembly | 5 |
| 26 | RCX97507PAK2 | Roller Wheel Shaft (Set of 2) | 5 |
| 27 | RCX97435PAK2 | Roller Shaft Bushing Kit (Set of 2) | 5 |
| 28 | RCX97505PAK2 | Drive Track Wheel Kit (Set of 2) | 5 |
| 29 | RCX97501GR | Drive Track Belt | 5 |
| 30 | RCX26000PAK2 | Pulley Bearing Kit (Set of 2) | 5 |
| 31 | RCX97502KIT | Drive Shaft and Bearing Kit | 5 |
| 32 | RCX341142-236 | Base, Black Met | 1 |
| 33a | RCX341101BK | Left/Right Side Cover, Black Met | 1 |
| 33b | RCX341101GR3 | Left/Right Side Cover, Gray 3 | 1 |
| 34 | RCX341127BK | Wheel Shield Black Met | 5 |
| 35a | RCX341113BKBL | Wheel Rim and Tire, Black/Blue | 5 |
| 35b | RCX341113GR4BK | Wheel Rim and Tire, Gray4/Black | 5 |
| 36 | RCX341223237PK4 | Wheel Style and Axle Plug, Gray Met | 5 |

NOTE: *Limited quantity available

# AquaVac QC

REPLACEMENT PARTS

## Parts Diagram



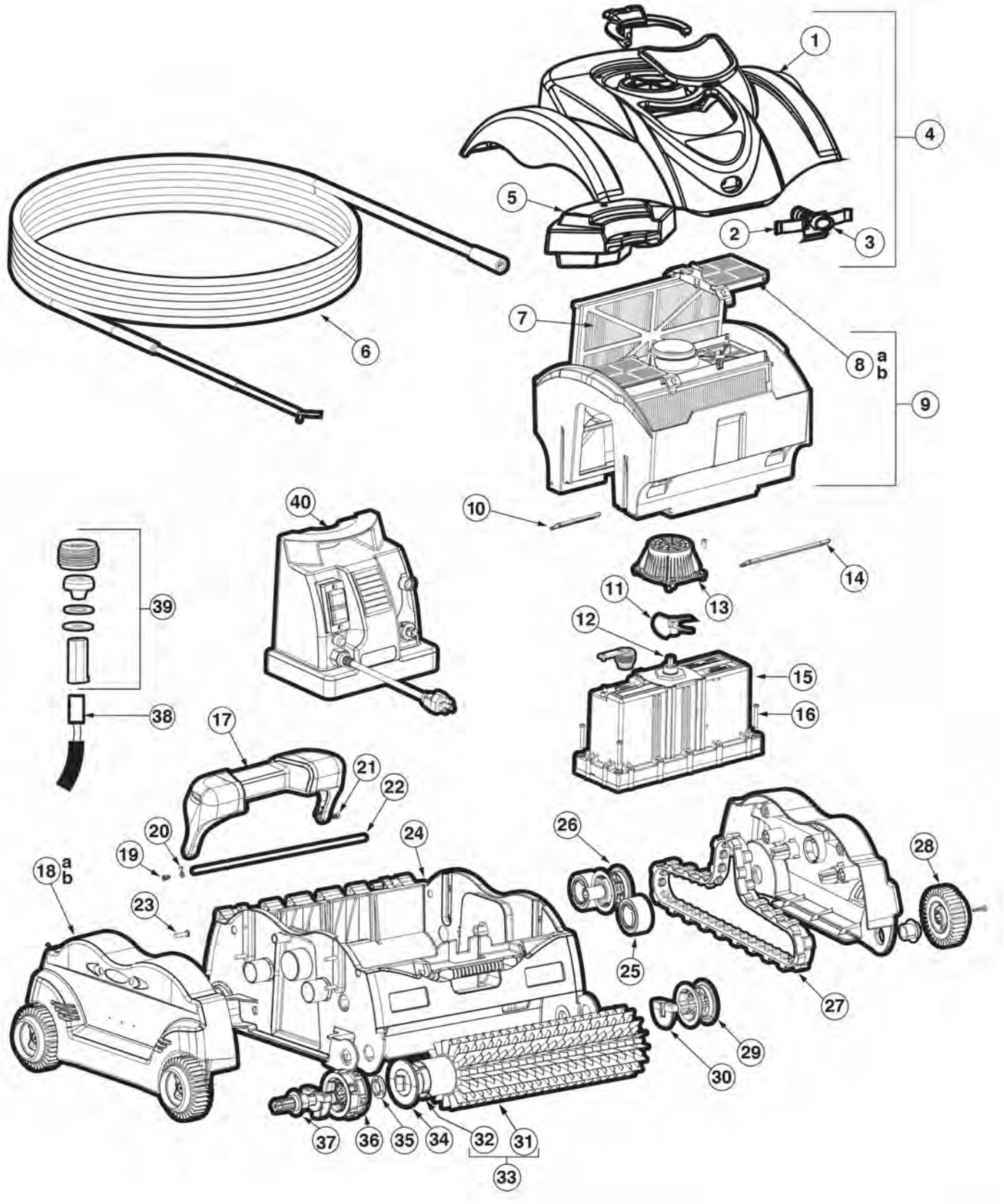
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | RCX97453QC | Power Supply-110 VAC, Quikclean | 1 |
| 2a | RCX31013A | Power Supply Circiut Breaker 3A | 50 |
| 2b | RCX31012 | Power Supply Switch 16A | 50 |
| 2c | RCX31012A | Power Supply Switch Membrane Cover | 50 |
| 2d | RCX31018 | Power Supply Output Connector | 50 |
| 3 | RCX76008-234 | Handle Assembly – Blue | 5 |
| 4 | RCX14000KIT | Handle Arm Slide Kit | 1 |
| 5a | RCX11208 | Venturi Assembly, New Style | 10 |
| 5b | RCX11208BK | Venturi Assembly, Black | 1 |
| 6 | RCX13001C | Main Case | 1 |
| 7 | RCX50061 | Floating Cord Assembly – 55 ft. | 1 |
| 8 | RCX59006 | Connector Socket, Molex | 50 |
| 9 | RCX11400 | Clip, Lid (Set of 2) | 10 |
| 10 | RCX12001 | Screw, M4X12 T-20 (Set of 5) | 10 |
| 11 | RCX40117 | Drive Pin Assembly | 50 |
| 12 | RCX11000 | Impeller | 10 |
| 13 | RCX40000D | Motor Unit, Upgrade Kit | 1 |
| 14 | RCX59007 | Plate-Cover, Strain Relief | 10 |
| 15 | RCX59004KIT | Motor Cord Seal Kit | 5 |
| 16 | RCX26001 | Roller Bearing Guide | 10 |
| 17 | RCX70100 | Filter Cartridge Assembly, Frame and Filters | 1 |
| 18a | RCX70101PAK2 | Filter Cartridges (Set of 2) | 5 |
| 18b | RCX70103PAK2 | Spring Cleanup Filters (Set of 2) | 5 |
| 19 | RCX17100 | Flap Drain (Set of 2) | 10 |
| 20 | RCX26002 | Bearing, Drive Pulley Assembly (Includes RC260031 insert) | 10 |
| 21 | RCX23002 | Drive Track, Soft Tread | 5 |
| 22 | RCX26000PAK2 | Pulley Bearing Kit (Set of 2) | 5 |
| 23 | RCX12011 | Screw M5X20 Pan TORX HD T-20 | 10 |
| 24 | RCX97201 | Side Cover (Right and Left) | 1 |
| 25 | RCX75003KIT | Locking Plate Kit | 1 |
| 26a | RCX75000-236 | Bottom Lid Assembly, Black | 1 |
| 26b | RCX78005 | Bottom Lid Filter Gasket | 10 |
| 26c | RCX75005 | Inlet Flap | 10 |
| 27a | RCX26008 | Roller Brush | 5 |
| 27b | RCX26012 | Foam Roller Assembly | 5 |
| 27c | RCX26003 | Wheel Tube Assembly without Brush | 5 |
| 27d | RCX26005S | Bearing-Wheel Tube Slotted | 10 |
| — | RCX97500GR | Drive Train Upgrade Kit | 1 |
| — | RCX17000 | High Velocity Inlet | 10 |

# eVac Pro & SharkVac XL

ROBOTIC POOL CLEANER REPLACEMENT PARTS

## Parts Diagram



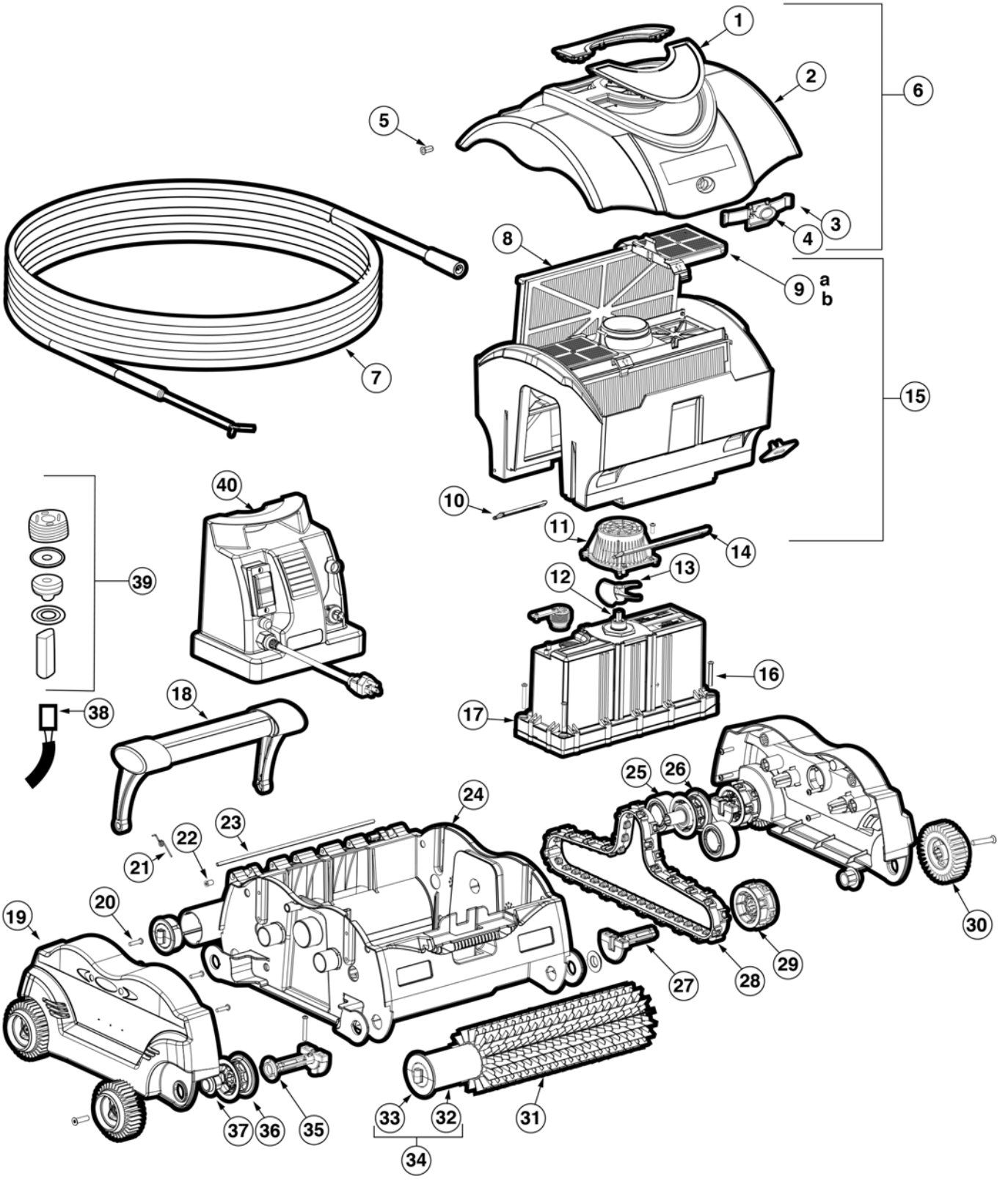
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | RCX97470SB-237 | Dome, SV XL Gray Met | 1 |
| 2 | RCX341149 | Spring, Flat SV/EV | 1 |
| 3 | RCX97433 | Button SV | 1 |
| 4 | RCX97471SB-237 | Dome Assembly, SV Gray (Includes 1,2,3,4,5) | 1 |
| 5 | RCX97477 | Float Assembly SV XL/ EV Pro | 1 |
| 6 | RCX97413 | Cord, Assembly 50' SV/EV | 1 |
| 7 | RCX70101PAK2 | Filter Cartridges (Set of 2) | 5 |
| — | RCX70103PAK2 | Spring Cleanup Filters (Set of 2) | 5 |
| 8a | RCX97417 | Door, Filter | 1 |
| 8b | RCX97417SPAK2 | Door, Filter Element (Set of 2) | 1 |
| 9 | RCX97414 | Filter Bucket Assembly SV/EV (Includes 10,11,12) | 1 |
| 10 | RCX97405 | Flap, Drain Small SV | 1 |
| 11 | RCX11000 | Impeller | 10 |
| 12 | RCX40117 | Drive Pin Assembly | 50 |
| 13 | RCX97455 | Tube Vent | 10 |
| 14 | RCX97407 | Flap, Drain Large SV | 1 |
| 15 | RCX97490 | Motor Assembly SV/EV | 1 |
| 16 | RCX97461 | Screw M5X35MM PT (Set of 5) | 10 |
| 17 | RCX97480SB-234 | Handle Assembly SV, Blue | 1 |
| 18a | RCX97403XL-236 | Panel, Side SV XL, Black | 1 |
| 18b | RCX97403P-236 | Panel, Side EV Pro, Black | 1 |
| 19 | RCX97423 | Bushing, Dome, SV (Set of 2) | 5 |
| 20 | RCX97427 | Spring, Handle | 25 |
| 21 | RCX97459 | Screw M7X10MM Flat TORX (Set of 5) | 5 |
| 22 | RCX97429 | Shaft, Hinge S.S. SV/EV | 10 |
| 23 | RCX12011 | Screw M5X20 Pan TORX HD T-20 | 10 |
| 24 | RCX341142-236 | Base SV, Black | 1 |
| 25 | RCX26000PAK2 | Pulley Bearing Kit (Set of 2) | 5 |
| 26 | RCX97502GR | Drive Bearing Assembly | 5 |
| 27 | RCX97501GR | Drive Track, Soft Tread | 5 |
| 28 | RCX97508GR | Wheel Rim with Tire SV | 5 |
| 29 | RCX97505PAK2 | Drive Track Wheel Kit SV (Set of 2) | 5 |
| 30 | RCX97507PAK2 | Roller Wheel Shaft SV (Set of 2) | 5 |
| 31 | RCX26008 | Roller Brush | 5 |
| 32 | RCX97520ABK | Tube Wheel, SharkVac, Black | 1 |
| 33 | RCX97410 | Tube Wheel Assemby SV | 5 |
| 34 | RCX97441 | Roller End SV | 10 |
| 35 | RCX97435PAK2 | Roller Shaft Bushing Kit (Set of 2) | 5 |
| 36 | RCX97509PAK2 | Drive Wheel Kit | 5 |
| 37 | RCX97506PAK2 | Roller Bushing Kit (Set of 2) | 5 |
| 38 | RCX59006 | Connector Socket Molex | 50 |
| 39 | RCX59004KIT | Motor Cord Seal Kit | 5 |
| 40 | RCX97453 | Power Supply SV | 1 |
| — | RCX31013A | Power Supply Circuit Breaker 3A | 50 |
| — | RCX31012 | Power Supply Switch 16A | 50 |
| — | RCX31012A | Power Supply Switch Membrane Cover | 50 |
| — | RCX31018 | Power Supply Output Connector | 50 |

# eVac & SharkVac

REPLACEMENT PARTS

## Parts Diagram



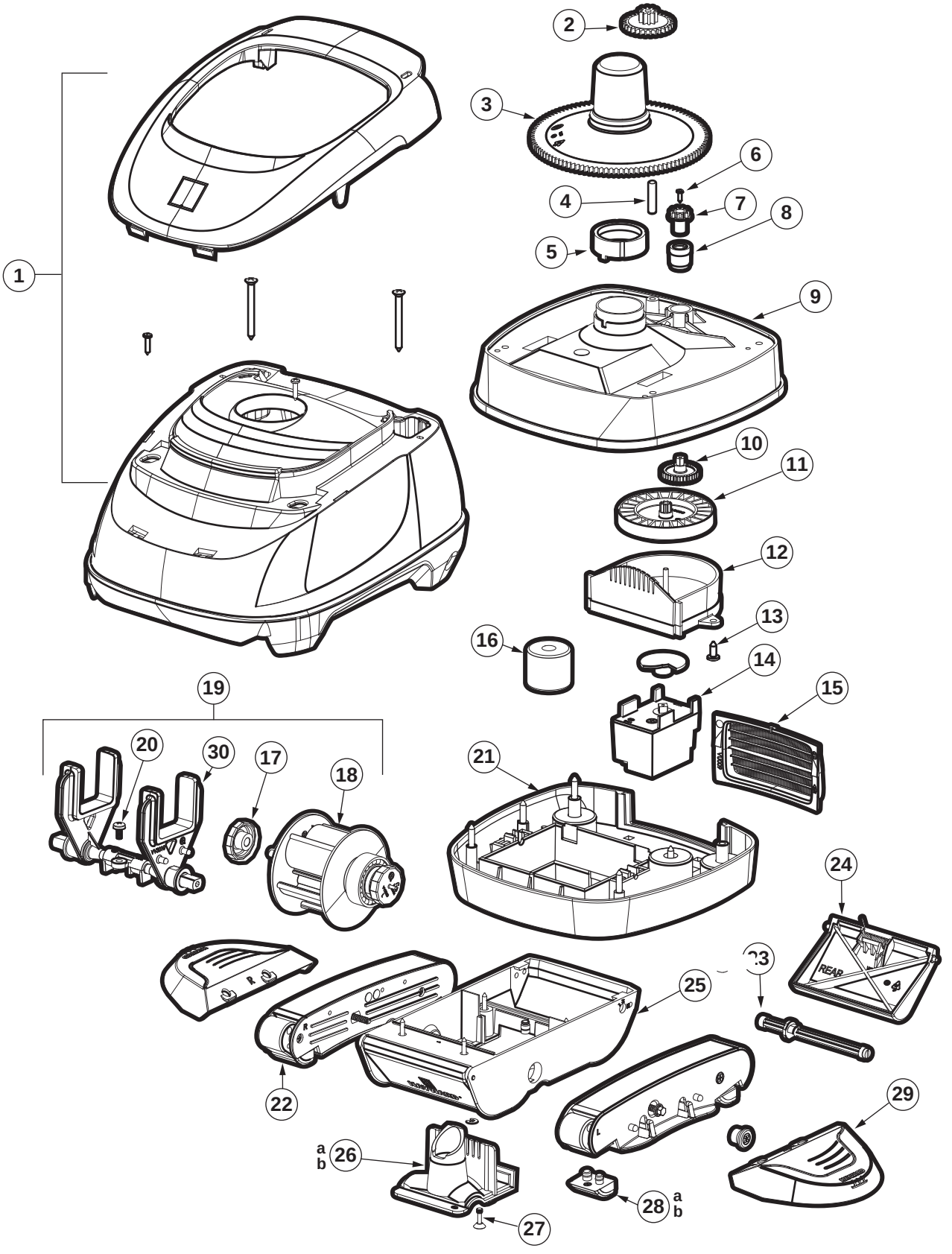
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | RCX97421 | Window, Dome Clear SV | 1 |
| 2 | RCX97419-237 | Dome, SV Gray | 1 |
| 3 | RCX341149 | Spring, Flat SV/EV | 5 |
| 4 | RCX97433 | Button SV | 1 |
| 5 | RCX97423 | Bushing, Dome, SV | 5 |
| 6 | RCX97418-237 | Dome Assembly, SV Gray (Includes 1,2,3,4,5) | 1 |
| 7 | RCX97413 | Cord, Assembly 50' SV/EV | 1 |
| 8 | RCX70101PAK2 | Filter Cartridges (Set of 2) | 5 |
| 9a | RCX97417 | Door, Filter | 1 |
| 9b | RCX97417SPAK2 | Door, Filter Element (Set of 2) | 1 |
| — | RCX70103PAK2 | Spring Cleanup Filters (Set of 2) | 5 |
| 10 | RCX97405 | Flap, Drain Small SV | 1 |
| 11 | RCX97455 | Tube Vent | 10 |
| 12 | RCX40117 | Drive Pin Assembly | 50 |
| 13 | RCX11000 | Impeller | 10 |
| 14 | RCX97407 | Flap, Drain Large SV | 1 |
| 15 | RCX97414 | Filter Bucket Assembly SV/EV (Includes 9, 10,11) | 1 |
| 16 | RCX97461 | Screw M5X35MM PT (Set of 5) | 10 |
| 17 | RCX97400 | Motor Assembly SV/EV | 1 |
| 18 | RCX97425-234 | Handle Assembly SV, Blue | 1 |
| 19 | RCX97403-236 | Panel, Side SV, Black | 1 |
| 20 | RCX12011 | Screw M5X20 Pan TORX HD T-20 | 10 |
| 21 | RCX97427 | Spring, Handle | 25 |
| 22 | RCX97459 | Screw M7X10MM Flat TORX (Set of 5) | 5 |
| 23 | RCX97429 | Shaft, Hinge S.S. SV/EV | 10 |
| 24 | RCX341142-236 | Base SV, Black | 1 |
| 25 | RCX26000PAK2 | Pulley Bearing Kit (Set of 2) | 5 |
| 26 | RCX97502GR | Drive Bearing Assembly | 5 |
| 27 | RCX97507PAK2 | Roller Wheel Shaft SV (Set of 2) | 5 |
| 28 | RCX97501GR | Drive Track, Soft Tread | 5 |
| 29 | RCX97509PAK2 | Drive Wheel Kit | 5 |
| 30 | RCX97508GR | Wheel Rim with Tire SV | 5 |
| 31 | RCX26008 | Roller Brush | 5 |
| 32 | RCX97520ABK | Tube Wheel, Black, SharkVac | 1 |
| 33 | RCX97441 | Roller End SV | 10 |
| 34 | RCX97410 | Tube Wheel Assemby SV | 5 |
| 35 | RCX97435PAK2 | Roller Shaft Bushing Kit (Set of 2) | 5 |
| 36 | RCX97505GR | Wheel-Drive Belt, SV | 5 |
| 37 | RCX97506PAK2 | Roller Bushing Kit (Set of 2) | 5 |
| 38 | RCX59006 | Connector Socket Molex | 50 |
| 39 | RCX59004KIT | Motor Cord Seal Kit | 5 |
| 40 | RCX97453 | Power Supply SV | 1 |
| — | RCX31013A | Power Supply Circiut Breaker 3A | 50 |
| — | RCX31012 | Power Supply Switch 16A | 50 |
| — | RCX31012A | Power Supply Switch Membrane Cover | 50 |
| — | RCX31018 | Power Supply Output Connector | 50 |

# Navigator® V-Flex™

REPLACEMENT PARTS

## Parts Diagram



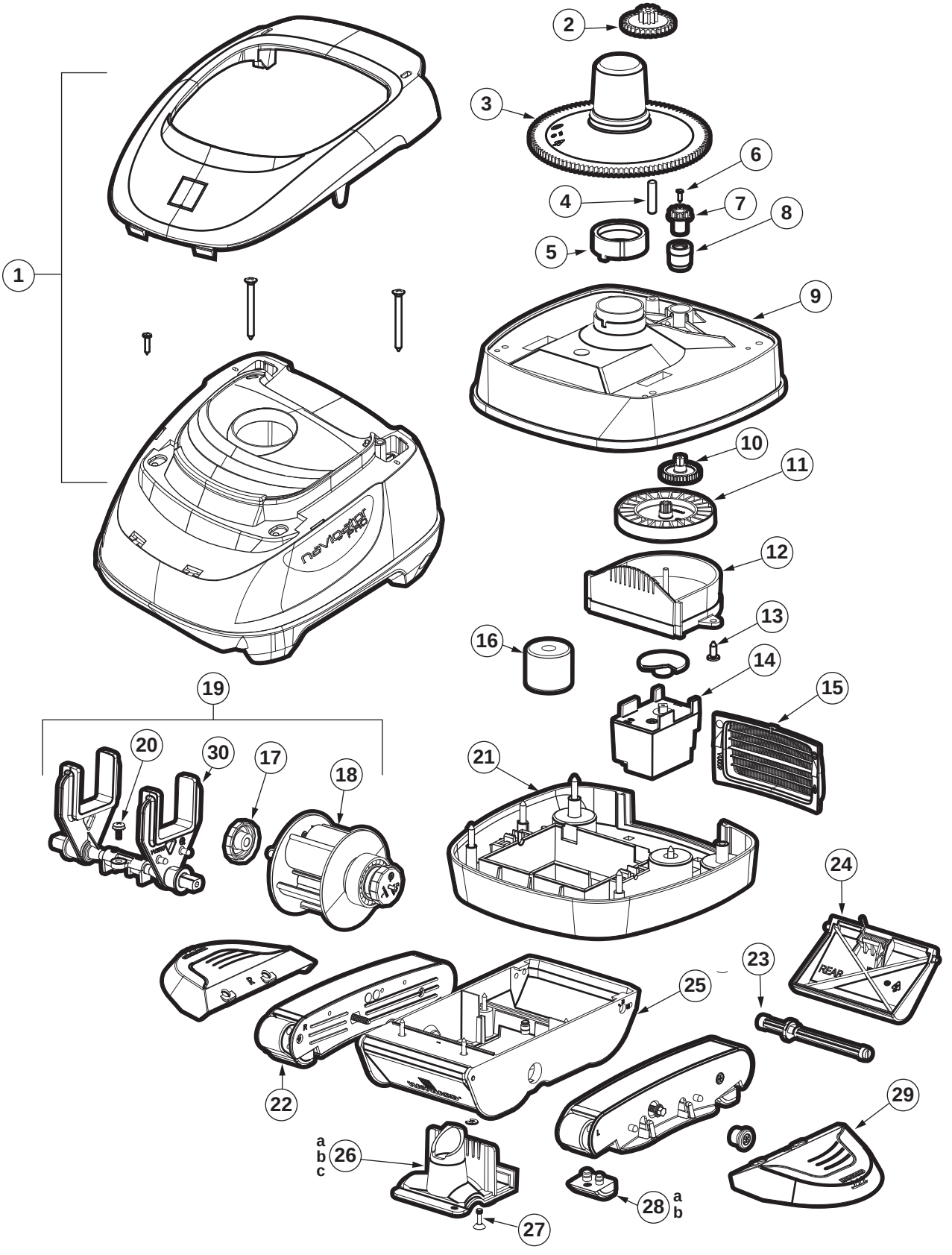
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | AXV925VFSA | Navi VFlex Shell Assembly | 1 |
| 2 | AXV301 | Inter Gear | 25 |
| 3 | AXV070 | Cone Gear, Clear | 10 |
| 4 | AXV309 | Inter Gear, Shaft | 50 |
| 5 | AXV306 | Cone Gear Bushing | 25 |
| 6 | AXV068 | Spindle Gear Screw | 50 |
| 7 | AXV303 | Cone Spindle Gear | 25 |
| 8 | AXV066A | Cone Spindle Gear Bushing | 25 |
| 9 | HSXV060R237 | Mid Body, Upper Housing | 10 |
| 10 | AXV064A | Medium Turbine Drive Gear | 25 |
| 11 | AXV062C | Medium Turbine | 25 |
| 12 | AXV009 | Medium Turbine Case/Axle Assembly | 25 |
| 13 | AXV065P | Upper Body Screw | 25 |
| 14 | AXV408P | Gear Box Assembly | 25 |
| 15 | AXVU009-237 | Screen Kit | 50 |
| 16 | AXV054FH | Float Kit | 25 |
| 17 | HSX304060 | Turbine Shaft Retainer (2 pack) | 25 |
| 18 | HSXVV3000SAC | Turbine Kit (turbine and 2 turbine shaft retainers) | 25 |
| 19 | HSXVV3010SA | Kit, Turbine/A-Frame 5 Vane | 10 |
| 20 | AXV313 | A-Frame Saddle Clip Retaining Screw | 25 |
| 21 | HSXV050C237 | Lower Body Housing | 10 |
| 22 | AXV417-237 | Pod Kit | 25 |
| 23 | AXV031B | Flap Adjuster | 25 |
| 24 | AXV434-237 | Flap Kit (2 flaps, front and rear springs) | 50 |
| 25 | AXV230D-237 | Open Lower Body | 10 |
| 26a | HSXVV015SAC-237 | Access Cover Assembly, Concrete | 25 |
| 26b | HSXVV015SAV-237 | Access Cover Assembly, Vinyl | 25 |
| 27 | AXV314P | Captive Screw with Clip | 25 |
| 28a | AXV414P | Shoes, Concrete (4 pack) | 25 |
| 28b | AXV413P | Shoes, Vinyl (4 pack) | 25 |
| 29 | AXV604-237 | Wing Kit | 50 |
| 30 | VVX3010SA | A-Frame | 10 |

# Navigator® Pro

REPLACEMENT PARTS

## Parts Diagram



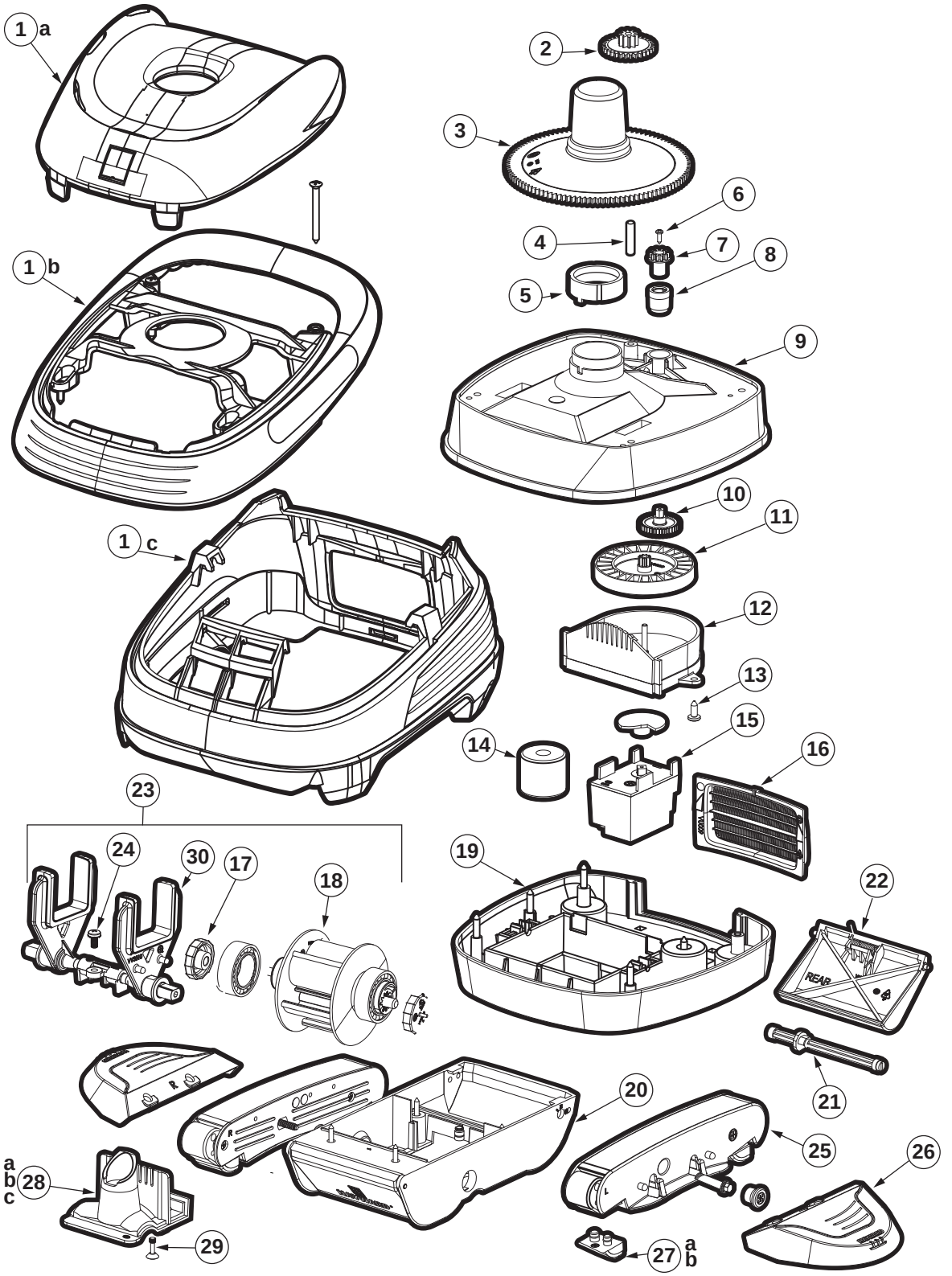
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | AXV925ADSA | Navigator Pro Shell Assembly | 1 |
| 2 | AXV301 | Inter Gear | 25 |
| 3 | AXV070 | Cone Gear, Clear | 10 |
| 4 | AXV309 | Inter Gear, Shaft | 50 |
| 5 | AXV306 | Cone Gear Bushing | 25 |
| 6 | AXV068 | Spindle Gear Screw | 50 |
| 7 | AXV303 | Cone Spindle Gear | 25 |
| 8 | AXV066A | Cone Spindle Gear Bushing | 25 |
| 9 | AXV060WH | Mid Body, Upper Housing | 10 |
| 10 | AXV064A | Medium Turbine Drive Gear | 25 |
| 11 | AXV062C | Medium Turbine | 25 |
| 12 | AXV009 | Medium Turbine Case/Axle Assembly | 25 |
| 13 | AXV065P | Upper Body Screw (6 pack) | 25 |
| 14 | AXV408P | Gear Box Assembly | 25 |
| 15 | AXVU009-237 | Screen Kit | 50 |
| 16 | AXV054FH | Float Kit | 25 |
| 17 | AXV055P | Turbine Bearing (2 pack) | 50 |
| 18 | AXV602P | Turbine Kit (turbine and 2 turbine bearings) | 25 |
| 19 | AXV621DAT | Kit-Universal, Turbine/A-Frame | 10 |
| 20 | AXV313 | A-Frame Saddle Clip Retaining Screw | 25 |
| 21 | AXV050CWH | Lower Middle Body | 10 |
| 22 | AXV417WHP | Pod Kit | 25 |
| 23 | AXV031B | Flap Adjuster | 25 |
| 24 | AXV434WHP | Flap Kit (2 flaps, front and rear springs) | 50 |
| 25 | AXV230DWH | Open Lower Body | 10 |
| 26a | AXV603 | Access Cover Assembly, Concrete | 25 |
| 26b | AXV603A | Access Cover Assembly, Vinyl | 25 |
| 26c | AXV603CLO | Access Cover Assembly, Concrete Large Skids | 25 |
| 27 | AXV314P | Captive Screw with Clip | 25 |
| 28a | AXV414P | Shoes, Concrete (4 pack) | 25 |
| 28b | AXV413P | Shoes, Vinyl (4 pack) | 25 |
| 29 | AXV604WHP | Wing Kit | 50 |
| 30 | AXV621D | Kit-Universal, A-Frame | 25 |

# PoolVac V-Flex™

REPLACEMENT PARTS

## Parts Diagram



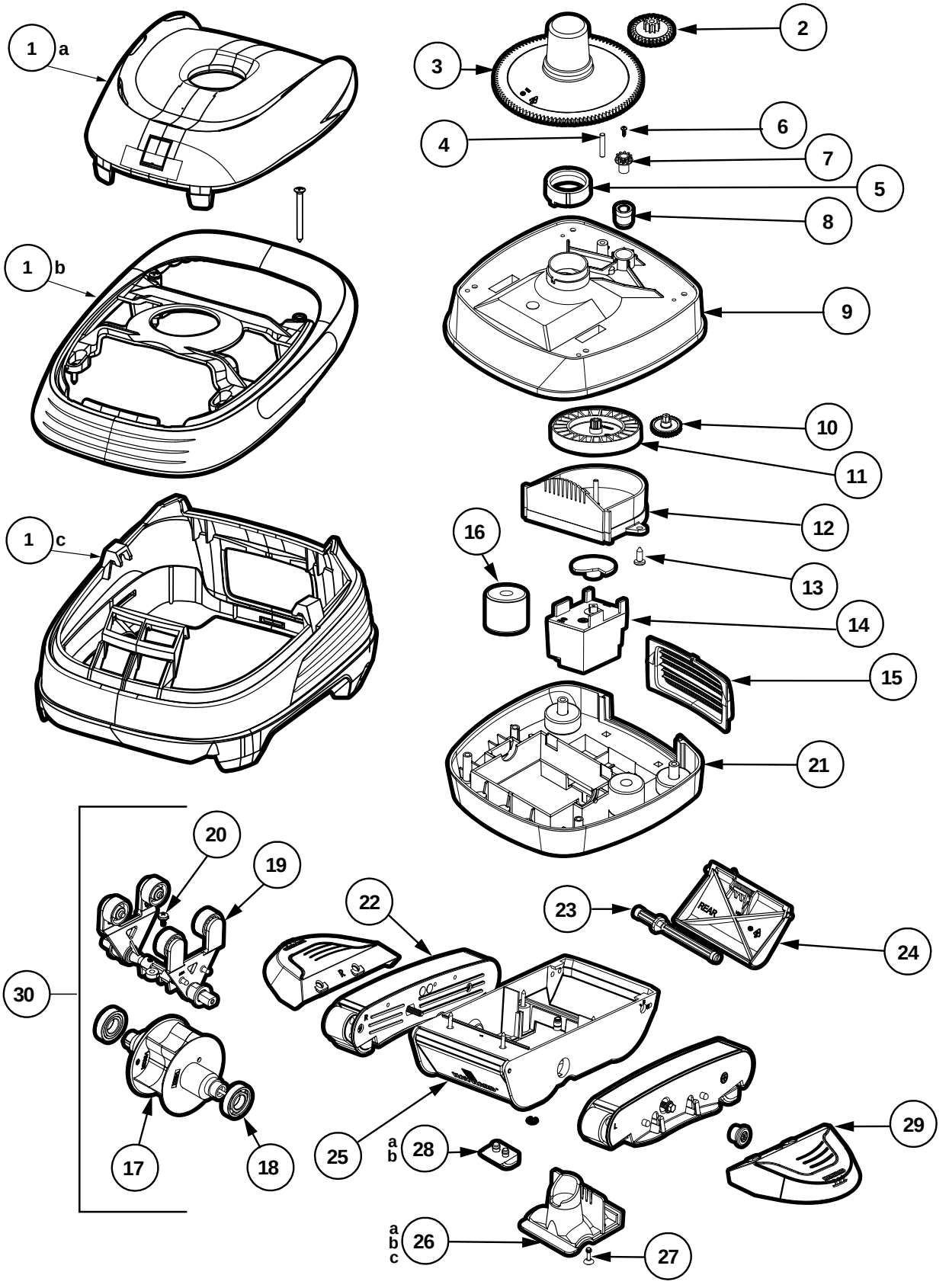
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1a | HSXVV017SA-237 | Assembly, Cover-PV V-Flex | 1 |
| 1b | HSXVV018SA-236 | Assembly, Handle-PV V-Flex | 1 |
| 1c | AXVU015-237 | Assembly, Shell and Skirt, PV V-Flex | 1 |
| 2 | AXV301 | Inter Gear | 25 |
| 3 | AXV070 | Cone Gear, Clear | 10 |
| 4 | AXV309 | Inter Gear Shaft | 50 |
| 5 | AXV306 | Cone Gear Bushing | 25 |
| 6 | AXV068 | Spindle Gear Screw | 50 |
| 7 | AXV303 | Cone Spindle Gear | 25 |
| 8 | AXV066A | Cone Spindle Gear Bushing | 25 |
| 9 | HSXV060R237 | Upper Middle Body | 10 |
| 10 | AXV064A | Medium Turbine Drive Gear | 25 |
| 11 | AXV062C | Medium Turbine | 25 |
| 12 | AXV009 | Medium Turbine Case/Axle Assembly | 25 |
| 13 | AXV065P | Upper Body Screw (6 pack) | 25 |
| 14 | AXV054FH | Float Kit | 25 |
| 15 | AXV408P | Gear Box Assembly | 25 |
| 16 | AXVU009-237 | Screen Kit | 50 |
| 17 | HSX304060 | Turbine Shaft Retainer (2 pack) | 25 |
| 18 | HSXVV3000SAC | Turbine Kit (turbine and 2 turbine bearings) | 25 |
| 19 | HSXV050C237 | Lower Body, Housing | 10 |
| 20 | AXV230D-237 | Open Lower Body | 10 |
| 21 | AXV031B | Flap Adjuster | 25 |
| 22 | AXV434-237 | Flap Kit (2 flaps, front and rear springs) | 50 |
| 23 | HSXVV3010SA | Kit, Turbine/A-Frame 5 Vane | 10 |
| 24 | AXV313 | Lower Body Screw | 25 |
| 25 | AXV417-237 | Pod Kit | 25 |
| 26 | AXV604-237 | Wing Kit | 50 |
| 27a | AXV414P | Shoes, Concrete (4 pack) | 25 |
| 27b | AXV413P | Shoes, Vinyl (4 pack) | 25 |
| 28a | AXV603 | Access Cover Assembly, Concrete | 25 |
| 28b | AXV603A | Access Cover Assembly, Vinyl | 25 |
| 28c | AXV603CLO | Access Cover Assembly, Concrete – Large Skids | 25 |
| 29 | AXV314P | Captive Screw with Clip | 25 |
| 30 | VVX3010SA | A-Frame | 10 |

# PoolVac XL™

REPLACEMENT PARTS

## Parts Diagram



## Parts Listing

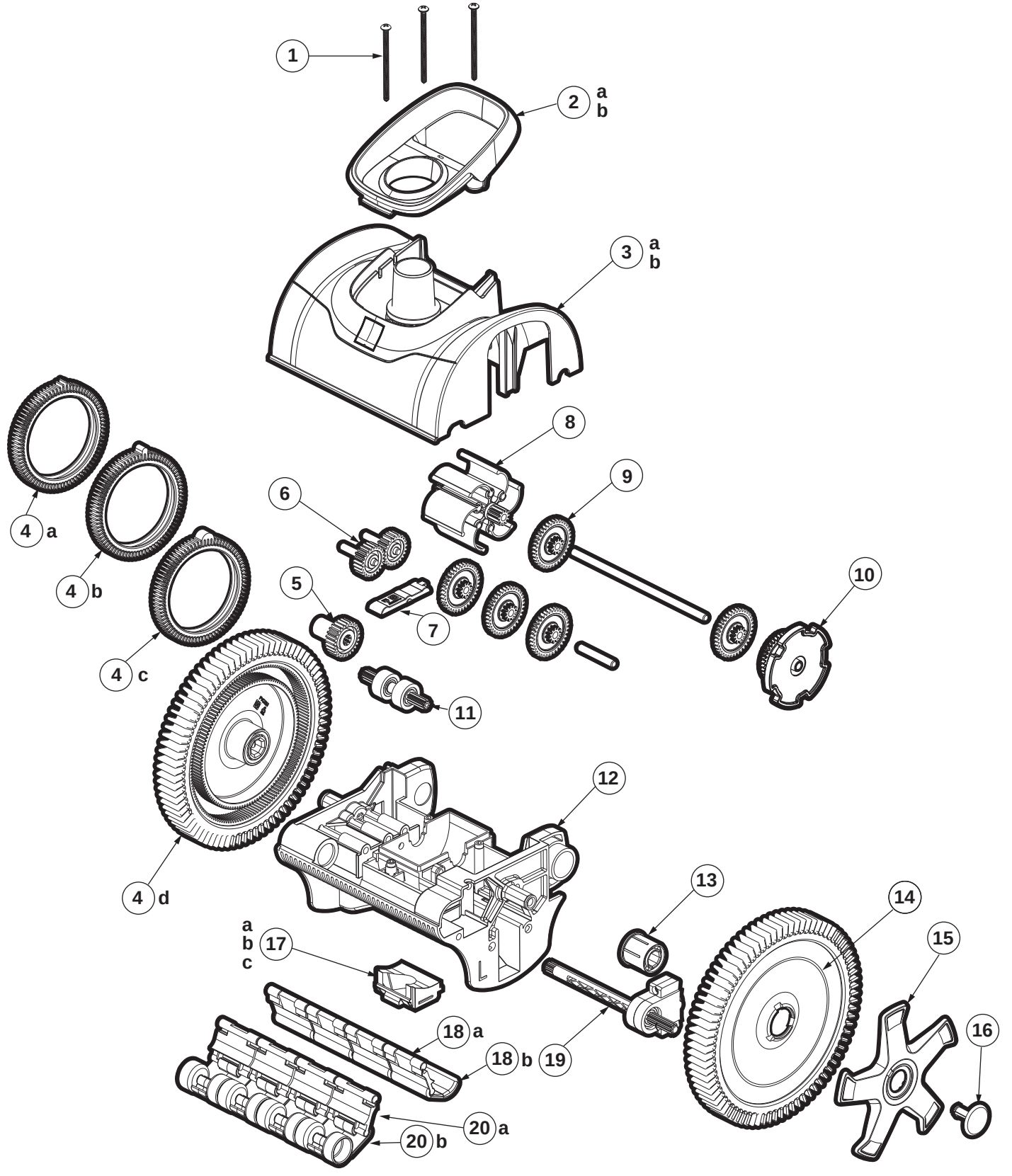
| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1a | AXVU018 | PoolVac XL Cover Assembly | 1 |
| 1b | AXVU019 | PoolVac XL Handle Assembly | 1 |
| 1c | AXVU015 | PoolVac XL Skirt Assembly | 1 |
| 2 | AXV301 | Inter Gear | 25 |
| 3 | AXV070 | Cone Gear, Clear | 10 |
| 4 | AXV309 | Inter Gear Shaft | 50 |
| 5 | AXV306 | Cone Gear Bushing | 25 |
| 6 | AXV068 | Spindle Gear Screw | 50 |
| 7 | AXV303 | Cone Spindle Gear | 25 |
| 8 | AXV066A | Cone Spindle Gear Bushing | 25 |
| 9 | AXV060WH | Upper Middle Body | 10 |
| 10 | AXV064A | Medium Turbine Drive Gear | 25 |
| 11 | AXV062C | Medium Turbine | 25 |
| 12 | AXV009 | Medium Turbine Case/Axle Assembly | 25 |
| 13 | AXV065P | Upper Body Screw (6 pack) | 25 |
| 14 | AXV408P | Gear Box Assembly | 25 |
| 15 | AXVU009 | Screen Kit | 50 |
| 16 | AXV054FH | Float Kit | 25 |
| 17 | AXV602P | Turbine Kit (turbine and 2 turbine bearings) | 25 |
| 18 | AXV055P | Turbine Bearing (2 pack) | 50 |
| 19 | AXV621D | Kit-Universal, A-Frame | 25 |
| 20 | AXV313 | A-Frame Saddle Clip Retaining Screw | 25 |
| 21 | AXV050CWH | Lower Body | 10 |
| 22 | AXV417WHP | Pod Kit | 25 |
| 23 | AXV031B | Flap Adjuster | 25 |
| 24 | AXV621DAT | Kit-Universal, Turbine/A-Frame | 10 |
| 25 | AXV230DWH | Open Lower Body | 10 |
| 26a | AXV603 | Access Cover Assembly, Concrete | 25 |
| 26b | AXV603A | Access Cover Assembly, Vinyl | 25 |
| 26c | AXV603CLO | Access Cover Assembly, Concrete – Large Skids | 25 |
| 27 | AXV314P | Captive Screw with Clip | 25 |
| 28a | AXV414P | Shoes, Concrete (4 pack) | 25 |
| 28b | AXV413P | Shoes, Vinyl (4 pack) | 25 |
| 29 | AXV604WHP | Wing Kit | 50 |
| 30 | AXV434WHP | Flap Kit (2 flaps, front and rear springs) | 50 |

# AquaNaut® 200 & 250

REPLACEMENT PARTS



## Parts Diagram



## Parts Listing

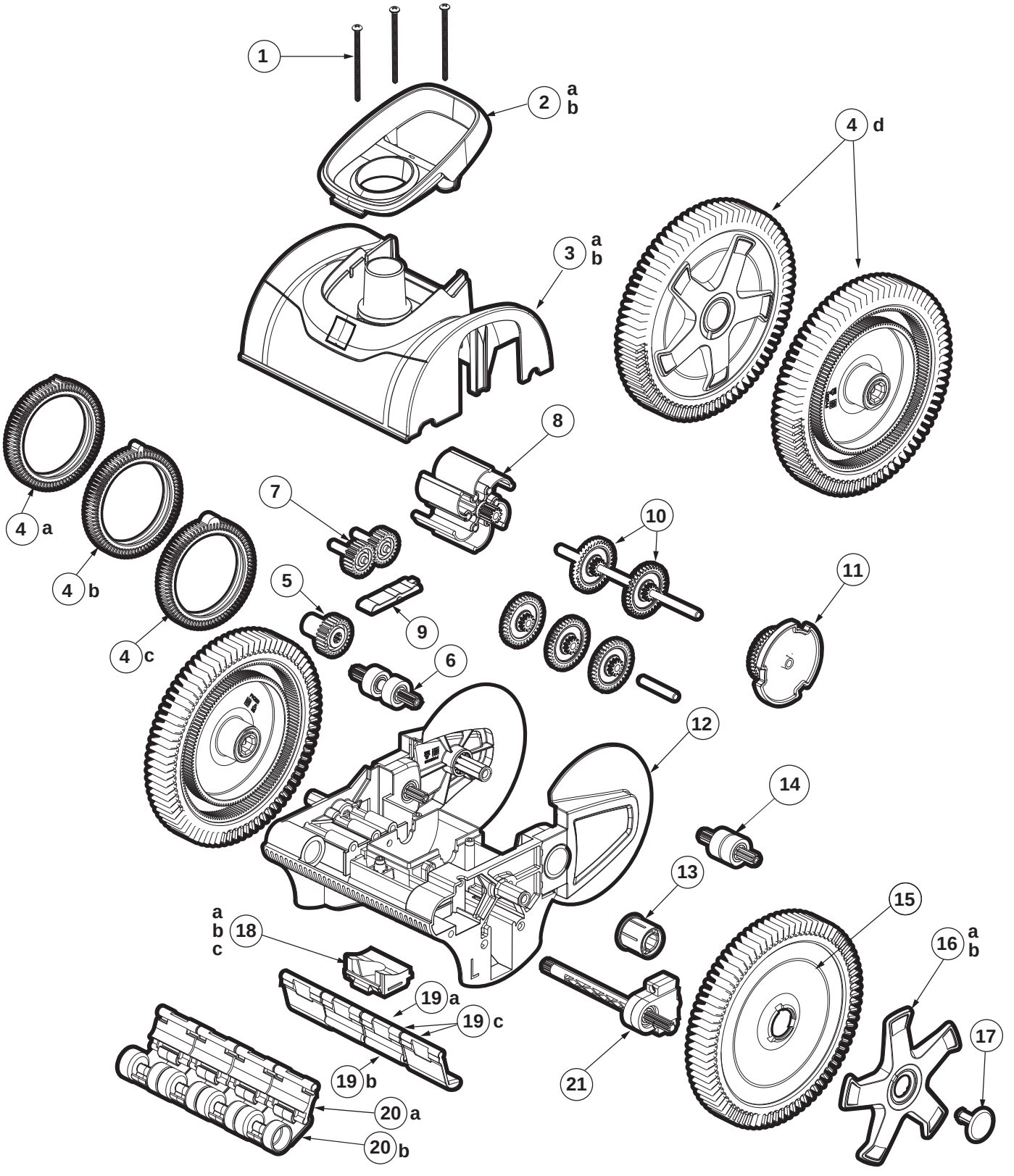
| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SCRX4012PK3 | Screw, #10 x 3 18-8 (3 pack) | 20 |
| 2a | PVXS0002-234-01 | Handle, 200 Blue Met Printed | 10 |
| 2b | PVXE0002-234-01 | Handle, 250 Blue Met Printed | 10 |
| 3a | PVXS01SA-237-01 | Upper Body, Blue Logo | 1 |
| 3b | PVXE0001SA-237 | Upper Body | 1 |
| 4a | PVX075PK2-234 | Wheel Tread, Finger Hump, Blue Met (2 pack) | 10 |
| 4b | PVXS11PK2-234 | Wheel Tread, Super, Blue Met (2 pack) | 10 |
| 4c | PVX679PK2 | Wheel Tread, Super Super, Blue (2 pack) | 10 |
| 4d | PVXS16PK2-234 | Wheel Tread, Blue Met – Optional (2 pack) | 10 |
| 5 | PVXH007 | Gear, Drive, Large | 25 |
| 6 | PVXH008PK2 | Gear, Drive, Small (2 pack) | 20 |
| 7 | PVXS0007 | Shaft Retainer, White Plastic | 25 |
| 8 | PVXH038SA | Turbine, 6-Vane Kit | 10 |
| 9 | PVXH009PK5 | Gear, Reduction (5 pack) | 10 |
| 10 | PVXH036009 | Steering Cam Gear 2x2 | 10 |
| 11 | PVXH019SA | Shaft Bearing | 25 |
| 12 | PVX792SA-236 | Lower Body, Black Met | 1 |
| 13 | PVX976PK2 | Wheel Bearing (2 pack) | 10 |
| 14 | PVX051-236 | Wheel Hub, Black Met | 20 |
| 15 | PVXS005PK2-237 | Wheel Style, 5-Spoke Gray Met (2 pack) | 20 |
| 16 | PVXS0006-237 | Wheel Retainer, Gray Met | 20 |
| 17a | PVX990S-207 | Inlet, Suction, Small, Gray | 10 |
| 17b | PVX990M-236 | Inlet, Suction, Medium, Black Met | 10 |
| 17c | PVX990L-207 | Inlet, Suction, Large, Gray | 10 |
| 18a | PVXH014BKPK4 | Bracket Skirt, Black (4 pack) | 10 |
| 18b | PVXH013BKPK4 | Skirt, Black (4 pack) | 10 |
| 19 | PVXH011SA | Steering Bracket Roller | 20 |
| 20a | PVXH014BKPK4 | Bracket Skirt (4 pack) | 10 |
| 20b | PVX043042BKPK4 | Roller Skirt, Black (4 pack) | 10 |
| — | PVX631PK2 | Hose Float, Black (2 pack) | 10 |

# AquaNaut® 400 & 450

REPLACEMENT PARTS



## Parts Diagram



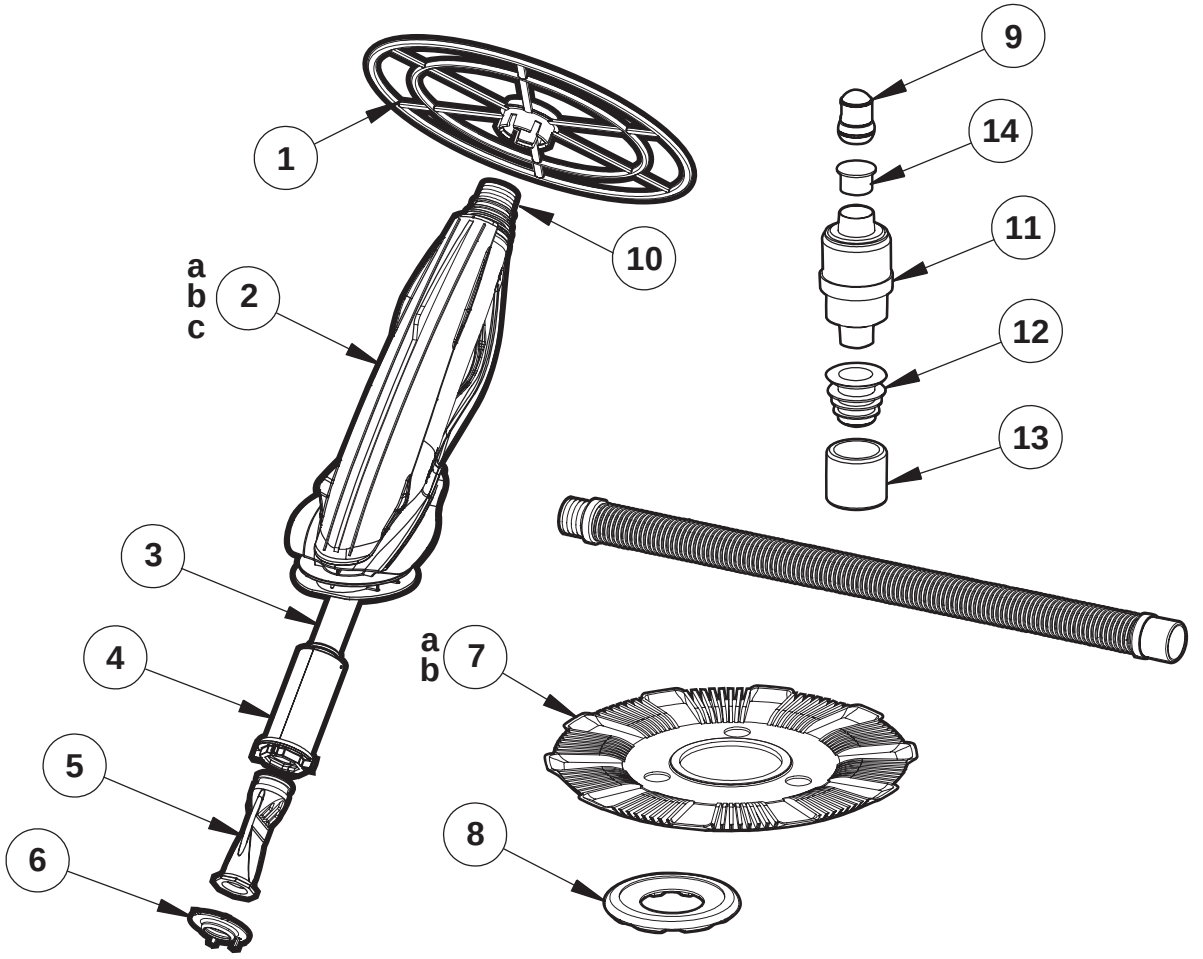
## Parts Listing

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | SCRX4012PK3 | Screw, #10 x 3 18-8 (3 pack) | 20 |
| 2a | PVXS0002-234-02 | Handle, 400 Blue Met,Upper Body 400, Blue Logo | 10 |
| 2b | PVXE0002-234-02 | Handle, 450 Blue Met | 10 |
| 3a | PVXS01SA-237-01 | Upper Body, Blue Logo | 1 |
| 3b | PVXE0001SA-237 | Upper Body, 450 Blue Logo | 1 |
| 4a | PVX075PK2-234 | Wheel Tread, Finger Hump, Blue Met (2 pack) | 10 |
| 4b | PVXS11PK2-234 | Wheel Tread, Super, Blue Met (2 pack) | 10 |
| 4c | PVX679PK2 | Wheel Tread, Super Super, Blue (2 pack) | 10 |
| 4d | PVXS16PK2-234 | Wheel Tread, Blue Met – Optional (2 pack) | 10 |
| 5 | PVXH007 | Gear, Drive, Large | 25 |
| 6 | PVXH019SA | Shaft Bearing | 25 |
| 7 | PVXH008PK2 | Gear, Drive, Small (2 pack) | 20 |
| 8 | PVXH038SA | Turbine, 6-Vane Kit | 10 |
| 9 | PVXS0007 | Shaft Retainer, White Plastic | 25 |
| 10 | PVXH009PK5 | Gear, Reduction (5 pack) | 20 |
| 11 | PVXH010009 | Steering Cam Gear 4x4 | 10 |
| 12 | PVXS0009-236 | Lower Body, 4-Wheel, Black Met | 1 |
| 13 | PVX976PK2 | Wheel Bearing (2 pack) | 10 |
| 14 | PVXH020SA | Gear Shaft, Rear | 25 |
| 15 | PVX051-236 | Wheel Hub, Black Met | 20 |
| 16a | PVXS005PK2-237 | Wheel Style 400, 5-Spoke Gray Met (2 pack) | 20 |
| 16b | PVXE003PK2-237 | Wheel Style 450, 4-Spoke Gray Met (2 pack) | 20 |
| 17 | PVXS0006-237 | Wheel Retainer, Gray Met | 20 |
| 18a | PVX990S-207 | Inlet, Suction, Small, Gray | 10 |
| 18b | PVX990M-236 | Inlet, Suction, Medium, Black Met | 10 |
| 18c | PVX990L-207 | Inlet, Suction, Large, Gray | 10 |
| 19a | PVXH014BKPK4 | Bracket Skirt (4 pack) | 10 |
| 19b | PVXH013BKPK4 | Skirt, Black (4 pack) | 10 |
| 19c | PVX013028BK | Rear Skirt Kit, Black (2 Hinged/2 Non Hinged) 4 Wheel Only | 10 |
| 20a | PVXH014BKPK4 | Bracket Skirt (4 pack) | 10 |
| 20b | PVX043042BKPK4 | Roller Skirt, Black (4 pack) | 10 |
| 21 | PVXH011SA | Steering Bracket Roller | 20 |
| - | PVX631PK2 | Hose Float, Black (2 pack) | 10 |

# DV5000/KingRay®

REPLACEMENT PARTS

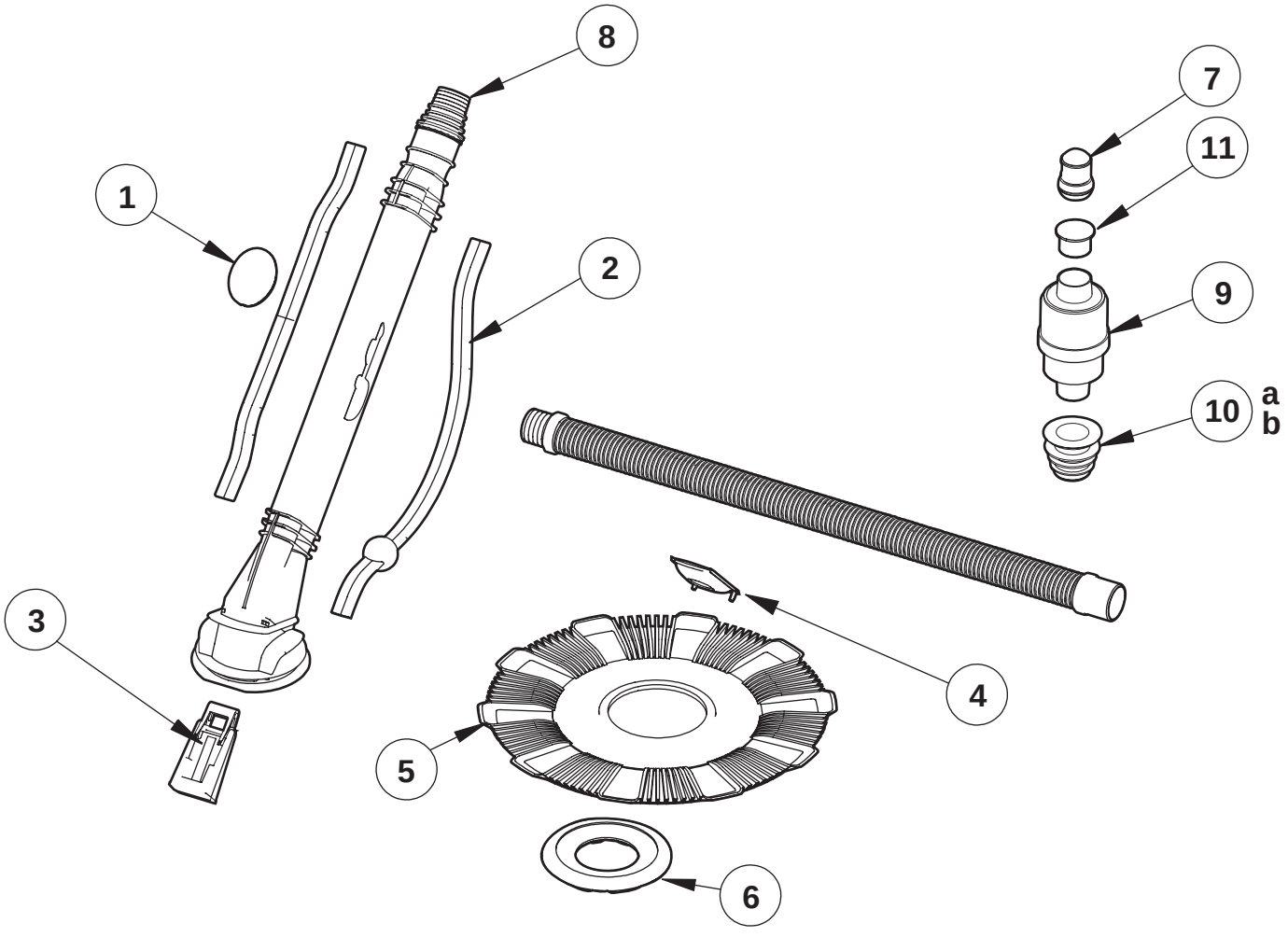
## Parts Diagram and Parts Listing




| Ref. No. | Part No. | Description | Ctn Qty. |
|---|---|---|---|
| 1 | DCX110 | Halo | 1 |
| 2a | DCX353 | Body Halves, Right and Left (DV5000) | 1 |
| 2b | DCX332 | Body Top Cover (DV5000) | 10 |
| 2c | DCX334 | Body Set Screws and Plugs (DV5000) | 10 |
| 3 | DCX108 | Internal Tube | 10 |
| 4 | DCX105 | Cassette Assembly (Includes Item 5, Diaphragm) | 10 |
| 5 | DCX105C | Diaphragm | 10 |
| 6 | DCX106 | Retainer, Cassette | 10 |
| 7a | DCX152 | Disc, KingRay | 1 |
| 7b | DCX152SV | Disc (DV5000) | 1 |
| 8 | DCX150 | Foot | 10 |
| 9 | DCX212 | Diverter, Eyeball | 10 |
| 10 | DCX212 | Swivel Assembly | 10 |
| 11 | DCX180 | Flow Regulator | 1 |
| 12 | DCX172 | Adapter | 10 |
| 13 | DCX174 | Weight, Hose | 10 |
| 14 | DCX182 | Bypass Lid | 10 |

**NOTE:** DV5000 and AquaRay do not require a leader hose.

## Parts Diagram and Parts Listing



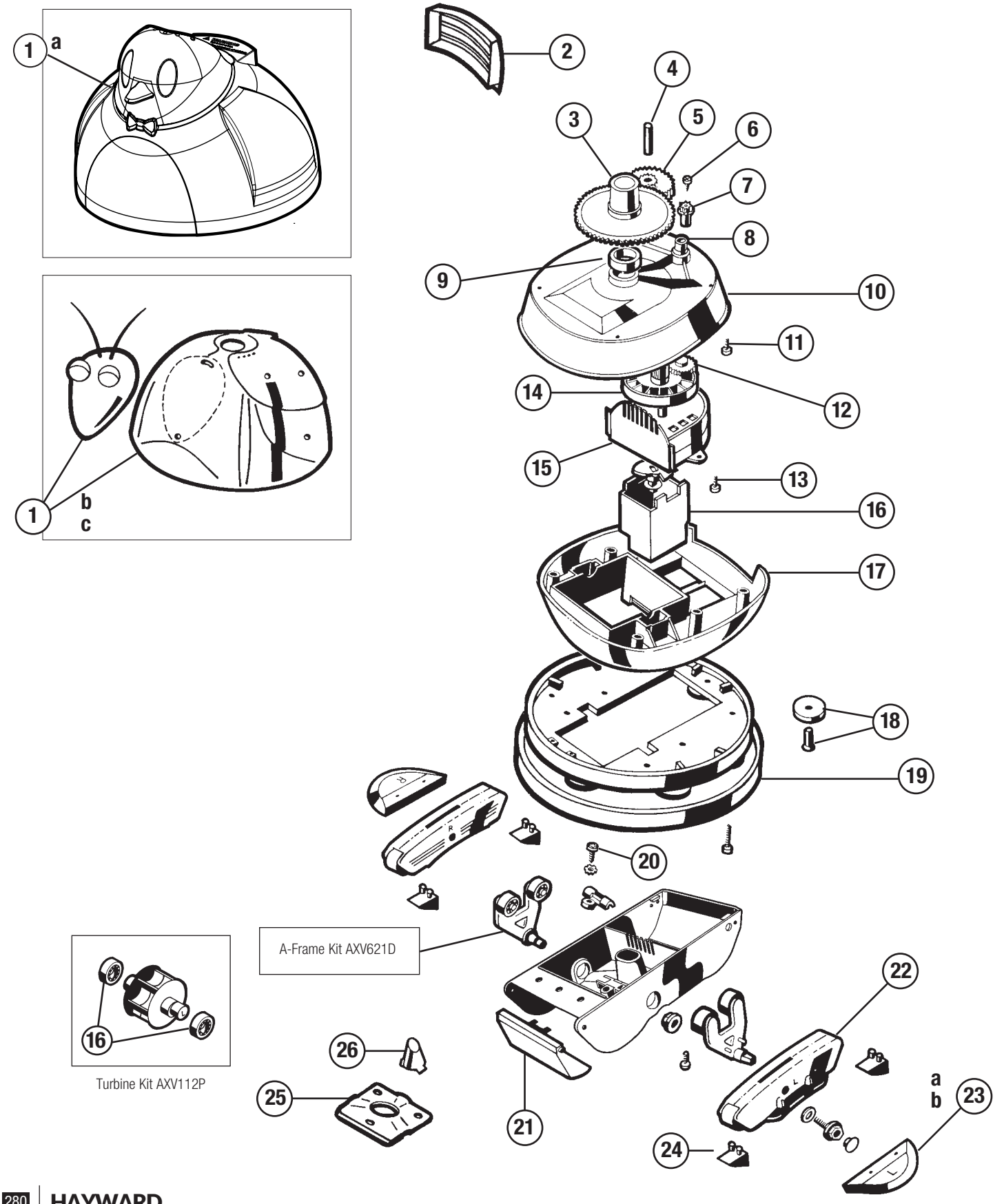

| Ref. No. | Part No. | Description | Ctn Qty. |
|---|---|---|---|
| 1 | DCX124 | Float | 10 |
| 2 | DCX128 | Deflector | 1 |
| 3 | DCX120 | Hammer and Spring Clip Kit | 10 |
| 4 | DCX122 | Hammer Retainer | 10 |
| 5 | DCX162 | Disc | 1 |
| 6 | DCX150 | Footpad | 10 |
| 7 | DCX170 | Eyeball Diverter | 10 |
| 8 | DCX212 | Swivel Assembly | 10 |
| 9 | DCX180 | Flow Regulator | 1 |
| 10a | DCX172 | Adapter | 10 |
| 10b | DCX1091 | Cone Style Adapter | 10 |
| 11 | DCX182 | Bypass Lid | 10 |

**NOTE:** DV5000 and AquaRay do not require a leader hose.

# Penguin/Whale®/Diver Dave®

ABOVE-GROUND CLEANER REPLACEMENT PARTS

## Parts Diagram



## Parts Listing

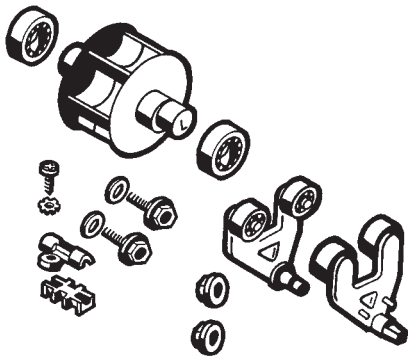
| Ref. No. | Part No. | Description | Ctn Qty. | No. Req'd |
|---|---|---|---|---|
| 1a | AXV100P | Shell Assembly Kit, Penguin | 1 | 1 |
| 1b | AXV500AOR | Shell Assembly Kit AquaBug, Orange | 1 | 1 |
| 1c | AXV500AYL | Shell Assembly Kit Aqua Critter, Yellow | 1 | 1 |
| 2 | AXV513BK | Screen, Black | 10 | 1 |
| 3 | AXV070 | Cone Gear | 10 | 1 |
| 4 | AXV309 | Intermediate Gear Shaft | 50 | 1 |
| 5 | AXV301 | Intermediate Gear | 25 | 1 |
| 6 | AXV068 | Spindle Gear Screw | 50 | 1 |
| 7 | AXV303 | Spindle Gear | 25 | 1 |
| 8 | AXV066A | Spindle Gear Bushing | 25 | 1 |
| 9 | AXV306 | Cone Gear Bushing | 25 | 1 |
| 10 | AXV060WH | Upper Middle Body | 10 | 1 |
| 11 | AXV065P | Lower/Upper Body Screw (6 pack) | 25 | 1 |
| 12 | AXV064A | Medium Turbine Drive Gear | 25 | 1 |
| 13 | AXV062C | Medium Turbine | 25 | 1 |
| 14 | AXV009 | Medium Turbine Case with Axle | 25 | 1 |
| 15 | AXV055P | Turbine Bearings (2) | 50 | 1 |
| 16 | AXV518P | Gear Box | 25 | 1 |
| 17 | AXV050CWH | Lower Middle Body | 10 | 1 |
| 18 | AXV551P | Wheel Kit (6 wheels, axles) | 25 | 1 |
| 19 | AXV458 | Ring, Black | 5 | 1 |
| 20 | AXV313 | Lower Body Screw | 25 | 1 |
| 21 | AXV442 | Flap Kit, White (2 flaps, front and rear) | 50 | 1 |
| 22 | AXV417WHP | Pod Kit | 25 | 1 |
| 23a | AXV552WHP | Wing Kit, White | 50 | 1 |
| 23b | AXV552ORP | Wing Kit, Orange | 50 | 1 |
| 24 | AXV014SP | Slotted Santoprene Shoes (4 pack) | 25 | 1 |
| 25 | AXV304A | Bottom Plate | 20 | 1 |
| 26 | AXV512A | Nozzle | 50 | 1 |

# AquaBug®, Penguin, Whale® & Diver Dave®

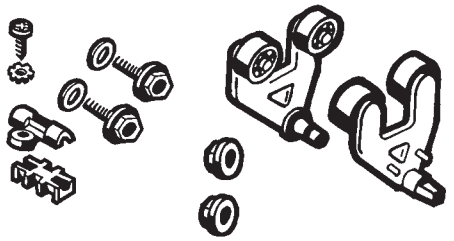
PARTS KITS AND ACCESSORIES FOR ABOVE-GROUND CLEANERS

## Parts Diagram

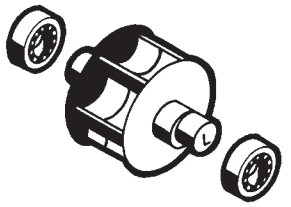
AXV621DAT Universal A-Frame/Turbine Kit



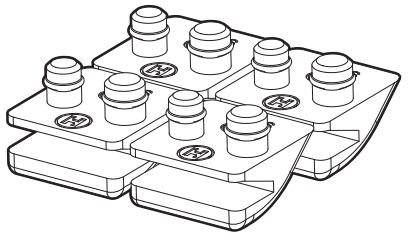
AXV621D Universal A-Frame Kit



AXV112P Turbine Kit Above Ground

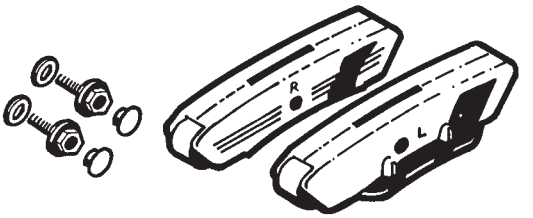


AXV014SP Pod Shoes

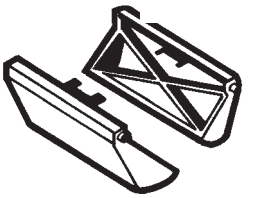


**NOTE:** *Limited quantities available

AXV417WHP Pod Kit, White



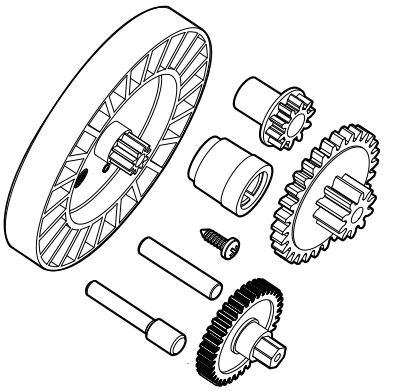
AXV434WHP Propulsion/Conversion Kit



AXV093BP Skimmer Adapter Cone



AXV079VP Medium Turbine/Spindle Gear Kit

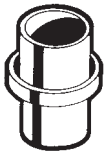


## Parts Listing

| Part No. | Description | Ctn. Qty. | No. Req'd |
|---|---|---|---|
| AXV014SP | Pod Shoes, Fiberglass (4 pack) | 25 | 1 |
| AXV014FNP | Pod Shoe Kit, Vinyl (4 pack) | 25 | 1 |
| AXV434WHP | Flap Kit, White (Includes front and rear flap assemblies) | 50 | 1 |
| 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 |
| AXV055P | Turbine Bearing Kit (2 pack) | 50 | 1 |
| AXV065P | Upper Body Screw Kit (6 pack) | 25 | 1 |
| 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 |
| AXV621D | A-Frame Kit (Includes two A-frames and bushings, saddle, keeper, two hex head pod screws and two pod screw washers) | 25 | 1 |
| AXV112P | Turbine Kit, Above Ground (Includes main turbine and two turbine bearings) | 25 | 1 |
| AXV417WHP | Pod Kit, White (Includes right and left pod assemblies) | 25 | 1 |
| AXV699P | A-Frame Bushing/Saddle Kit | 25 | 1 |
| AXV552WHP | Wing Kit, White (Includes left and right wings) | 50 | 1 |
| AXV552ORP | Wing Kit, Orange (Includes left and right wings) | 50 | 1 |

## Parts Diagram

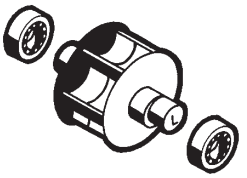
AXV092 Hose Connector



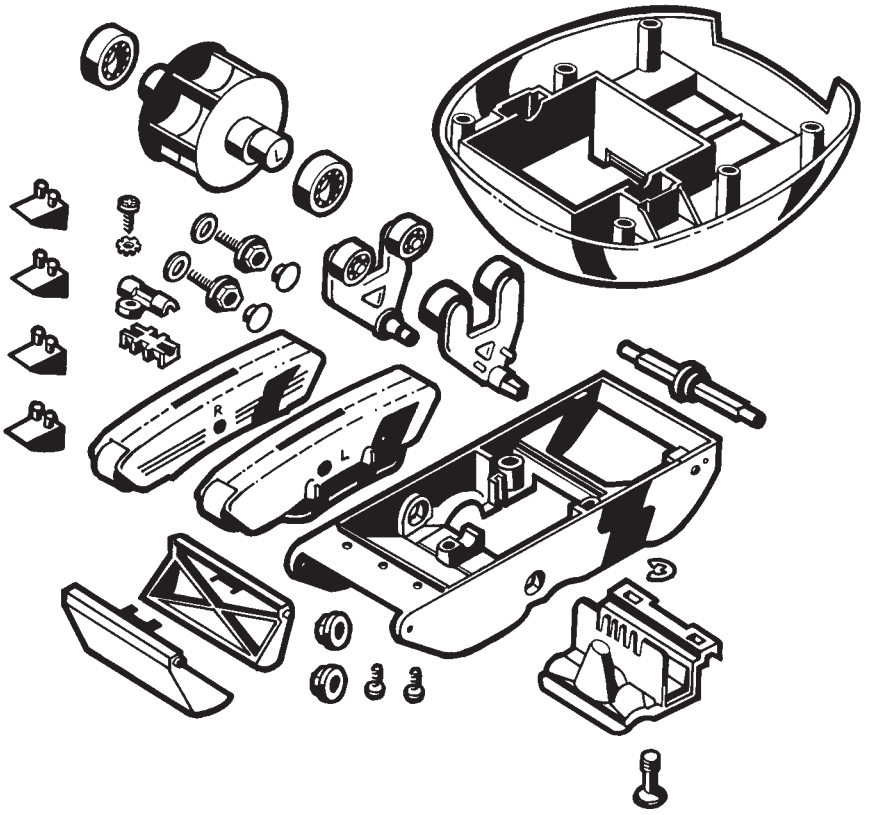
AXV098 Hose Adapter



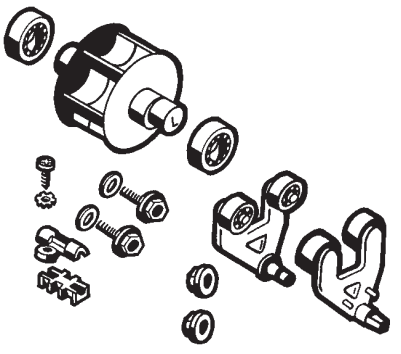
AXV602P Turbine Kit



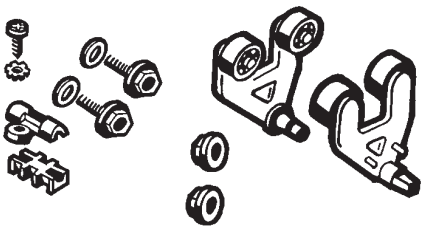
AXV622DPK Propulsion/Conversion Kit



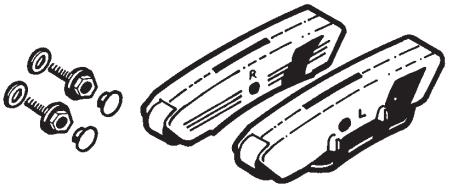
AXV621DAT Universal Model A-Frame/Turbine Kit



AXV621D Universal A-Frame Kit



AXV417WHP Pod Kit



## Parts Listing

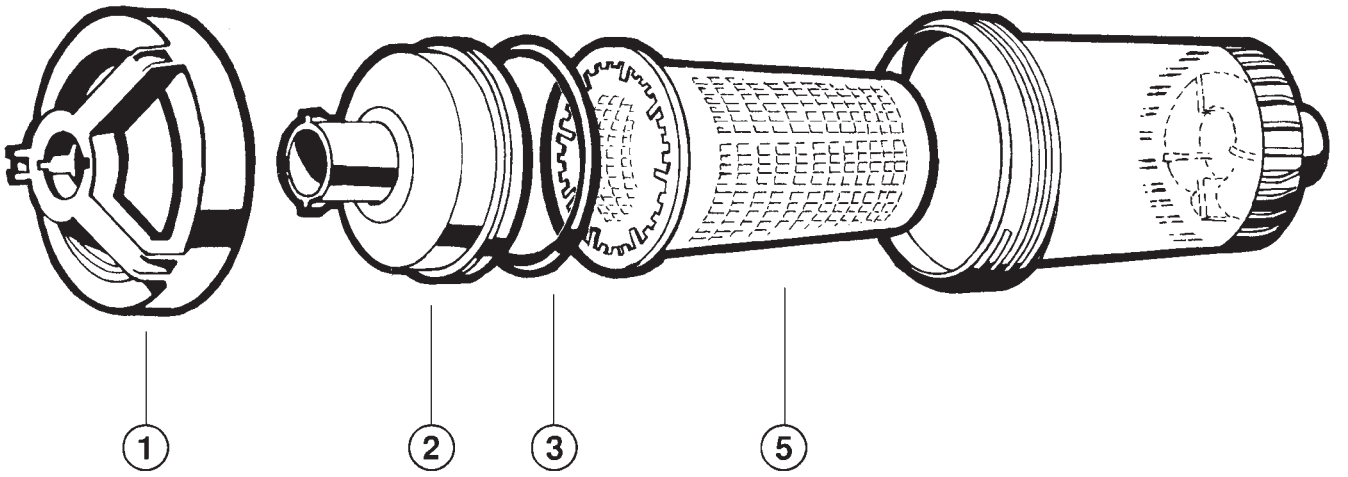
| Part No. | Black | Description | Ctn. Qty. |
|---|---|---|---|
| AXV414604WHP | — | **Shoe and Wing Maintenance Kit**<br>(Includes one set of concrete shoes and one set of wings) | 50 |
| AXV079VP | — | **Medium Turbine/Spindle Gear Kit**<br>(Includes medium turbine, drive gear bushing, spindle gear, screw, medium turbine axle, intermediate gear, intermediate gear axle) | 25 |
| AXV621D | — | **Universal A-Frame Kit**<br>(Includes two A-frames and bushings, saddle, keeper, two hex head pod screws and pod screw washers) | 25 |
| AXV602P | — | **Turbine Kit**<br>(Includes main turbine and two turbine bearings) | 25 |
| AXV621417WHP | | **A-Frame and Pod Tune Up Kit**<br>(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 |
| AXV621DAT | — | **Universal A-Frame/Turbine Kit**<br>(Includes two soft roller A-frames and bushings, saddle, keeper, main turbine and bearings, hex head pod screws and pod screw washers) | 10 |
| AXV417WHP | AXV417BKP | **Pod Kit**<br>(Includes right and left pods and pod plugs) | 25 |
| AXV699P | — | **A-Frame/Bushing/Saddle Kit**<br>Includes two bushings, saddle, keeper, screw and washer) | 25 |
| AXV622DPK | AXV622DPKBK | **Concrete Universal Propulsion/Conversion Kit**<br>(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 |
| AXV622604WHP | — | **Propulsion and Wing Rebuild Kit**<br>(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 |
| AXV092 | — | **Hose Connector** | 25 |
| AXV098 | — | **Hose Adapter** | 25 |

# Leaf Canisters

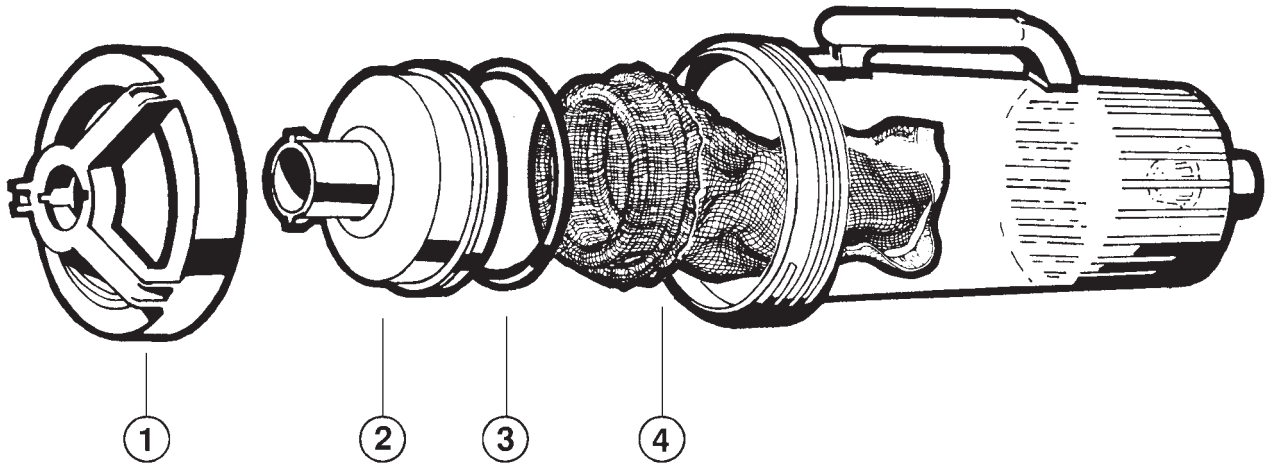
W530 AND 560 SERIES REPLACEMENT PARTS

## Parts Diagram and Parts Listing

W560 LEAF CANISTER Standard Capacity




W530 LEAF CANISTER Large Capacity

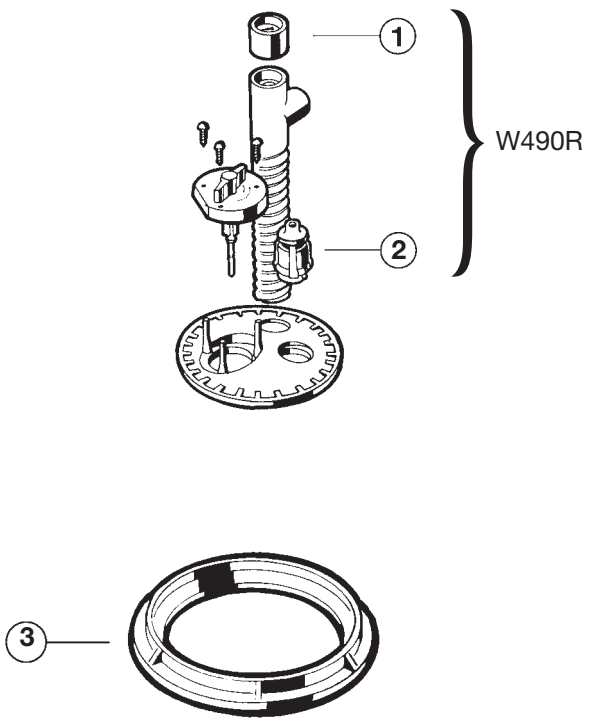


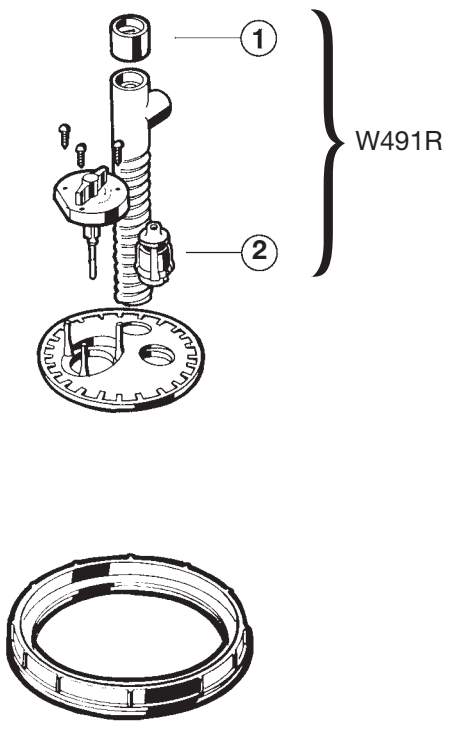

| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | AXW532BL | Lock Ring for W530 and W560 | 5 |
| 2 | AXW533AGR | Lid with O-Ring Assembly | 10 |
| 3 | AXW542 | Leaf Canister O-Ring for W530 and W560 | 25 |
| 4 | AXW538 | Permanent Bag for W530 | 5 |
| 5 | AXW431ABK | Leaf Basket for W560 | 8 |
| — | AXV098 | Hose Adapter for W530 and W560 | 25 |

# Skimmer Vacuum Plates

W490R, W491R SERIES REPLACEMENT PARTS

## Parts Diagram and Parts Listing



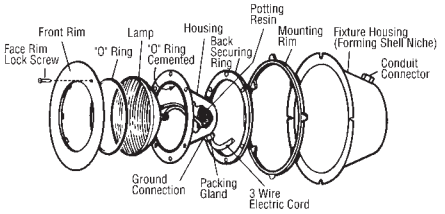




| Ref. No. | Part No. | Description | Ctn. Qty. |
|---|---|---|---|
| 1 | AXV096GR | Vacuum Gauge | 20 |
| 2 | AXW428A | Pressure Relief Valve Assembly | 25 |
| 3 | AXW475 | Adapter Ring with Gasket for W490R | 10 |

**PARTS AVAILABLE IN LIMITED QUANTITES**

# Underwater Lights & Accessories

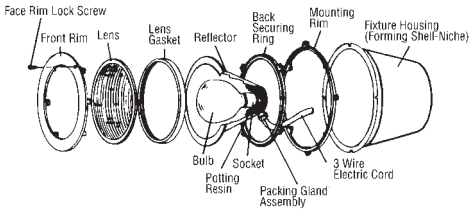
REPLACEMENT PARTS




SP0500, 0501, 0502

## Cat. Nos. SP0500, 0501, 0502 Sealed Beam Series

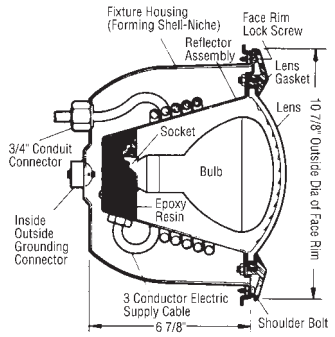
| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0502Z1 | Bulb, 300W, 12V, PAR 56 WFL | 12 |
| SPX0501HJ | O-Rings, Large and Small (Set), Special Hi-Temp | 1 |
| SPX0503Z20A | Face Rim Lockscrew with Washer | 1 |
| SPX0502A | Front Rim, CPB | 10 |
| SPX0502Z66 | Securing Rim Screw (Set of 6) | 1 |




SP0503, 0504

## Cat. Nos. SP0503 (400W, 120V), SP0504 (500W, 110V)

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0504Z7 | Bulb, 500W, 120V, R-40 Medium Base | 12 |
| SPX0503Z2C | Lens Clear (Tempered), 8 3/8" | 1 |
| SPX0503W | Lens Gasket, Special Hi-Temp | 50 |
| SPX0503Z20A | Face Rim Lockscrew with Washer | 1 |
| SPX0503A | Front Rim, CPB | 10 |
| SPX0503Z76 | Securing Rim Screw (Set of 6) | 1 |




SP0540, 0541, 0542, 0543

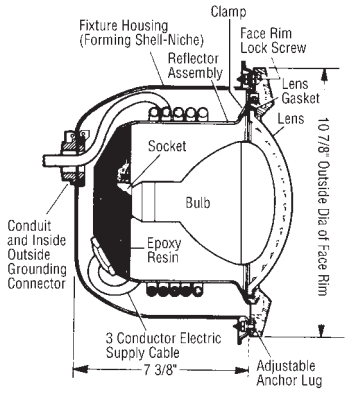
## Cat. Nos. SP0540, 0541, 0542, 0543 (StarLite Series)

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0540A | Molded Face Rim with Studs | 5 |
| SPX0540Z1 | Lens – Clear 7 9/16" Diameter (Tempered) | 10 |
| SPX0540Z2 | Lens Gasket, Special Hi-Temp | 20 |
| SPX0540Z16A | Face Rim Lockscrew with Fastener | 10 |
| SPX0555Z2 | Lower Mounting Screw | 10 |
| SPX0540Z4A | No. 10-24 Hex. Nut with Washer for Face Rim Studs | 10 |
| SPX0541Z1 | 300W, 12V, Bulb R-40 | 12 |
| SPX0504Z7 | 500W, 120V, Bulb R-40 | 12 |

## Cat. Nos. SP0560, 0570 (DuraLite Series)

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0580A1 | Molded Face Plate (for 570 Series with N Suffix) | 20 |
| SPX0570A | Molded Face Rim with Integral Flange (Smooth) | 5 |
| SPX0560EA | Clamp Screw with Nut and Washer | 1 |
| SPX0540Z16A | Retainer Screw Set | 10 |

**NOTE:** All other parts same as standard SP0580 Astrolite Series.




**SP0560, 0570 SERIES**

## Cat. Nos. SP0580, 0580S (AstroLite Series)

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0580A | Molded Face Rim | 4 |
| SPX0580AS | Stainless Steel Face Rim | 20 |
| SPX0580Z2 | Lens Gasket | 100 |
| SPX0580B | Assembly Clamp with Screw, Nut and Washer (SP0580 Series) | 20 |
| SPX0580BS | Assembly Clamp with Screw, Nut and Washer (SP0580S Series) | 20 |
| SPX0580Z3 | Face Rim Lockscrew with Fastener – SP580S | 20 |
| SPX0580Z1 | Face Rim Lockscrew with Fastener – SP580 | 10 |

**NOTE:** All other parts same as Starlite Series.

## Cat. Nos. SP0590S, 0590HS (AstroLite II Series)

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0590A | Stainless Steel Face Rim | 5 |
| SPX0590E | Snap-on Plastic Face Rim | 50 |
| SPX0590G | Lens Gasket | 10 |
| SPX0590Z2A | Face Rim Lockscrew with Fastener | 10 |
| SPX0550Z4 | 12V, 100W Bulb – Incandescent | 12 |
| SPX0551Z4 | 120V, 100W Bulb – Incandescent | 1 |
| SPX0591H | 120V, 100W Bulb – Halogen | 12 |
| SPX0590K | Blue and Red Replacement Lens Cover Kit | 12 |
| SPX0608C | Face Ring Assembly | 10 |
| SPX0608G | Gasket | 10 |
| SPX0608CP | Card Seal Kit | 10 |

# Underwater Lights & Accessories

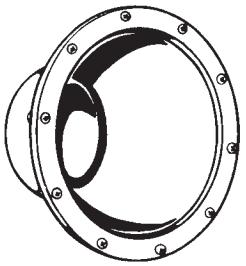
REPLACEMENT PARTS (continued)

## Cat. Nos. SP0520, 0530 (ColorLogic Series)

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0533AS | Stainless Steel Face Rim (Small) | 10 |

## Cat. Nos. SP0600, 0607, 0608U PVC Niches

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0600G | Grounding Bracket Assembly | 1 |
| SPX0555Z2 | Bottom Mounting Screw (SP0600 and SP0607) | 10 |
| SPX0507A1 | Front Frame, White (SP0607) | 5 |
| SPX0507A1DGR | Front Frame, Dark Gray (SP0607) | 5 |
| SPX0506D | Gasket (607) | 10 |
| SPX0507D | Back Retaining Ring (SP0607) | 25 |
| SPX0607Z1A | Screw Set | 25 |
| SPX0608C | Face Ring Assembly, White | 10 |
| SPX0608CDGR | Face Ring Assembly, Dark Gray | 10 |
| SPX0608G | Gasket | 10 |
| SPX0608CP | Cord Seal Kit | 10 |



SP0506

## Cat. Nos. LFGUY1000 & LGGUY1000 PVC Niches

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0608CP | Cord Seal Kit | 10 |
| SPX0800LPAK2 | Latch for Shallow Niche | 10 |
| SPX0506A | Front Frame, CPB | 5 |
| SPX0506D | Gasket | 10 |
| SPX0506Z1A | Screw Set | 1 |
| SPX0800Z1 | UCL Pool Light Retainer Screw Kit | 10 |
| SPX0601Z2PAK4 | UCL Spa Light Plastic Retainer Screw Kit | 10 |






## ProSeries Accessories Buying Guide

| Model Number | Description |
|---|---|
| PRX500960 | ProSeries White LED Bulb |
| PRXD240P | ProSeries Face Plate - White |
| SPX9474 | Niche (Vinyl) |
| SPX9470 | Niche (Concrete) |
| PRXD240DGR | Face Plate - Dark Gray |
| PRXD240GR | Face Plate - Gray |

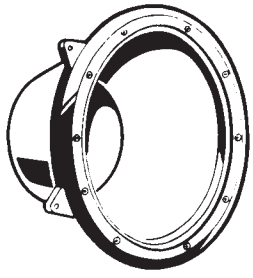
## Transformer Buying Guide

| Model Number | Description | Wattage |
|---|---|---|
| LTBCY11300 | Wall mounted transformer | 300 |
| LTSUY11300* | Wall mounted transformer, 4 relays | 300 |

**Note:** *This SKU is for use with Hayward Omni Automation only

## Cat. No. SP0507 Shell Assemblies

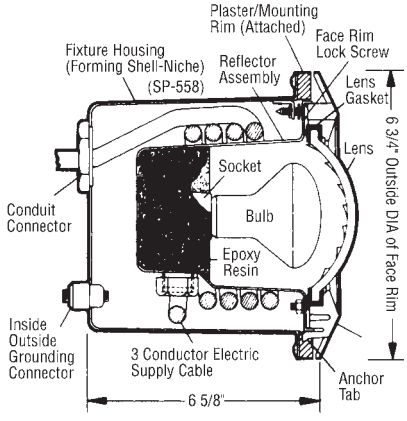
| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0507A1 | Front Frame, ABS, White | 5 |
| SPX0506D | Gasket | 10 |
| SPX0507D | Back Retaining Rim | 25 |



SP0507, 0607

## Cat. Nos. SP0550, 0551 (StarLite II Series)

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0550Z2 | Lens Gasket, Hi-Temp | 20 |
| SPX0540Z4A | No. 10-24 Hex. Nut with Washer for Studs | 10 |
| SPX0550Z4 | 100 Watt, 12 Volt Bulb, R-20 | 12 |
| SPX0551Z4 | 100 Watt, 120 Volt Bulb, R-20 | 1 |




SP0550

## Cat. No. SP056525 – Elite Above-Ground Light

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0565Z1 | Replacement 12 Volt/50 Watt Halogen Lamp with Reflector | 20 |
| SPX0565BA | Lens for Model SP056525 | 6 |
| SPX0565G | Gasket | 10 |
| SPX0565N | Fastening Nut | 10 |

## Cat. No. LACUx11xxx – 320/160

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| GLX-HAL-CRING | Replacement Compression Ring for 320/160 | 1 |

# Suction Outlets

REPLACEMENT PARTS



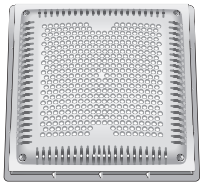
WG1051AVPAK2



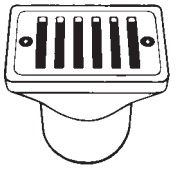
WG1153AVPAK2



WG1030AVPAK2



WG1032HF2PAK2



SP1019

## Suction Outlets

| Part Number | Description | Ctn. Qty. |
|---|---|---|
| SPX1411Z5A | Grate Securing Screw (Set of 2) – SP1048C | 25 |
| WGX1153B* | Extension Collar with Inserts | 10 |
| SPX1058DPAK2 | Gasket Kit (Set of 2) – SP1058, SP1059 | 25 |
| WGX1048B* | Vinyl Ring, 7 7/8" O.D. (SP1048, SP1049, WG1048, WG1049) | 40 |
| SPX1048DPAK2 | Gasket Kit (Set of 2) – SP1048, SP1049, WG1048, WG1049 | 50 |
| SPX1039Z18 | Vinyl Ring Screw (Set of 8) (SP1048, SP1049, WG1048, WG1049) | 20 |
| WGX1048E*,** | Cover, Suction Outlet – White (All Round Suction Outlets) | 10 |
| SPX1030Z1A | Cover Screw (Set of 2) (SP1048E only) | 25 |
| WGX1030Z1A | Cover Screw (Set of 2) (WGX1048E on drains without metal inserts only) | 100 |
| WGX1030Z1AM | Cover Screw (Set of 2) (WGX1048E on drains with metal inserts only) | 100 |
| SPX1030Z2A | Cover Screw (Set of 2) (SPX1048E on SP1048, SP1049 drains only) | 25 |
| WGX1030Z2A | Cover Screw (Set of 2) (WGX1048E on SP1048, SP1049 drains without metal inserts only) | 100 |
| WGX1030Z2AM | Cover Screw (Set of 2) (WGX1048E on SP1048, SP1049 drains with metal inserts only) | 100 |
| SPX1051Z1 | 1 1/2" Plastic Pipe Plug | 50 |
| SPX1053Z1 | 2" Plastic Pipe Plug | 100 |
| SPX1035B | Gasket (SP1035AV) | 10 |

**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. |
|---|---|---|
| SP1019BA | Grate with Screw Set (SP1019) | 100 |

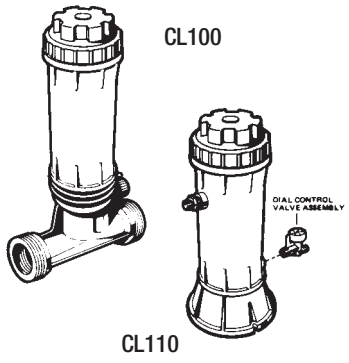
## Stratum® Vacuum Release System

| Part Number | Description | Ctn. Qty. |
|---|---|---|
| VRX100PAK | Tube Replacement Kit | 5 |
| VRX100H | Electrical Fuses (pack of 10) | 5 |
| CLX220J25 | 5/16" Tube x 25' | 5 |
| VRXPCBA | Circuit Board | 1 |

## CL100 and CL110 Series Chlorine Feeders

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| CLX110C* | Cover | 8 |
| CLX110K | O-Ring, Special Composition Viton | 100 |
| CLX110DA | Dial Control Valve Assembly | 50 |
| CLX110FA | Control Knob Assembly (CL100) | 100 |

**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.



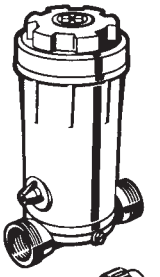

CL100

CL110

## CL200 and CL220 Series Chlorine Feeders

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| CLX200EGA | Cover Retaining Screw with Slip Washers and Center Cap | 50 |
| CLX200C* | Cover Cap | 5 |
| CLX200CA | Cover and Cap Assembly (Includes O-Ring) | 5 |
| CLX200B* | Cover | 5 |
| CLX200K | O-Ring, Special Composition Viton | 100 |
| CLX200DA | Feeder Tube and Boot | 40 |
| CLX200PA | Control Knob Assembly with O-Rings (Viton) – large (1989) | 100 |
| SPX1700FGV | Drain Plug with Gasket | 100 |
| CLX220B | Base (CL220) | 10 |
| CLX200BS | Base (CL200) | 10 |
| CLX220EA | Check Valve and Inlet Fitting Adapter Assembly | 100 |
| CLX220G | Saddle Fitting | 100 |
| CLX220GA | Saddle Fitting, Nut, Gasket, Saddle Clamp and 4 ft. Tubing | 20 |
| CLX220K | Saddle Clamp | 50 |
| CLX220J | 8 ft. Length Chlorinator Tubing | 25 |
| CLX220HPAK4 | Compression Nut (Set of 4) | 25 |
| CLX220P | 1/4" Adapter Fitting | 50 |
| SPX1091Z7TC | Combo Adapter with 1/4" Tap | 50 |
| SPX1105Z4TC | Elbow Adapter with 1/4" Tap | 10 |
| SPX1480BTC | Union End with 1/4" Tap | 50 |
| SP1500UNPAK2 | Female Union End Connector Pak (Includes 2 each Socket Connector, Union Nut, O-Ring) | 50 |
| SP1500UNMPAK1 | Male Union End Connector Pak (includes 1 each 1 1/2" MPT Nipple Connector, Union Nut, O-Ring) | 50 |

**NOTE:** *For bromine feeders, add a "2" to the end of the part number.



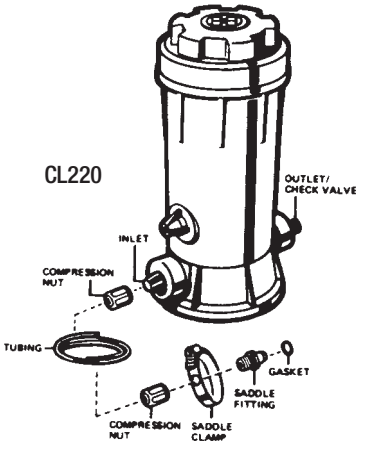
CL200



SP1500UNMPAK1



SP1500UNPAK2

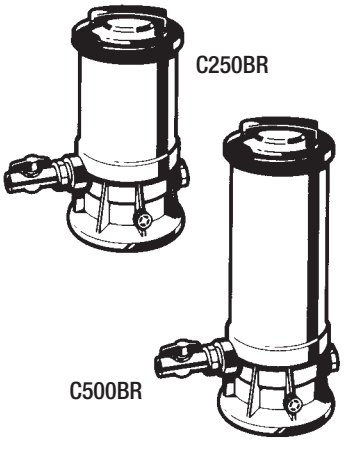



CL220

## C250CF, 500CF, 1100CF, 1800CF Chemical Feeders (see note)

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX3100D | Cover | 10 |
| SP3100T | Cover Removal Tool | 25 |
| SPX3000SV | Cover O-Ring, Special Composition Viton | 50 |
| CX500J | Strainer | 1 |
| CX250Z14A | 1/2" Drain Plug | 50 |
| SPX0605Z2V | Drain Plug O-Ring, Special Composition Viton | 10 |
| CX500BV | 3/4" Control Valve with Dial Indicator (C250BR, 500BR) | 15 |
| CX500CV | 3/4" Check Valve (C250BR, 500BR) | 25 |
| CX1100CV | 1 1/2" Check Valve | 5 |
| CX1100P | Handle for Control Valve | 100 |

**NOTE:** Formerly "BR" (Bromine) and "BRC" (Chlorine) feeders.

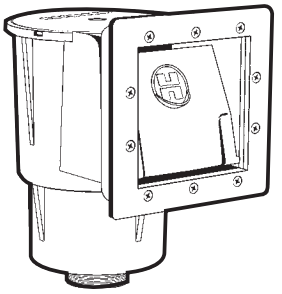


C250BR

C500BR

# Automatic Skimmers

REPLACEMENT PARTS



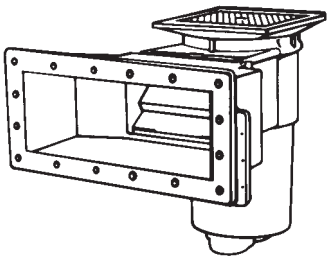
SP1091LX

## Cat. Nos. SP1090, SP1090WM, 1092

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1096CA | Basket, 5 1/8" O.D. x 3" | 10 |
| SPX1096B | Cover | 10 |
| SPX1096A2 | Basket Support Ring | 50 |
| SPX1096K | Weir | 10 |
| SPX1090D | Face Plate | 50 |
| SPX1094GPAK2 | Gasket (Set of 2) | 25 |
| SPX1090GA | Throttle Plate with Screw | 1 |
| SPX1090Z1A | Face Plate Screw Set | 1 |
| SPX1030Z1C | Face Plate Screw Set – 1 1/4" long | 10 |
| SPX1090AA | Body with Basket Ring | 1 |
| SPX1092C | Access Plug | 1 |
| **Wide Mouth Skimmer Parts – No. SP1090WM:** | | |
| SPX1090WMCV | Cover | 10 |
| SPX1090WMSB | Skimmer Basket | 10 |
| SPX1090WMW | Weir | 10 |
| SPX1090WMVA | Vacuum Adapter | 10 |
| SPX1090WMFP | Face Plate | 10 |
| SPX1090WMSG | Sealing Gasket (Set of 2) | 50 |

## Cat. Nos. SP1091LX, SP1091WM

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1091B | Skimmer Cover | 10 |
| SPX1091C | Basket with Handle | 12 |
| SPX1091K1 | Weir | 10 |
| SPX1091D | Face Plate Standard | 10 |
| SPX1091E | Widemouth Extension | 1 |
| SPX1091F | Face Plate Widemouth | 10 |
| SPX1091G | Gasket STD, Butterfly | 50 |
| SPX1091GW | Gasket Widemouth, Butterfly | 50 |
| SPX1090Z6A | Standard Screw Set | 50 |
| SPX1090Z7A | Widemouth Screw Set | 50 |



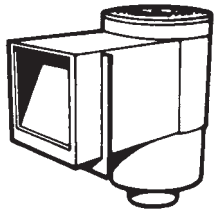
SP10851

## Cat. Nos. SP1094, 1094SPA, 1094H, 1095OM

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1094FA | Basket – 4 3/4" O.D. x 3" | 10 |
| SPX1094C | Cover | 24 |
| SPX1094K | Weir | 10 |
| SPX1094B | Face Plate | 10 |
| SPX1094GPAK2 | Gasket Kit (Set of 2) | 25 |
| SPX1030Z1C | Face Plate Screw Set – 1 1/4" (SP1094SPA) | 10 |
| SPX1094R | Face Plate Cover – Snap-On | 30 |
| SPX1090Z1A | Face Plate Screw Set | 1 |

## Cat. No. SP1089

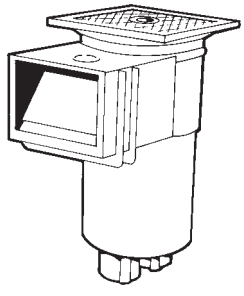
| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1088B | Cover | 20 |
| SPX1088GA | Basket Assembly | 10 |
| SPX1089K | Weir | 10 |
| SPX1084L | Face Plate | 20 |
| SPX0097E | Gasket | 10 |
| SPX1084Z4A | Face Plate Screw Set | 20 |



SP1096

## Cat. Nos. SP1096, 1097, 1098

| | | |
|---|---|---|
| SPX1096B | Cover | 10 |
| SPX1096AX | Adjusting Collar | 10 |
| SPX1096CA | Basket, 5 1/8" O.D. x 3" | 10 |
| SPX1096A2 | Basket Support Ring | 50 |
| SPX1096K | Weir | 10 |
| SPX1097D | Face Plate (SP1097, 1098) | 5 |
| SPX0097E | Gasket | 10 |
| SPX1090Z1A | Face Plate Screw Set | 1 |



SP1082

## Cat. Nos. SP1082, 1083, 1084, 1085, 1086

| | | |
|---|---|---|
| SPX1082E* | Cover, Square | 10 |
| SPX1082Z1 | Cover Screw (Square Cover) | 25 |
| SPX1082F | Adjusting Collar, Square – 4.5" Extension | 5 |
| SPX1082EFDGR | Square Collar and Cover Assembly – Dark Gray | 4 |
| SPX1084R** | Cover, Round | 10 |
| SPX1084RADGR | Round Collar and Cover Assembly – Dark Gray | 5 |
| SPX1084Z9 | Cover Screw (Round Cover) | 10 |
| SPX1084P** | Round Extension Collar | 10 |
| SPX1082CA | Basket with Handle | 18 |
| SPX1082N2 | Handle for SPX1082CA Basket | 50 |
| SPX1082D | Basket Support Ring | 40 |
| SPX1082K** | Weir | 10 |
| SPX1082H1A | Slide Plate with Screw | 10 |
| SPX1082Z3 | Vacuum Hose Adapter | 20 |
| SPX1053Z1 | 2" Pipe Plug | 100 |
| SPX1082Z2 | 2" x 1 1/2" Reducing Bushing | 75 |
| SPX1084L** | Face Plate (SP1084) | 20 |
| SPX1085B** | Face Plate (SP1085) | 10 |
| SPX1084BPAK2 | Gasket Kit (SP1084) (Set of 2) | 25 |
| SPX1085DPAK2 | Gasket Kit (SP1085) (Set of 2) | 50 |
| SPX1084C | Spacer (SP1084) | 1 |
| SPX1084Z1A | Face Plate Screw Set (Fine Threads) SP1084 | 20 |
| SPX1084Z4A | Face Plate Screw Set (Coarse Threads) SP1084 | 20 |
| SPX1084Z4AM | Face Plate Screw Set 1 1/4" Long (Coarse Threads) SP1084 | 25 |
| SPX1085Z1A | Face Plate Screw Set (Coarse Threads) SP1085 | 25 |
| SPX1085Z1AM | Face Plate Screw Set 1 1/4" Long (Coarse Threads) SP1085 | 50 |
| SPX1084B3PAK2 | Gasket Kit (SP1084OM) (Set of 2) | 25 |
| SPX1084B3PAK2 | Gasket Kit (SP1085OM) (Set of 2) | 25 |
| SPX1080EA | Basket with Sleeve | 5 |
| SPX1080AA | Flo-Selector Control with Valve | 5 |
| SPX1080D | Skimmer Throttling Plate | 5 |
| WGX1082E | NSF listed replacement cover (Auto-Skim, Square) | 12 |



SP1084

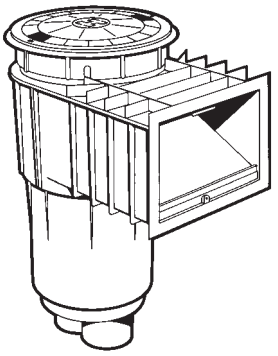
**Turbo Skimmer Parts – Skimmer Nos. SP1082T, 1084T Series:**

| | | |
|---|---|---|
| SPX1084KA | Turbo Boost Valve Assembly | 5 |

**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

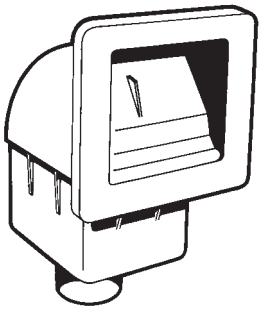
REPLACEMENT PARTS (continued)



SP1071

## Cat. Nos. SP1075, 1075T, 1076, 1077

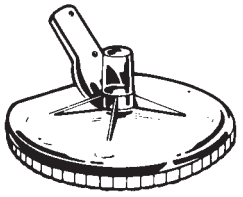
| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1075C1 | Cover, White | 10 |
| SPX1084Z9 | Cover Screw | 10 |
| SPX1075B | Adjusting Collar | 5 |
| SPX1082K | Weir | 10 |
| SPX1082CA | Basket – 6 ½" O.D. x 5" | 18 |
| SPX1075F | Flo-Control Slide Plate with Screw | 50 |
| SPX1075L | Multi-Flo Valve Control (SP1075T) | 25 |
| SPX1084L | Face Plate (SP1076) | 20 |
| SPX1085B | Face Plate (SP1077) | 10 |
| SPX1084BPAK2 | Gasket Kit (Set of 2) – SP1076 | 25 |
| SPX1085DPAK2 | Gasket Kit (Set of 2) – SP1077 | 50 |
| SPX1084Z4A | Face Plate Screw Set (Self-Tapping) (SP1076) | 20 |
| SPX1084Z4AM | Face Plate Screw Set – 1 ¼" long (Self-Tapping) | 25 |
| SPX1085Z1A | Face Plate Screw Set (Self-Tapping) (SP1077) | 25 |
| SPX1085Z1AM | Face Plate Screw Set – 1 ¼" long (Self-Tapping) | 50 |



SP1099S

## Cat. No. SP1070, SP1071 Series Skim-Master

| | | |
|---|---|---|
| SPX1070Z3PAK2 | Cover Retaining Screw (Set of 2) | 25 |
| SPX1070C* | Cover | 10 |
| SPX1070C10 | Cover, Tan | 10 |
| SPX1070B | Adjusting Collar, White | 5 |
| SPX1070B10 | Adjusting Collar, Tan | 5 |
| SPX1070BA* | Adjusting Collar and Cover Assembly | 5 |
| SPX1070E2 | Basket Handle | 100 |
| SPX1070KHR | Weir Assembly with Bumper Pad (for 1070 Series) | 10 |
| SPX1071K* | Weir Assembly with Bumper Pad (for 1071 and 1072 Series) | 10 |
| SPX1070E | Basket – 8 ¼" O.D. x 5 ¼" | 12 |
| SPX1082H1B | Flo-Control Slide Plate with Screw | 100 |
| SP1070FV | Float Valve Assembly (for 1070 and 1071 Series) | 24 |
| SPX1070FA | Flo-Control Trimmer Plate with Screw | 100 |
| SP1072FV | Float Valve Assembly (for 1072 Series) | 1 |
| WGX1070C | NSF listed replacement cover (Round) | 10 |



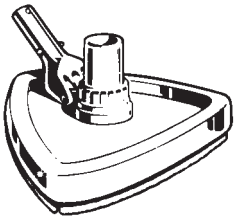
SP1067

## Cat. No. SP1099S Spa Skimmer

| | | |
|---|---|---|
| SPX1099B | Basket | 10 |
| SPX1099K | Weir | 10 |
| SPX1099C | Cover Plate, ABS | 50 |
| SPX1099E | Gasket | 50 |
| SPX1099FG | Air Relief Valve Kit | 100 |

**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

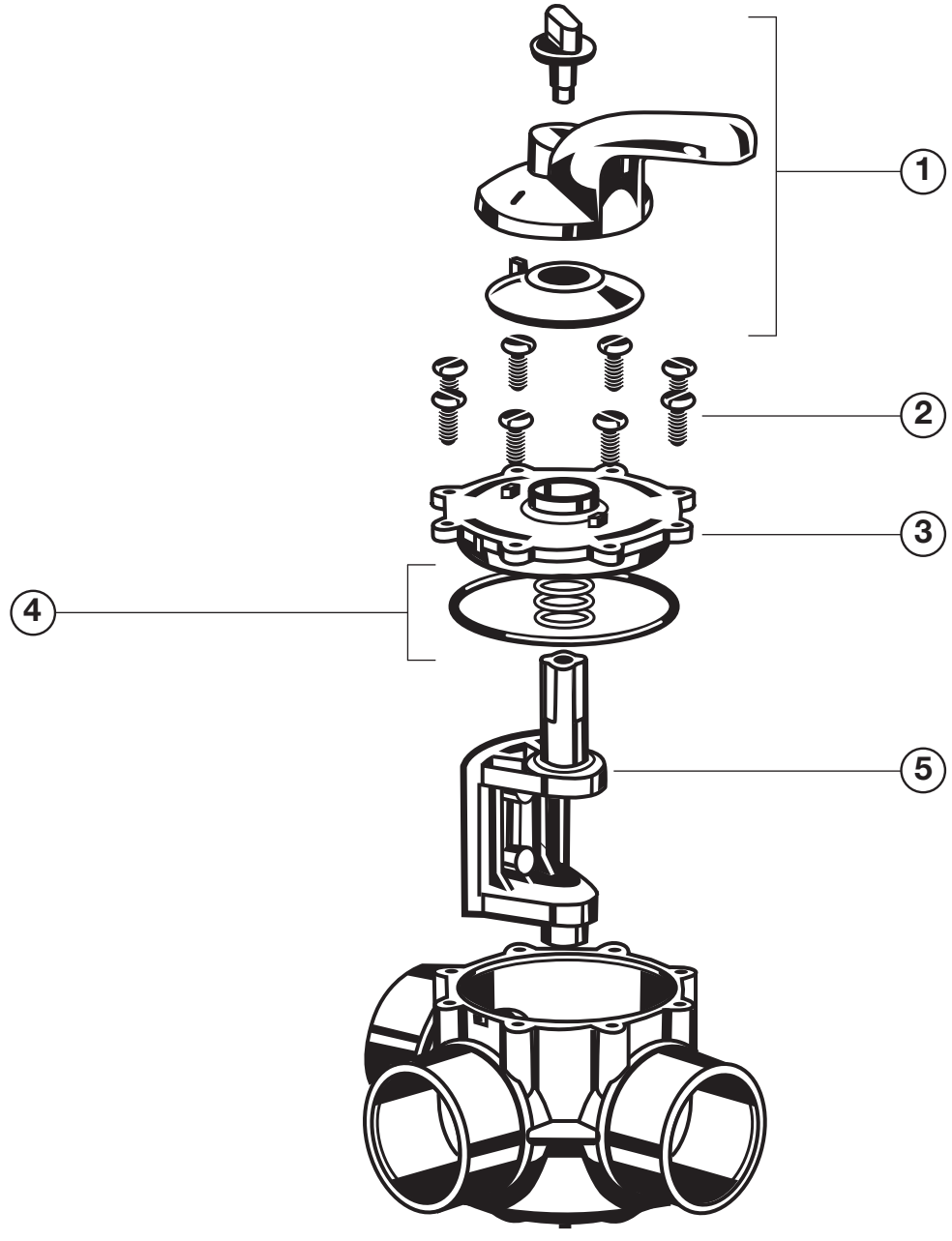
| Part Number | Description | Ctn. Qty. |
|---|---|---|
| SPX1067C | Brush Set | 10 |
| SPX1067QA | Quik-Snap Handle Connector with Spring | 25 |
| SPX0068Z1A | Bracket Bolt with Nut | 500 |

## Cat. No. SP1068 / SP1068DL / 1069 /1069DL Super-Vacs

| | | |
|---|---|---|
| SPX1068G3 | Brush (Set of 3) – for SP1068 | 40 |
| SPX1068C | Knurled Locknut | 10 |
| SPX1068DE | Swivel Hose Connector Set, 1 ¼" and 1 ½" | 50 |
| SP1068FA | Weight Pak (Set of 3) | 25 |
| SPX0068Z1A | Bracket Bolt with Nut | 500 |
| SPX1067QA | Quik-Snap Handle Connector with Spring | 25 |
| SPX1067S | Snap-Spring only | 25 |

# PSV Series Diverter & Check Valves

REPLACEMENT PARTS




## Parts Diagram and Parts Listing

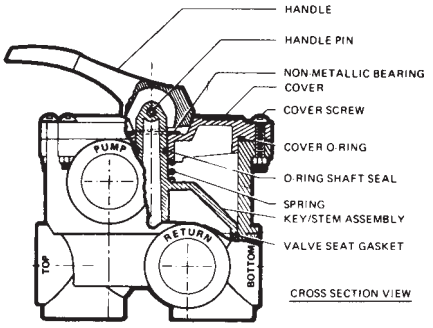
| Ref. No. | Part No. | Description | Ctn Qty. | No. Req'd |
|---|---|---|---|---|
| 1 | PSXVCA* | Handle/Index Kit | 10 | 1 |
| 2 | PSXVZ1A*,** | Screw Set (8 pcs.) | 150 | 1 |
| 3 | PSXVB* | Cover | 10 | 1 |
| 4 | PSXVZ2A*,** | Key and Cover O-Ring Kit | 200 | 1 |
| 5 | PSXVDE* | Valve Key Assembly | 10 | 1 |
| — | PSXVBCA* | Upper Valve Kit (Includes #'s 1-5) | 10 | 1 |
| — | PSXCVBAH** | Check Valve Cover and Flapper Replacement Kit | 1 | 1 |

**NOTE:** *Parts used on Diverter Valves. **Parts used on Check Valves.

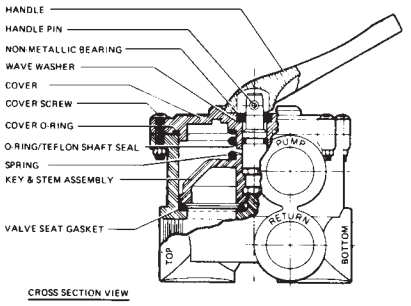
# Multiport Valves

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. |
|---|---|---|
| SPX0710XF | Handle | 10 |
| SPX0710XZ7 | Handle Pin | 50 |
| SPX0710Z16 | Non-Metallic Bearing (Pack of 5) | 50 |
| SPX0710XZ5 | Cover O-Ring | 10 |
| SPX0735GA | O-Ring/Teflon Shaft Seal | 100 |
| SPX0710G | Valve Position Label | 50 |
| SPX0710Z1A | Cover Screw with Nut (Set of 6 each) | 10 |
| SPX0603S | Spring | 50 |
| SPX0710Z62 | Spring Washers (Set of 2) | 10 |
| SPX0710K | ¼" Plastic Pipe Plug | 10 |
| SPX0710XD | Valve Seat Gasket, 5 Spoke – for "X" Valve Body | 50 |
| SPX0710XC | Key/Stem Assembly | 50 |
| SPX0710XBA | Key, Cover and Handle Assembly, White | 5 |
| SPX0710XBA17 | Key, Cover and Handle Assembly, Black | 5 |
| SPX0710MA | Threaded Sight Glass with Gasket | 50 |
| SX200Z9 | Gasket for Threaded Sight Glass | 25 |
| SPX0710XALLAA | Valve Body with Gasket and Sight Glass – Style "ALL" | 10 |
| SPX0710XA3A | Valve Body with Gasket and Sight Glass – Style 3 | — |
| SPX0710X32AA | Valve Body with Gasket and Sight Glass – with Filter Tank Pipes and Locknuts – for S200, S240 **only** | 1 |
| SPX0710XR50AA | Valve Body and Sight Glass – with Filter Tank Pipes and Locknuts. "Reverse" style – for DE Series **only** | 1 |
| SPX0710X62AA | Valve Body with Gasket and Sight Glass – with Filter Tank Pipes and Locknuts – for Pro Series (Side Mount) **only** | 1 |
| SPX0710Z9 | 3M Adhesive, 5 oz. tube for Valve Seat Gasket | 10 |

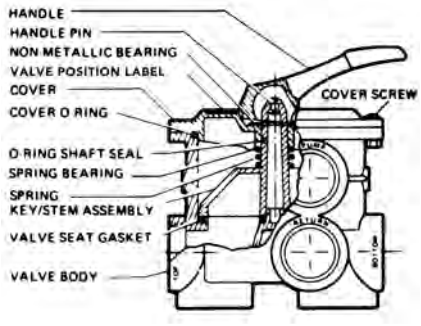
**NOTE:** Parts below are for SP0710 and 0711 Series (1969–1975). These parts are NOT interchangeable with current production models.

| | | |
|---|---|---|
| SPX0710Z7 | Handle Pin | 1 |
| SPX0710Z3 | Cover O-Ring | 50 |
| SPX0603Z2A | O-Ring/Teflon Shaft Seal | 1 |
| SPX0710D | Valve Seat Gasket, 6 Spoke | 10 |
| SPX0710XBA | Key, Cover and Handle Assembly – Replaces SPX0710B (cover) and SPX0710C | 5 |

## Cat. Nos. SP0715, 0716, 2" Vari-Flo Valves

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0710FL | Handle, Large | 25 |
| SPX0715F | Handle, Standard | — |
| SPX0710XZ7 | Handle Pin | 50 |
| SPX0710Z16 | Non-Metallic Bearing (Pack of 5) | 50 |
| SPX0715G | Valve Position Label | 10 |
| SPX0710Z1A | Cover Screw with Nut (Set of 6 each) | 10 |
| SPX0715Z1 | Cover O-Ring | 10 |
| SPX0603S | Spring | 50 |
| SPX0710Z62 | Spring Washers (Set of 2) | 10 |
| SPX0735GA | O-Ring/Teflon Shaft Seal | 100 |
| SPX0710K | 1/4" Plastic Pipe Plug | 10 |
| SPX0715D | Valve Seat Gasket | 50 |
| SPX0715C | Key/Stem Assembly – Noryl | 10 |
| SPX0715BA | Key, Cover and Handle Assembly, White | 4 |
| SPX0715BA3 | Key, Cover and Handle Assembly, Black | 4 |
| SPX0715ALLAA | Valve Body with Gasket and Sight Glass – Style "ALL" | 8 |
| SPX0715XR50AA | Valve Body with Gasket and Sight Glass – with Filter | 1 |
| | Tank Pipes and Locknuts. "Reverse" style – for DE only | |
| SPX0710MA | Threaded Sight Glass with Gasket | 50 |
| SX200Z9 | Gasket for Threaded Sight Glass | 25 |

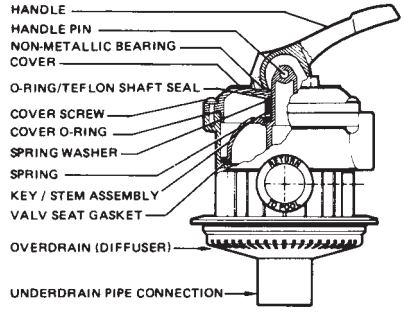
SP0715 SERIES




## Cat. No. SP0704, 1½" Vari-Flo Valve – 4 Position

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0710XF | Handle | 10 |
| SPX0710XZ7 | Handle Pin | 50 |
| SPX0710Z16 | Non-Metallic Bearing (Pack of 5) | 50 |
| SPX0704B2 | Cover, Black | 15 |
| SPX0704F | Cover O-Ring | 100 |
| SPX0704HA | O-Ring/Teflon Shaft Seal | 10 |
| SPX0603S | Spring | 50 |
| SPX0710Z62 | Spring Washers (Set of 2) | 10 |
| SPX0704D | Valve Key Gasket | 50 |
| SPX0704CA | Key and Gasket Assembly | 1 |
| SPX0704BA | Key, Cover, Gasket and Handle Assembly | 1 |
| SPX0704AA | Valve Body with Diffuser | 1 |

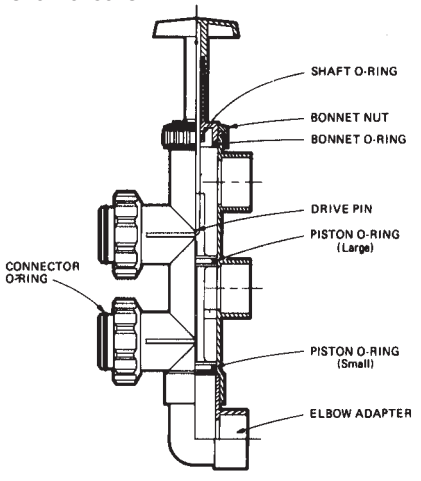
SP0704 SERIES




## Cat. Nos. SP0410X Series Slide Valve

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0410BA | Handle and Piston Assembly | 15 |
| SPX0410BK | Piston only with Pin | 10 |
| SPX0722D2 | Bonnet Nut, Black | 50 |
| SPX0722GH | Bonnet O-Ring Kit | 10 |
| ECX9611246 | Shaft O-Ring | — |
| ECX9611246PAK3 | Shaft O-Ring (Set of 3) | 25 |
| SPX0410Z2 | Piston O-Ring, Large | 100 |
| SPX0410K | Drive Pin | 50 |
| SPX0410Z1 | Piston O-Ring, Small | 100 |
| SX200Z4PAK2 | Valve/Union O-Ring (Set of 2) | 25 |

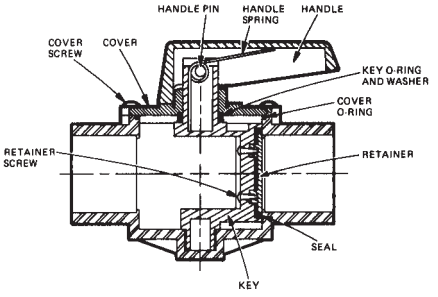
SP0410X602S



# Multiport Valves

REPLACEMENT PARTS (continued)

**SP0733S**



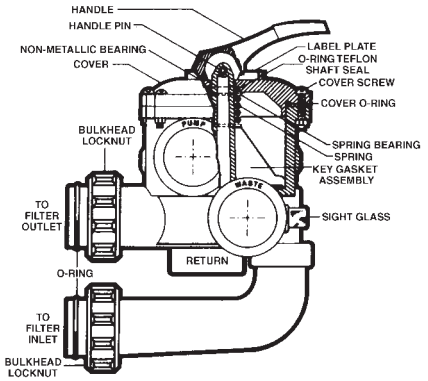

## Cat. No. SP0733 Series Dial-A-Flo Valves

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0733D | Handle | 10 |
| SPX0733H | Handle Pin | 1 |
| SPX0733J | Handle Spring | 100 |
| SPX0733B | Cover with Label | 50 |
| SPX0733Z3A | Cover Screw (Set of 8) | 50 |
| SPX0733Z2A | Cover O-Ring with Washer and Spacer | 10 |
| SPX0733Z1A | Key O-Ring with Washer and Spacer | 10 |
| SPX0733E | Seal | 10 |
| ECX1019 | Retainer Screw | 10 |
| SPX0733CA | Key and Seal Assembly with O-Ring | 50 |
| SPX0733BA | Key, Seal, Cover and Handle Assembly | 20 |

## Cat. No. SP0727 Perflex Diverter Valve (Not Illustrated)

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0727D | Handle | 1 |
| SPX0733H | Handle Pin | 1 |
| SPX0727J | Handle Spring | 100 |
| SPX0727K | O-Ring, Cover | 1 |
| SPX0733Z3A | Cover Screw (Pkg. of 8) | 50 |
| SPX0727H | Seal | 1 |
| SPX0733Z1A | O-Ring (Key) | 10 |
| SPX1483C | O-Ring (Union) | 10 |
| SPX0727E | Union Nut | 10 |

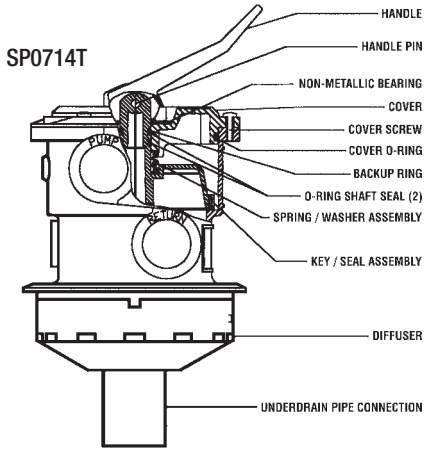
**SP0740DE**




## Cat. No. SP0740DE 2" Selecta-Flo™ Valve

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0710FL | Handle, Large | 25 |
| SPX0710XZ7 | Handle Pin | 50 |
| SPX0710Z16 | Non-Metallic Bearing (Pack of 5) | 50 |
| SPX0740B | Cover | 10 |
| SPX0710Z1A | Cover Screw with Nut (Set of 6 each) | 10 |
| SPX0715Z1 | Cover O-Ring | 10 |
| SPX0603S | Spring | 50 |
| SPX0704HA | O-Ring/Teflon Shaft Seal | 10 |
| SPX0710Z62 | Spring Washers (Set of 2) | 10 |
| SPX0740D | Valve Seat Gasket | 50 |
| SPX0740C | Key/Stem Assembly | 10 |
| SPX0740BA | Key, Cover, Handle Assembly | 1 |
| SPX0740AA | Valve Body with Gasket and Sight Glass – with Tank Pipes and Locknuts | 1 |
| SX200Z4PAK2 | Valve/Union O-Ring (Set of 2) | 25 |

**SP0714T**



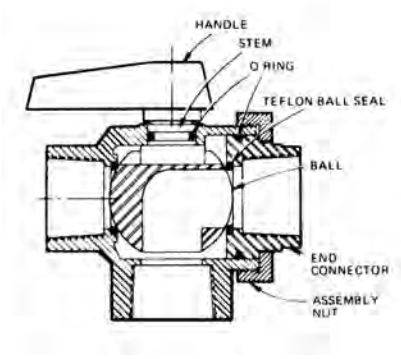

## Cat. No. SP0714T Vari-Flo™ XL Valve

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0710XF | Handle | 10 |
| SPX0710XZ7 | Handle Pin | 50 |
| SPX0710Z16 | Non-Metallic Bearing (Pack of 5) | 50 |
| SPX0714G | Valve Position Label | 50 |
| SPX0714BA | Key, Cover and Handle Assembly | 5 |
| SPX0714Z1 | Cover Screw (Set of 6) | 10 |
| SPX0714L | Cover O-Ring | 50 |
| SPX0735GA* | O-Ring Shaft Seal Assembly | 100 |
| SPX0710Z62 | Spring Washers (Set of 2) | 10 |
| SPX0714CA | Key/Seal Assembly | 10 |
| SPX0714D | Diffuser | 5 |
| SPX0714A | Valve Body with Gasket and Sight Glass | 1 |

**NOTE:** *Two required for each valve.

## Cat. Nos. SP0720, 0730, 0735 Ball Valves

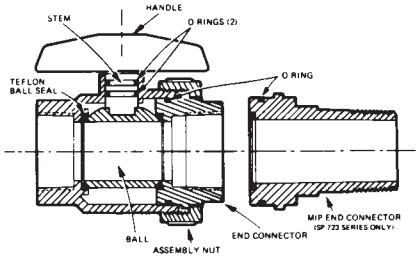
| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0735D | Handle | 10 |
| SPX0735F | Stem | 1 |
| SPX0735GH | O-Ring, Stem and End Connector | 100 |
| SPX0735E | Assembly Nut | 50 |
| SPX0720P2 | Teflon Ball Seal (Set of 2) (SP0720, 0730) | 10 |
| SPX0735P2 | Teflon Ball Seal (Set of 2) (SP0735) | 1 |
| SPX0720B | End Connector – Threaded (SP0720, 0730) | 50 |
| SPX0735B | End Connector – Threaded (SP0735) | 40 |
| SPX0735C | Ball (SP0735) | 5 |




SP0735

## Cat. Nos. SP0722, 0723 and UN, 1½" Trimline Ball Valves

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0722F | Handle | 50 |
| SPX0722B7 | Stem | 10 |
| SPX0720P2 | Teflon Ball Seal (Set of 2) – 1976 and Prior | 10 |
| SPX0722P2 | Teflon Ball Seal (Set of 2) | 100 |
| SPX0722GH | Bonnet O-Ring Kit | 10 |
| SPX0722D | Assembly Nut | 50 |
| SPX0722C7 | Ball | 10 |
| SPX0722ET7 | End Connector – FIP | 50 |
| SPX0722ES7 | End Connector – SKT | 40 |
| SPX0723ET7 | End Connector – MIP | 40 |
| SPX0722UT | Union End Connector – FIP (UN Series only) | — |
| SPX0722US | Union End Connector – SKT (UN Series only) | 50 |
| SPX1495Z1 | End Connector O-Ring (UN Series only) | 50 |



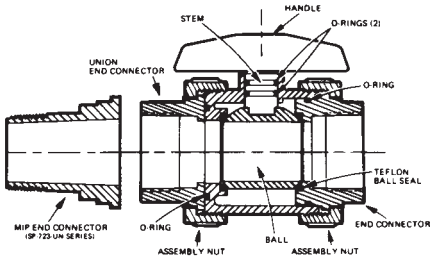

SP0722, 0723

## Cat. Nos. SP0729 1½" 2-Way Ball Valves

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0728D | Handle | 10 |
| SPX0728H | O-Ring, End Connector | 10 |

## Cat. Nos. SP0724, 0725, 0726, 2" Trimline Ball Valves

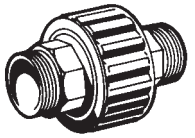
| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0724J | Handle | 1 |
| SPX0724B | Stem | — |
| SPX0724GA | Teflon Ball Seal (Set of 2) with O-Ring Stem and End Connector | 1 |




SP0722UN, 0723UN

# Unions

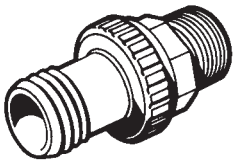
REPLACEMENT PARTS



SP1480
SERIES

### Cat. Nos. SP1480, 1482, 1484, 1485 Self-Align Unions

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1480C | Union Nut | 10 |
| SPX1425Z6 | O-Ring | 25 |
| SPX1485C | Gasket | 25 |



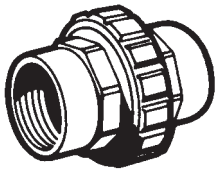
SP1493

### Cat. Nos. SP1491, 1492, 1493 Econo-Unions

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1491B | O-Ring | 10 |
| SPX1068C | Union Nut | 10 |

### Cat. Nos. SP1495 (1 1/2") and SP1498 (2") Flush Unions

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1495Z1 | O-Ring | 50 |
| SPX1495C | Union Nut | 50 |
| SX200Z3 | O-Ring (2") | 50 |
| SPX1498C | Union Nut (2") | 50 |



SP1495

## JUNCTION BOXES

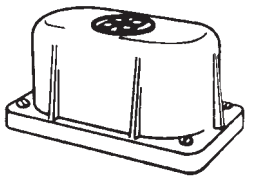
### Cat. No. LJBUY10UU1

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1500NPAK4 | Screw and Nut Kit (Set of 4) | 10 |

### Cat. Nos. SP0680, 0681 (Lexan®)

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0680LA | Packing Gland Nut, Bushing and Washer, 10-3 | 30 |
| SPX0680J | 3/4" Noryl® Pipe Plug | — |

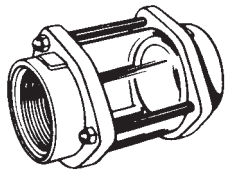
## IN-LINE SIGHT GLASSES



SP0680

### Cat. Nos. SP1072, 1074 (Cycolac)

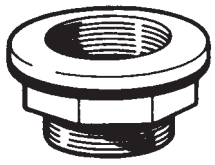
| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0072D | Cylinder, 2 1/2" O.D. x 2 3/8" | 25 |
| SPX107242 | Gasket (Set of 2) | 1 |
| SPX10723A | Bolt with Nut | 1 |
| **Miscellaneous** | | |
| SPX0404A | Threaded Eyebolt – for SP0404 | 10 |
| SPX0392BA | Brass Wedge, Bolt with Washer – for SP392, 393 | 50 |
| SPX1392CA | Wedge, Bolt with Washer – for SP1392 | 50 |
| ECX1308 | "Schmear" Compound for Field Repairs, White | 1 |
| ECX1308IVY | "Schmear" Compound for Field Repairs, Ivory | 1 |



SP1072

## Cat. Nos. SP1023, 1023G, 1024, 1025

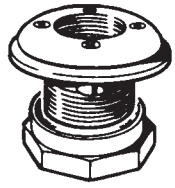
| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1023B | Locknut for 1 ½" SP1023 Fitting | 50 |
| SPX1023Z3 | Fiber Slip Washer for 1 ½" SP1023 Fitting | 20 |
| SPX0023Z12 | Gaskets for 1 ½" SP1023 Fitting (Set of 2) | 20 |
| SPX0023Z2 | Butterfly Gasket for SP1023G Fitting | 25 |
| SPX1025Z12 | Gasket (Set of 2) – (SP1025) | 10 |
| SPX1025Z3 | Fiber Slip Washer – (SP1025) | 50 |
| SPX0023Z1S2 | Gaskets for 2" SP1023S2 Fitting (Set of 2) | 20 |
| SPX1408ADT* | 2" to 1 ½" Adapter and O-Ring (SP1408S2, SP1023S2, SP1022S2) | 10 |



SP1023

## Cat. Nos. SP1411, 14071, 1408

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1411B | Face Plate (SP1411, 14071) | 25 |
| SPX1408B* | Faceplate for 1 ½" SP1408 Fitting | 100 |
| SPX1411Z12PAK2 | Gasket Kit (SP1411, SP14071) (Set of 2) | 50 |
| SPX1408C | Gasket for 1 ½" SP1408 Fitting | 25 |
| SPX1411Z1A | Faceplate Screw Set for SP1411 (Set of 4) | 25 |
| SPX1407D | Locknut Spacer (SP14071, 1408, 1025) | 10 |
| SPX1039Z1A | Faceplate Screw Set for SP1408 (Set of 4) | 50 |
| SPX1407DS2 | Locknut Spacer for 2" SP1408S2 Fitting | 10 |
| SPX1408CS2 | Gasket for 2" SP1408S2 Fitting | 25 |
| SPX1408BS2* | Faceplate for 2" SP1408S2 Fitting | 10 |
| SPX1408ADT* | 2" to 1 ½" Adapter and O-Ring (SP1408S2, SP1023S2, SP1022S2) | 10 |
| SPX1408Z1APAK6 | Faceplate Screw Set for 2" SP1408S2 (Set of 6) | 50 |

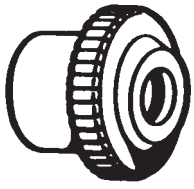


SP1408

**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. |
|---|---|---|
| SPX1419B1 | Ball Seat | 10 |
| SPX1419C1, 2, 3, 4, 5 | Ball, Slotted or ⅜", ½", ¾", 1" Hole | 10 |
| SPX1419D1 | Lock Ring | 50 |
| SPX1420A1 | Rubber Flow Director | 50 |



SP1421

## Cat. No. SP1039

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1039BA | Face Plate with Gasket (2) and Screws (4) | 25 |

## Cat. Nos. SP1423, 1424, 1425

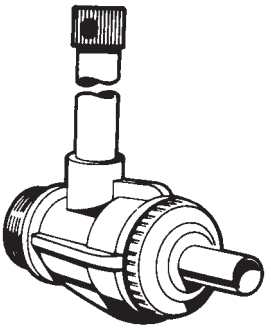
| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1425C | Face Plate Grate (SP1423, 1424) | 50 |
| SPX1425DA | Spinner Valve Assembly (SP1424, 1425) | 25 |
| SPX1425B | Top Diffuser Plate (SP1425) | 50 |
| SPX1425Z32 | Face Plate Screw (Set of 2) (SP1423, 1424, 1425) | 25 |
| SPX1425Z6 | O-Ring (SP1425) | 25 |



SP1425

# Hydrotherapy Fittings

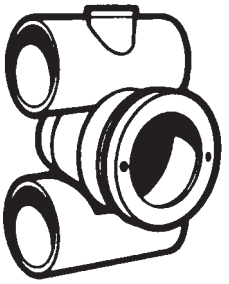
REPLACEMENT PARTS



SP14311, 2

## Cat. Nos. SP1430, 1431, 1432 Jet-Air® Fittings

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1430B | Small Nozzle (for SP1430) | 25 |
| SPX14311S | ½" x 18" Air Supply Tube (Complete) | 25 |
| SPX14312S | ½" x 24" Air Supply Tube (Complete) | 50 |
| SPX1430Z1A | Air Tube Adjustment Cap with Air Tube Bushing | 10 |
| SPX1430B1 | SPA Insert Bushing | 10 |



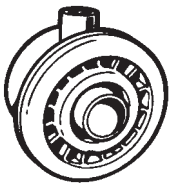
SP1434

## Cat. Nos. SP1434, 1436, 1437 Series Jet-Air III Fittings

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1434EA | Bulkhead Fitting with Gasket | 25 |
| SPX1434DF | Lock Ring – for Ball Assembly with Nozzle Retaining Clip | 100 |
| SPX1434JA | Seal Rings and O-Ring Kit | 100 |
| SPX0720PE2 | Seal Ring (Set of 2) | 150 |

## Cat. No. SP1450T Turbo Boost Spa Jet

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX1450BG | Bulkhead Fitting with Gasket | 25 |



SP1450T

## Cat. Nos. SP1440, 1444 Suction Fittings

| Part No. | Description | Ctn. Qty. |
|---|---|---|
| SPX0023Z12 | Gasket (Set of 2) | 20 |

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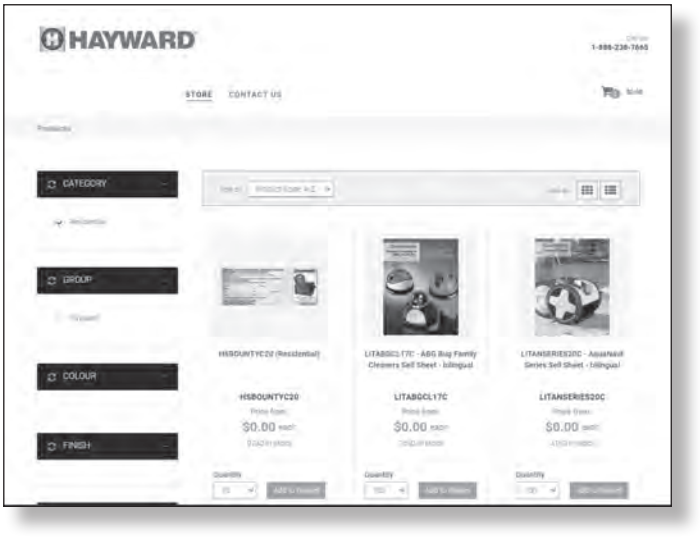
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# Notes

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