



POOL & SPA
PRODUCT CATALOG
2024
SOUTHEAST ASIA

www.pentair.asia

RULE THE POOL



***WITH OUR MOST
BRILLIANT POOL LIGHTING
INNOVATION YET.***

60% MORE
BRIGHTNESS

ARCHITECTURAL SERIES POOL AND SPA LIGHTING

Innovative, energy-efficient LED technology minimizes hot spots, stripes, glare and dark areas for an evenly lit pool to wow your customers.



DIVE INTO INTELLIBRITE

pentair.com/intellibritehub

*Compared to Pentair IntelliBrite 5G Color LED Pool Light in white color mode only. The IntelliBrite Architectural Series delivers higher lumen output depending on color mode, ranging from 28%-141% brighter, while energy efficiency improvements range from 17-58% based on color mode.

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PENTAIR EARNS 2023 ENERGY STAR® PARTNER OF THE YEAR—SUSTAINED EXCELLENCE AWARD

Pentair was first named an ENERGY STAR Partner of the Year in 2013, and has been recognized in each consecutive year—longer than any other manufacturer in the pool industry. Pentair was the first manufacturer of pool equipment to receive ENERGY STAR certification for its pool pumps and offered 17 ENERGY STAR certified pool pump models in 2022.

As an industry leader in pool and spa pumps, Pentair is an ENERGY STAR Partner of the Year for leadership in protecting the environment through superior energy efficiency achievements.

Pentair remains committed to delivering smart, sustainable water solutions, including innovative pool pumps that have earned the U.S. Environmental Protection Agency's (EPA) ENERGY STAR classification.



WHOLE GOODS DIRECTORY

EVERYTHING FROM A SINGLE SOURCE!

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†“Sanitizer” is an industry term of art and is not intended to imply any antimicrobial capabilities.

TRADEGRADE

Our TradeGrade Policy was established to provide an exceptional product ownership experience to pool owners by manufacturing equipment that performs to the high standards, protecting the integrity of the Pentair brand and to maintain a sustainable business model for you, our trade partners. For you, our TradeGrade policy ensures that you are getting the programs, policies and tools required to safeguard this positive pool owner experience and help you grow your business.

Visit www.pentair.com/tradegrade to learn more.

TERMS AND CONDITIONS

Ordering: To ensure prompt and proper shipment, please order by product number and description. Orders must be placed via Pentair Sales Representative. No telephone orders will be accepted. Products and prices are subject to change without notice.

Terms: All sales are cash with order until credit is established. Merchandise will be invoiced at the prices in effect at the time of shipment. Payment terms are CIA.

Returns: All returns are subject to our written approval and must be accompanied by "Return Goods Authorization" form or number issued by us prior to returning the material. Unauthorized returns will not be accepted. Freight must be prepaid. (On International Returns Freight must be prepaid (to the door) by the person or entity returning the goods. Customs Duties and Taxes are covered by Pentair and cleared by our appointed Customs Broker, Expeditors International). Do not request authorization to return material for credit which has been in your inventory over sixty (60) days and which is not in original resalable condition. Material authorized to be returned for credit is subject to a minimum 15% handling charge.

Shipments: All shipments are Ex Works from the Pentair Shipping Site (EXW for domestic orders, FCA for international), and are subject to product availability.

The following products must be purchased under a separate purchase order.

- Stark™, THS Series® Filters, Manifolds and Controllers
- Commercial Heaters 500,000 BTU and above
- Aurora®, XCP and Berkeley® Pumps, PS Series™ In-Line Strainers
- Paragon Deck Equipment
- AcuDrive™ XS Variable Frequency Drives
- AquaTRAM® - Access Lifts
- BioShield® UV and APEX Ozone
- RFF & RCFF, SDM, SR-V&S, PWT filters
- MEHP, UltraTemp HXi, VXi heat pumps
- PNR Chlorinator
- Suzhou Products

The Pentair Aquatic Systems "Parts Express Program" will remain in place. Call Customer Service for details.

Claims: All claims must be made within fifteen (15) days after receipt of merchandise. See "Lost or Damaged Goods" instructions below.

LOST OR DAMAGED GOODS

IMPORTANT: Our responsibility for any shipment ceases when the carrier signs the Bill of Lading. Thoroughly inspect each shipment immediately upon arrival.

If cartons, packages, or crates are received in short or damaged condition, it is important that you notify the driver and insist on a notation of the loss or damage across the face of the delivery receipt; otherwise, no claim can be enforced against the carrier.

If concealed loss or damage is discovered, you must notify the carrier at once and request an inspection. It is also important that you do not discard the shipping carton or container. A concealed damage report must be made within five (5) days of delivery of the

shipment. If this is not done, the carrier will not entertain any claim for the loss. The carrier agent will make an inspection and usually will grant a concealed damage notation. If you give the carrier a clear receipt for the goods that have been damaged in transit, you do so at your own risk and expense.

We are willing to assist you in every possible manner to collect claims for loss or damage, but our willingness does not make us responsible for collection of claims or replacement of material.

For Information Or Assistance Contact Pentair Sales Representative

PRODUCT WARRANTY

ALL PENTAIR PRODUCTS ARE ONLY GUARANTEED TO PERFORM.

In general none of the products made by Pentair Aquatic Systems ("Pentair") is a finished good meant to be sold directly to consumers. Pentair manufactures, distributes and sells components mainly meant to be part of larger equipment, which are sold to commercial partners (i.e. distributors/EPCs / OEMs). Exceptions to the above warranty conditions will be regulated by specific agreements.

ONE (1) YEAR WARRANTY

Pentair warrants certain products listed in the extended warranty section to be free from defects in material and/or workmanship for a period of one (1) year from the original date of installation on a single product if installed by a qualified installer.

If you have any warranty claim requests, please contact Pentair authorized distributors/ EPCs or Pentair sales representatives for more

DISCLAIMER

All content in this publication is based on information available at the time of printing. Pentair Pacific Rim (Water) Limited. reserves the right to make changes at any time, without prior notice, to product specifications, part numbers, pricing, warranty terms, and to discontinue product or product components.

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PENTAIR
POOL

AUTOMATIC POOL CLEANERS

AUTOMATIC POOL CLEANERS

PROWLER P10

ROBOTIC CLEANER



- Featured Highlights
- For pools up to 8m in length (12m cable)
 - Lightweight and easy to handle (5.75 kg)
 - Access to the filter from the top of the robot
 - Duration of the cleaning cycle: 1h30
 - Concentrated technologies: smart navigation, gyroscope, beach entry detection
 - Fast and optimal movement with unparalleled cleaning quality

Prowler Robotic Cleaners offer a superior level of pool cleaning by scrubbing and vacuuming all the way up to the waterline. They provide thorough cleaning coverage of your pool’s floor and walls thanks to high-speed rotary scrubbing action. PROWLER Robotic Cleaners are easy to use. Just plug the cleaner in and place into your pool. Cleaning of the filter basket is quick and easy! Powered independently by low-voltage electricity, robotic cleaners do not rely on your pool or booster pump, thus your energy costs are lower.

Ordering Information

Part Number	Description	Pool Size
PROWLER ROBOTIC CLEANER		
PROWLER-P10	Robotic in ground Pool Cleaner - Floor cleaning	Up to 30m² - length up to 8m



Simple basket
easy to clean with
a garden hose



PROWLER P20

ROBOTIC CLEANER

Featured Highlights

- For pools up to 12m in length (16m cable)
- Lightweight and easy to handle (5.75 kg)
- Access to the filters from the top of the robot (2 filter baskets for double filtration)
- Fast and optimal movement with unparalleled cleaning quality
- Concentrated technologies: smart navigation, gyroscope, beach entry detection
- Full filter indicator
- Remote control via its Bluetooth application
- 3 cleaning cycles: 1h30, 2h and 2h30



Prowler Robotic Cleaners offer a superior level of pool cleaning by scrubbing and vacuuming all the way up to the waterline. They provide thorough cleaning coverage of your pool's floor and walls thanks to high-speed rotary scrubbing action. PROWLER Robotic Cleaners are easy to use. Just plug the cleaner in and place into your pool. Cleaning of the filter basket is quick and easy! Powered independently by low-voltage electricity, robotic cleaners do not rely on your pool or booster pump, thus your energy costs are lower.

Ordering Information

Part Number	Description	Pool Size
PROWLER ROBOTIC CLEANER		
PROWLER-P20	Robotic in ground Pool Cleaner - Floor, wall and waterline cleaning	Up to 70m ² - length up to 12m



2 filter baskets
for double
filtration



Remote Control App



Remote
Control App



PROWLER P25

ROBOTIC CLEANER



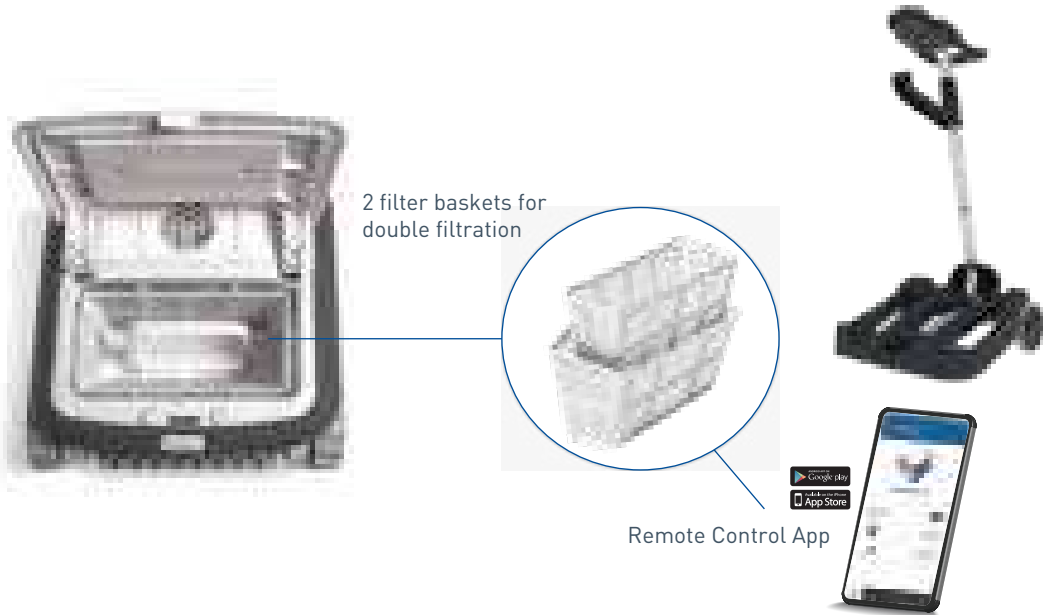
Featured Highlights

- For pools up to 14m in length (18m cable)
- Added Caddy
- Lightweight and easy to handle (5.75 kg)
- Access to the filters from the top of the robot (2 filter baskets for double filtration)
- Fast and optimal movement with unparalleled cleaning quality
- Concentrated technologies: smart navigation, gyroscope, beach entry detection
- Full filter indicator
- Remote control via its Bluetooth application
- 3 cleaning cycles: 1h30, 2h and 2h30

Prowler Robotic Cleaners offer a superior level of pool cleaning by scrubbing and vacuuming all the way up to the waterline. They provide thorough cleaning coverage of your pool’s floor and walls thanks to high-speed rotary scrubbing action. PROWLER Robotic Cleaners are easy to use. Just plug the cleaner in and place into your pool. Cleaning of the filter basket is quick and easy! Powered independently by low-voltage electricity, robotic cleaners do not rely on your pool or booster pump, thus your energy costs are lower.

Ordering Information

Part Number	Description	Pool Size
PROWLER ROBOTIC CLEANER		
PROWLER-P25	Robotic in ground Pool Cleaner - Floor, wall and waterline cleaning	Up to 80m2 - length up to 14m



PENTAIR RACER®

PRESSURE-SIDE INGROUND POOL CLEANER

Featured Highlights

- Access to the filters from the top of the robot (2 filter baskets for double filtration)
- Front rotating brush scrubs and scours for a deep and detailed clean
- Wide tires for steady traction
- Cleans continuously in forward and reverse modes for complete uninterrupted coverage
- Ultra-bright LED lights illuminate and enhance nighttime cleaning
- Quick and easy to use and maintain — innovative design makes servicing easy

Pentair Racer Pressure-Side Inground Pool Cleaner has nearly 1/3 more cleaning power and 40% larger intake than other pressureside cleaners. It is quick and simple to use — just attach the dedicated pressure line and it goes to work. It also has an adjustable flow gauge to regulate the Racer cleaner's speed for even greater control. The Night Cruise® LED Lights offer pool illumination for after-dark clean up. Racer has four venturis, a built-in rotating brush and large vacuum tube for more powerful cleaning.



Pentair Racer

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
PENTAIR RACER PRESSURE-SIDE CLEANER			
360228	Racer Pressure-Side Inground Pool Cleaner	1	22.5

PENTAIR RACER® LS

PRESSURE-SIDE INGROUND POOL CLEANER

Featured Highlights

- Quad-Jet Vacuum Technology —for jets create maximum vacuum power
- Large intake draws in dirt and debris of every size
- Four-wheel Steady-Grip Traction navigates all pool surfaces
- Cleans up to the waterline
- Debris bag is a snap to detach and empty

Pentair Racer LS is built for vacuum performance that provides maximum debris removal. Quadjet vacuum technology gives you more cleaning power for a brighter, cleaner pool.

TRADEGRADE



Pentair Racer LS

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
PENTAIR RACER LS PRESSURE-SIDE CLEANER			
360330	Racer LS Pressure-Side Inground Pool Cleaner	1	22.5

PENTAIR REBEL®

SUCTION-SIDE INGROUND POOL CLEANER

TRADEGRADE



Pentair Rebel

Pentair Rebel cleaner packs amazing performance into a compact, easy to use package. Its preprogrammed steering and two-wheel design allows the Rebel cleaner to access hard-to-reach corners where debris often hides. Plus, the engineering of its turbine and roller skirt assures thorough, uninterrupted cleaning that other cleaners simply cannot match. The Rebel cleaner's extra-efficient hydraulic design makes it ideal for use with variable-speed pumps at low speed. Installation is a snap—just set it and forget it.

Featured Highlights

- Programmed Cleaning Cycle assures complete, thorough pool cleaning coverage
- Sure Flow Turbine design provides clear passage for dirt and debris, avoiding the clogging that is common with other 2-wheel cleaners
- Dual-Action Roller Skirt allows Rebel to maneuver up and over obstacles for uninterrupted cleaning
- Advanced Hydraulic Technology makes it ideal for use with variable speed and two-speed pumps at lower speeds
- Cleaning performance in all pool types—gunite, vinyl, fiberglass and tile pools
- Easy to install and maintain

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
PENTAIR REBEL SUCTION-SIDE CLEANER			
360473	Rebel Automatic Pool Cleaner for Inground Pools	1	15

KREEPY KRAULY® PLATINUM™

PRESSURE-SIDE INGROUND POOL CLEANER



Kreepy Krauly Platinum

Kreepy Krauly Platinum cleaner is one rugged pressure-side cleaner. It's the ideal choice for inground pools exposed to higher loads of leaves and debris.

A great choice for pools in yards with lush landscaping and tougher cleaning challenges.

Featured Highlights

- Dual thrust jets provide maximum power for speed and suction so most pools are cleaned in just 1–3 hours
- Front-wheel drive and wide tires provide maximum traction on inclined surfaces to assure total pool wall and floor coverage
- Four wheel design prevents tipping (common with 3 wheel cleaners) for uninterrupted and unattended performance
- Large-capacity debris channel and huge intake throat easily pick up larger leaves and debris
- Suitable for concrete, vinyl-lined and fiberglass pools

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
KREEPY KRAULY PLATINUM PRESSURE-SIDE CLEANER (Without Pump) ¹			
LL505PM	Platinum Gray Top, White Bottom Cleaner for Lighter Colored Pools	1	23
LL505PMG	Platinum All Gray Cleaner for Darker Colored Pools	1	23

¹ The Platinum automatic pool cleaner comes ready to connect to a Booster Pump (P/N LA-MS05 and P/NLA01N) sold separately.

KREEPY KRAULY® LEGEND®

PRESSURE-SIDE INGROUND POOL CLEANER

Featured Highlights

- Front-wheel drive for maximum traction on inclined surfaces for total pool coverage
- Four wheel design prevents tipping (common with 3 wheel cleaners) for uninterrupted and unattended performance
- Large intake throat and high-capacity bag handle large debris with ease
- Heavy-duty, large-capacity twist lock collection bag for long periods between cleanings and ease of maintenance
- Available in Gray/White or all Gray
- Cleans most pools in just 1–3 hours

Kreepy Krauly Legend pressure-side cleaner features a highly efficient booster pump (sold separately) for optimum power and unimpeded surface skimming, plus a large intake throat to handle large and small debris.



Kreepy Krauly Legend

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
KREEPY KRAULY LEGEND (Without Pump)			
LL505G	Legend Cleaner ¹ - Gray Top, White Bottom Cleaner for lighter colored pools	1	22
LL505GG	Legend - All Gray Legend Cleaner for darker colored pools ¹	1	22

¹ The Legend automatic pool cleaner comes ready to connect to a Booster Pump (P/N LA-MS05 and P/NLA01N) sold separately.

KREEPY KRAULY® LEGEND® II

PRESSURE-SIDE INGROUND POOL CLEANER

Featured Highlights

- Front-wheel drive design assures maximum traction on inclined surfaces for total pool coverage
- Four wheel design prevents tipping (common with 3 wheel cleaners) for uninterrupted and unattended performance
- Dual thrust jets for maximum power, speed and performance
- Automatic back-up feature helps prevent hang-ups by steps and in corners to aid with uninterrupted and unattended performance
- Heavy-duty, large-capacity twist lock collection bag for long periods between cleanings and ease of maintenance
- Available in Gray/White or all Gray

Kreepy Krauly Legend II cleaner provides pressure-side power without the added energy consumption of a booster pump. That means fast, thorough cleaning and a lower cost to operate. Dual-jetted design powers water through unit to create powerful vacuum action.



Kreepy Krauly Legend II

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
KREEPY KRAULY LEGEND II PRESSURE-SIDE CLEANER			
LX5000G	Legend II - Gray Top, White Bottom Cleaner for lighter colored pools	1	20
LX5000GG	Legend II - All Gray Cleaner for Darker Colored Pools	1	20

PENTAIR DORADO®

SUCTION-SIDE INGROUND POOL CLEANER

TRADEGRADE



Pentair Dorado

Featured Highlights

- Bristle Drive Technology combines deep cleaning scrubbing action and powerful, oversized vacuum inlet
- SmartTrac Programmed Steering easily navigates around pool obstacles for uninterrupted cleaning
- Clean faster with 15 inch wide cleaning path
- No assembly required. Just hook to hose and go.

The Dorado suction-side cleaner delivers simple, powerful cleaning you can see and feel. Its unique, Bristle-Drive™ Technology combines with oversized vacuum inlet to scrub and devour tough dirt and debris from your pool's floor and walls, providing complete, trouble-free cleaning. The cleaner's 15-inch-wide bristle scrubbers cover more of your pool in a single pass for fast cleaning. And Dorado's SmartTrac™ Programmed Steering easily navigates around pool obstacles for uninterrupted vacuuming of large and small debris.

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs)
PENTAIR DORADO SUCTION-SIDE CLEANER			
360151	Dorado Automatic Pool Cleaner for Inground Pools	1	15

KREEPY KRAULY® GREAT WHITE®

FOR INGROUND SWIMMING POOLS



Kreepy Krauly Great White

Featured Highlights

- Bristle-drive dislodges tough dirt and debris for quick and thorough cleaning
- Programmed steering easily navigates around pool obstacles for uninterrupted cleaning
- Cuts a wide 15 in. path for quick cleaning
- Free Vac-Port door fitting for installation into dedicated vacuum line
- Adjustable regulator valve and free flow gauge let you set just the right cleaning speed to assure the most affective cleaning
- No assembly required. Just hook to hose and go.

Kreepy Krauly Great White cleaner scrubs and vacuums away the toughest dirt. Its bristledrive mechanism has the strength to knock loose the most stubborn dirt, while the powerful vacuum action whisks away small and large debris.

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs)
KREEPY KRAULY GREAT WHITE SUCTION-SIDE CLEANER			
GW9500	Great White Automatic Pool Cleaner for Inground Pools	1	15

KREEPY KRAULY®

SUCTION-SIDE INGROUND POOL CLEANER

Featured Highlights

- Rugged construction and ultra reliable service
- Dive float directional system helps guide cleaner throughout entire pool from the water line to the pool bottom for great cleaning coverage
- Automatic valve automatically regulates water flow to set the ideal travel speed for more thorough cleaning
- Roller strap maneuvers cleaner around steps and ladders for uninhibited cleaning
- Cleaner wings help channel leaves, dirt and debris directly into filtration system
- Original "one moving part" design for years of dependable service — no wheels or gears to replace

Trusted by over 3 million pool owners for decades, Kreepy Krauly cleaner's powerful suction relentlessly removes dirt and debris automatically. And with only one operational moving part, you can count on years of dependable service at an exceptionally low cost of operation. It's our tireless, reliable performer year after year.



Kreepy Krauly

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
KREEPY KRAULY SUCTION-SIDE CLEANER			
360040	Kreepy Krauly Concrete/Gunite Cleaner ONLY - (Flat Seal)	1	15
360042	Kreepy Krauly Inground Universal Cleaner - (Pleated Seal)	1	15
360046	Kreepy Krauly Builder Model Concrete/Gunite Only	1	15
360049	Kreepy Krauly International Inground Cleaner - (Pleated Seal)	1	15

KREEPY KRAULY®KRUISER™

AUTOMATIC INGROUND POOL CLEANER

Featured Highlights

- Extra-wide mouth to capture large and small debris with ease
- Includes specially engineered "fingers" to assure the unit won't get stuck or thrown off course by main drains, tight corners, eyeball fittings, and lights
- Built-in bumper assures free movement around steps and ladders for total cleaning coverage and uninterrupted, hands-free operation
- Installs in minutes without tools to skimmer

We took the best of our most popular suction-side cleaner in history, the Kreepy Krauly, and added performance features to make the Kreepy Krauly Kruiser. It's relentless in its ability to clean dirt and debris, while staying affordable and dependable.



Kreepy Krauly Kruiser

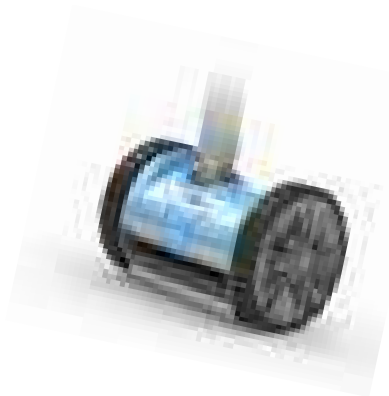
Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
KREEPY KRAULY KRUISER SUCTION-SIDE CLEANER			
K60430	Kreepy Krauly Kruiser Inground Pool Cleaner	1	17

PENTAIR 'LIL REBEL™

FOR ABOVEGROUND SWIMMING POOLS

TRADEGRADE



'Lil Rebel

Featured Highlights

- Programmed cleaning cycle
- Sure-Flow Turbine provides clear passage for dirt and debris
- Two-wheel maneuverability and coverage
- Dual-action roller skirt maneuvers up and around obstacles
- Compact footprint for tight corners and 90 degree angles

Pentair 'Lil Rebel Cleaner makes short work of leaves, sand and other hard to clean debris, reaching tight spaces that other cleaners miss. Installation is a snap—just set it and forget it. With a sleek, modern design, the 'Lil Rebel cleaner is a complement to any pool environment.

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
PENTAIR 'LIL REBEL CLEANER			
360450	'Lil Rebel Automatic Pool Cleaner for Aboveground Pools	1	15

KREEPY KRAULY® 'LIL SHARK™

FOR ABOVEGROUND SWIMMING POOLS



Kreepy Krauly 'Lil Shark

Featured Highlights

- Dual band of bristles scrub debris loose, while powerful vacuum action whisks it away
- Programmed cleaning provides more complete coverage without the missed spots other cleaners often leave behind
- Cuts a wide 10" path for quick and thorough cleaning
- Engineered for high performance cleaning with low cost of ownership

Dual band bristles scrub debris loose, while the powerful vacuum action whisks it away. 'Lil Shark comes fully equipped - simply remove it from the box, attach the hose, place in the water and off it goes.

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
KREEPY KRAULY 'LIL SHARK CLEANER			
360100	'Lil Shark Automatic Pool Cleaner for Aboveground Pools	1	15

KREEPY KRAULY® E-Z VAC®

SUCTION-SIDE ABOVEGROUND POOL CLEANER

Featured Highlights

- Hydraulic design for optimum vacuuming power
- Only one operational moving part—the flapper—for long, dependable service – no wheels or gears to replace or service
- Free skimming valve regulates water flow to assure proper cleaning speed and simultaneous skimming of surface debris while vacuuming
- Engineered to work flawlessly in flatbottomed and dish-shaped pools with a banked or radius cove

E-Z Vac cleaner was designed based on the same time-tested platform as the most popular suction-side cleaner in history, Kreepy Krauly cleaner. Includes 32 ft. of hose.



Kreepy Krauly E-Z Vac

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
KREEPY KRAULY E-Z VAC CLEANER			
K50600	E-Z Vac Pool Cleaner	3	49
K50607	E-Z Vac International Model Cleaner (Not available in the U.S.)	3	49

KREEPY KRAULY® SANDSHARK™

FOR INGROUND SWIMMING POOLS

Featured Highlights

- SmartTrac™ Programmed Steering assures complete cleaning coverage from the pool floor to the waterline, maneuvering the SandShark cleaner around corners, swim-outs and steps
- Two-way cleaning action - footpad design scrubs and dislodges debris from the pool surface while its powerful vacuum action whisks it away
- Wide body design allows the SandShark cleaner to cut a broad 12" cleaning path for fast cleaning

Kreepy Krauly SandShark foot pad features multiple rows of squeegee-like fins which easily dislodge stubborn dirt and debris. Cuts a 12 in. wide cleaning path and easily cleans gunite, fiberglass and vinyl surfaces in all types of inground pools.



Kreepy Krauly SandShark

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
KREEPY KRAULY SANDSHARK SUCTION-SIDE CLEANER			
GW7900	SandShark Automatic Pool Cleaner for Inground Pools	1	15
GW7900-BLD	SandShark Automatic Pool Cleaner for Inground Pools - Builder Model	1	15

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AUTOMATION



INTELLICENTER®

CONTROL SYSTEM FOR POOLS AND SPAS

TRADEGRADE


Featured Highlights

- Easy to program, with step-by-step, on screen instructions
- Color touchscreen interface displays intuitive instructions in clear text and rich colors
- Convenient control from inside and outside the home via outdoor and indoor control panels and wireless remotes
- Remote control from anywhere: Android® and iOS® device, Web browsers on Mac® and PC computers and voice command with Amazon Echo®

IntelliCenter is Pentair's highest-capacity and most service-friendly control system ever. Communication with this system can be done on a wide range of devices and platforms. Many important service, programming and monitoring tasks can be done without an on-location service call. Order popular bundled systems and receive everything in one box or build systems a la carte.

Ordering Information

Product	Country	Description	Includes IntelliChlor® Cell	Includes SCG Transformer	Includes Two (2) IntelliValves
BUNDLED SYSTEMS (COMMON LOAD AND PERSONALITY KIT)					
523448	USA	IntelliCenter System (Load Center with i5P Personality Kit)	No	No	No
521903	USA	IntelliCenter System (Load Center with i8PS Personality Kit)	Yes, IC40	Yes	Yes
521904	USA	IntelliCenter System (Load Center with i8PS Personality Kit)	No	No	Yes
521905	USA	IntelliCenter System (Load Center with i5P Personality Kit)	Yes, IC40	Yes	No
521906	USA	IntelliCenter System (Load Center with i5PS Personality Kit)	Yes, IC40	Yes	Yes
521907	USA	IntelliCenter System (Load Center with i5PS Personality Kit)	No	No	Yes
521908	USA	IntelliCenter System (Load Center with i10PS Personality Kit)	Yes, IC40	Yes	Yes
523125	Canada	IntelliCenter System (Load Center with 5P-C/Personality Kit)	No	Yes	No
523126	Canada	IntelliCenter System with 5PS-C	No	Yes	Yes
523127	Canada	IntelliCenter System with 8PS-C	No	Yes	Yes

Note: Each system includes an outdoor wireless antenna. Pool/spa systems above include two IntelliValve® Valve Actuators.

INTELLICENTER UPGRADE KITS FOR EASYTOUCH AND INTELLITOUCH CONTROL SYSTEMS		
522045	IntelliTouch/EasyTouch to Next Gen Upgrade Kit - i10P, for LC/PC	Systems manufactured prior to 2012 (2003 to 2012)
522046	IntelliTouch/EasyTouch to Next Gen Upgrade Kit - i10PS, for LC/PC	Systems manufactured prior to 2012 (2003 to 2012)
523218	IntelliTouch to Next Gen Upgrade Kit - i10D, for LC/PC (was 523048)	Systems manufactured prior to 2012 (2003 to 2012)
523530	IntelliTouch/EasyTouch to Next Gen Expansion Upgrade Kit LC/PC	Systems manufactured prior to 2012 (2003 to 2012)
522047	IntelliTouch/EasyTouch to Next Gen Upgrade Kit - i10P, for CLC/CPC	Systems manufactured after 2012
522048	IntelliTouch/EasyTouch to Next Gen Upgrade Kit - i10PS for CLC/CPC	Systems manufactured after 2012
523049	IntelliTouch to Next Gen Upgrade Kit - i10D, for CLC/CPC	Systems manufactured after 2012
523529	IntelliTouch/EasyTouch to Next Gen Expansion Upgrade Kit CLC/CPC	Systems manufactured after 2012

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INTELLICENTER® LITE SYSTEM

Featured Highlights

- Offers up to 5 relays
- Suitable for new pool installations or existing pools
- Breaker panel not always needed if there is an existing one
- Intuitive color touch screen makes it easy to set schedules
- Expandable to support additional relays and functionality with IntelliCenter daughter cards and expansion panels
- Optimal connection easily keeps optional devices connected and schedules intact
- Built-in WiFi connectivity and remote access capability via the mobile app for expanded control



IntelliCenter Lite options support five relays and each system includes a power center rather than a load center with breaker panels. These options should be used for IntelliCenter automation applications when a load center with a breaker panel is not needed.

Ordering Information

Product	Country	Description	Includes IntelliChlor® Cell	Includes SCG Transformer	Includes Two (2) IntelliValves
BUNDLED SYSTEMS (COMMON LOAD AND PERSONALITY KIT)					
523623	USA	IntelliCenter® Lite System (power center with i5PS personality kit)	No	No	No
523624	USA	IntelliCenter® Lite System With Standard Valve Actuators (power center with i5PS personality kit, Valve Control System and Compool Valve Actuator)	No	No	No
523625	USA	IntelliCenter® Lite System With IntelliValve Actuators (power center with i5PS personality kit and 2 IntelliValve Actuators)	No	No	Yes

INTELLICENTER®

CONTROL SYSTEM FOR POOLS AND SPAS

Ordering Information

AL A CARTE ORDERING

STEP 1: PICK YOUR LOAD AND POWER CENTER

Product	Description	IntelliChlor Transformer
LOAD AND POWER CENTERS		
522041	Load Center (with Salt Chlorine Generator support)	Included
522042	Power Center (with Salt Chlorine Generator support)	Included
522043	Load Center (without Salt Chlorine Generator support)	Not Included
522044	Power Center (without Salt Chlorine Generator support)	Not Included

STEP 2: PICK YOUR PERSONALITY KIT

Product	Description	Body of Water Style	Motherboard	Daughter Card	No. of Additional Relays**
INTELLICENTER PERSONALITY KITS					
521909	IntelliCenter Personality Kit i5P	Single	i5P	N/A	0
521910	IntelliCenter Personality Kit i8P	Single	i5P	i8P	3
521911	IntelliCenter Personality Kit i10P	Single	i5P	i10P	5
521912	IntelliCenter Personality Kit i5PS	Shared Equipment	i5P	i5PS	0
521913	IntelliCenter Personality Kit i8PS	Shared Equipment	i5P	i8PS	3
521914	IntelliCenter Personality Kit i10PS	Shared Equipment	i5P	i10PS	5
521915	IntelliCenter Personality Kit i10D	Dual Equipment	i5P	i10D	5
522033*	IntelliCenter i5X Expansion Kit	—	i5X	N/A	0
522034*	IntelliCenter i10X Expansion Kit	—	i5X	i10x	5

*Expansion kits use an i5X motherboard. i5P motherboards cannot be used in expansion panels.

** Load center comes with five (5) 3 HP relays.

STEP 3: PICK YOUR ACCESSORIES

Product	Description	Notes
LOAD AND POWER CENTERS /SPACOMMAND REMOTES		
522035	IntelliCenter Indoor Control Panel, White Faceplate	
523058	IntelliCenter Indoor Control Panel, Tan Faceplate	
523059	IntelliCenter Indoor Control Panel, Black Faceplate	
522036	IntelliCenter Wireless Remote with Transceiver	
522038Z	IntelliCenter Valve Expansion Module	Adds six actuator ports to system (on main load center).
522039Z	Pool Cover Interface Expansion Board	Supports two covers.
523434	900 MHz Wireless Ethernet Link	
523557	900 MHz Wireless Ethernet Link Kit	Includes PoE module and Ethernet cables.
544425	Cable POE/Ethernet High Power Wireless Bundle	900 MHz Wireless Cables
521176	SpaCommand Remote, Black with 150 ft. cable	
521177	SpaCommand Remote, Black with 250 ft. cable	
521178	SpaCommand Remote, White with 150 ft. cable	
521179	SpaCommand Remote, White with 250 ft. cable	
521180	Mudbox Accessory for recessing SpaCommand Remote into deck or tile. Includes cover plate and bezel.	
INTELLICENTER TRAINING AID		
523248	IntelliCenter Laptop Trainer	

SCREENLOGIC2® INTERFACE

FOR INTELLITOUCH® AND EASYTOUCH® AUTOMATION SYSTEMS

Featured Highlights

- Use an Android® and iOS® device, Web browsers on Mac® and PC computers to control pool functions from practically anywhere.
- Remotely manage using the ScreenLogic2 Interface Application
- Easily change, track and monitor history of pH and ORP levels when using IntelliChem® Chemical Control System with IntelliTouch or EasyTouch Automation
- ScreenLogic2 Interface app now allows full color lighting control for both IntelliBrite® LED Pool/Spa/Landscape Lights and MagicStream® Laminars
- All ScreenLogic2 Interface Kits come with a protocol adapter and ScreenLogic2 Interface PC program on CD

TRADEGRADE



Add a ScreenLogic2 Interface to Pentair automation systems and gain pool access from practically anywhere at any time using your Android® and iOS® device, Web browsers on Mac® and PC computers.

ScreenLogic2 Interface allows you to control the key functions of your pool and spa using the IntelliTouch and EasyTouch control systems, using controllers such as your Android® and iOS® device, Web browsers on Mac® and PC computers. The ScreenLogic Bundle conveniently includes the Protocol Adapter (520500) and the ScreenLogic Interface Wireless Connection Kit (523434).

Ordering Information

Product	Description	
SCREENLOGIC2 INTERFACE CONTROL SYSTEMS		
522104	ScreenLogic Bundle (includes 520500 and 523434)	
520500	Protocol Adapter Only	
520639	High Powered ScreenLogic Interface Wireless Connection Kit – Includes two radio transmitters that eliminate the need to run cable from the Load Center into the home where the protocol adapter and wireless router are located. This is for large properties where the standard 523434 does not work.	
523434	ScreenLogic Wireless Connect Kit	
523557	900 MHz Wireless Ethernet Link Kit	Includes PoE module and Ethernet cables.
544425	Cable POE/Ethernet High Power Wireless Bundle	900 MHz Wireless Cables

* All ScreenLogic2 Interface Kits come with a protocol adapter

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NOTE: THE PENTAIR SCREENLOGIC INTERFACE FOR MACINTOSH® DESKTOP COMPUTERS IS NOT COMPATIBLE WITH 64BIT SPEED MACINTOSH CATALINA OPERATING SYSTEM. CUSTOMERS WHO UPDATE THEIR MAC® DESKTOP COMPUTERS TO THE NEW CATALINA MACOS WILL NO LONGER BE ABLE TO USE SCREENLOGIC DESKTOP INTERFACE

SCREENLOGIC2® INTERFACE (CONT'D)

CONNECTION DIAGRAM

ScreenLogic2 Interface allows you to control the key functions of your pool and spa using the IntelliTouch and EasyTouch control systems, using controllers such as your Android® and iOS® device, Web browsers on Mac® and PC computers. The ScreenLogic Bundle conveniently includes the Protocol Adapter (520500) and the ScreenLogic Interface Wireless Connection Kit (523434).

ScreenLogic2 Interface is easy to setup. A wireless connection kit is provided to eliminate the need to run cable where impossible or impractical to do so.

Personal Computer - A PC or Laptop. Connects to a wireless router and the ScreenLogic2 Interface Protocol adapter for control of IntelliTouch and EasyTouch Automation pool/spa systems. Requires a PC/Laptop (Windows XP® or later) with Ethernet/RJ45 adapter installed.

Indoor Control Panel - This control panel for IntelliTouch and EasyTouch systems consists of a backlit LCD and connects into the Load Center for control of IntelliTouch or EasyTouch pool and spa systems.

MobileTouch® Wireless or EasyTouch Wireless Remote - This wireless control panel has a backlit LCD. Receives and transmits commands via the Transceiver antenna located at the Load Center.

Existing Wireless Router - Connects to the PC or Laptop via Ethernet connection.

Protocol Adapter - Connects to wireless router via Ethernet connection and to Personality board (Load/Power Center) via a four-wire 22-AWG cable or provided wireless connection kit.

IntelliTouch or EasyTouch Automation Load Center or Power Center - The main control center, located at the equipment pad controls pump, heater, and light relays. It receives commands via Protocol adapter, and wireless and wired control panels connected to the Personality board.

MobileTouch Wireless and EasyTouch Wireless Remote Transceiver Antenna - This antenna sends and receives commands to and from the MobileTouch Wireless control panel.

Windows XP® is a registered trademark of Microsoft Corporation.

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EASYTOUCH® CONTROL SYSTEMS

POOL/SPA CONTROL SYSTEMS

TRADEGRADE



Featured Highlights

EasyTouch Features include:

- UltraTemp® Heat Pump integration
- Supports 2 IntelliFlo® Pumps
- Supports 8 Feature circuits
- MagicStream® Laminar support
- IntelliChem® Controller support
- Works with ScreenLogic2® Interface
- IntelliBrite® Pool and Spa Light support
- SpaCommand® Spa-Side Remote support and control of IntelliFlo® Pump
- Optional Controllers for added convenience: Indoor Control Panel (for 4 or 8 circuit systems), a Wireless controller (for 4 or 8 circuit systems), a 4-button spa side remote, and SpaCommand spa-side remote.
- All functions controlled with easy, one-button access from the self-contained load center or optional controllers. No need to memorize operating sequences, open and close valves, or reset time clocks and thermostats.
- Built-in diagnostics include automatic verification of the display, microprocessor, switches, indicators, relay outputs, valve outputs, sensor inputs, and communication ports as well as a diagnostic screen that reports failures for troubleshooting and repair purposes
- Includes 150 amp breaker base with space for ten 1-inch breakers
- UL and cUL approved
- Dimensions: 26 in. H x 17 in. W x 5-1/4 in. D



EasyTouch System



520547 - EasyTouch wireless for 8 circuit systems



521885 - iS4 Remote Control

The EasyTouch Control System family offers control for homeowner's looking for an easy to use pool/spa control system. EasyTouch allows full control of all pool/spa features including advanced features such as colored lighting and IntelliChlor® Salt Chlorine Generator support. Every EasyTouch system includes an easy to use control panel that is built into the outdoor enclosure. This control panel allows for full system setup, programmability, and everyday operation. In addition, there are several other available remote interface choices. The EasyTouch systems come in a variety of configurations: Pool only or Spa only, Pool/Spa with shared equipment, and also integrated with Pentair IntelliChlor Salt Chlorine Generator.

Ordering Information

Product	Model
EASYTOUCH SYSTEMS WITHOUT INTELLICHLOR TRANSFORMER BUILT-IN	
520591	EasyTouch 4P - Single Body (base system - no ICP, no actuators)
520703	EasyTouch 8P - Single Body (base system - no ICP, no actuators)
EASYTOUCH SYSTEMS WITH INTELLICHLOR TRANSFORMER AND INTELLICHLOR CELL	
520592	EasyTouch 4PSC-IC20 - Single Body (includes SCG integration & IC20 cell)
520593	EasyTouch 4PSC-IC40 - Single Body (includes SCG integration & IC40 cell)
520704	EasyTouch 8PSC-IC20 - Single Body (includes SCG integration & IC20 cell)
520705	EasyTouch 8PSC-IC40 - Single Body (includes SCG integration & IC40 cell)
521150	EasyTouch 8SC-IC60 - Pool/Spa (includes SCG integration & IC60 cell, 2 actuators)
CANADIAN EASYTOUCH SYSTEMS	
520914	EasyTouch 4P-C - Single Body (salt ready system, cell must be ordered separately)
520915	EasyTouch 8-C - Pool/Spa (salt ready system, cell must be ordered separately)
520911	IntelliChlor IC20 cell for Canada
520912	IntelliChlor IC40 cell for Canada

EASYTOUCH® CONTROL SYSTEMS ACCESSORIES

POOL/SPA CONTROL SYSTEMS

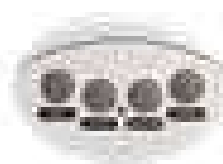
Product	Description	Product	Description
ACCESSORIES FOR EASYTOUCH SYSTEMS			
521485	IntelliValve® Valve Actuator	521885	iS4 Spa-side Remote, White 100 ft.
522104	ScreenLogic Bundle (includes 520500 and 523434)	AI101	Surge Suppressor for 115V transformer wiring
520500	Protocol Adapter Only	AI201	Surge Suppressor for 230V transformer wiring
523434	Wireless Connection Kit Complete, Antenna and Transceiver	520272	Air & Water Temperature Sensor (white)
520639	ScreenLogic High Power Wireless Link for large properties	522101	Solar Temperature Sensor (black)
520660	EasyTouch Laptop trainer	520198	Two-Speed 3HP Relay
520199	1000 ft. COM cable, four conductor, 22 AWG	263045	Valve Actuator
520106	3HP Relay for IntelliTouch or EasyTouch	520818	COM Port Expansion Module with 1 ft. cable
520548	EasyTouch ICP (Indoor Control Panel) for 4 circuit systems	RCS1	Additional Spa Jets Switch (for multiple jet pumps)
520549	EasyTouch ICP (Indoor Control Panel) for 8 circuit systems	ES03	Emergency Shut-Off Switch w/Audible Alarm
520546	EasyTouch Wireless Controller Kit for 4 circuit system, including transceiver	520967	Light Direct Connect Kit (eliminates need for j-box)
520547	EasyTouch Wireless Controller Kit for 8 circuit system, including transceiver	521178	SpaCommand Remote, White with 150 ft. cable
520588	IntelliChlor® Pass-through Cell for Winter or start-up	521176	SpaCommand Remote, Black with 150 ft. cable
520594	IntelliChlor Diagnostic Wand	521179	SpaCommand Remote, White with 250 ft. cable
520595	IntelliChlor replacement unions (contains 2 o-rings, 2 couplers, 2 nuts)	521177	SpaCommand Remote, Black with 250 ft. cable
520670	IntelliChlor acid washing kit (contains closed end union cap, o-ring, & coupling nut)	521180	SpaCommand Remote Mudbox Accessory
520734	IntelliChlor 15 foot extension power cord	521500	SpaCommand Replacement Plastics (black & white trim ring, mounting bracket, screws and O-ring)
520736	IntelliChlor Flow Switch replacement kit		



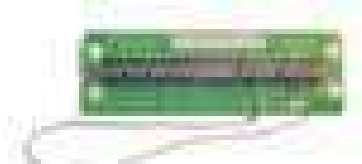
520554 - IntelliChlor IC20 Cell
 520555 - IntelliChlor IC40 Cell
 521105 - IntelliChlor IC60 Cell



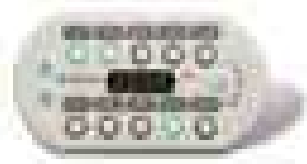
520548 - EasyTouch ICP for 4 circuit systems
 520549 - EasyTouch ICP for 8 circuit systems
 520546 - EasyTouch wireless for 4 circuit systems
 520547 - EasyTouch wireless for 8 circuit systems



521885 - iS4 Remote Control



520818 - COM Port Expansion Module



SpaCommand® Remote

TRADEGRADE

EASYTOUCH® PL4/PSL4 CONTROL SYSTEMS

ENTRY LEVEL POOL/SPA CONTROL SYSTEMS

Featured Highlights

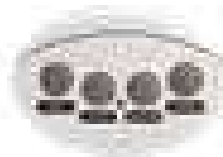
EasyTouch PL4/PSL4 Features include:

- Supports 1 IntelliFlo® Pump
- Supports 2 Feature circuits
- Supports 4 IntelliFlo Pump speeds
- Supports 4 scheduled programs
- Supports ScreenLogic2® Interface
- IntelliChem® Chemical Controller support
- IntelliChlor® support (must use optional 520556 power center)
- Supports IntelliBrite® Lights, MagicStream® Laminars and ColorVision® Bubblers

Note: EasyTouch PL4/PSL4 Systems use the power center enclosure that does not contain a breaker base.



522464 - EasyTouch PS4/PSL4 wireless for 4 circuit systems



521885 - iS4 Remote Control



EasyTouch PL4/PSL4 System

TRADEGRADE



The EasyTouch PL4/PSL4 Control Systems offers a new level of control for homeowner's looking for an affordable, easy to use pool/spa control system. EasyTouch PL4/PSL4 allows control pools with a smaller number of features including pumps, filters, lighting, water features, spa control, heaters and heat pumps, and chemical control. The EasyTouch PL4 control system is a 4-circuit system, designed for a single body of water. The EasyTouch PLS4 is designed to control a pool/spa combination. Both options are available bundled with our ScreenLogic Interface Kit that allows for remote operation on a computer, smartphone, mobile digital device or right at the Power Center on the equipment pad. For more advanced features and up to 8 feature circuits, please see previous page for the EasyTouch Control System options.

Ordering Information

Product	Model
EASYTOUCH PL4/PSL4 SYSTEMS	
522352	EasyTouch PL4 - Single Body (base system - no ICP, no actuators)
522353	EasyTouch PL4 - Single Body with ScreenLogic Wireless Bundle (base system - no ICP, no actuators)
522354	EasyTouch PSL4 - Pool/Spa (base system - no ICP, 2 actuators)
522355	EasyTouch PSL4 - Pool/Spa with ScreenLogic Wireless Bundle (base system - no ICP, 2 actuators)
ACCESSORIES	
522464	EasyTouch PL4/PSL4 Wireless Remote
522465	EasyTouch PL4/PSL4 Indoor Control Panel
522104	ScreenLogic Wireless Bundle
520639	ScreenLogic High Power Wireless Link for large properties

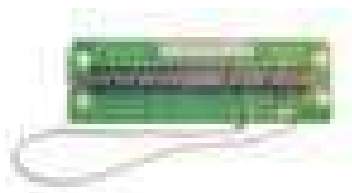
EASYTOUCH® PS4/PSL4 CONTROL SYSTEMS

ACCESSORIES

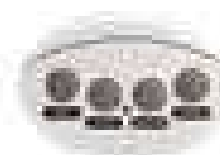
Product	Description	Product	Description
ACCESSORIES FOR EASYTOUCH PS4/PSL4 SYSTEMS			
521485	IntelliValve® Valve Actuator	520736	IntelliChlor Flow Switch Replacement Kit
522464	EasyTouch PL4/PSL4 Wireless Remote	521885	iS4 Spa-side Remote, White 100 ft.
522465	EasyTouch PL4/PSL4 Indoor Control Panel	AI101	Surge Suppressor for 115V transformer wiring
522104	ScreenLogic Bundle (includes 520500 and 523434)	AI201	Surge Suppressor for 230V transformer wiring
520500	Protocol Adapter Only	520272	Air & Water Temperature Sensor (white)
523434	Wireless Connection Kit Complete, antenna and transceiver	522101	Solar Temperature Sensor (black)
520199	1000 ft. COM cable, four conductor, 22 AWG	520198	Two-Speed 3HP Relay
520106	3HP Relay for IntelliTouch or EasyTouch	263045	Valve Actuator
520588	IntelliChlor Pass-through Cell for Winter or start-up	520818	COM Port Expansion Module with 1 ft. cable
520594	IntelliChlor Diagnostic Wand	RCS1	Additional Spa Jets Switch (for multiple jet pumps)
520595	IntelliChlor replacement unions (contains 2 o-rings, 2 couplers, 2 nuts)	ES03	Emergency Shut-Off Switch w/Audible Alarm
520670	IntelliChlor acid washing kit (contains closed end union cap, o-ring, & coupling nut)	520967	Light Direct Connect Kit (eliminates need for j-box)
520734	IntelliChlor 15 foot extension power cord		



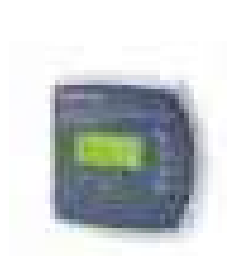
520556 - IC20,
IC40, IC60
Power Center



520818 - COM Port
Expansion Module



521885 - iS4 Remote Control



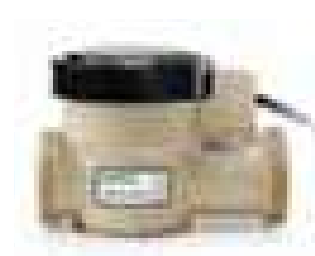
522465 - EasyTouch
PS4/PSL4 ICP for 4
circuit systems



522464 - EasyTouch
PS4/PSL4 wireless
for 4 circuit systems



520554 - IntelliChlor IC20 Cell
520555 - IntelliChlor IC40 Cell
521105 - IntelliChlor IC60 Cell

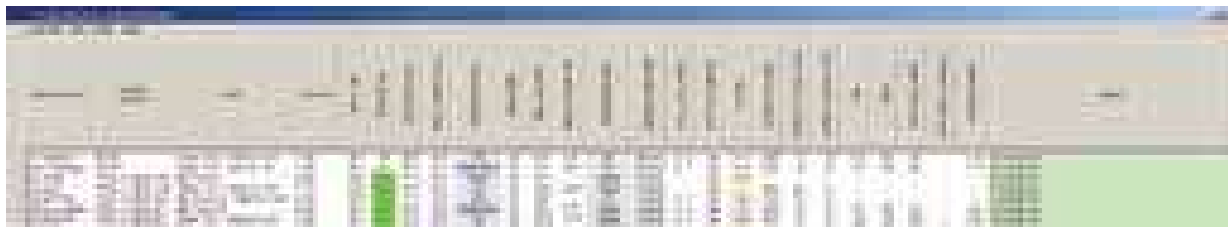


523009 - iChlor® 30 Cell Only
523010 - iChlor 15 Cell Only

REMOTE CONTROL AND MONITORING SOFTWARE

FOR THE SERVICE PRO

Working through the Internet, you can remotely monitor system and equipment conditions and diagnose problems. Log-in using the advanced ScreenLogic2® Interface to make system changes as needed. This option is ideal for any service professional, particularly those with large customer territories. Handle questions or concerns without a site visit and save time and fuel while providing top-notch customer service.



Computer screen photo shows complete system status for every customer with an IntelliTouch®, EasyTouch® or EasyTouch PL4 and PSL4 Control System. Conditions requiring attention are quickly identified and often corrected from the comfort of your office. Just point and click to turn equipment on and off, or change programs and schedules.

- **Works with EasyTouch® PL4/PSL4, EasyTouch® and IntelliTouch® Automation** – EasyTouch and IntelliTouch Automation support remote monitoring & control, while SunTouch System only supports remote monitoring.
- **Works with IntelliChem® Chemical Control System and IntelliChlor® Salt Chlorine Generator.**
- **Supports ScreenLogic2 Interface - for a complimentary copy, visit our website:**
www.pentair.com/poolsoftwaredownloads

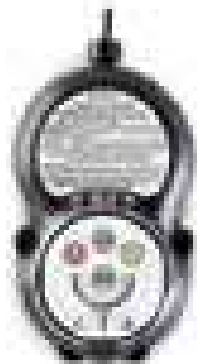
NOTE: THE PENTAIR SCREENLOGIC INTERFACE FOR MACINTOSH® DESKTOP COMPUTERS IS NOT COMPATIBLE WITH 64BIT SPEED MACINTOSH CATALINA OPERATING SYSTEM. CUSTOMERS WHO UPDATE THEIR MAC® DESKTOP COMPUTERS TO THE NEW CATALINA MACOS WILL NO LONGER BE ABLE TO USE SCREENLOGIC DESKTOP INTERFACE.

THIS CHANGE DOES NOT AFFECT IPHONE®, IPAD®, ALEXA® OR ANY OTHER SCREENLOGIC INTERFACES. ONLY MAC COMPUTER DESKTOPS WITH SCREENLOGIC WHO UPDATE TO THE NEW CATALINA OS.

INTELLIVALVE®

VALVE ACTUATOR

TRADEGRADE



IntelliValve
Valve Actuator

The IntelliValve Valve Actuator lets you set just the right flow for water features. Its intuitive controls and LED position indicator lights make operation fast and push-button easy. Thirteen (13) bright LEDs provide a clear visual indication of the valve position from fully open to fully closed and everywhere in between. Simply use the left/right and Save buttons to set the perfect flow rate in just seconds.

Featured Highlights

- Thirteen (13) LEDs give precise, easy-to-read indication of valve position
- Built-in interface allows quick and simple set-up of water flow
- Sleek, minimalist design is compact and fits easily within any equipment pad
- Sealed, maintenance-free design is weatherproofed for maximum reliability and extended service life
- Suitable for 1.5", 2", 2.5" and 3" valve sizes.
- 24-volt operation for use with standard automation systems, 750 mA max amp draw
- Adjustable 3.75-degree increments within the maximum 180-degree swing

Ordering Information

Product	Description
INTELLIVALVE	
521485	For any Pentair Automation System
	Compatible with control systems that use standard actuators

VALVE ACTUATOR

VALVE CONTROL SYSTEMS

TRADEGRADE

Featured Highlights

CVA24 Valve Actuator

- Helps Prevent dead-heading of pumps
- Corrosion-proof enclosure
- Service switch (for flow direction)
- ETL recognized
- UL listed for use with IntelliTouch® Automation
- Operates Compool, Ortega® or Jandy® Valves
- Compatible with all 24VAC Control Systems



Valve Actuator

Designed for use with 2-port and 3-port valves. Features maximum torque, 24VAC bi-directional motor.

Ordering Information

Product	Model	Voltage	Cable	Rotation	Compatibility	Motor
VALVE ACTUATOR						
263043	CVA24L	24 VAC	3-wire	90 deg.	2-port Compool/Ortega/Jandy Valves	Bi-directional
263044	CVA24Y	24 VAC	3-wire	120 deg.	3-port Compool PTV2Y Valve	Bi-directional
263045	CVA24T	24 VAC	3-wire	180 deg.	3-port Compool/Ortega/Jandy Valves	Bi-directional

Jandy® is a registered trademark of Jandy Industries, Inc.

GFCI CIRCUIT BREAKERS

Featured Highlights

- Personnel Protection GFCI
- Meets 2008 to current NEC Standards for Pool Pumps
- Compatible with IntelliTouch® and EasyTouch® Control System
- Designed to protect personnel exposed to ground faults in AC, DC, and mixed AC/DC systems where levels exceed 6 milliamps



GFCI Circuit Breakers

Ordering Information

Product	Description	Carton Qty.	Carton Wt (Lbs.)
GFCI CIRCUIT BREAKERS			
PA215GF	2-pole 15 amp GFCI	10	11.50
PA220GF	2-pole 20 amp GFCI	10	11.50

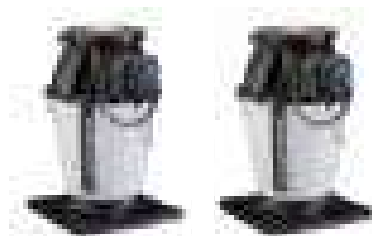
INTELLICHEM®

CHEMICAL CONTROLLER

TRADEGRADE



IntelliChem Chemical
Controller



Chemical Tanks with on
board pumps

IntelliChem Chemical Controller can work independently or in conjunction with other Pentair automation products. It's built-in Langelier Saturation Index calculator lets pool owners know when the water is in or out of balance. IntelliChem Chemical Controller uses the same technology found in commercial installations, water parks, hotel and community pools.

Featured Highlights

- Auto Setup/Configuration wizard makes start-up quick and easy
- Programmable chemical feed cycle and mix times for precise water balance
- Aids in safer water conditions by preventing excess chemical addition
- Built-in Langelier Saturation Index calculator lets you know when your water chemistry is perfectly in or out of balance
- Minimizes chemical costs by adding chemicals with precision
- Flow sensor ensures chemicals won't feed without system flow
- Password-protected access prevents tampering or accidental program change
- Seamless interface with IntelliTouch®, EasyTouch®, SunTouch® Automation Systems and ScreenLogic2® Interface for chemical management
- Compatible with IntelliChlor® Salt Chlorine Generators, external dosing pumps, and CO₂ systems

Ordering Information

Product	Description	Application
INTELLICHEM CHEMICAL CONTROLLER		
521357	Controller Only	For systems using external feed pumps, IntelliChlor, or CO ₂ . Containers ordered separately. The 521357 Controller is NSF Listed.
522621	Controller and Acid Tank with Tank Mounted Pump ^{1, 2}	For systems requiring a tank and pump for feeding liquid acid
522622	Controller and Acid and Chlorine Tanks with Tank Mounted Pumps ^{1, 2}	For systems requiring tanks and pumps for feeding liquid acid and chlorine
INTELLICHEM CHEMICAL CONTROLLER ACCESSORIES		
522472	Acid Tank with Tank Mounted Pump ^{1, 2}	Convenient and innovative container for storing and feeding liquid acid. No external pump required.
522473	Chlorine Tank with Tank Mounted Pump ^{1, 2}	Convenient and innovative container for storing and feeding liquid chlorine. No external pump required
521378	Acid Container ¹ without pump	Convenient and innovative container for storing muriatic acid (must provide separate external pump or can be upgraded with the new pump on tank PN 522474)
521397	Chlorine Container without pump	Convenient and innovative container for storing chlorine (must provide separate external pump or can be upgraded with the new pump on tank PN 522474)
522480	Stenner Blue Pump on Tank Tube ² Replacement (2/pk)	Replacement tubes for blue tank mounted pump
522474	Upgrade Kit for IntelliChem Container	Upgrade older non-pump containers (521378 & 521397) with the new tank mounted pump
522478Z	Upgrade Kit for IntelliChem Controller	Upgrade controller only systems to use the new tank mounted pumps
714000070	CO ₂ Kit w/Diffuser, Solenoid, Regulator	For systems using CO ₂ to lower pH levels.
521622	IntelliChem Winterizing Kit	Includes protective end caps and solution for storing pH and ORP probes in freezing climates
521498	IntelliChem Flash Programming Kit	Upgrade IntelliChem Chemical Controllers to the latest firmware for added functionality and climates

¹ Pentair always recommends 1:1 dilution when using full strength muriatic acid. When mixing, remember to always add acid to water.

² Pentair recommends replacing peristaltic pump tubes every 6 months. Note: Always try to position container off the equipment pad (if possible).



INTELLIPH® PH CONTROLLER

CHEMICAL CONTROLLER

Featured Highlights

- Helps protect your pool equipment from corrosion when pH swings in and out of balance
- Acid dispensing rate adjusts with the touch of a button
- Bolts securely to the equipment pad to help prevent poolside acid spills
- Powered by either IntelliChlor® Salt Chlorine Generator Power Center or EasyTouch® or IntelliTouch® Automation system with IntelliChlor Generator support for easy wiring and installation
- UL and cUL listed
- One-year limited warranty on electronics and metering pump
- New pump design allows for tool-less pump tube replacement

TRADEGRADE



IntelliPH Controller
Requires IntelliChlor Generator
Version 3 (2010 +)

IntelliPH Controllers is a convenient way to regulate a swimming pools pH level. It automatically dispenses muriatic acid into the pool to help eliminate fluctuations in the pH level. IntelliPH is the perfect companion for the IntelliChlor Salt Chlorine Generator and together they help balance pool water to keep it sparkling clear.

Ordering Information

Product	Description
INTELLIPH	
521377	IntelliPH controller with acid container ¹
522480	Stenner replacement head pump tubes 2-pk (replace annually)

¹ Pentair always recommends 1:1 dilution when using full strength muriatic acid. When mixing, remember to always add acid to water.

Note: Always try to position container off the equipment pad (if possible).

*Pentair recommends replacing peristaltic pump tubes every 6 months.



NOTES

This image shows a full page of blank, lined paper. It features approximately 28 horizontal blue or grey lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings on the page.



FILTERS

CLEAN & CLEAR® PLUS FILTERS

FIBERGLASS REINFORCED POLYPROPYLENE TANK

TRADEGRADE



Clean & Clear Plus Filter

Clean & Clear Plus Filters have a corrosion resistant injection molded filter tank featuring strength and reliability. The cartridge assembly uses four easy to clean, non-woven, polyester cartridges. Each filter is supplied with a bulkhead union set for easy installation.

Featured Highlights

- Certified to NSF/ANSI Standard 50
- Large filter area for increased dirt capacity
- 1-1/2 in., 100% drain clean-out port
- Continuous High Flow™ Internal Air Relief *
- Base and plumbing kits available
- Injection molded tank
- Balanced hydraulic flow
- Tension Control™ Clamp
- 100% factory tested
- Black bulkhead unions
- High Flow manual air relief valve

Ordering Information

Product	Model	Effective Filtration Area (Sq. Ft.)	Flow Rate ² (GPM Res)	Turnover Capacity (In Gallons)			Carton Qty.	Carton Wt. (Lbs.)
				8 Hour	10 Hour	12 Hour		
CLEAN & CLEAR PLUS FILTERS								
160310	CCP240 ¹	240	90	43,200	54,000	64,800	1	60
160340	CCP320 ¹	320	120	57,600	72,000	86,400	1	70
160301	CCP420 ¹	420	150	72,000	90,000	108,000	1	80
160332	CCP520 ¹	520	150	72,000	90,000	108,000	1	90
CLEAN & CLEAR PLUS REPLACEMENT CARTRIDGES								
179133	Model 240 Replacement Cartridges (4/pack)							
179134	Model 320 Replacement Cartridges (4/pack)							
179135	Model 420 Replacement Cartridges (4/pack)							
179136	Model 520 Replacement Cartridges (4/pack)							

Dimensions and Performance

Note: Actual system flow will depend on plumbing size and other system components.

Note: Pentair does not recommend flow rates above 150 GPM.

* Integrated continuous High Flow internal air relief is operational only when there is unobstructed flow in the circulating system.

Note: Operating Limits – maximum continual operating pressure of 50 PSI. Pool/spa (bather) applications, maximum operating water temperature (internal filter) 104°F (40°C).

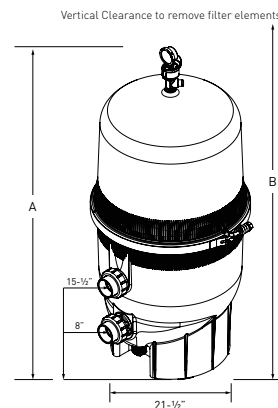
¹ Certified to NSF/ANSI Standard 50.

² Residential rate .375 GPM per sq. ft. of filter area.

**Certified to
NSF/ANSI Standard 50**

Dimension Table

Model	A Dim.	B Dim.
160310	37"	56"
160340	43"	62"
160301	49"	68"
160332	55"	74"



CLEAN & CLEAR® FILTERS

FIBERGLASS REINFORCED POLYPROPYLENE TANK

Featured Highlights

- Certified to NSF/ANSI Standard 50
- Unionized connections
- Integrated continuous High Flow™ Internal Air Relief *
- Chemical resistant tank body
- Lock ring with spring-loaded safety latches
- Coreless cartridge for easy cleaning
- High Flow manual air relief valve
- 1 in. drain and wash out
- Single piece base and body design

TRADEGRADE



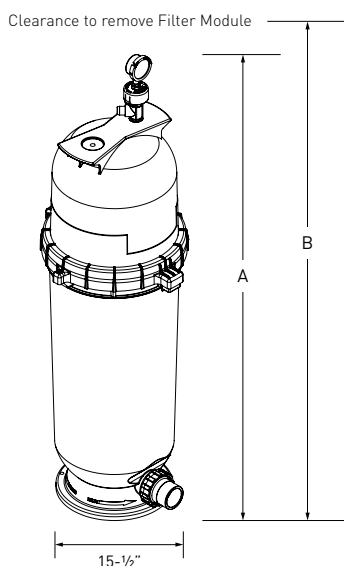
Clean & Clear
Filter

The Clean & Clear Filter features a chemical resistant tank with no-tool servicing and a coreless cartridge for easier cleaning. All models are equipped with easy spin-on unions for plumbing hook-ups. These filters are certified to NSF/ANSI Standard 50 and available in 50, 75, 100, 150, and 200 square foot sizes.

Ordering Information

Product	Model	Effective Filtration Area (Sq. Ft.)	Flow Rate ¹ (GPM Res)	Turnover Capacity (In Gallons)			Carton Qty.	Carton Wt. (Lbs.)
				8 Hour	10 Hour	12 Hour		
CLEAN & CLEAR FILTERS								
160314	CC 50	50	50	24,000	30,000	36,000	1	15
160315	CC 75	75	75	36,000	45,000	54,000	1	26
160316	CC 100	100	100	48,000	60,000	72,000	1	33
160317	CC 150	150	150	72,000	90,000	108,000	1	35
160318	CC 200	200	150	72,000	90,000	108,000	1	35

¹ One GPM per sq. ft. shown recommended flow rate .5 GPM per sq. ft.



**Certified to
NSF/ANSI Standard 50**

Model	A Dim.	B Dim.
160314	18"	30"
160315	25 1/2"	38"
160316	33"	61"
160317	40 1/2"	76"
160318	40 1/2"	78"

Dimensions and Performance

Note: Actual system flow will depend on plumbing size and other system components.

Note: Pentair does not recommend flow rates above 150 GPM.

* Integrated continuous High Flow internal air relief is operational only when there is unobstructed flow in the circulating system.

Note: Operating Limits – maximum continual operating pressure of 50 PSI. Pool/spa (bather) applications, maximum operating water temperature (internal filter) 104°F (40°C).

CLEAN & CLEAR® RP FILTERS

FIBERGLASS REINFORCED POLYPROPYLENE TANK

TRADEGRADE



Featured Highlights

- Cartridge is easy to remove and rinse
- Low-force, quick-connect diamond-seal fastens easily with no tools required
- Chemical resistant tank body
- High Flow™ Manual Air Relief valve and continuous internal air relief
- 1-1/2 in. drain and washout for quick and convenient maintenance and winterization
- Easy turn Lock-ring

Inside, the Clean & Clear RP has increased cartridge surface consistency to block and trap particles as small as 20 microns.

Ordering Information

Product	Model	Effective Filtration Area (Sq. Ft.)	Flow Rate ¹ (GPM Res)	Turnover Capacity (In Gallons)			Carton Qty.	Carton Wt. (Lbs.)
				8 Hour	10 Hour	12 Hour		
CLEAN & CLEAR RP FILTERS								
160354	CCRP 100	100	100	48,000	60,000	72,000	1	33
160355	CCRP 150	150	150	72,000	90,000	108,000	1	35
160353	CCRP 200	200	150	72,000	90,000	108,000	1	35

¹ One GPM per sq. ft. shown recommended flow rate .5 GPM per sq. ft.

Dimensions and Performance

Note: Actual system flow will depend on plumbing size and other system components.

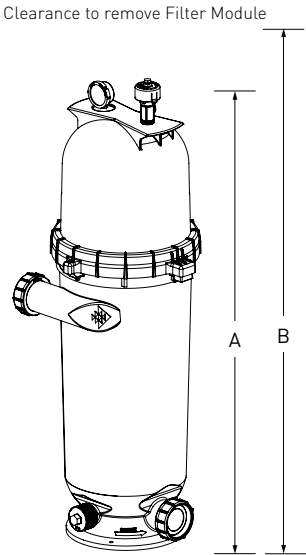
Note: Pentair does not recommend flow rates above 150 GPM.

* Integrated continuous High Flow internal air relief is operational only when there is unobstructed flow in the circulating system.

Note: Operating Limits - maximum continual operating pressure of 50 PSI. Pool/spa (bather) applications, maximum operating water temperature (internal filter) 104°F (40°C).

Certified to
NSF/ANSI Standard 50

Clean & Clear RP		
Model	A Dim	B Dim
160354	33"	61"
160355	40.5"	76"
160353	40.5"	76"

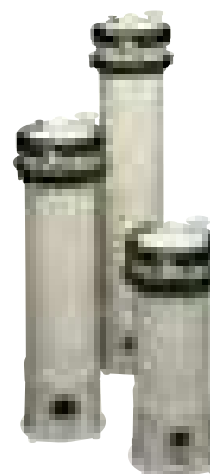


DYNAMIC® FILTER SERIES

FOR SPAS, HOT TUBS AND SWIMMING POOLS

Featured Highlights

- Free standing base optional on all but DSC models
- All cartridges are manufactured of the finest quality filter media



Dynamic Filter Series

The Dynamic Filter Series line includes in-line, top load, flange lily pad and safety skim filters with automatic chemical dispensers and a host of features created for the leading spa manufacturers throughout the country.

Ordering Information

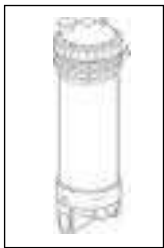
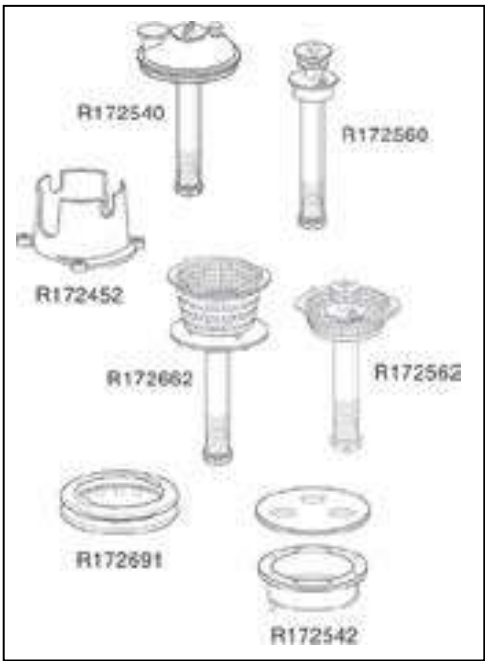
Product	Model	Description	Effective Filtration Area (Sq. Ft.)	Max GPM	Plumbing Size	Filter Dimensions		Carton Qty.	Carton Wt. (Lbs.)
						Height	Diameter		
DYNAMIC FILTER SERIES II TOP LOAD 2 in. HIGH FLOW FILTERS									
R172502J	RTL 25	Slip, 3 oz. cartridge	25	100	2 in. socket	18 in.	8-1/4 in.	4	27
R172503	RTL 75	Slip, 3 oz. cartridge	75	100	2 in. socket	25 in.	8-1/4 in.	4	30
R172504B	RTL 50	Slip, 3 oz. cartridge	50	100	2 in. socket	18 in.	8-1/4 in.	4	28
R172505	RTL 100	Slip, 3 oz. cartridge	100	100	2 in. socket	31-1/2 in.	8-1/4 in.	4	32
DYNAMIC FILTER SERIES III TOP LOAD 2 in. HIGH FLOW FILTERS WITH CHLORINE/BROMINE DISPENSERS									
R172523	RCF 25	Slip, 3 oz. cartridge	25	100	2 in. socket	18 in.	8-1/4 in.	4	28
R172535	RCF 50	Slip, 3 oz. cartridge	50	100	2 in. socket	18 in.	8-1/4 in.	4	30
R172503C	RCF 75	Slip, 3 oz. cartridge	75	100	2 in. socket	25 in.	8-1/4 in.	4	32
R172505C	RCF 100	Slip, 3 oz. cartridge	100	100	2 in. socket	31-1/2 in.	8-1/4 in.	4	34
DYNAMIC FILTER SERIES IV FLOATING LILY PAD WEIR FILTERS¹									
R172545	DFM 50	Low profile (no weir) short basket	50	100	2 in. socket	17-1/2 in.	8-1/2 in.	4	26
R172664	DFML 25	Lily pad weir, lock ring mount	25	100	2 in. socket	19-3/8 in.	8-1/2 in.	4	27
R172666	DFML 25C	Compact, (not available with dispenser)	25	100	2 in. socket	12-7/8 in.	8-1/2 in.	4	22
R172668	DFML 25	With chlorine/bromine dispenser	25	100	2 in. socket	19-3/8 in.	8-1/2 in.	4	28
R172670	DFML 35	Lily pad weir, lock ring mount	35	100	2 in. socket	15-1/2 in.	8-1/2 in.	4	24
R172674	DFML 50	Lily pad weir, lock ring mount	50	100	2 in. socket	19-3/8 in.	8-1/2 in.	4	28
SAFETY FACE PLATE KIT¹									
R172555WH		Safety face plate kit, white						4	5

DYNAMIC® FILTER SERIES (CONT'D)

FOR SPAS, HOT TUBS AND SWIMMING POOLS

ACCESSORIES FOR DYNAMIC FILTER SERIES II, III, IV, V		
R172452	Free standing base for Dynamic Filter Series II and III	Bulk
R172540	Chlorine/Bromine Dispenser for Dynamic Filter Series II and III	Bulk
R172560	Chlorine/Bromine Dispenser for Dynamic Filter Series IV Skim	Bulk
R172562	Chlorine/Bromine Dispenser w/ basket for DFM 50	Bulk
R172662	Chlorine/Bromine Dispenser w/ basket for DFML 25, 35, 50	Bulk

¹ All available in white. For sterling silver top add "SS" to order number. For dark grey add "DG."



RLT-25



RCF-25



DMFL-25

FREEFLO CARTRIDGE FILTER

HIGH PERFORMANCE CARTRIDGE FILTER

Featured Highlights

- Built from highly durable UV resistant plastics.
- Lid and locking ring have large handles for easy grip.
- Small dimensions, can be installed in narrow locations. Ideal replacement when space is an issue
- Low water consumption
- 2 inlet ports and 2 outlet ports, 90 degrees opposed allows fitting to any plumbing configuration.
- 40mm and 50mm barrel unions included.
- Stainless steel, oil-filled, pressure gauge.
- Internal bypass valve prevents exceedingly high pressures.



The FreeFlo Cartridge filter combines top-end filter performance with with low maintenance and price. This dependable design uses special filter elements to strip tiny particles from your pool water... particles as small as 15 microns. (An average grain of beach sand is 1,000 microns!) Plus, cleaning is so easy. Open the top, remove the cartridge, hose it off and the FreeFlo filter is ready to go again.

Ordering Information

Model	Product	Effective Filtration Area (ft ² /m ²)	Max Flow Rate (LPM)	Carton Dimensions (mm)	Carton Wt. (kg)	Pallet Qty.
FREEFLO FILTERS						
FFCF-075	FreeFlo Cartridge Filter 75 sq ft	75 / 7	280	320x320x900	10.2	12
FFCF-100	FreeFlo Cartridge Filter 100 sq ft	100 / 9.3	380	320x320x900	11.8	9
FFCF-150	FreeFlo Cartridge Filter 150 sq ft	150 / 13.9	550	320x320x1100	13.4	9
FFCF-200	FreeFlo Cartridge Filter 200 sq ft	200 / 18.6	680	320x320x1300	15.7	9

Replacement Cartridges

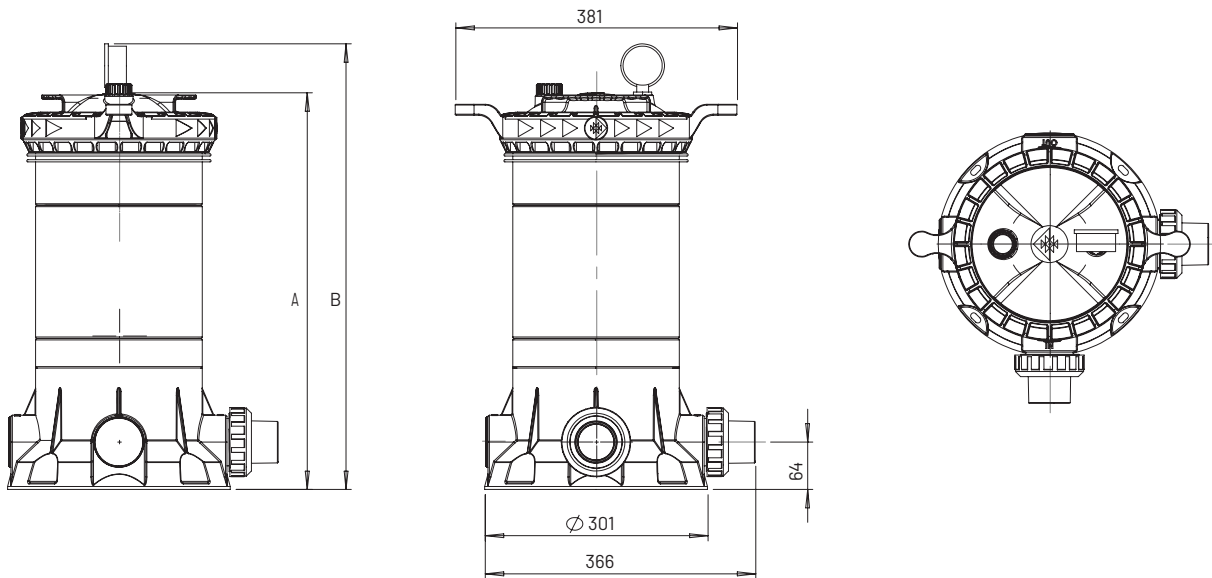
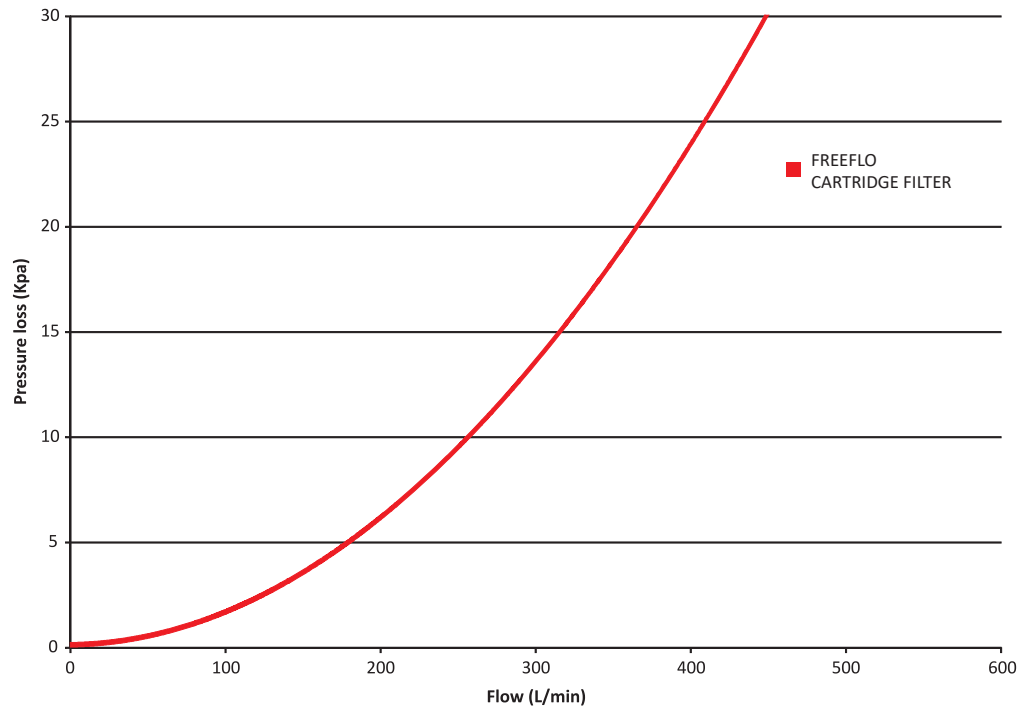
Product	Description	Carton Dim(mm).	Carton Wt. (kg)	Ctn Qty.
ACCESSORIES FOR FREEFLO FILTERS				
800750	Replacement Cartridge FFCF 75 sq ft	185x185x545	3.2	1
800760	Replacement Cartridge FFCF 100 sq ft	185x185x545	4.8	1
800761	Replacement Cartridge FFCF 150 sq ft	185x185x725	6.4	1
800762	Replacement Cartridge FFCF 200 sq ft	185x185x905	7.7	1

Note: Operating Limits – maximum continual operating pressure of 250kPa. Pool/spa (bather) applications, maximum operating water temperature (internal filter) 40°C.

FREEFLO CARTRIDGE FILTER

HIGH PERFORMANCE CARTRIDGE FILTER

Dimensions and Performance



Filter Model	FFCF-075	FFCF-100	FFCF-150	FFCF-200
A (mm)	715	715	895	1075
B (mm)	782	782	962	1142

*All dimensions in mm.

SYSTEM:3® MODULAR MEDIA FILTERS

SM SERIES FILTERS



TRADEGRADE



Featured Highlights

- Typical Installation – Inground pools, inground hot tubs, and water features
- Quality Construction – Durable two-piece tank housing constructed of Dura-Glas™, Sta-Rite's industry leading glass reinforced composite resin
- Innovative Design – The innovative balanced flow design first introduced with the System 3 Mod Media is still the standard of the industry
- Low Maintenance – Complete media coverage combined with shallow pleats means greater dirt holding capabilities, resulting in longer filter cycles and less cleaning
- Quick Service – The shallow pleat design allows you to simply hose off the elements in a matter of minutes, making servicing a snap
- Dual Drain Plugs – Side plug available for plumbing to waste, while the bottom plug will drain entire filter



System:3 Modular Media Filter
SM Series

With the System:3 Modular Media Filter, Sta-Rite brings you the product that makes Ultra-Capacity Filtration™ a reality. No longer simply "cartridges", Sta-Rite's modular media concept incorporates balanced flow, and an integral manifold design. This filtration concept aids in care-free operation within reach of today's pool owners. Modular Filter Tanks allows for quick change of filter medias without changing the tank. Contemporary style and matte black finish looks attractive in any pool setting.

Ordering Information

Product	Effective Filter Area (Sq. Ft.)	Flow Rated ¹ GPM (Sq. Ft.)	Turnover Capacity (In Gallons) (Flow Rate x 60 x Hours)			Tank Port Size	Carton Wt. (Lbs.)
			6 Hour	8 Hour	10 Hour		
			SYSTEM :3 MODULAR MEDIA FILTER - SM SERIES				
S7M120	300	50-100	18-36,000	24-48,000	30-60,000	2 in.	120
S7M400 ¹	400	50-115	18-41,000	24-55,000	30-69,000	2 in.	125
S8M150 ¹	450	50-124	18-45,000	24-60,000	30-74,000	2 in.	147
S8M500 ¹	500	50-130	18-46,000	24-62,400	30-78,000	2 in.	150

¹ Based on NSF rated flow range of .333 GPM per square foot for the S7M120.

.288 GPM per square foot for the S7M400, .275 GPM for the S8M150 and .26 GPM per square foot for the S8M500.

Note: No backwash valve required.

Note: Operating Limits – maximum continual operating pressure of 50 PSI. Pool/spa (bather) applications, maximum operating water \ temperature (internal filter) 104°F (40°C).

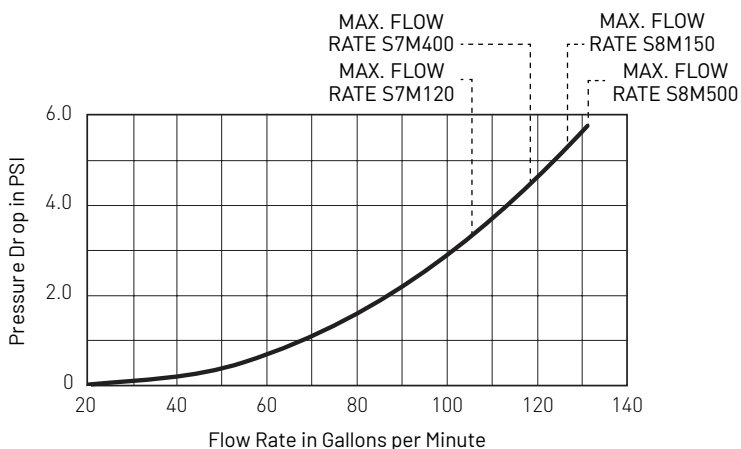
SYSTEM:3® MODULAR MEDIA FILTERS (CONT'D)

SM SERIES FILTERS

Ordering Information

Product	Description	Carton Wt. (Lbs.)
ACCESSORIES FOR SYSTEM :3 MODULAR MEDIA FILTER - SM SERIES		
PKG 188Z	Union x 2 in. Slip Adapter - Pkg. of 2	1
PKG 189	Union x 2 in. FPT Adapter - Pkg. of 2	1
77703-0100	Union x 1-1/2 in. FPT Adapter - Pkg. of 2	1
77703-0101	Union x 1-1/2 in. Slip Adapter - Pkg. of 2	1
25021-0200S	100 sq. ft. Inner Replacement Module for S7M120	9
25022-0201S	200 sq. ft. Outer Replacement Module for S7M120	21
25021-0223S	136 sq. ft. Inner Replacement Module for S7M400	11
25022-0224S	264 sq. ft. Outer Replacement Module for S7M400	24
25021-0202S	191 sq. ft. Inner Replacement Module for S8M150	18
25022-0203S	259 sq. ft. Outer Replacement Module for S8M150	27
25021-0224S	209 sq. ft. Inner Replacement Module for S8M500	19
25022-0225S	291 sq. ft. Outer Replacement Module for S8M500	28
25021-0021	Modular Media Conversion Kit - S7M120/S7M400 (Order Modules Separately)	4
25021-0025	Modular Media Conversion Kit - S8M150/S8M500 (Order Modules Separately)	5
170145	S7M120 Inner & Outer Replacement Cartridge Pack	35
170146	S7M400 Inner & Outer Replacement Cartridge Pack	35
170147	S8M150 Inner & Outer Replacement Cartridge Pack	50
170148	S8M500 Inner & Outer Replacement Cartridge Pack	50

Dimensions and Performance



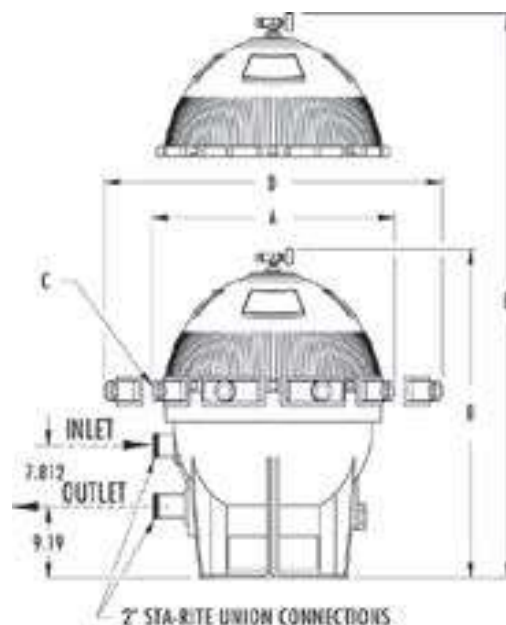
DIMENSION

Catalog Number	A	B	C	D	E
S7M120/S7M400	28-1/2	42	7	36	50
S8M150/S8M500	32-1/2	42-1/4	8	40	50

- A = width
- B = height
- C = number of clamps
- D = area (width) needed to take off clamps
- E = area (height) needed to remove top half of tank

All dimensions shown in inches.

**Certified to
NSF/ANSI Standard 50**



SYSTEM : 2™ MODULAR MEDIA FILTERS

PLM SERIES FILTERS



TRADEGRADE

Featured Highlights

- Free standing base optional on all but DSC models
- Typical Installation – aboveground pools, inground pools, and inground hot tubs
- Quality Construction – Durable two-piece tank housing constructed of rugged ABS thermoplastic to ensure a longlasting tank life
- Easy Access – Posi-Ring Locking Ring provides fast access to tank internals
- Innovative Design – The innovative balanced flow design first introduced with the System 3 Mod Media filter is now available in the smaller System:2 filter, helps with a maintenance-free operation for pools of all sizes
- Low Maintenance – Complete media coverage combined with shallow pleats means greater dirt holding capabilities, resulting in longer filter cycles and less cleaning
- Large Drain Plug – Filter includes 2 in. NPT Drain ports, which are provided with reducer bushing and 1-1/2 in.



System:2 Modular Media Filters
PLM Series

Sta-Rite's modular media filtration is the perfect match for both the inground and aboveground pool markets. Advances in media technology and balanced flow design provide dirt-loading capabilities up to 15 times greater than sand filters of equivalent size. Helps with a maintenance-free operation for today's pool owner. The small diameter footprint makes the System:2 filter a perfect fit for new and retrofit installations. Modular Filter Tanks allows for quick change of filter medias without changing the tank. Contemporary style and matte black finish looks attractive in any pool setting.

Ordering Information

Product	Effective Filter Area (Sq. Ft.)	Flow Rated ¹ GPM (Sq. Ft.)	Turnover Capacity (In Gallons) <u>(Flow Rate x 60 x Hours)</u>			Tank Port Size	Carton Wt. (Lbs.)
			6 Hour	8 Hour	10 Hour		
			SYSTEM:2 MODULAR MEDIA FILTER - PLM SERIES				
PLM100	100	38-100	14-36,000	18-48,000	23-60,000	2 in.	41
PLM125	125	47-125	17-45,000	22-60,000	28-75,000	2 in.	42
PLM150	150	56-150	20-54,000	27-72,000	34-90,000	2 in.	43
PLM175	175	66-150	24-54,000	31-72,000	39-90,000	2 in.	44
PLM200	200	75-150	27-54,000	36-72,000	45-90,000	2 in.	45
PLM300	300	113-150	41-54,000	54-72,000	68-90,000	2 in.	53

¹ Based on NSF recommended flow rate for commercial at .375 GPM per square foot.

Note: No backwash valve required.

Note: Operating Limits – maximum continual operating pressure of 50 PSI.
Pool/spa (bather) applications, maximum operating water temperature (internal filter) 104°F (40°C).

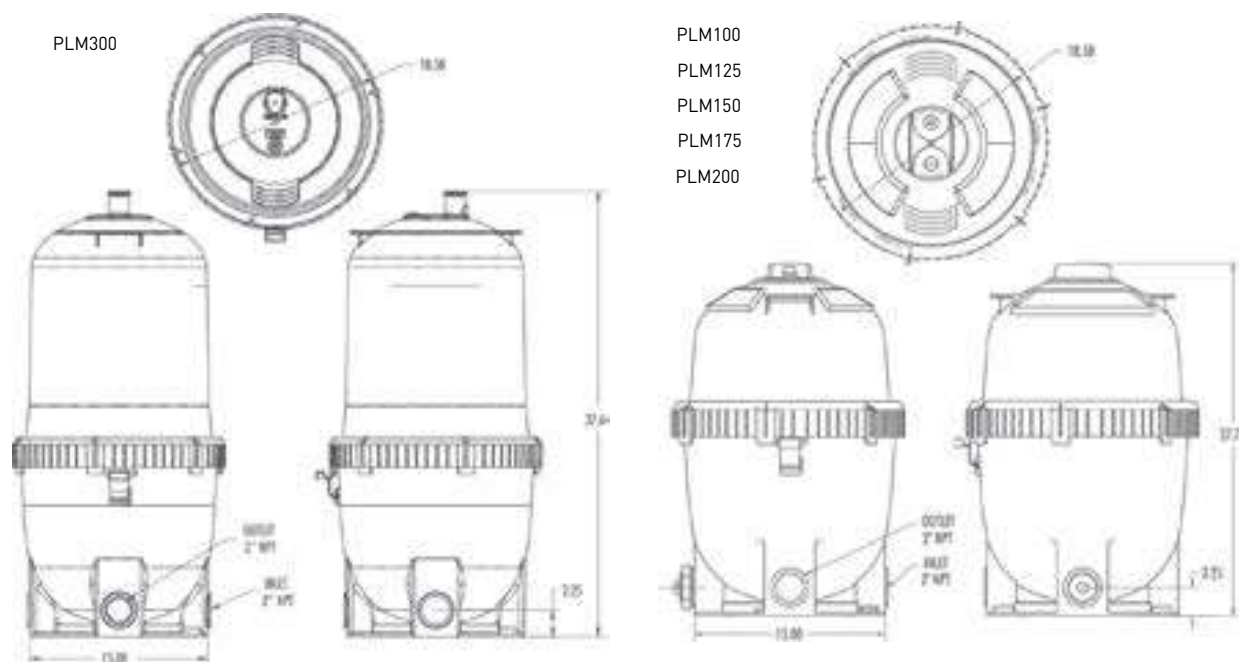
SYSTEM : 2™ MODULAR MEDIA FILTERS (CONT'D)

PLM SERIES FILTERS

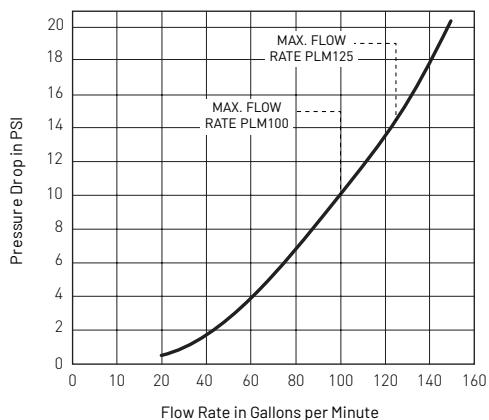
Ordering Information

Product	Description	Carton Wt. (Lbs.)
ACCESSORIES FOR SYSTEM:2 MODULAR MEDIA FILTER - PLM SERIES		
27002-0100S	100 Sq. Ft. Replacement Module for PLM100	11
27002-0125S	125 Sq. Ft. Replacement Module for PLM125	11.5
27002-0150S	150 Sq. Ft. Replacement Module for PLM150	12
27002-0175S	175 Sq. Ft. Replacement Module for PLM175	13
27002-0200S	200 Sq. Ft. Replacement Module for PLM200	14
27002-0300S	300 Sq. Ft. Replacement Module for PLM 300	19
U78-820P	2 in. x 1-1/2 in. Pipe Reducer Bushing	8 oz.
27001-0130S	Spring Check Valve	1

Dimensions and Performance



All dimensions shown in inches.



PLM100,
PLM125,
PLM150,
PLM175,
PLM200,
PLM300

**Certified to
NSF/ANSI Standard 50**

POSI-CLEAR™ RP FILTERS FIBERGLASS REINFORCED POLYPROPYLENE TANK

Featured Highlights

- Certified to NSF/ANSI Standard 50
- Unionized connections
- Integrated continuous High Flow™ Internal Air Relief *
- Chemical resistant tank body
- Lock ring with spring-loaded safety latches
- Coreless cartridge for easy cleaning
- High Flow Manual Air Relief valve
- 1 in. drain and wash out
- Single piece base and body design

Posi-Clear RP Filter

Inlet



Outlet

The Posi-Clear RP Filter features a chemical resistant tank with no-tool servicing and a coreless cartridge for easier cleaning. All models are equipped with easy spin-on unions for plumbing hook-ups. These filters are certified to NSF/ANSI Standard 50 and available in 100, 150, and 200 square foot sizes.

Ordering Information

Product	Model	Effective Filtration Area (Sq. Ft.)	Flow Rate ¹ (GPM Res)	Turnover Capacity (In Gallons)			Carton Qty.	Carton Wt. (Lbs.)
				8 Hour	10 Hour	12 Hour		
POSI-CLEAR RP FILTERS								
160351	PXCRP100	100	100	48,000	60,000	72,000	1	33
160352	PXCRP150	150	150	72,000	90,000	108,000	1	35
160350	PXCRP200	200	150	72,000	90,000	108,000	1	35

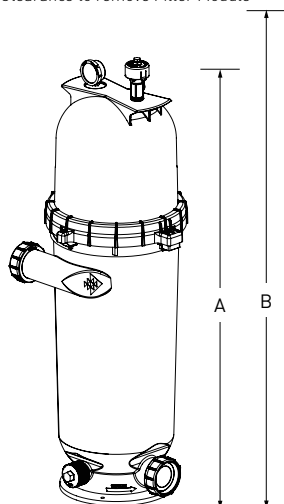
¹ One GPM per sq. ft. shown recommended flow rate .5 GPM per sq. ft.

Dimensions and Performance

**Certified to
NSF/ANSI Standard 50**

Posi-Clear RP		
Model	A Dim	B Dim
160351	33"	51"
160352	40.5"	76"
160350	40.5"	76"

Clearance to remove Filter Module



Note: Actual system flow will depend on plumbing size and other system components.

Note: Pentair does not recommend flow rates above 150 GPM.

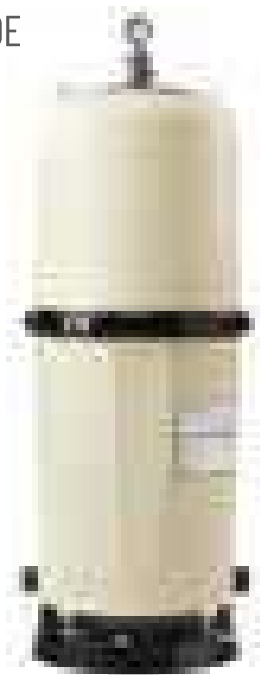
* Integrated continuous High Flow internal air relief is operational only when there is unobstructed flow in the circulating system.

Note: Operating Limits - maximum continual operating pressure of 50 PSI. Pool/spa (bather) applications, maximum operating water temperature (internal filter) 104°F (40°C).

FULLFLOXF®

HIGH EFFICIENCY FILTERS

TRADEGRADE



FV-Series Grid Style D.E. Filter

Featured Highlights

- Superior filtration reduces tiny particles for a sparkling pool experience.
- Enhanced design and balanced flow enable 25% greater energy efficiency and lower operating cost.*
- Ideal for large and premium pools, longer filtration cycles extend periods between cleanings.
- Chemical-resistant, fiberglass tanks are designed for exceptional strength and durability.
- 2.5 inch internal plumbing.

Every product in the FullFloXF family of high efficiency pool filters offers superior filtration, easy maintenance and longer runs between cleanings.

Ordering Information

Product	Model	Media Type	Filter Area (sq.Ft.)	Vertical Clearance**	Filter	Plumbing Size	Flow Rate (GPM)	Turnover Capacity (Gallons)		
								8 Hours	10 Hours	12 Hours
FULLFLOXF HIGH EFFICIENCY FILTERS										
160448	C620	Cartridge	620	76"	Cartridge	2.5-3"	180	86,400	108,000	129,600
188616	Q120	DE	120	76"	Cartridge Style D.E. Filter	2.5-3"	180	86,400	108,000	129,600
188621	F72	DE	72	92"	Grid Style D.E. Filter	2.5-3"	144	69,120	86,400	103,680
188624	FV60	DE	58	70"	Grid Style D.E. Filter	2"	116	55,680	69,600	83,520
188625	FV72	DE	72	76"	Grid Style D.E. Filter	2"	144	69,120	86,400	103,680

**Minimum clearance to remove lid and internal elements

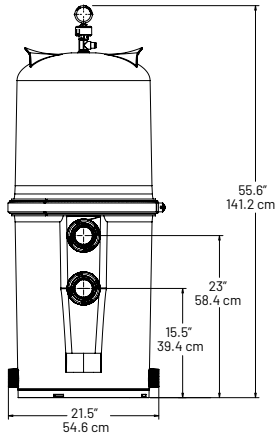
Certified to
NSF/ANSI Standard 50

* Statements of filter performance are based on estimates. Actual performance may vary and is not guaranteed. Estimates for filter efficiency are based on the power required to pump 150 GPM of water through a Clean & Clear® Plus 520 filter using a IntelliFlo® VSF pump verses a FullFloXF C620 filter using a IntelliFlo VSF Pump.

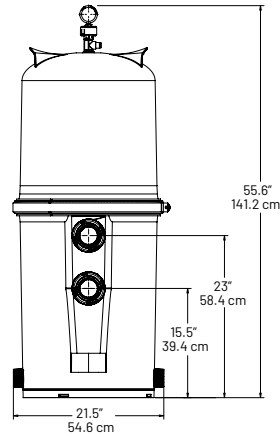
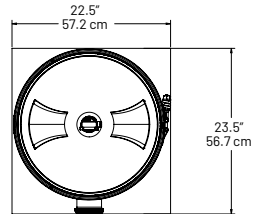
FULLFLOXF® (CONT'D)

HIGH EFFICIENCY FILTERS

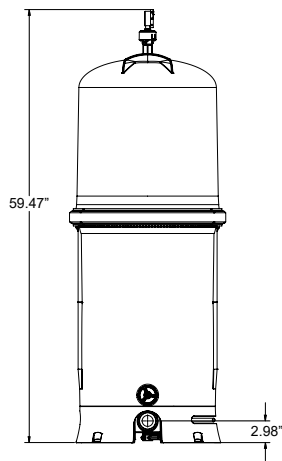
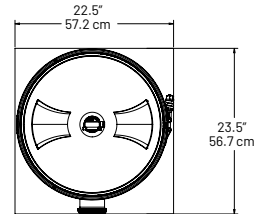
Dimensions and Performance



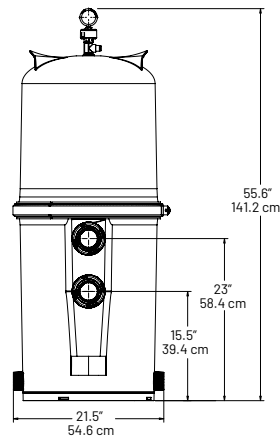
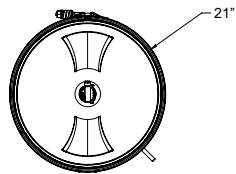
FullFloXF Q-Series



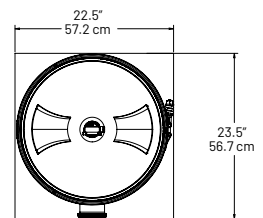
FullFloXF C-Series



FullFloXF FV-Series



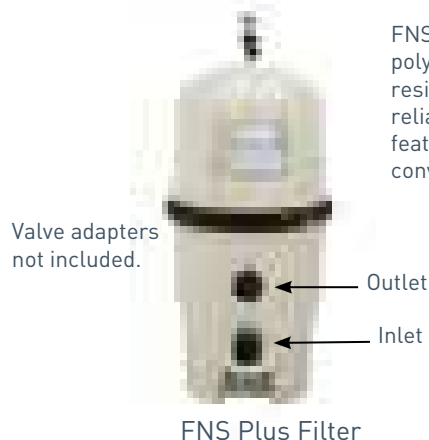
FullFloXF F-Series



FNS® PLUS FILTERS

FIBERGLASS REINFORCED POLYPROPYLENE MATERIAL, VERTICAL GRID, D.E.

TRADEGRADE



FNS Plus filters are fiberglass reinforced polypropylene of advanced chemical resistant materials for strength and reliability. The top manifold design features the Service-Ease grid pack for convenient one-at-a-time grid servicing.

Featured Highlights

- Certified to NSF/ANSI Standard 50
- Service-Ease™ Grid Pack
- Continuous High Flow™ Internal Air Relief *
- 100% factory tested
- Top-to-bottom backwash
- High Flow Manual Air Relief valve
- Tension Control™ Clamp
- 1-1/2 in. bottom clean out port
- 7-1/2 in. centerline bulkhead fittings

Ordering Information

Product	Model	Effective Filtration Area (Sq. Ft.)	Flow Rate ¹ (GPM)	Turnover Capacity (In Gallons)			D.E. Required (Lbs.)	Carton Qty.	Carton Wt. (Lbs.)
				8 Hour	10 Hour	12 Hour			
FNS PLUS FILTERS									
180006	FNSP24	24	48	23,040	28,800	34,560	2.4	1	60
180007	FNSP36	36	72	34,560	43,200	51,840	3.6	1	70
180008	FNSP48	48	96	46,080	57,600	69,120	4.8	1	80
180009	FNSP60	60	120	57,600	72,000	86,400	6.0	1	90
FNS PLUS VALVE OPTIONS ²									
263079	2 in. PVC Slide valve w/o bulkhead fitting							1	3
261049	2 in. HiFlow valve, no plumbing							1	7
261142	2 in. HiFlow valve with plumbing for FNS, FNS Plus, NSP filters							1	11
261152	2 in. MPV, threaded for FNS, FNS Plus, NSP filters							1	10
263064	Push pull valve, 7-1/2 in. Center, Almond PVC							1	6
261177	2 in. HiFlow valve, no plumbing							1	7
263081	Valve for D.E., inlet port on bottom, Pentair 2 in. unions glued on XF Valve							1	12
270100	Valve Adaptor Kit 2" Black							1	1
271096	Valve Adaptor Kit 2" White							1	1
FNS PLUS REPLACEMENT GRID ELEMENTS									
198080	FNSP24 Element Only Replacement Pack (7 large, 1 small)				198082	FNSP48 Element Only Replacement Pack (7 large, 1 small)			
198081	FNSP36 Element Only Replacement Pack (7 large, 1 small)				198083	FNSP60 Element Only Replacement Pack (7 large, 1 small)			

¹ Flow rate is based on 2.0 GPM per sq. ft. of filter area. Actual system flow will depend on plumbing size and other system components.

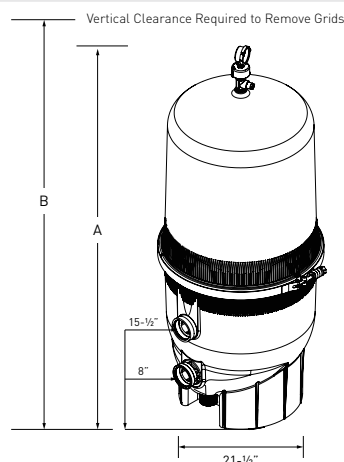
² Valves must be purchased separately.

Dimensions and Performance

Dimension Table		
Product	A Dim.	B Dim.
180006	37"	48"
180007	43"	62"
180008	49"	74"
180009	55"	86"

**Certified to
NSF/ANSI Standard 50**

Integrated continuous High Flow internal air relief is operational only when there is unobstructed flow in the circulating system.
Note: Operating Limits – maximum continual operating pressure of 50 PSI. Pool/spa (bather) applications, maximum operating water temperature (internal filter) 104°F (40°C).



EASYSOAN™ FILTERS

FIBERGLASS REINFORCED POLYPROPYLENE TANK

TRADEGRADE

Featured Highlights

- Unionized connections
- Integrated continuous High Flow™ Internal Air Relief *
- Chemical resistant tank body
- Lock ring with spring-loaded safety latches
- High Flow manual air relief valve
- 1 in. drain and wash out
- Single piece base and body design

The EasyClean Filter features a chemical resistant tank with no-tool servicing and a cored cartridge for easier cleaning. All models are equipped with easy spin-on-unions for plumbing hook-ups.



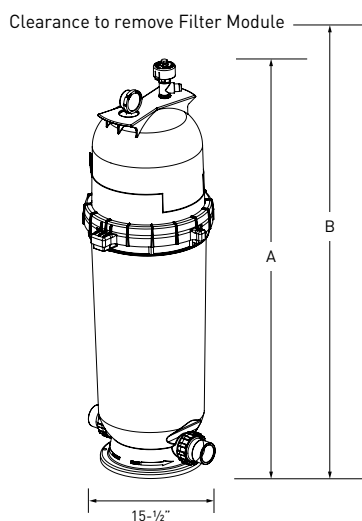
EasyClean Filter

Ordering Information

Product	Model	Effective Filtration Area (Sq. Ft.)	Vertical Clearance ¹	Flow Rate ² (GPM)	D.E. Required	Turnover Capacity (In Gallons)			Carton Qty.	Carton Wt. (Lbs.)
						8 Hour	10 Hour	12 Hour		
EASYSOAN FILTERS										
188614	EC60	15	39 in.	60	1.3	28,000	36,000	43,000	1	26
188615	EC90	30	76 in.	90	2.4	43,200	54,000	64,800	1	35

¹ Required clearance to remove filter elements.

² Maximum flow rate.



Model	A Dim	B Dim
188614	25-1/2 in.	39 in.
188615	40-1/2 in.	76 in.

Dimensions and Performance

Note: Actual system flow will depend on plumbing size and other system components.

Note: Pentair does not recommend flow rates above 150 GPM.

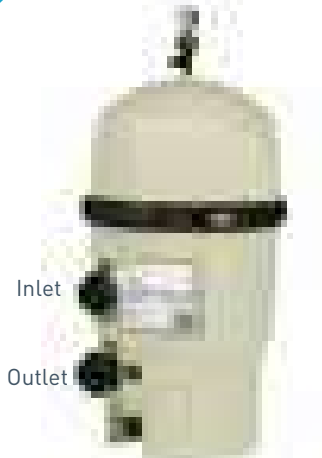
* Integrated continuous High Flow internal air relief is operational only when there is unobstructed flow in the circulating system.

Note: Operating Limits - maximum continual operating pressure of 50 PSI. Pool/spa (bather) applications, maximum operating water temperature (internal filter) 104°F (40°C).

QUAD D.E.® FILTERS

CARTRIDGE STYLE FILTER

TRADEGRADE



Quad D.E. Filter

The Highest Water Clarity with the Lowest Amount of Fuss. Quad D.E. combines the finest filtration available for the most sparkling clear water with the convenience and easy-cleaning features usually found only in a cartridge filter. Four easily accessible and removable D.E. cartridges simplify maintenance and save time.

Featured Highlights

- Four large-capacity cartridges provide maximum filter surface area for greater dirt-trapping capacity and longer periods between cleanings
- Chemical resistant, fiberglass reinforced polypropylene tank for exceptional strength and long life
- Easily removable cartridge elements make maintenance fast and easy
- The efficient water flow through the Quad D.E. Filter may assist your pump in using less energy

Ordering Information

Product	Model	Effective Filtration Area (Sq. Ft.)	Flow Rate (GPM)	Turnover Capacity (In Gallons)			D.E. Required (Lbs.)	Carton Qty.	Carton Wt. (Lbs.)
				8 Hour	10 Hour	12 Hour			
QUAD D.E. FILTERS									
188592	Quad D.E. 60	60	120	57,600	72,000	86,400	6.0	1	70
188593	Quad D.E. 80	80	160	76,800	96,000	115,200	8.0	1	80
188594	Quad D.E. 100	100	160	76,800	96,000	115,200	10.0	1	90
QUAD D.E. VALVE OPTIONS¹									
261173	1-1/2 in. MPV, for Triton and Quad D.E. filters (SM 10-3)							1	3
263079	2 in. PVC Slide valve w/o plumbing, for D.E. & sand filters							1	7
261049	2 in. HiFlow valve, no plumbing							1	11
261050	2 in. HiFlow w/ plumbing, for Triton and Quad D.E. filters							1	10
261055	2 in. MPV, for Triton and Quad D.E. filters (SM 20-3)							1	5
263064	Push pull valve, 7-1/2 in. Center, Almond PVC							1	4
270100	Union Kit, 2 in. I.D. (For no valve assembly)							1	1
274426	Adapter Kit, 2-1/2 in. x 2 in.							1	1
263080	Valve for D.E., inlet port on bottom, Pentair 2 in. unions glued on XF Valve							1	12

¹ Valves must be purchased separately.

Dimensions and Performance

Note: Actual system flow will depend on plumbing size and other system components.

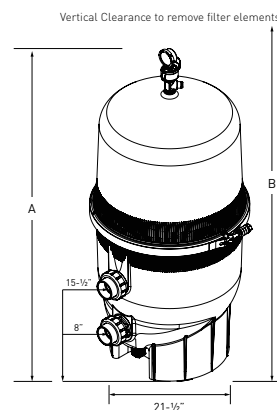
Note: Pentair does not recommend flow rates above 150 GPM.

* Integrated continuous High Flow internal air relief is operational only when there is unobstructed flow in the circulating system.

Note: Operating Limits - maximum continual operating pressure of 50 PSI. Pool/spa (bather) applications, maximum operating water temperature (internal filter) 104°F (40°C).

**Certified to
NSF/ANSI Standard 50**

Product	A Dim.	B Dim.
188592	43"	62"
188593	49"	68"
188594	56"	74"



SYSTEM:2™ MODULAR D.E. FILTERS

PLD SERIES FILTERS



TRADEGRADE

Featured Highlights

- Typical Installations – Inground pools and inground hot tubs
- Quality Construction – Durable two-piece tank housing constructed of rugged ABS thermoplastic to ensure a long-lasting tank life
- Easy Access – Posi-Ring Closure provides fast access to tank internals
- Innovative Design – The innovative balanced flow design first introduced with the System 3 Mod Media filter is now available in the smaller System:2 filter. Helps with a maintenance-free operation for pools of all sizes
- Low Maintenance – Complete media coverage combined with shallow pleats means greater dirt holding capabilities, resulting in longer filter cycles and less cleaning
- Modular Filter Tanks – Allows for quick change of filter medias without changing the tank



System:2 Modular D.E. Filter
PLD Series

Sta-Rite delivers the benefits of D.E. filtration in a variation of their proven modular media technology. A single replaceable grid delivers improved water quality without the complex workings of other D.E. filters. Tank and one-piece grid design will help be a maintenance-free filter. Contemporary style and matte black finish looks attractive in any pool setting. The small diameter footprint makes the System:2 filter a perfect fit for new and retrofit installations. Filter includes 2 in. NPT Drain ports, which are provided with reducer bushing and 1-1/2 in. drain plug.

Ordering Information

Product	Effective Filter Area (Sq. Ft.)	Flow Rated ¹ at 1–2 GPM (per Sq. Ft.)	Turnover Capacity (Gallons) (Flow Rate x 60 x Hours)			Tank Port Size	D.E. ² Required (Lbs.)	Carton Wt. (Lbs.)
			6 Hour	8 Hour	10 Hour			
SYSTEM:2 MODULAR D.E. FILTER - PLD SERIES								
PLD50	30	30–60	11–22,000	14–29,000	18–36,000	2 in.	6 ³	37
PLD70	36	36–72	13–26,000	17–35,000	22–43,000	2 in.	4	38

¹ Based on NSF recommended flow rate for commercial at 1–2 GPM per square foot.

² Do not use more D.E. than shown here. Mixed results with D.E. alternatives.

³ PLD50 requires more D.E. than the PLD70 because of precoat design and flow characteristics.

Note: Operating Limits – maximum continual operating pressure of 50 PSI.
Pool/spa (bather) applications, maximum operating water temperature
(internal filter) 104°F (40°C)

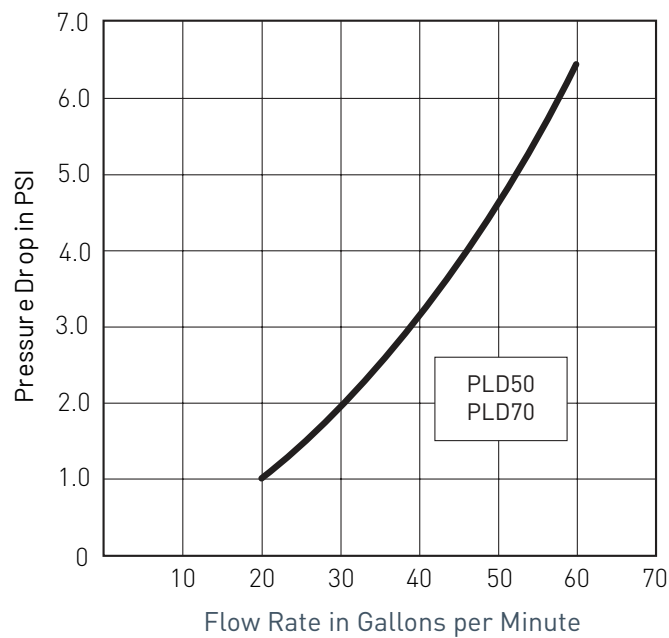
SYSTEM:2™ MODULAR D.E. FILTERS (CONT'D)

PLD SERIES FILTERS

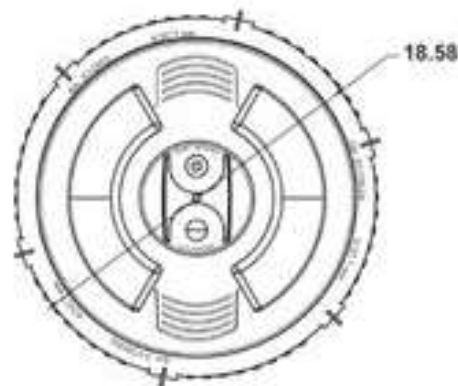
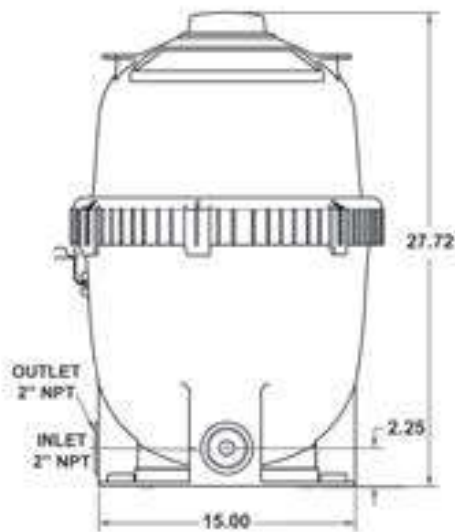
Ordering Information

Product	Description	Carton Weight (Lbs.)
ACCESSORIES FOR SYSTEM:2 MODULAR D. E. FILTER - PLD SERIES		
27002-0030S	30 sq. ft. Replacement Module for PLD50	10
27002-0036S	36 sq. ft. Replacement Module for PLD70	10
U78-820P	2 in. x 1-1/2 in. Pipe Reducer Bushing	1
27001-0130S	Spring Check Valve	1

Dimensions and Performance



Certified to
NSF/ANSI Standard 50



All dimensions shown in inches.

SYSTEM:2™ MODULAR D.E. FILTERS

PLDE SERIES FILTERS



TRADEGRADE

Featured Highlights

- Typical Installations – Inground pools and inground hot tubs
- Quality Construction – Durable two-piece tank housing constructed of rugged ABS thermoplastic to ensure a long-lasting tank life
- Easy Access – Posi-Ring Locking Ring provides easy access to tank internals
- Innovative Design – The innovative, balanced-flow design – first introduced with the System 3 Mod Media filter – is now available in the smaller System:2 filter. Helps with a maintenance-free operation for pools of all sizes.
- A Perfect Fit – The small diameter footprint makes the System:2 filter a perfect fit for new and retrofit installations
- Modular Filter Tanks – Allows for quick change of filter medias without changing the tank plumbing



System:2 Modular D.E. Filters
PLDE Series

Sta-Rite delivers the benefits of D.E. filtration in a variation of their proven modular media technology. A single replaceable grid delivers improved water quality without the complex workings of other D.E. filters. This innovative one-piece design is fully backwashable and can be plumbed with or without a backwash valve. 2 in. union valves are included for installations electing not to use a backwash valve. For deep-down cleaning, simply remove the filter lid and hose off in place. No more hassle of tearing down the grid assembly for cleaning and servicing. Contemporary style and matte black finish looks attractive in any pool setting.

Ordering Information

Product	Effective Filter Area (Sq. Ft.)	Flow Rated ¹ at 1-2 GPM (per Sq. Ft.)	Turnover Capacity (Gallons) (Flow Rate x 60 x Hours)			Tank Port Size	D.E. ² Required (Lbs.)	Carton Wt. (Lbs.)
			6 Hour	8 Hour	10 Hour			
SYSTEM:2 MODULAR D.E. FILTER - PLDE SERIES								
PLDE36	36	36-72	13-26,000	17-35,000	22-43,000	2 in.	5.4	38
PLDE48	48	48-96	17-34,000	23-46,000	29-57,600	2 in.	7.2	46
PLDE VALVE OPTIONS ³								
18202-0250	ABS 6-Position Valve with Union Connections – 1-1/2 in. Valve Port							5
18201-0300	ABS 6-Position Valve with Union Connections – 2 in. Valve Port							8
263053	VLV Push Pull, 7.81 in. center							12
262509	Valve with filter inlet port on top, no fittings, only valve							12

¹ Based on NSF recommended flow rate for commercial at 1-2 GPM per square foot.

² Do not use more D.E. than shown here. Mixed results with D.E. alternatives.

³ Valves must be purchased separately.

Note: Operating Limits – maximum continual operating pressure of 50 PSI. Pool/spa (bather) applications, maximum operating water temperature (internal filter) 104°F (40°C).

SYSTEM:2™ MODULAR D.E. FILTERS (CONT'D)

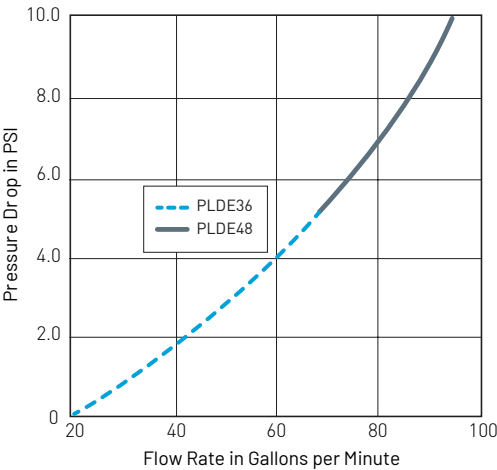
PLDE SERIES FILTERS

Ordering Information

Product	Description	Carton Weight (Lbs.)
ACCESSORIES FOR SYSTEM:2 MODULAR D.E. FILTER - PLDE SERIES		
27002-0036S	36 sq. ft. Replacement Module for PLD50, PLDE36	10
27002-0048S	48 sq. ft. Replacement Module for PLDE48	11
PKG 188Z	2 in. Union Half x 2 in. Slip - Package of 2	1
77703-0101	2 in. Union Half x 1-1/2 in. Slip - Package of 2	1

Dimensions and Performance

PLDE SERIES FILTER PERFORMANCES				
PLDE36	35,000	36	54	5.4
PLDE48	46,000	48	72	7.2

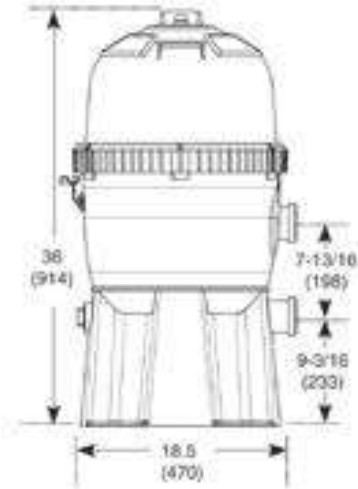


Certified to
NSF/ANSI Standard 50

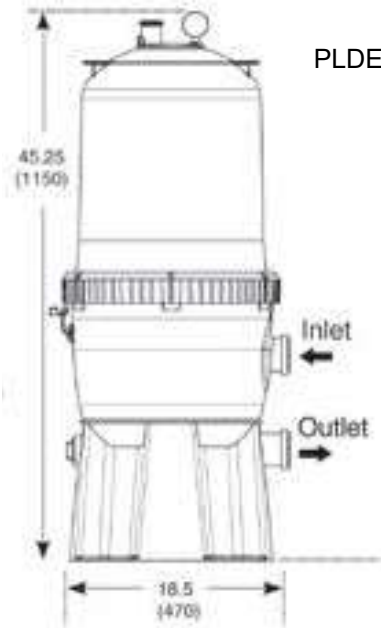
PLDE36

PLDE36

All dimensions
shown in inches.



PLDE48



SYSTEM:3® D.E. FILTERS

SD SERIES FILTERS



TRADEGRADE

Featured Highlights

- Typical Installations – Inground pools, inground hot tubs, and water features
- Quality Construction – Durable two-piece tank housing constructed of Dura-Glas™, Sta-Rite's industry leading glass-reinforced composite resin
- Easy Access – Posi-Lok™ Clamps provides easy access to tank internals
- Innovative Design – 2 in. plumbing throughout combined with Sta-Rite's rectangular grid system provides D.E. filtration
- Low Maintenance – Easy backwash capabilities means less manual cleaning of the grids
- Dual Drain Plugs – Side plug assembly includes 1-1/2 in. NPT port for direct discharge plumbing
- Sleek Looks – Contemporary style and matte black finish looks attractive in any pool setting



System:3 D.E. Filters
SD Series

D.E. is now more practical for all backyard pools as well. System 3 brings you the proven performance of Sta-Rite's diatomaceous earth media in an easy-to-operate filter. The greater cycle times and minimized maintenance of the System 3, coupled with Sta-Rite's grid system, gives you the finest D.E. filter available.

Ordering Information

Product	Effective Filter Area (Sq. Ft.)	Flow Rated ¹ at 1–2 GPM (per Sq. Ft.)	Turnover Capacity (Gallons) (Flow Rate x 60 x Hours)			Tank Port Size	D.E. ² Required (Lbs.)	Carton Wt. (Lbs.)
			6 Hour	8 Hour	10 Hour			
SYSTEM : 3 D. E. FILTERS - SD SERIES								
S7D75	37	37–74	13–27,000	18–36,000	22–44,000	2 in.	3.7	112
S8D110	53	53–106	19–38,000	26–51,000	32–64,000	2 in.	5.3	136
SD SERIES VALVE OPTIONS ³								
18202-0150	ABS 6-Position Valve with Union Connections – 1-1/2 in. Valve Port							5
18201-0200	ABS 6-Position Valve with Union Connection – 2 in. Valve Port							8
263053	VLV Push Pull, 7.81 in. center							12
262508	Sta-Rite version for System 3 D.E. and Sand, inlet on bottom, with Sta-Rite offset adapters glued on							12
ACCESSORIES FOR SYSTEM : 3 MODULAR D. E. FILTER - SD SERIES								
25021-1021	DE Conversion Kit – S7D75 - Grid Assembly and Valve Sold separately (new valve may be required)							18
25021-1025	DE Conversion Kit – S8D110 - Grid Assembly and Valve Sold separately (new valve may be required)							20

¹ Based on NSF recommended flow rate for commercial at 1-2 GPM per square foot.

² Do not use more D.E. than shown here. Mixed results with D.E. alternatives.

³ Valves must be purchased separately.

Note: Operating Limits – maximum continual operating pressure of 50 PSI.
Pool/spa (bather) applications, maximum operating water temperature
(internal filter) 104°F (40°C).

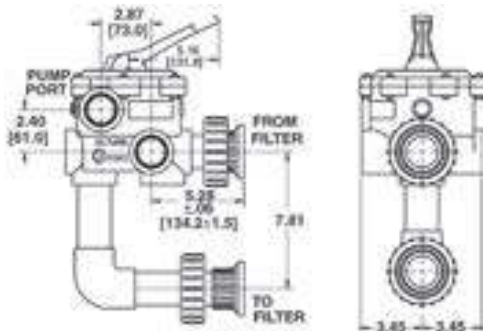
SYSTEM:3® D.E. FILTERS (CONT'D)

SD SERIES FILTERS

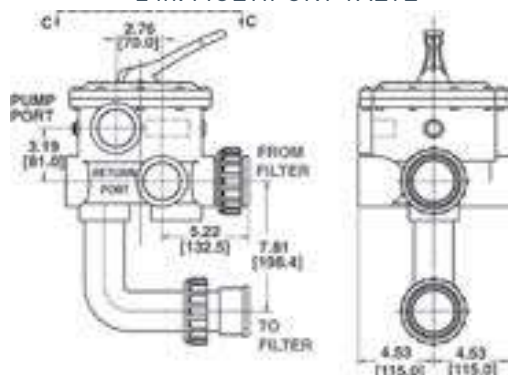
Dimensions and Performance

**Certified to
NSF/ANSI Standard 50**

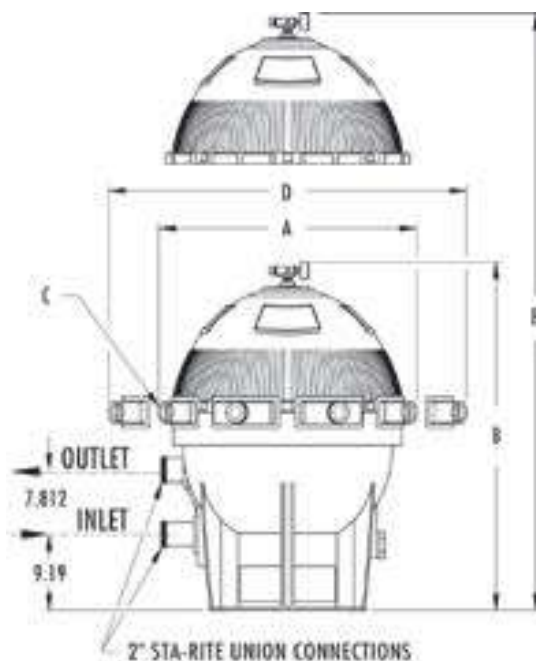
18202-0150
1-1/2 in. MULTI-PORT VALVE



18201-0200
2 in. MULTI-PORT VALVE

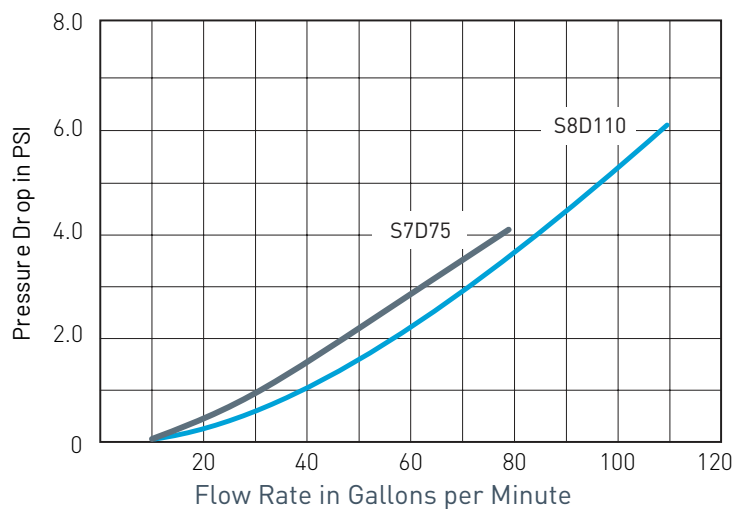


All dimensions shown in inches.



Catalog Number	DIMENSION				
	A	B	C	D	E
S7D75	28-1/2	42	7	36	50
S8D110	32-1/2	42-1/4	8	40	50

A = width
B = height
C = number of clamps
D = area (width) needed to take off clamps
E = area (height) needed to remove top half of tank
All dimensions shown in inches.



SYSTEM:3® MODULAR D.E. FILTERS

SMD SERIES FILTERS



TRADEGRADE



System:3 Modular D.E. Filters
SMD Series

Featured Highlights

- Typical Installations – Inground pools, inground hot tubs, and water features
- Quality Construction – Durable two-piece tank housing constructed of Dura-Glas™, Sta-Rite's industry leading glass-reinforced composite resin
- Easy Access – Posi-Lok™ Clamps provides easy access to tank internals
- Modular Filter Tanks – Allows for quick change of filter medias without changing the tank
- Low Maintenance – Easy backwash capabilities means less manual cleaning of the grids
- Dual Drain Plugs – Side plug assembly includes 1-1/2 in. NPT port for direct discharge plumbing
- Sleek Looks – Contemporary style and matte black finish looks attractive in any pool setting

Sta-Rite is proud to bring you the proven technology of System 3 Modular Media into the world of D.E. With balanced flow and integral manifold design, the System 3 Modular D.E. filter brings pool filtration to new heights. Available in 2 sizes, 60 and 72 sq. ft., System 3 Modular Media D.E. filtration will bring years of sparkling clear water to your customer's pool or spa. For cleaning, simply remove filter lid and hose off in place. No more hassle of tearing down the grid assembly for cleaning and servicing. The balanced flow design allows for a constant D.E. cake on the entire module, assuring full optimization of the module and longer cycles between cleanings.

Ordering Information

Product	Effective Filter Area (Sq. Ft.)	Flow Rated ¹ at 1–2 GPM (per Sq. Ft.)	Turnover Capacity (Gallons) (Flow Rate x 60 x Hours)			Tank Port Size	D.E. Required (Lbs.)	Carton Wt. (Lbs.)
			6 Hour	8 Hour	10 Hour			
SYSTEM:3 MODULAR D.E. FILTERS – SMD SERIES								
S7MD60	60	60–120	21–32,400	28–43,200	36–54,000	2 in.	9	115
S7MD72	72	72–144	25–38,880	34–51,800	43–64,800	2 in.	11	117
SMD SERIES VALVE OPTIONS								
18201-0300	ABS 6-Position Valve with Union Connections – 2 in. Port Valve							8
263053	VLV Push Pull, 7.81 in. center							12
ACCESSORIES FOR SYSTEM:3 MODULAR D.E. FILTER – SMD SERIES								
25023-0160S	60 sq. ft. Replacement D.E.	Element						20
25023-0172S	72 sq. ft. Replacement D.E.	Element						21
PKG 188Z	Union x 2 in. Slip Adapter – Pkg. of 2							1
PKG 189	Union x 2 in. FPT Adapter – Pkg. of 2							1
23910-1100S	System 3 Modular D.E. Conversion Kit (replacement element required; new valve may be required)							3

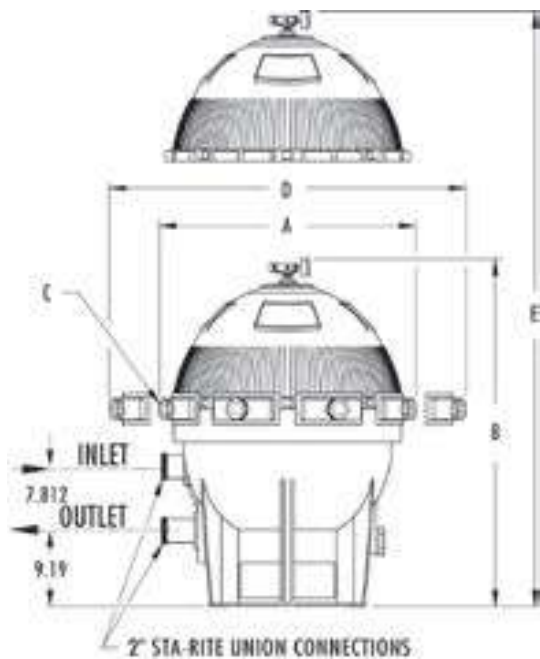
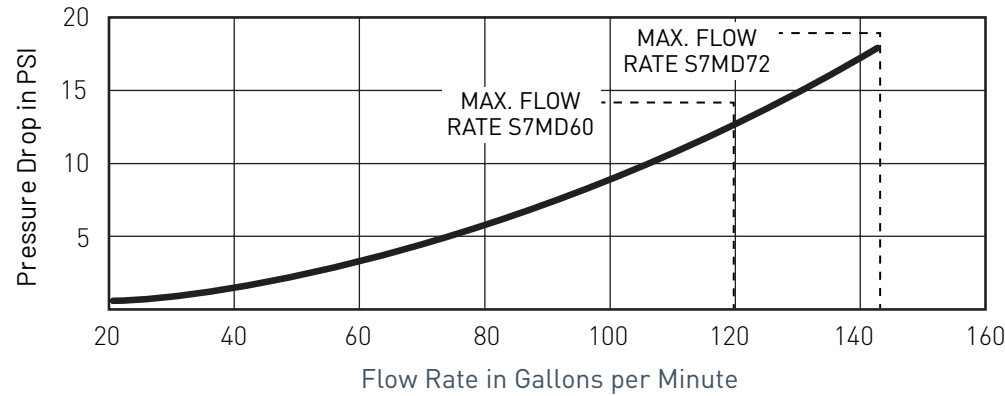
¹Based on NSF recommended flow rate for commercial at 1-2 GPM per square foot.

Note: Operating Limits – maximum continual operating pressure of 50 PSI. Maximum operating water temperature (internal filter) 104°F (40°C).

SYSTEM:3[®] MODULAR D.E. FILTERS (CONT'D)

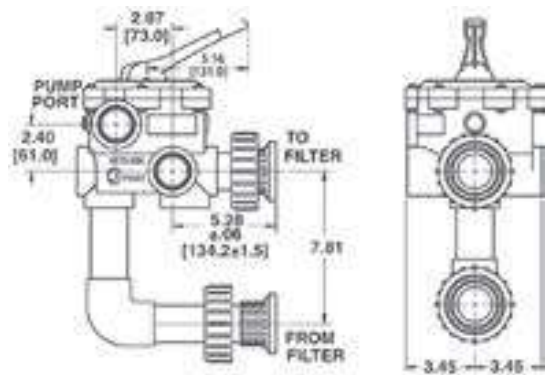
SMD SERIES FILTERS

Dimensions and Performance



18201-0300
2 in. MULTIPORT VALVE

**Certified to
NSF/ANSI Standard 50**



18201-0300
2 in. SLIDE VALVE

Catalog Number	DIMENSION				
	A	B	C	D	E
S7MD60	28-1/2	42	7	36	50
S7MD72	28-1/2	42	7	36	50

A = width
B = height
C = number of clamps
D = area (width) needed to take off clamps
E = area (height) needed to remove top half of tank
All dimensions shown in inches.

D.E. SEPARATION TANK 100

Featured Highlights

Quarter turn locking-ring provides quick and easy access for removing debris bag. Offers 2 x 2-1/2 inch unionized fittings. Debris bag holds up to 10 lbs of D.E.

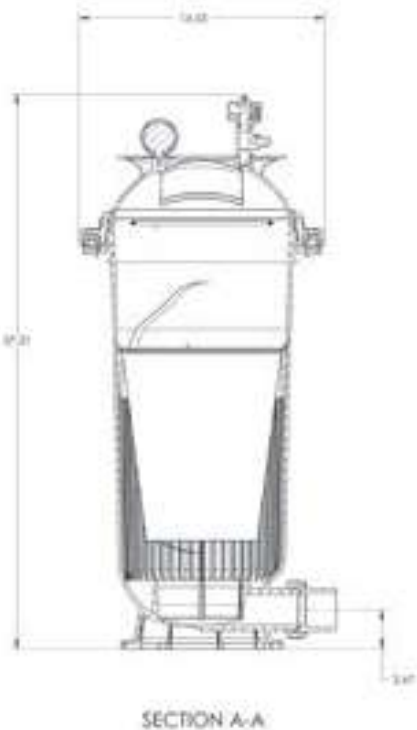


Separation Tank 100

Ordering Information

Product	Pipe For Filters	Connections	Carton Wt. (Lbs.)
D.E. SEPARATION TANK			
300005	100 sq. ft.	2 x 2-1/2 in. SLIP	30

Dimensions and Performance



TRITON® II, TAGELUS® & SAND DOLLAR® FILTERS WITH CLEARPRO TECHNOLOGY®

TRADEGRADE



TR60

Triton II Filter
(Unions not included)



TA60D

Tagelus Filter



SD80

Sand Dollar Filter

Featured Highlights

- All the same, great features of the Triton II, Tagelus and Sand Dollar Filters
- Helps improve water quality
- Max water temperature for Sand Dollar is 95°F

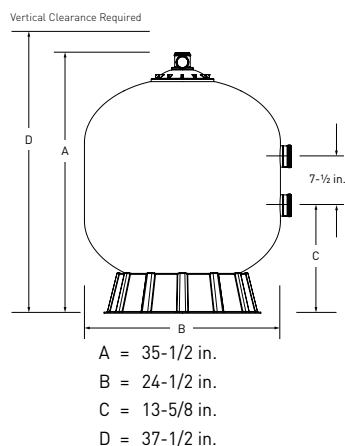
Ordering Information

Product	Model	Effective Filtration Area (Sq. Ft.)	Max. Press (PSI)	Flow Rate (GPM)	Turnover Capacity (In Gal.)			Filter Media		All Sand Req'd (Lbs.)	Ctn Qty.	Ctn Wt. (Lbs.)
					8 Hour	10 Hour	12 Hour	Pea Gravel Required (Lbs.)	Sand Req'd (Lbs.)			
TRITON II SAND FILTERS												
140212	TR 60	3.14	50	63	30,240	37,800	45,360	75	250	325	1	40
TAGELUS FILTERS												
145201	TA 60D	3.1	50	60	28,800	36,000	43,200	N/A	N/A	325	1	30
145389*	TA 60D	3.1	50	60	28,800	36,000	43,200	N/A	N/A	325	1	30
SAND DOLLAR FILTERS												
145300	SD 80	3.5	50	75	36,000	45,000	54,000	N/A	N/A	350	1	76
145388*	SD80	3.5	50	75	36,000	45,000	54,000	N/A	N/A	350	1	76
145390	CFII26 w 2" Hybrid Vlv											

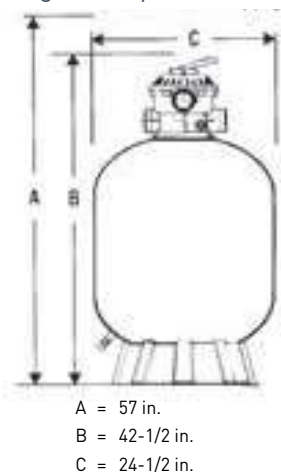
* with 2 in. valve

Dimensions and Performance

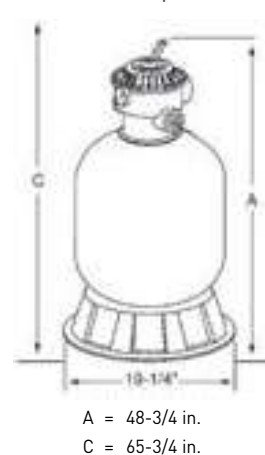
Triton II Side Mount Filter



Tagelus Top Mount Filter



Sand Dollar Top Mount Filter



SAND DOLLAR® TOP MOUNT FILTER

THERMOPLASTIC TANK WITH CLAMP STYLE MULTIPORT VALVE

TRADEGRADE

Featured Highlights

- Six-position, top-mounted multiport valve
- Combination water and sand drain makes servicing and winterizing fast and easy



SD80
with 2 in. valve

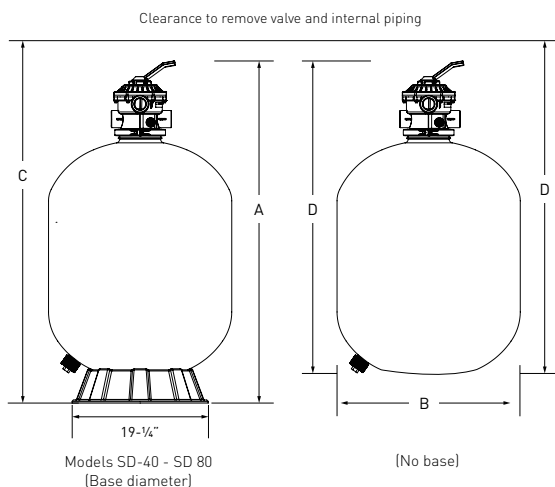
Sand Dollar Top Mount Filter

Ordering Information

Product	Model	Effective Filtration Area (Sq. Ft.)	Max. Pressure (PSI)	Flow Rate (GPM)	Turnover Capacity (In Gallons)			All Sand Required (Lbs.)	Carton Qty.	Carton Wt. (Lbs.)
					8 Hour	10 Hour	12 Hour			
SAND DOLLAR FILTERS										
145315	SD 35	1.4	30	35	16,800	21,000	25,200	100	1	22
145320	SD 40	1.8	35	40	19,200	24,000	28,800	150	1	24
145322	SD 60	2.3	40	60	28,800	36,000	43,200	250	1	28
145367	SD 70	3.15	50	70	33,600	42,000	54,000	300	1	58
145333	SD80	3.5	50	75	36,000	45,000	54,000	350	1	76
145386*	SD80 2 in.	3.5	50	75	36,000	45,000	54,000	350	1	76

Dimensions and Performance

* with 2 in. valve



DIMENSION TABLE

Model	A DIM.	B DIM.	C DIM.	D DIM.	E DIM.
SD 35	33-1/2 in.	16-1/2 in.	37 in.	30-3/4 in.	34-1/4 in.
SD 40	37-3/4 in.	19-1/2 in.	46-1/4 in.	35 in.	43-1/2 in.
SD 60	43-3/4 in.	22-1/2 in.	52-1/2 in.	40-3/4 in.	49-1/4 in.
SD 70	46-1/4 in.	24 in.	57 in.	43-1/4 in.	53-3/4 in.
SD 80	48-3/4 in.	26 in.	65-3/4 in.	45-5/8 in.	62-1/2 in.

TAGELUS® TOP MOUNT FILTER

FIBERGLASS TANK WITH MULTIPORT VALVE, CLAMP STYLE

TRADEGRADE



TA60D
with 2 in. valve

Tagelus Top Mount Filter
(Unions sold separately)

Featured Highlights

- Special lateral design provides flow characteristics and extended filter cycles to aid economical operation
- Maximum Operating Pressure 50 psi
- Combination water and sand drain makes servicing and winterizing fast and easy
- 40 and 60D models standard with plastic clamp

Our process creates a one-piece, fiberglass reinforced tank with strength and durability. Tagelus filters are equipped with a six-position, clamp style, top-mounted multiport valve.

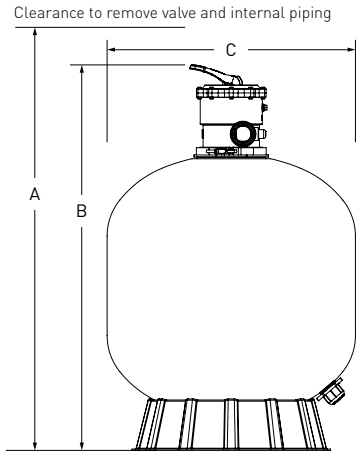
Ordering Information

Product	Model	Effective Filtration Area (Sq. Ft.)	Flow Rate (GPM)	Turnover Capacity (In Gallons)			All Sand Required (Lbs.)	Carton Qty.	Carton Wt. (Lbs.)
				8 Hour	10 Hour	12 Hour			
TAGELUS FILTERS									
144126	TA 40D	1.8	40	19,200	24,000	28,800	175	1	30
145241	TA 60D	3.1	60	28,800	36,000	43,200	325	1	38
145240	TA 100D	4.9	100	48,000	60,000	72,000	600	1	78
145385*	TA60D(2)	3.1	60	28,800	36,000	43,200	325	1	38

Note: Operating Limits – maximum continual operating pressure of 50 PSI. Maximum operating water temperature (internal filter) 104°F (40°C).
Unions shown in product image above sold separately.
* with 2 in. valve

Dimensions and Performance

DIMENSIONS			
Model	Height (A)	Height (B)	Height (C)
TA 40D	24.0"	24.0"	12.0"
TA 60D	30.0"	30.0"	12.0"
TA 100D	36.0"	36.0"	12.0"
TA60D(2)	30.0"	30.0"	12.0"



TRITON® II SIDE MOUNT FILTERS

FIBERGLASS SAND FILTER WITHOUT VALVES

TRADEGRADE

Featured Highlights

- Heavy-duty closure provides easy inspection, and features an easy-to-read pressure gauge with air relief valve
- Swing-away diffuser allows instant access to sand and all internal parts
- All internal parts are threaded for ease of service
- Internal air bleed
- Bulkhead connectors are threaded for easy installation and service
- Combination sand and water drain makes servicing and winterizing fast and easy
- Maximum Operating Pressure 50 psi



Triton II Side Mount Filter
(Unions not included)

The original and still the industry standard. Our process creates a one-piece, fiberglass reinforced tank with UV resistant surface finish for years of strength and durability. This method locks in fiberglass, preventing fibers from "blooming" under harsh conditions.

Ordering Information

Product	Model	Effective Filtration Area (Sq. Ft.)	Flow Rate (GPM Comm)	Turnover Capacity (In Gal.)			Filter Media		All Sand Req'd (Lbs.)	Ctn Qty.	Ctn Wt. (Lbs.)
				8 Hour	10 Hour	12 Hour	Pea Gravel Req'd (Lbs.)	Sand Req'd (Lbs.)			
TRITON II SAND FILTERS											
140236	TR 40	1.92	38	18,240	22,800	27,360	50	125	175	1	25
140264	TR 60	3.14	63	30,240	37,800	45,360	75	250	325	1	40
140210	TR 100	4.91	74	35,520	44,400	53,280	150	450	600	1	65
140243	TR 140	7.06	106	50,880	63,600	76,320	275	650	925	1	75
TRITON II VALVE OPTIONS ¹											
261173	1-1/2 in. MPV, for sand filters (SM 10-3)									1	6
263079	2 in. PVC Slide valve w/o plumbing, for D.E. & sand filters									1	3
261049	2 in. HiFlow valve, no plumbing									1	7
261050	2 in. HiFlow w/ plumbing, for sand filters									1	11
261055	2 in. MPV, for sand filters (SM 20-3)									1	10
263064	Push Pull 7-1/2 in. Center Valve, Almond PVC									1	5
263080	Valve for Sand and Quad D.E., inlet port on top, Pentair 2 in. unions glued on XF Valve									1	10

¹ Valves must be purchased separately.

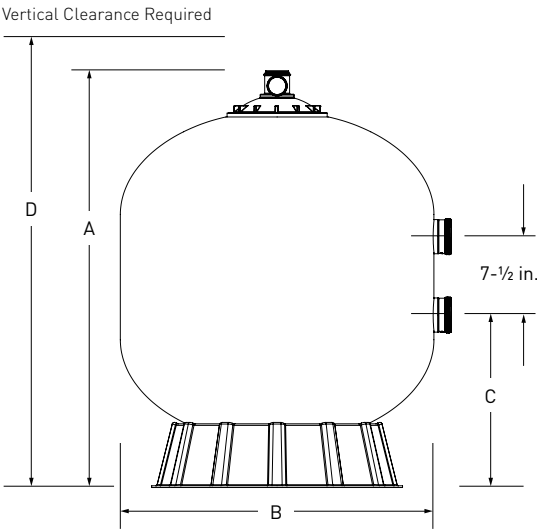
Note: Operating Limits – maximum continual operating pressure of 50 PSI. Maximum operating water temperature (internal filter) 104°F (40°C).

TRITON® II SIDE MOUNT FILTERS (CONT'D)

FIBERGLASS SAND FILTER WITHOUT VALVES

Dimensions and Performance

Certified to
NSF/ANSI Standard 50



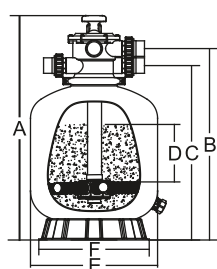
DIMENSION TABLE

MODEL	A DIM.	B DIM.	C DIM.	D DIM.
TR 40	30-1/2 in.	19-1/2 in.	10-3/4 in.	32-1/2 in.
TR 50	34-3/4 in.	23-1/2 in.	11-7/8 in.	36-3/4 in.
TR 60	35-1/2 in.	24-1/2 in.	13-5/8 in.	37-1/2 in.
TR 100	39-3/4 in.	30-1/2 in.	16-1/4 in.	41-3/4 in.
TR 140	45-1/4 in.	36-1/2 in.	18-3/4 in.	47-1/4 in.

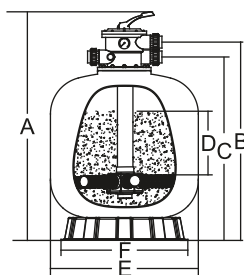
RFF RESIDENTIAL AND RCFF COMMERCIAL FILTERS

Featured Highlights

- Bobbin-wound reinforced fiberglass tank
- UV-resistant surface finish
- Multiport valve, clamp or bolt style
- RFF Residential models from ø350mm to ø800mm.
- RCFF Commercial models from ø900mm to ø1400mm
- Max. operating pressure: 2.5bar (36psi). Models from RCFF900 and up are available in 4bar upon request
- Max Temperature of 43°C (109°F)
- Suggested media sizes: 0.5-0.8mm



PNR-RFF350 - PNR-RFF700



PNR-RFF700(B) - PNR-RCFF1400

Ordering Information

Product	Filter Area	Valve Connections		Flow Rate		Sand	Product Dimensions					
	m ²	inch	mm	lpm	m ³ /h		A mm	B mm	C mm	D mm	E mm	F mm
PNR-RFF350	0.09	1.5	50	72	4.32	20	726	619	550	160	355	298
PNR-RFF400	0.13	1.5	50	108	6.48	35	757	640	590	175	410	390
PNR-RFF450	0.16	1.5	50	135	8.10	45	814	698	638	210	455	390
PNR-RFF500	0.22	1.5	50	185	11.10	85	845	730	670	235	535	500
PNR-RFF650	0.32	1.5	50	260	15.60	145	950	815	775	300	635	500
PNR-RFF650B	0.32	2.0	50	267	16.00	145	957	835	731	300	635	500
PNR-RFF700	0.40	1.5	50	325	19.50	210	1020	905	845	330	710	500
PNR-RFF700B	0.41	2.0	63	336	20.16	215	1092	960	877	390	723	500
PNR-RFF800	0.50	2.0	63	415	24.90	355	1200	1085	1002	425	800	780
PNR-RCFF900	0.64	2.0	63	520	31.20	470	1300	1172	1090	480	900	780
PNR-RCFF900C	0.64	2.5	75	533	32.00	470	1334	1242	990	480	900	780
PNR-RCFF1000	0.79	2.0	63	650	39.00	620	1400	1340	1260	580	1000	780
PNR-RCFF1000C	0.79	2.5	75	658	39.50	620	1434	1410	1160	580	1000	780
PNR-RCFF1200	1.13	2.0	63	860	51.60	860	1600	1550	1468	740	1200	1000
PNR-RCFF1200C	1.13	2.5	75	941	56.50	860	1634	1620	1368	740	1200	1000
PNR-RCFF1400	1.54	2.5	75	1155	69.30	1400	1845	1683	1586	750	1400	1000

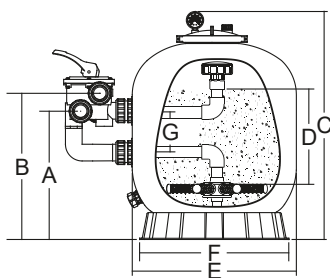
*Filters with 4bar max operating pressure can be ordered from 800mm diameter and up please contact Pentair sales representative for more details.

SDM RESIDENTIAL AND COMMERCIAL SAND FILTERS

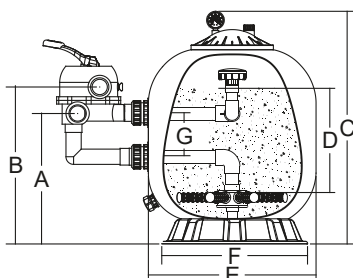


Featured Highlights

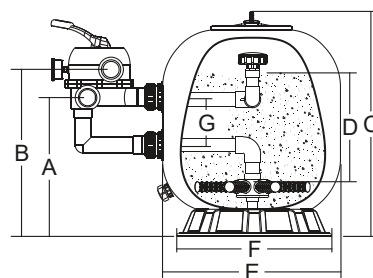
- Bobbin-wound reinforced fiberglass tank.
- UV-resistant surface finish.
- Six-position multiport valve.
- Standard sizes PNR-SDM filters from 450mm to 1200mm.
- Max. Operating Pressure: 2.5bar (36psi). Models from SDM800 and up are available in 4bar (56psi) upon request.
- Max Temperature of 43°C (109°F).
- Suggested Size of Media: 0.5-0.8mm.



PNR-SDM450 ~ PNR-SDM700



PNR-SDM700-20 ~ PNR-SDM900-20



PNR-SDM1000 ~ PNR-SDM1200

Ordering Information

Product Model	Filter Area	Valve Connections		Flow Rate		Sand	Product Dimensions						
	m ²	inch	mm	lpm	m ³ / h	kg	A mm	B mm	C mm	D mm	E mm	F mm	G mm
PNR-SDM450	0.16	1.5	50	135	8.1	45	360	420	730	210	455	390	125
PNR-SDM500	0.22	1.5	50	185	11.1	85	390	450	770	235	535	500	125
PNR-SDM650	0.32	1.5	50	260	15.6	145	430	490	850	300	635	500	125
PNR-SDM700	0.40	1.5	50	325	19.5	210	450	510	960	330	710	500	125
PNR-SDM700-20	0.41	2.0	63	336	20.16	215	520	606	890	390	723	500	220
PNR-SDM800	0.53	2.0	63	435	24.1	355	560	646	1050	425	820	780	220
PNR-SDM900	0.66	2.0	63	495	29.7	470	610	696	1180	480	920	780	220
PNR-SDM900C-25	0.66	2.5	75	550	33	470	673	744	1180	380	920	780	236
PNR-SDM1000	0.82	2.0	63	670	40.2	620	700	770	1220	580	1020	780	220
PNR-SDM1000C-25	0.82	2.5	75	683	41	620	773	844	1220	480	1020	780	236
PNR-SDM1200	1.17	2.0	63	880	52.8	860	820	1005	1410	740	1220	1000	220
PNR-SDM1200C-25	1.17	2.5	75	975	58.5	860	836	1079	1410	640	1220	1000	236

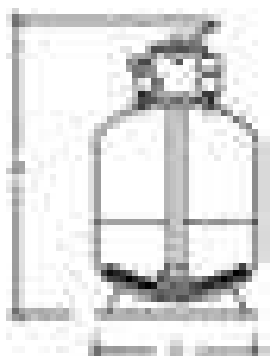
Filters with 4bar max operating pressure can be ordered from 800mm diameter and up, please contact Pentair sales representative for more details.

PWT TOP MOUNT FILTERS

FIBERGLASS TANK WITH MULTIPORT VALVE

Featured Highlights

- Combination of sand and water drain plug speeds servicing and winterizing
- High-quality filter tanks are made of fiberglass reinforced polyester material.
- All internal parts are threaded for ease of maintenance
- Swing-away water diffuser allows instant access to sand and all internal parts
- Maximum working pressure of 2.5 bar



Ordering Information

Product	Recommended flow rate m3/h	Filter area m2	Valve Size	A Dim. mm	C Dim. mm	Filter Sand KG
PWT-PR-19-TM-1.5	8	0.2	1.5"	920	500	75
PWT-PR-24-TM-1.5	11.6	0.29	1.5"	1000	610	150
PWT-PR-30-TM-2	17.6	0.44	2"	1090	750	250
PWT-PR-36-TM-2	21.6	0.63	2"	1170	900	400
PWT-PR-36-TM-2.5	25.2	0.63	2.5"	1210	900	400
PWT-PR-42-TM-2.5	35.6	0.89	2.5"	1400	1070	600
PWT-PR-48-TM-2.5	38.7	1.13	2.5"	1560	1200	750

*Recommended flow rates are typically rated at 40m3/h/m2 filtration rate

*Maximum flow rates can be estimated at 50m3/h/m2 filtration rate.

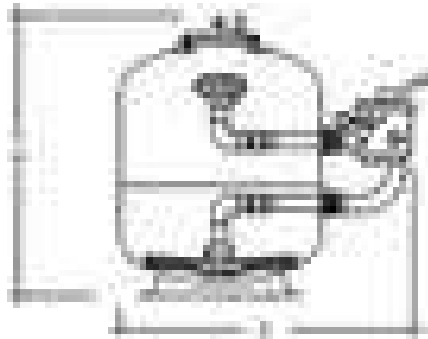
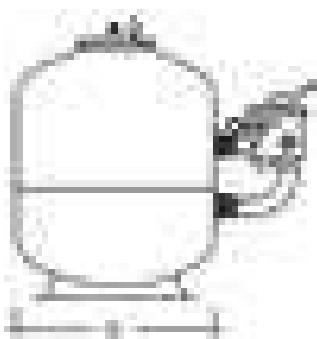
PWT SIDE MOUNT FILTERS

FIBERGLASS TANK WITH MULTIPORT VALVE



Featured Highlights

- Combination of sand and water drain plug speeds servicing and winterizing
- High-quality filter tanks are made of fiberglass reinforced polyester material.
- All internal parts are threaded for ease of maintenance
- Swing-away water diffuser allows instant access to sand and all internal parts
- Maximum working pressure of 2.5 bar



Ordering Information

Product	Recommended flow rate m3/h	Filter area m2	Valve Size	A Dim. mm	B Dim. mm	C Dim. mm	Filter Sand KG
PWT-PR-24-SM-1.5	11.6	0.29	1.5"	880	890	610	150
PWT-PR-30-SM-2	17.6	0.44	2"	940	1030	750	250
PWT-PR-36-SM-2	21.6	0.63	2"	1030	1230	900	400
PWT-PR-36-SM-2.5	25.2	0.63	2.5"	1030	1420	900	400
PWT-PR-42-SM-2.5	35.6	0.89	2.5"	1220	1590	1070	600
PWT-PR-48-SM-2.5	38.7	1.13	2.5"	1400	1710	1200	750

*Recommended flow rates are typically rated at 40m3/h/m2 filtration rate
*Maximum flow rates can be estimated at 50m3/h/m2 filtration rate.

CRISTAL-FLO™ II TOP-MOUNT FILTERS

HIGH RATE SAND FILTERS



TRADEGRADE

Featured Highlights

- **Quality Construction** – Durable one-piece extra-thick molded polyethylene tank
- **6-Position Valve** – Allows you to perform all necessary water movement functions.
- **Large Drain Plug** – Large drain plug is easy to get at for removing and installing by hand or with tools if required
- **Sleek Looks** – Contemporary style with a textured black finish that provides great performance in all weather conditions
- **Innovative** - Integrated continuous High Flow™ Internal Air Relief *



Cristal-Flo II
Top-Mount Filters

For residential inground or aboveground swimming pools requiring turnover through 54,000 gallons, at flow rates up to 20 GPM for 8 to 10 hours. Permanent media high rate sand filters in 16 in., 19 in., 22 in., 24 in. and 26 in. diameter models accommodate large and small pools, offering a combination of performance, durability and ease of maintenance. Corrosion-resistant, one-piece, extra-thick molded polyethylene tank assures long service life. Top-mounted, corrosion-resistant multiport selector valve included. Also includes a convenient tank winterizing drain and continuous air relief system.

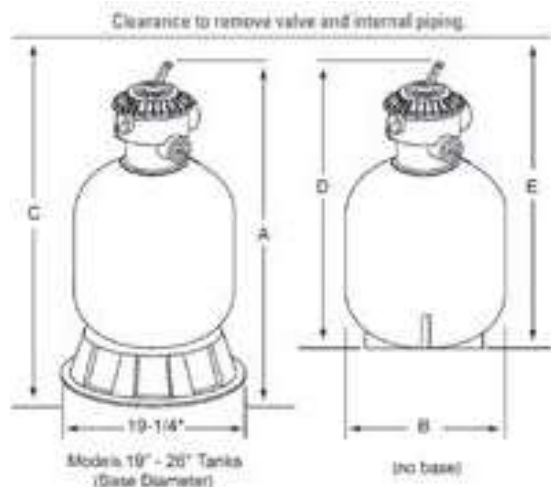
*Max Operating Temp 95°F

Ordering Information

Product	Effective Filtration Area (Sq. Ft.)	Max. Pressure (PSI)	Flow Rate (GPM)	Turnover Capacity (In Gallons)			All Sand Required (Lbs.)	Carton Qty.	Carton Wt. (Lbs.)
				8 Hour	10 Hour	12 Hour			
CRISTAL-FLO II FILTERS									
145359	1.4	30	35	16,800	21,000	25,200	100	1	22
145360	1.8	35	40	19,200	24,000	28,800	150	1	24
145361	2.3	40	60	28,800	36,000	43,200	250	1	28
145362	3.15	50	70	33,600	42,000	54,000	300	1	58
145363	3.5	50	75	36,000	45,000	54,000	350	1	76
145387*	3.5	50	75	36,000	45,000	54,000	350	1	76

* with 2 in. valve

Dimensions and Performance



DIMENSION TABLE

Model	A DIM.	B DIM.	C DIM.	D DIM.	E DIM.
145359	33-1/2 in.	16-1/2 in.	37 in.	30-3/4 in.	34-1/4 in.
145360	37-3/4 in.	19-1/2 in.	46-1/4 in.	35 in.	43-1/2 in.
145361	43-3/4 in.	22-1/2 in.	52-1/2 in.	40-3/4 in.	49-1/4 in.
145362	46-1/4 in.	24 in.	57 in.	43-1/4 in.	53-3/4 in.
145363	48-3/4 in.	26 in.	65-3/4 in.	45-5/8 in.	62-1/2 in.
145387	48-3/4 in.	26 in.	65-3/4 in.	45-5/8 in.	62-1/2 in.

* Integrated continuous High Flow internal air relief is operational only when there is unobstructed flow in the circulating system.

SYSTEM:3® SAND FILTERS

SS SERIES FILTERS



TRADEGRADE



System:3 Sand Filters
SS Series

Featured Highlights

- **Quality Construction** – Durable one-piece extra-thick molded polyethylene tank
- **Typical Installations** – Inground pools, inground hot tubs, and water features
- **Quality Construction** – Durable two-piece tank housing constructed of Dura-Glas™, Sta-Rite's industry leading glass-reinforced composite resin
- **Innovative Design** – The innovative design of the System 3 tank combined with the lateral/hub assembly produces a balanced flow of water and deeper sand bed penetration
- **Low Maintenance** – The deep sand bed holds more dirt, resulting in longer filter cycles and less cleaning
- **Dual Drain Plugs** – Side plug helps make sand removal easy, while the bottom plug comes with integral screen for easy draining without the loss of sand
- **Sleek Looks** – Contemporary style and matte black finish looks attractive in any pool setting

System 3 brings you the proven performance of Sta-Rite's sophisticated sand filter hydraulics in an easier-to-operate filter. Highly efficient, its sophisticated design yields a uniform flow pattern through a deeper sand bed. Modular filter tanks allows for quick change of filter medias without changing the tank. Contemporary style and matte black finish looks attractive in any pool setting.

Ordering Information

Product	Filter Area (Sq. Ft.)	Flow Rated ¹ at 15–20 GPM (per Sq. Ft.)	Turnover Capacity (Gallons) (Flow Rate x 60 x Hours)			Tank Port Size	Sand ² Required (Lbs.)	Carton Wt. (Lbs.)
			6 Hour	8 Hour	10 Hour			
SYSTEM :3 SAND FILTERS - SS SERIES								
S7S50	2.4	36–48	13–17,000	17–23,000	22–29,000	2 in.	200	103
S8S70	3.4	51–68	18–25,000	25–33,000	31–41,000	2 in.	300	121
SS SERIES VALVE OPTIONS ³								
18202-0150	ABS 6-Position Valve with Union Connections – 1-1/2 in. Valve Port							5
18201-0200	ABS 6-Position Valve with Union Connections – 2 in. Valve Port							8
263053	VLV Push Pull, 7.81 in. center							4
262508	FullFloXF for System 3 D.E. and Sand, inlet on bottom, with Sta-Rite offset adapters glued on							10
ACCESSORIES FOR SS SERIES								
25021-2021	Sand Conversion Kit – S7S50 - Collector Assembly and Valve Sold Separately (new valve may be required)							5
25021-2025	Sand Conversion Kit – S8S70 - Collector Assembly and Valve Sold Separately (new valve may be required)							6

¹ Based on NSF recommended flow rate for commercial at 15–20 GPM per square foot.

² Use only #20 white quartz silica sand, size range 0.40–0.55 mm; 12 in. to 15 in. sand bed depth required.

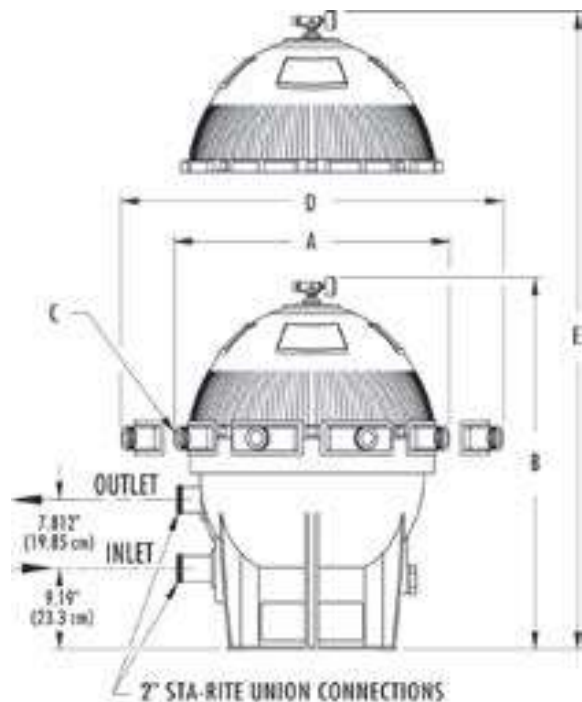
³ Valves must be purchased separately.

Note: Operating Limits – maximum continual operating pressure of 50 PSI. Pool/Spa (bather) applications, maximum water temperature (internal filter) 104°F (40°C).

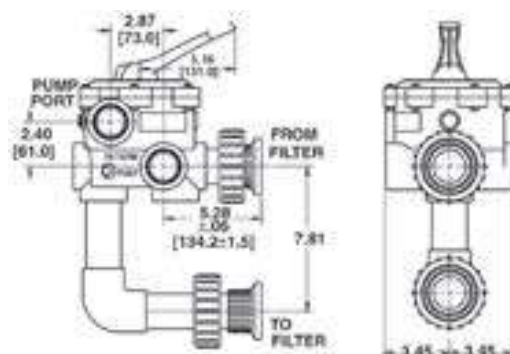
SYSTEM:3® SAND FILTERS (CONT'D)

SS SERIES FILTERS

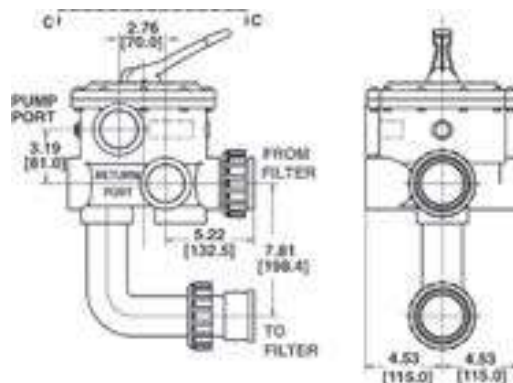
Dimensions and Performance



18202-0150
1-1/2 in. MULTIPORT VALVE



18201-0200
2 in. MULTIPORT VALVE



Catalog Number	DIMENSION				
	A	B	C	D	E
S7S50	28-1/2	42	7	36	50
S8S70	32-1/2	42-1/4	8	40	50

A = width

B = height

C = number of clamps

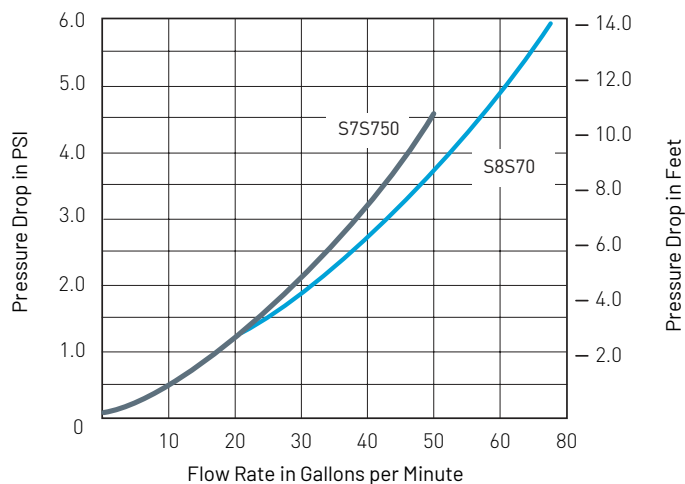
D = area (width) needed to take off clamps

E = area (height) needed to remove top half of tank

All dimensions shown in inches.

**Certified to
NSF/ANSI Standard 50**

All dimensions shown in inches.



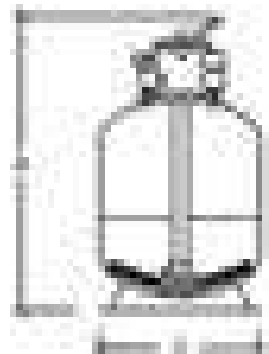
PWT TOP MOUNT FILTERS

FIBERGLASS TANK WITH MULTIPORT VALVE



Featured Highlights

- Combination of sand and water drain plug speeds servicing and winterizing
- High-quality filter tanks are made of fiberglass reinforced polyester material.
- All internal parts are threaded for ease of maintenance
- Swing-away water diffuser allows instant access to sand and all internal parts
- Maximum working pressure of 2.5 bar



Ordering Information

Product	Recommended flow rate m3/h	Filter area m2	Valve Size	A Dim. mm	C Dim. mm	Filter Sand KG
PWT-SR-19-TM-1.5	8	0.2	1.5"	920	500	75
PWT-SR-24-TM-1.5	11.6	0.29	1.5"	1000	610	150
PWT-SR-30-TM-2	17.6	0.44	2"	1090	750	250
PWT-SR-36-TM-2	21.6	0.63	2"	1170	900	400
PWT-SR-36-TM-2.5	25.2	0.63	2.5"	1210	900	400
PWT-SR-42-TM-2.5	35.6	0.89	2.5"	1400	1070	600
PWT-SR-48-TM-2.5	38.7	1.13	2.5"	1560	1200	750

*Recommended flow rates are typically rated at 40m3/h/m2 filtration rate

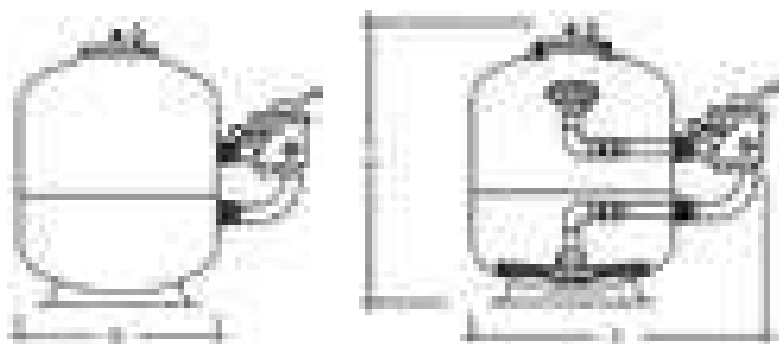
*Maximum flow rates can be estimated at 50m3/h/m2 filtration rate.

PWT SIDE MOUNT FILTERS

FIBERGLASS TANK WITH MULTIPORT VALVE

Featured Highlights

- Combination of sand and water drain plug speeds servicing and winterizing
- High-quality filter tanks are made of fiberglass reinforced polyester material.
- All internal parts are threaded for ease of maintenance
- Swing-away water diffuser allows instant access to sand and all internal parts
- Maximum working pressure of 2.5 bar



Ordering Information

Product	Recommended flow rate m3/h	Filter area m2	Valve Size	A Dim. mm	B Dim. mm	C Dim. mm	Filter Sand KG
PWT-SR-24-SM-1.5	11.6	0.29	1.5"	880	890	610	150
PWT-SR-30-SM-2	17.6	0.44	2"	940	1030	750	250
PWT-SR-36-SM-2	21.6	0.63	2"	1030	1230	900	400
PWT-SR-36-SM-2.5	25.2	0.63	2.5"	1030	1420	900	400
PWT-SR-42-SM-2.5	35.6	0.89	2.5"	1220	1590	1070	600
PWT-SR-48-SM-2.5	38.7	1.13	2.5"	1400	1710	1200	750

*Recommended flow rates are typically rated at 40m3/h/m2 filtration rate

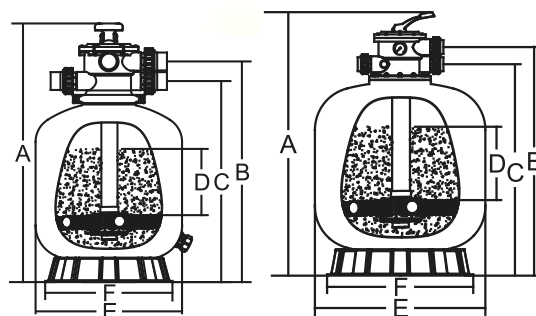
*Maximum flow rates can be estimated at 50m3/h/m2 filtration rate.

SR-V RESIDENTIAL AND COMMERCIAL FILTERS



Featured Highlights

- Bobbin-Wound Fiberglass Tank.
- Bobbin-wound reinforced fiberglass tank
- UV-resistant surface finish
- Six-position stainless steel clamp valve
- Max. operating pressure: 2.5bar (36psi). Models from SR-V900-20 and up are available in 4bar upon request
- Max. temperature of 43°C (109°F)
- Suggested media sizes: 0.5-0.8mm sand



SR-V350-15 ~ SR-V700-15

SR-V700-20 ~ SR-V1400-25

Ordering Information

Product	Filter Area	Valve Connections		Flow Rate		Sand	Product Dimensions					
	m ²	inch	mm	lpm	m ³ /h		A mm	B mm	C mm	D mm	E mm	F mm
SR-V350-15	0.09	1.5	50	72	4.32	20	726	619	550	160	355	298
SR-V400-15	0.13	1.5	50	108	6.48	35	757	640	590	175	410	390
SR-V450-15	0.16	1.5	50	135	8.10	45	814	698	638	210	455	390
SR-V500-15	0.22	1.5	50	185	11.10	85	845	730	670	235	535	500
SR-V650-15	0.32	1.5	50	260	15.60	145	950	815	775	300	635	500
SR-V650-20	0.32	2.0	50	267	16.00	145	957	835	731	300	635	500
SR-V700-15	0.40	1.5	50	325	19.50	210	1020	905	845	330	710	500
SR-V700-20	0.41	2.0	63	336	20.16	215	1092	960	877	390	723	500
SR-V800-20	0.50	2.0	63	415	24.90	355	1200	1085	1002	425	800	780
SR-V900-20	0.64	2.0	63	520	31.20	470	1300	1172	1090	480	900	780
SR-V900-25	0.64	2.5	75	533	32.00	470	1334	1242	990	480	900	780
SR-V1000-20	0.79	2.0	63	650	39.00	620	1400	1340	1260	580	1000	780
SR-V1000-25	0.79	2.5	75	658	39.50	620	1434	1410	1160	580	1000	780
SR-V1200-20	1.13	2.0	63	860	51.60	860	1600	1550	1468	740	1200	1000
SR-V1200-25	1.13	2.5	75	941	56.50	860	1634	1620	1368	740	1200	1000
SR-V1400-25	1.54	2.5	75	1155	69.30	1400	1845	1683	1586	750	1400	1000

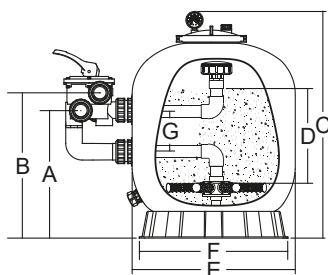
*Filters with 4bar max operating pressure can be ordered from 800mm diameter and up.
Please contact your sales representative for more information

SR-S SIDE MOUNT SAND FILTERS

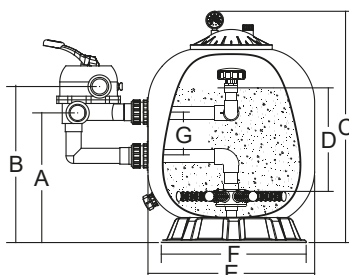


Featured Highlights

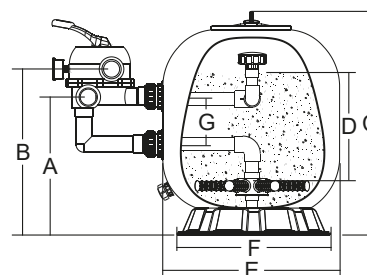
- Bobbin-wound reinforced fiberglass tank.
- UV-resistant surface finish.
- Six-position multiport valve.
- Standard sizes from 450mm to 1200mm.
- Max. Operating Pressure: 2.5bar (36psi). Models from SR-S800-20 and up are available in 4bar (56psi) upon request.
- Max Temperature of 43°C (109°F).
- Suggested Size of Media: 0.5-0.8mm.



SR-S450-15 ~ SR-S700-15



SR-S700-20 ~ SR-S900-25



SR-S1000-20 ~ SR-S1200-20

Ordering Information

Product Model	Filter Area	Valve Connections		Flow Rate		Sand	Product Dimensions						
	m ²	inch	mm	lpm	m ³ / h	kg	A mm	B mm	C mm	D mm	E mm	F mm	G mm
SR-S450-15	0.16	1.5	50	135	8.1	45	360	420	730	210	455	390	125
SR-S500-15	0.22	1.5	50	185	11.1	85	390	450	770	235	535	500	125
SR-S650-15	0.32	1.5	50	260	15.6	145	430	490	850	300	635	500	125
SR-S700-15	0.40	1.5	50	325	19.5	210	450	510	960	330	710	500	125
SR-S700-20	0.41	2.0	63	336	20.16	215	520	606	890	390	723	500	220
SR-S800-20	0.53	2.0	63	435	24.1	355	560	646	1050	425	820	780	220
SR-S900-20	0.66	2.0	63	495	29.7	470	610	696	1180	480	920	780	220
SR-S900-25	0.66	2.5	75	550	33	470	673	744	1180	380	920	780	236
SR-S1000-20	0.82	2.0	63	670	40.2	620	700	770	1220	580	1020	780	220
SR-S1000-25	0.82	2.5	75	683	41	620	773	844	1220	480	1020	780	236
SR-S1200-20	1.17	2.0	63	880	52.8	860	820	1005	1410	740	1220	1000	220
SR-S1200-25	1.17	2.5	75	975	58.5	860	836	1079	1410	640	1220	1000	236

*Filters with 4bar max operating pressure can be ordered from 800mm diameter and up.
Please contact your sales representative for more information

TRITON® HD SIDE MOUNT FILTERS

HEAVY-DUTY FIBERGLASS SAND FILTER WITHOUT VALVES

TRADEGRADE



Triton HD Filter
(Unions not included)

Featured Highlights

Maximum Operating Pressure 75 psi

All the same great performance and features of the original Triton filter with maximum operating pressure of 75 psi for those special high pressure installations such as single pump in-floor cleaning systems.

Ordering Information

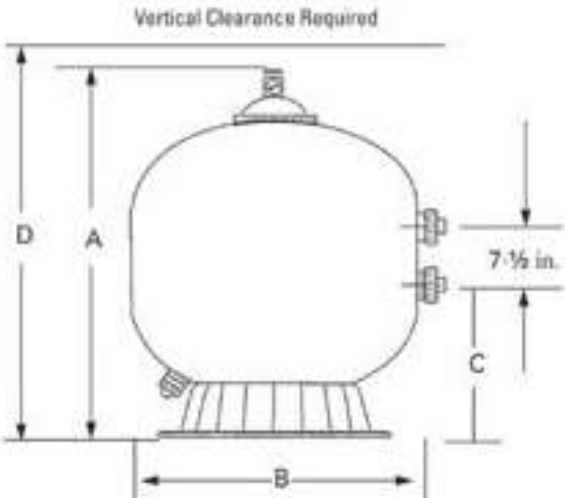
Product	Model	Effective Filtration Area (Sq. Ft.)	Flow Rate (GPM Comm)	Turnover Capacity (In Gallons)			Filter Media		All Sand Req'd (Lbs.)	Carton Wt. (Lbs.)
				8 Hour	10 Hour	12 Hour	Pea Gravel Required (Lbs.)	Sand Required (Lbs.)		
TRITON HD SAND FILTER										
140335	TR100 HD	4.91	74	35,520	44,400	53,280	150	450	600	66
TRITON HD VALVE OPTIONS ¹										
263079	2 in. PVC slide valve w/o plumbing, for D.E. & sand filters									3
261049	2 in. HiFlow valve, no plumbing									7
261050	2 in. HiFlow valve w/ plumbing, for sand filters									11
261055	2 in. MPV for sand filters (SM 20-3)									10
261173	1-1/2 in. MPV, for sand filters (SM 10-3)									6
263064	Push Pull 7-1/2 in. Center Valve, Almond ABS									5
263080	FullFloXF Valve for Sand, inlet port on top, Pentair 2 in. unions glued on XF Valve									

¹ Valves must be purchased separately.

Dimensions and Performance

Certified to
NSF/ANSI Standard 50

DIMENSION TABLE				
MODEL	A DIM.	B DIM.	C DIM.	D DIM.
TR100 HD	25 1/4 in.	30 1/4 in.	16 1/4 in.	41 1/4 in.



TRITON® C AND TRITON C-3

HIGH CAPACITY FIBERGLASS SIDE MOUNT SAND FILTER WITHOUT VALVES

Featured Highlights

- Maximum Operating Pressure 50 psi
- Full 2 in. Drain
- 8 in. opening for easy access to sand bed
- The Triton C-3 features standard 3 in. flange connections
- TR 100C-3 & TR 140C-3 models are available in black only



TR 140C-3

TR 100 C

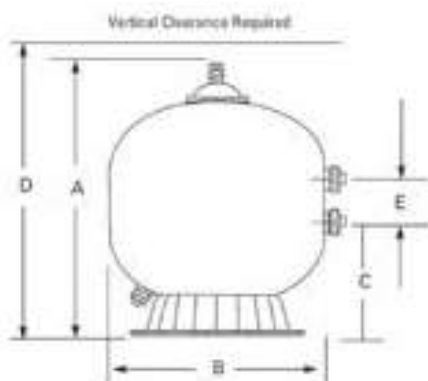
This filter series features multiple diverters for increased filtration rates in commercial applications up to 20 GPM/sq. ft.

Ordering Information

Product	Model	Effective Filtration Area (Sq. Ft.)	Flow Rate	Turnover Capacity (In Gal.) ²			Filter Media		All Sand Req'd (Lbs.)	Ctn Qty.	Ctn Wt. (Lbs.)
				6 Hour	8 Hour	10 Hour	Pea Gravel Req'd (Lbs.)	Sand Req'd (Lbs.)			
TRITON C SAND FILTERS											
140315	TR 100C- Almond	4.91	98	35,280	47,040	58,800	150	450	600	1	70
140316	TR 140C- Almond	7.06	141	50,760	67,680	84,600	275	650	925	1	82
TRITON C-3 SAND FILTERS											
140310	TR 100C-3-Black only	4.91	98	35,280	47,040	58,800	150	450	600	1	65
140342	TR 140C-3-Black only	7.06	141	50,760	67,680	84,600	275	650	925	1	82
TRITON C VALVE OPTIONS ¹											
261050	2 in. HiFlow w/ plumbing, for sand filters 1 11									1	11
261055	2 in. MPV, for sand filters (SM 20-3)									1	10
263010	Full-Flow valve, sand filters (will only work on the TR100C and TR140C models)									1	7
263080	FullFloXF Valve for Sand, inlet port on top, Pentair 2 in. unions glued on XF Valve										

¹ Valves must be purchased separately.

² Based on 20 gpm per sq. ft. Tanks are NSF/ANSI 50 approved for 5-20 gpm/sq.ft.

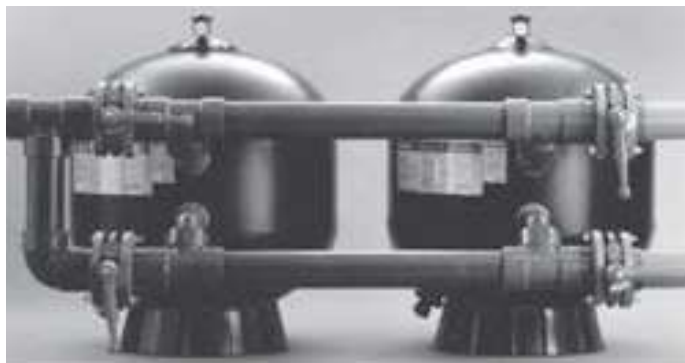


Dimensions and Performance

**Certified to
NSF/ANSI Standard 50**

DIMENSION TABLE					
MODEL	A DIM	B DIM	C DIM	D DIM	E DIM
TR 100 C	35 3/16 in.	30 1/2 in.	18 1/2 in.	43 5/8 in.	2 1/2 in.
TR 140 C	45 1/4 in.	36 1/2 in.	18 1/4 in.	48 5/8 in.	2 1/2 in.
TR 100 C-3	35 3/16 in.	30 1/2 in.	18 1/16 in.	43 5/8 in.	2.72 in.
TR 140 C-3	45 1/4 in.	36 1/2 in.	18 1/4 in.	48 5/8 in.	2.72 in.

SCH 40 & 80 FOR TR100C, TR140C, TR100C-3 & TR140C-3 TANDEM FILTER PIPING KITS FOR 2 & 3 IN. FILTERS



Tandem Filter Piping Kits for Triton TR100C, TR140C, TR100C-3 and TR140C-3 Sand Filters

These Tandem Filter Piping Kits are designed specifically for use with the Triton® TR100C, TR140C, Triton TR100C-3 and TR140C-3 Sand Filters to make the best even better.

We are providing this additional service for your convenient one-stop shopping. Pipe and filters are all you need.

Pipe is not included in kits.

Ordering Information

Product	Model
For Plumbing Two TR100C or TR140C Filters	
146400	3 in. Two filter kit, SCH 40 (200 GPM)
146402	14 in. Two filter kit, SCH 40 (300 GPM)
146404	6 in. Two filter kit, SCH 40 (700 GPM)
146403	4 in. Two filter kit, SCH 80 (300 GPM)
146405	6 in. Two filter kit, SCH 80 (700 GPM)
For Plumbing Two TR100C-3 or TR140C-3 Filters	
147400	3 in. Two filter kit, SCH 40 (200 GPM)
147402	4 in. Two filter kit, SCH 40 (300 GPM)
147404	6 in. Two filter kit, SCH 40 (700 GPM)
147401	3 in. Two filter kit, SCH 80 (200 GPM)
147403	4 in. Two filter kit, SCH 80 (300 GPM)
147405	6 in. Two filter kit, SCH 80 (700 GPM)

Note: All kits include hardware, fittings, gaskets and butterfly valves.

Product	Model
Add Kits for TR100C and TR140C Filters	
146406	4 in. Single filter kit, SCH 40
146408	6 in. Single filter kit, SCH 40
146407	4 in. Single filter kit, SCH 80
146409	6 in. Single filter kit, SCH 80
Add Kits for TR100C-3 and TR140C-3 Filters	
147406	4 in. Single filter kit, SCH 40
147408	6 in. Single filter kit, SCH 40
147407	4 in. Single filter kit, SCH 80
147409	6 in. Single filter kit, SCH 80

Note: All kits include hardware, fittings, gaskets.

Filters	Filter Area Sq. Ft.	Manifold Pipe Dia.	Filter Rate Sq. Ft.		Turnover Capacity		
			15 GPM	20 GPM	6 Hours	8 Hours	10 Hours
TANDEM TRITON 140C FILTER INSTALLATION							
6 TR 140's	42.36	6 in.	635	—	228,600	304,800	381,000
		8 in.	—	847	304,920	406,560	508,200
7 TR 140's	49.42	6 in.	741	—	266,760	355,680	444,600
		8 in.	—	988	355,680	474,240	592,800
8 TR 140's	56.48	8 in.	847	—	304,920	406,560	508,200
		8 in.	—	1130	406,800	542,400	678,000

SCH 40 & 80 FOR TR100C, TR140C, TR100C-3 & TR140C-3 (CONT'D) TANDEM FILTER PIPING KITS FOR 2 & 3 IN. FILTERS

Filters	Filter Area Sq. Ft.	Manifold Pipe Dia.	Filter Rate Sq. Ft.		Turnover Capacity		
			15 GPM	20 GPM	6 Hours	8 Hours	10 Hours
TANDEM TRITON TR100C AND TR100C-3 FILTER INSTALLATION							
2 TR 100's	9.82	3 in.	147	—	52,920	70,560	88,200
		4 in.	—	196	70,560	94,080	117,600
3 TR 100's	14.73	4 in.	221	—	79,560	106,080	132,600
		4 in.	—	295	106,200	141,600	177,000
4 TR 100's	19.64	4 in.	295	—	106,200	141,600	177,000
		5 in.	—	393	141,480	188,640	235,800
5 TR 100's	24.55	5 in.	368	—	132,480	176,640	220,800
		5 in.	—	491	176,760	235,680	294,600
TANDEM TRITON TR140C AND TR140C-3 FILTER INSTALLATION							
2 TR 140's	14.12	4 in.	212	—	76,320	101,760	127,200
		4 in.	—	282	101,520	135,360	169,200
3 TR 140's	21.18	4 in.	318	—	114,480	152,640	190,800
		5 in.	—	424	152,640	203,520	254,400
4 TR 140's	28.24	5 in.	424	—	152,640	203,520	254,400
		6 in.	—	565	203,040	270,720	338,400
5 TR 140's	35.30	5 in.	530	—	190,800	254,400	318,000
		6 in.	—	706	254,160	338,880	423,600

Dimensions and Performance

Two Filter System	A	B	C	D	E	F	G	H	I	J	K	Total Wt.
3 in.-TR100C	82-3/8 in.	17-15/16 in.	48 in. min.	18 in. min.	39-3/4 in.	15 in.	29-33/64 in.	8-5/8 in.	11-1/32 in.	51-13/16 in.	—	2300 lbs.
3 in.-TR140C	88-3/8 in.	17-15/16 in.	54 in. min.	18 in. min.	45-1/4 in.	18 in.	32-33/64 in.	8-5/8 in.	13-15/32 in.	57-13/16 in.	—	3200 lbs.
4 in.-TR140C	95-3/4 in.	19-35/64 in.	54 in. min.	18 in. min.	45-1/2 in.	18 in.	33-1/8 in.	9-15/16 in.	12-21/32 in.	59-11/64 in.	—	2300 lbs.
6 in.-TR140C	*111-3/4 in.	24-7/32 in.	54 in. min.	18 in. min.	45-1/2 in.	18 in.	35-3/8 in.	12-13/16 in.	10-21/64 in.	64-13/32 in.	64-53/64 in.	3550 lbs.

* 6 in. piping needs to be rotated upward as shown at 25° so handle will clear the floor.

FIGURE 4A

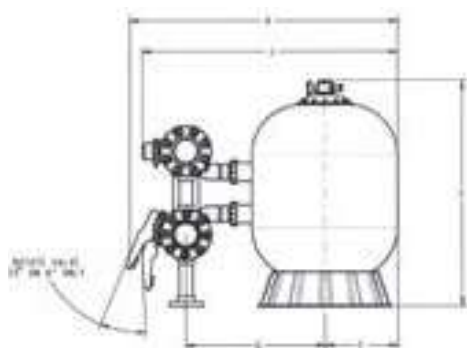
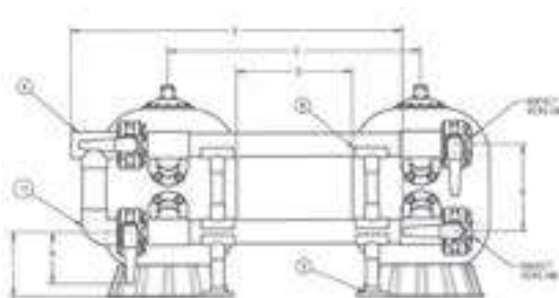


FIGURE 4B



PWT-NL COMMERCIAL FILTER

FIBREGLASS TANK WITH SIDE-MOUNT FLANGES



Featured Highlights

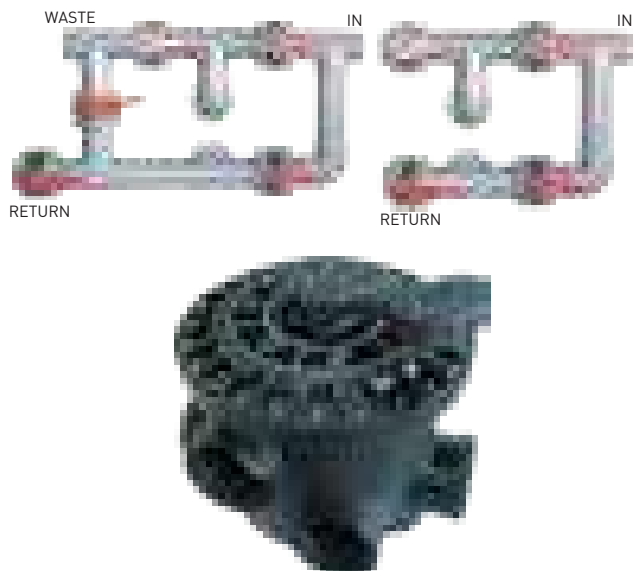
- Bobbin-Wound Fiberglass Tank.
- UV-resistant surface finish
- Sizes from 1200mm to 2500mm
- Max. Operating Pressure: 2.5bar (36psi) or 4.0bar (56psi)
- Max Temperature of 43°C (109°F)
- Suggested media sizes: 0.5-0.8mm sand and 1-2mm gravel
- Manometer, union drain, sightglass and air purge included.
- Optional accessories: manhole.

Ordering Information

Model 250kPa (Laterals / Nozzles)	Model 400kPa (Laterals / Nozzles)	Product	Effective Filter Area (m ²)	Valve Conn. (in.)	Max Flow Rate (m ³ /hr)	Sand Req'd (kg)	Gravel Req'd (kg)	Gross Wt. (kg)
SIDE-MOUNT FLANGED FILTERS								
PWT-NL-12-25L	PWT-NL-12-40L	Side-Mount Flanged Filter 12m dia.	1.11	3"	55	900	300	114
PWT-NL-14-25L	PWT-NL-14-40L	Side-Mount Flanged Filter 14m dia.	1.54	4"	77	1350	450	195
PWT-NL-16-25L	PWT-NL-16-40L	Side-Mount Flanged Filter 16m dia.	2.06	4"	102	2300	700	234
PWT-NL-18-25L	PWT-NL-18-40L	Side-Mount Flanged Filter 18m dia.	2.52	6"	125	2900	900	362
PWT-NL-20-25L	PWT-NL-20-40L	Side-Mount Flanged Filter 2.0m dia.	2.97	6"	147	4000	1100	390
PWT-NL-22-25L	PWT-NL-22-40L	Side-Mount Flanged Filter 2.0m dia	3.80	8"	190	5460	1440	440
PWT-NL-23-25L	PWT-NL-23-40L	Side-Mount Flanged Filter 2.3m dia.	4.43	8"	219	6000	1600	489
PWT-NL-25-25L	PWT-NL-25-40L	Side-Mount Flanged Filter 2.5m dia.	4.89	8"	240	6700	1800	552

PWT-NL COMMERCIAL FILTER

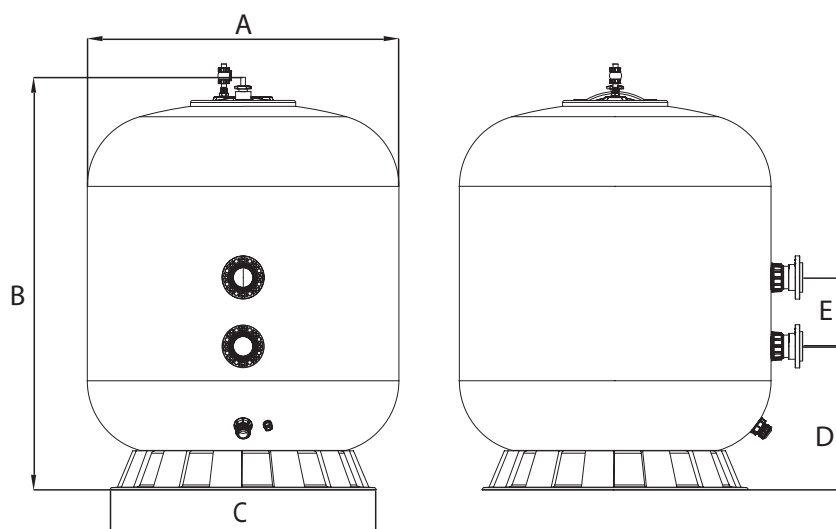
FIBREGLASS TANK WITH SIDE-MOUNT FLANGES



Product	Description
Multiport Valves for NL and K Series Filters	
PWT-NBV-30-4	4-Way Butterfly Valve 3" Ports
PWT-NBV-40-4	4-Way Butterfly Valve 4" Ports
PWT-NBV-60-4	4-Way Butterfly Valve 6" Ports
PWT-NBV-80-4	4-Way Butterfly Valve 8" Ports
PWT-NBV-30-5	5-Way Butterfly Valve 3" Ports
PWT-NBV-40-5	5-Way Butterfly Valve 4" Ports
PWT-NBV-60-5	5-Way Butterfly Valve 6" Ports
PWT-NBV-80-5	5-Way Butterfly Valve 8" Ports
PWT-MPV-30-6	6-Way Multiport Valve 3" Ports
PWT-MPV-40-6	6-Way Multiport Valve 4" Ports
PWT-MPV-30-6P	6-Way Multiport Valve 3" Ports, (with piping)
PWT-MPV-40-6P	6-Way Multiport Valve 4" Ports, (with piping)

Dimensions

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
SIDE-MOUNT FLANGED FILTERS					
PWT-NL-12	1190	1410	1000	565	350
PWT-NL-14	1400	1570	1220	565	350
PWT-NL-16	1620	1740	1365	650	350
PWT-NL-18	1790	2040	1630	690	415
PWT-NL-20	1945	2210	1630	770	415
PWT-NL-22	2200	2300	1800	885	480
PWT-NL-23	2375	2510	1800	950	550
PWT-NL-25	2495	2670	1800	1050	550



*All dimensions in mm .

THS SERIES® HORIZONTAL SAND FILTER



THS Series Horizontal Sand Filter

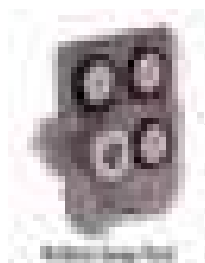
Featured Highlights

- Five sizes to 27 sq. ft.
- Manway in front for easier access and smaller footprint
- Manway with viewport available as option
- 6 in. flanged connections, 4 in. victaulic on the THS Series 3461
- Optional manual, semi-automatic, and automatic backwash systems for one and two tank systems
- Two backwash controllers to choose from
- Influent manifold distribution to prevent clogging
- NSF approved from 5–20 gpm/sq. ft.

The THS Series Filter is an NSF-approved 50 psi rated tank with flow rates up to 535 gallons per minute. The filter shell is manufactured from a lasting composite laminate design that makes winding unnecessary. Paracote®, a waterbased, coating, provides remarkable surface protection.

Ordering Information

Product	Model	Description	Effective Filtration Area (Sq. Ft.)	Flow Rate (15 GPM/ Sq. Ft.)	6 Hour Turnover Capacity (In Gallons)	Filter Media		All Sand Required (Lbs.)	Carton Wt. (Lbs.)
						Pea Gravel Required (Lbs.)	Sand Required (Lbs.)		
THS SERIES HORIZONTAL FILTER									
143461	THS3461	THS 34 in. x 61 in.	13.5	203	73,080	300	1250	1550	550
143484	THS3484	THS 34 in. x 84 in.	19.0	285	102,600	600	1350	1950	610
144272	THS4272	THS 42 in. x 72 in.	19.7	295	106,200	500	2100	2600	650
144284	THS4284	THS 42 in. x 84 in.	23.2	348	125,280	600	2400	3000	725
144296	THS4296	THS 42 in. x 96 in.	26.7	400	144,000	700	2800	3500	800
CONTROLLERS(MUST USE WITH DIAPHRAGM VALVES MANIFOLD KITS)									
156400	Single THS manual controller 6 in. FP				156850	Single THS CA100 autobackwash controller			
156450	Dual THS manual controller 6 in. FP				CS400-01	CS400 backwash controller for single tank system			
156800	Dual THS CA100 autobackwash controller				CS400-02	CS400 backwash controller for dual tank system			



CM200 Manual Backwash Controller

This is the simplest option. No electronics or programming required. Simply turn the knob to backwash each tank in the system.



CS 400 Commercial Backwash Controller

This controller is programmable and controls every aspect of the backwash cycle once initiated. Backwash can be initiated three ways: by an operator with the touch of a button, by a signal from a master controller (such as the AK600), or by a signal from an optional differential pressure switch (CS400-DP). Stored backwash data and history, alarms, and calculated backwash cycle times are also features of the CS400 controller, as are relays for communication with the heater, pump and Acu Drive.



CA 100 Fully Automatic Backwash Controller

This is the most comprehensive backwash controller and can be readily reprogrammed to initiate backwash automatically based on differential pressure (integral pressure transducers are standard), time (internal seven-day clock with battery back-up is standard), flow (with optional flow sensor), or any combination of the above. The controller has real-time display of operation mode, filter flow rate, and water temperature (with optional temperature probe). Also, includes Energy Saver Mode for simple On/Off pump scheduling and various interlocks and relays to communicate with other equipment (pump, heater, Acu Drive).

THS SERIES® HORIZONTAL SAND FILTER (CONT'D)

MANIFOLD KITS ⁷	
155700	THS single tank manifold kit with butterfly valves ³
155720	THS dual tank manifold kit with butterfly valves ³
155701	THS single tank 6 in. FP kit with diaphragm valves ⁶
155721	THS dual 34 x 84 in. 6 in. FP kit with diaphragm valves ⁶
155730	THS dual 42 in. dia. 6 in FP Kit with diaphragm valves ⁶
MANIFOLD KITS FOR THS 34 X 61 ONLY ⁷	
155702	Kit-THS3461, single tank manifold, with butterfly valve kit ³
155722	Kit-THS3461, dual tank manifold, with butterfly valve kit ³
155703	Kit-THS3461, single tank manifold, with diaphragm valve kit ⁶
155723	Kit-THS3461, dual tank manifold, with diaphragm valve kit ⁶

ACCESSORIES	
140325	Adder kit for third THS Filter ²
156100	Temperature probe kit ⁴
156150	Flowmeter saddle kit 6 in. ⁴
155800	WA-KIT wedge anchor kit ¹
155705	Manway with Viewport upgrade - at time of purchase
155706	Manway with Viewport Retrofit Kit - replace existing in field
CS400DP	Mounted differential pressure switch ⁵
B4110	120v to 24v 100w transformer
B4221KIT	Gauge Panel Kit Influent/Effluent gauge

¹One each per tank purchased if required.

²Adder Kit provides 6 in., SCH 80 manifold piping, fittings and hardware for the addition of a third THS Series filter of equal diameter only when #155720 Dual-Filter Butterfly Valve Face Piping Kit is used. Note: Using a 6 in. Schedule 80 plumbing kit with flows in excess of 812 GPM exceeds the maximum water velocity recommended in ANSI/NSPI-1 2003 Standard for Public Swimming Pools. For higher flows, summary calculations should be provided to show that the greater flow is possible with the pump and piping provided.

³Does not require a purchase of a controller.

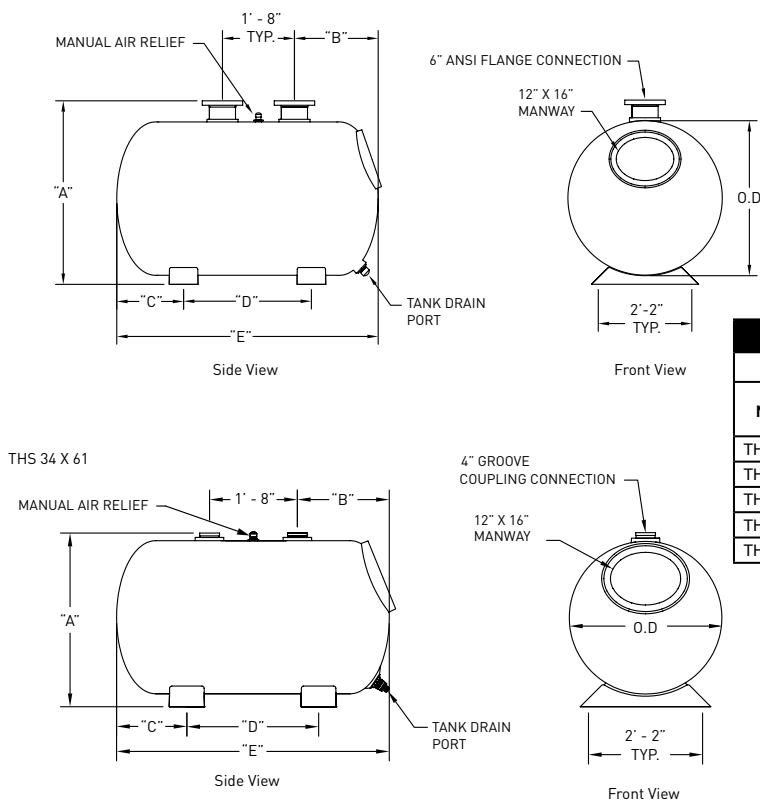
⁴Only used with CA100 controller option.

⁵Only available with CS400 controller.

⁶Does require a purchase of a controller.

⁷Does not include THS Tanks.

Dimensions and Performance



Certified to
NSF/ANSI Standard 50

THS SERIES SPECIFICATION CHART							
Model	Tank Dimensions						WT
	"A" in.	"B" in.	"C" in.	"D" in.	"E" in.	"O.D." in.	
THS3461	39-1/2	21	16	30	62	35	550
THS3484	45	21-1/4	24-5/8	35-1/4	85	35	610
THS4272	52-1/4	23-1/4	18-7/8	35-1/4	73	43	650
THS4284	52-1/4	23-1/4	24-7/8	35-1/4	85	43	725
THS4296	52-1/4	23-1/4	30-7/8	35-1/4	97	43	800

NSF/ANSI 50 approved for 5-20 gpm/sq.ft.

PWT-H COMMERCIAL FILTER

HORIZONTAL FIBREGLASS TANK WITH SIDE FLANGES



Featured Highlights

- Spun-woven, UV resistant fiberglass construction for exceptional strength, chemical resistance and long life.
- Max Operating Pressure 250kPa or 400kPa.
- Even spreads of laterals.
- 4" Sight Glass.
- Manhole for servicing.
- Union Drain.
- Air vent valve.
- In-built Manometer.

The Pentair Horizontal Filters are suitable for high demand in filtration surface area, especially for commercial purposes. With long life and minimal servicing. Suitable for large scale water features, aquarium and commercial pool.

Ordering Information

Model (250kPa)	Model (400 kPa)	Product	Effective Filter Area (m ²)	Valve Conn.	Max Flow Rate (m ³ / hr)	Gravel 1-2mm (kg)	Sand 0.5-0.8mm (kg)
HORIZONTAL FILTERS 1.2M DIAMETER 0.6M SAND BED DEPTH							
PWT-H-12-19-4-25	PWT-H-12-19-4-40	Horizontal Fibreglass Filter 1.2m x 1.9m (4")	1.96	4"	39	425	1100
PWT-H-12-19-6-25	PWT-H-12-19-6-40	Horizontal Fibreglass Filter 1.2m x 1.9m (6")	1.96	6"	79	425	1100
PWT-H-12-23-4-25	PWT-H-12-23-4-40	Horizontal Fibreglass Filter 1.2m x 2.3m (4")	2.42	4"	48	550	1425
PWT-H-12-23-6-25	PWT-H-12-23-6-40	Horizontal Fibreglass Filter 1.2m x 2.3m (6")	2.42	6"	97	550	1425
PWT-H-12-25-4-25	PWT-H-12-25-4-40	Horizontal Fibreglass Filter 1.2m x 2.5m (4")	2.65	4"	53	700	1750
PWT-H-12-25-6-25	PWT-H-12-25-6-40	Horizontal Fibreglass Filter 1.2m x 2.5m (6")	2.65	6"	107	700	1750
PWT-H-12-27-4-25	PWT-H-12-27-4-40	Horizontal Fibreglass Filter 1.2m x 2.7m (4")	2.87	4"	57	825	2075
PWT-H-12-27-6-25	PWT-H-12-27-6-40	Horizontal Fibreglass Filter 1.2m x 2.7m (6")	2.87	6"	115	825	2075
PWT-H-12-30-4-25	PWT-H-12-30-4-40	Horizontal Fibreglass Filter 1.2m x 3.0m (4")	3.21	4"	64	925	2325
PWT-H-12-30-6-25	PWT-H-12-30-6-40	Horizontal Fibreglass Filter 1.2m x 3.0m (6")	3.21	6"	129	925	2325

PWT-H COMMERCIAL FILTER (CONT'D)

HORIZONTAL FIBREGLASS TANK WITH SIDE FLANGES

Model (250kPa)	Model (400 kPa)	Product	Effective Filter Area (m ²)	Valve Conn.	Max Flow Rate (m ³ / hr)	Gravel 1-2mm (kg)	Sand 0.5-0.8mm (kg)
HORIZONTAL FILTERS 1.4M DIAMETER 0.8M SAND BED DEPTH							
PWT-H-14-19-4-25	PWT-H-14-19-4-40	Horizontal Fibreglass Filter 1.4m x 1.9m (4")	2.23	4"	45	575	2100
PWT-H-14-19-6-25	PWT-H-14-19-6-40	Horizontal Fibreglass Filter 1.4m x 1.9m (6")	2.23	6"	89	575	2100
PWT-H-14-25-4-25	PWT-H-14-25-4-40	Horizontal Fibreglass Filter 1.4m x 2.5m (4")	3.02	4"	60	800	2825
PWT-H-14-25-6-25	PWT-H-14-25-6-40	Horizontal Fibreglass Filter 1.4m x 2.5m (6")	3.02	6"	121	800	2825
PWT-H-14-30-4-25	PWT-H-14-30-4-40	Horizontal Fibreglass Filter 1.4m x 3.0m (4")	3.67	4"	73	1000	3450
PWT-H-14-30-6-25	PWT-H-14-30-6-40	Horizontal Fibreglass Filter 1.4m x 3.0m (6")	3.67	6"	110	1000	3450
PWT-H-14-30-8-25	PWT-H-14-30-8-40	Horizontal Fibreglass Filter 1.4m x 3.0m (8")	3.67	8"	147	1000	3450
HORIZONTAL FILTERS 1.6M DIAMETER 1.0M SAND BED DEPTH							
PWT-H-16-19-4-25	PWT-H-16-19-4-40	Horizontal Fibreglass Filter 1.6m x 1.9m (4")	2.47	4"	49	600	2850
PWT-H-16-19-6-25	PWT-H-16-19-6-40	Horizontal Fibreglass Filter 1.6m x 1.9m (6")	2.47	6"	99	600	2850
PWT-H-16-25-6-25	PWT-H-16-25-6-40	Horizontal Fibreglass Filter 1.6m x 2.5m (6")	3.36	6"	101	850	3875
PWT-H-16-25-8-25	PWT-H-16-25-8-40	Horizontal Fibreglass Filter 1.6m x 2.5m (8")	3.36	8"	134	850	3875
PWT-H-16-30-6-25	PWT-H-16-30-6-40	Horizontal Fibreglass Filter 1.6m x 3.0m (6")	4.1	6"	123	1050	4750
PWT-H-16-30-8-25	PWT-H-16-30-8-40	Horizontal Fibreglass Filter 1.6m x 3.0m (8")	4.1	8"	164	1050	4750
HORIZONTAL FILTERS 1.8M DIAMETER 1.0M SAND BED DEPTH							
PWT-H-18-25-6-25	PWT-H-18-25-6-40	Horizontal Fibreglass Filter 1.8m x 2.5m (6")	3.74	6"	112	975	4850
PWT-H-18-25-8-25	PWT-H-18-25-8-40	Horizontal Fibreglass Filter 1.8m x 2.5m (8")	3.74	8"	150	975	4850
PWT-H-18-30-6-25	PWT-H-18-30-6-40	Horizontal Fibreglass Filter 1.8m x 3.0m (6")	4.58	6"	137	1225	5925
PWT-H-18-30-8-25	PWT-H-18-30-8-40	Horizontal Fibreglass Filter 1.8m x 3.0m (8")	4.58	8"	183	1225	5925
PWT-H-18-35-8-25	PWT-H-18-35-8-40	Horizontal Fibreglass Filter 1.8m x 3.5m (8")	5.41	8"	162	1475	7000
PWT-H-18-35-10-25	PWT-H-18-35-10-40	Horizontal Fibreglass Filter 1.8m x 3.5m (10")	5.41	10"	216	1475	7000
PWT-H-18-40-6-25	PWT-H-18-40-6-40	Horizontal Fibreglass Filter 1.8m x 4.0m (6")	6.25	6"	125	1700	8075
PWT-H-18-40-8-25	PWT-H-18-40-8-40	Horizontal Fibreglass Filter 1.8m x 4.0m (8")	6.25	8"	187	1700	8075
PWT-H-18-40-10-25	PWT-H-18-40-10-40	Horizontal Fibreglass Filter 1.8m x 4.0m (10")	6.25	10"	250	1700	8075
HORIZONTAL FILTERS 2.0M DIAMETER 1.2M SAND BED DEPTH							
PWT-H-20-25-6-25	PWT-H-20-25-6-40	Horizontal Fibreglass Filter 2.0m x 2.5m (6")	4.34	6"	130	1050	6575
PWT-H-20-25-8-25	PWT-H-20-25-8-40	Horizontal Fibreglass Filter 2.0m x 2.5m (8")	4.34	8"	174	1050	6575
PWT-H-20-30-6-25	PWT-H-20-30-6-40	Horizontal Fibreglass Filter 2.0m x 3.0m (6")	5.3	6"	159	1300	8025
PWT-H-20-30-8-25	PWT-H-20-30-8-40	Horizontal Fibreglass Filter 2.0m x 3.0m (8")	5.3	8"	212	1300	8025
PWT-H-20-35-6-25	PWT-H-20-35-6-40	Horizontal Fibreglass Filter 2.0m x 3.5m (6")	6.25	6"	125	1550	9475
PWT-H-20-35-8-25	PWT-H-20-35-8-40	Horizontal Fibreglass Filter 2.0m x 3.5m (8")	6.25	8"	187	1550	9475
PWT-H-20-35-10-25	PWT-H-20-35-10-40	Horizontal Fibreglass Filter 2.0m x 3.5m (10")	6.25	10"	250	1550	9475
PWT-H-20-40-6-25	PWT-H-20-40-6-40	Horizontal Fibreglass Filter 2.0m x 4.0m (6")	7.21	6"	144	1800	10925
PWT-H-20-40-8-25	PWT-H-20-40-8-40	Horizontal Fibreglass Filter 2.0m x 4.0m (8")	7.21	8"	216	1800	10925
PWT-H-20-40-10-25	PWT-H-20-40-10-40	Horizontal Fibreglass Filter 2.0m x 4.0m (10")	7.21	10"	288	1800	10925
PWT-H-20-45-8-25	PWT-H-20-45-8-40	Horizontal Fibreglass Filter 2.0m x 4.5m (8")	8.16	8"	163	2075	12375
PWT-H-20-45-10-25	PWT-H-20-45-10-40	Horizontal Fibreglass Filter 2.0m x 4.5m (10")	8.16	10"	326	2075	12375
PWT-H-20-50-10-25	PWT-H-20-50-10-40	"Horizontal Fibreglass Filter 2.0m x 5.0m (10")"	9.11	10"	364	2350	13825

All dimensions in mm.

PWT-H COMMERCIAL FILTER (CONT'D)

HORIZONTAL FIBREGLASS TANK WITH SIDE FLANGES

Model (250kPa)	Model (400 kPa)	Product	Effective Filter Area (m ²)	Valve Conn.	Max Flow Rate (m ³ / hr)	Gravel 1-2mm (kg)	Sand 0.5-0.8mm (kg)
HORIZONTAL FILTERS 2.35M DIAMETER 1.2M SAND BED DEPTH							
PWT-H-23-30-6-25	PWT-23-30-6-40	Horizontal Fibreglass Filter 2.35m x 3.0m (6")	5.94	6"	119	2575	9300
PWT-H-23-30-8-25	PWT-23-30-8-40	Horizontal Fibreglass Filter 2.35m x 3.0m (8")	5.94	8"	178	2575	9300
PWT-H-23-30-10-25	PWT-23-30-10-40	Horizontal Fibreglass Filter 2.35m x 3.0m (10")	5.94	10"	238	2575	9300
PWT-H-23-35-6-25	PWT-23-35-6-40	Horizontal Fibreglass Filter 2.35m x 3.5m (6")	7.06	6"	141	3125	11050
PWT-H-23-35-8-25	PWT-23-35-8-40	Horizontal Fibreglass Filter 2.35m x 3.5m (8")	7.06	8"	212	3125	11050
PWT-H-23-35-10-25	PWT-23-35-10-40	Horizontal Fibreglass Filter 2.35m x 3.5m (10")	7.06	10"	282	3125	11050
PWT-H-23-40-8-25	PWT-23-40-8-40	Horizontal Fibreglass Filter 2.35m x 4.0m (8")	8.17	8"	163	3650	12800
PWT-H-23-40-10-25	PWT-23-40-10-40	Horizontal Fibreglass Filter 2.35m x 4.0m (10")	8.17	10"	327	3650	12800
PWT-H-23-45-8-25	PWT-23-45-8-40	Horizontal Fibreglass Filter 2.35m x 4.5m (8")	9.28	8"	186	4200	14525
PWT-H-23-45-10-25	PWT-23-45-10-40	Horizontal Fibreglass Filter 2.35m x 4.5m (10")	9.28	10"	371	4200	14525
PWT-H-23-50-8-25	PWT-23-50-8-40	Horizontal Fibreglass Filter 2.35m x 5.0m (8")	10.4	8"	208	4750	16250
PWT-H-23-50-10-25	PWT-23-50-10-40	Horizontal Fibreglass Filter 2.35m x 5.0m (10")	10.4	10"	312	4750	16250
PWT-H-23-50-12-25	PWT-23-50-12-40	Horizontal Fibreglass Filter 2.35m x 5.0m (12")	10.4	12"	416	4750	16250
HORIZONTAL FILTERS 2.5M DIAMETER 1.3M SAND BED DEPTH							
PWT-H-25-35-6-25	PWT-25-35-6-40	Horizontal Fibreglass Filter 2.5m x 3.5m (6")	7.34	6"	149	3175	11675
PWT-H-25-35-8-25	PWT-25-35-8-40	Horizontal Fibreglass Filter 2.5m x 3.5m (8")	7.34	8"	223	3175	11675
PWT-H-25-35-10-25	PWT-25-35-10-40	Horizontal Fibreglass Filter 2.5m x 3.5m (10")	7.34	10"	297	3175	11675
PWT-H-25-40-8-25	PWT-25-40-8-40	Horizontal Fibreglass Filter 2.5m x 4.0m (8")	8.62	8"	172	3725	13500
PWT-H-25-40-10-25	PWT-25-40-10-40	Horizontal Fibreglass Filter 2.5m x 4.0m (10")	8.62	10"	345	3725	13500
PWT-H-25-45-8-25	PWT-25-45-8-40	Horizontal Fibreglass Filter 2.5m x 4.5m (8")	9.8	8"	196	4300	15350
PWT-H-25-45-10-25	PWT-25-45-10-40	Horizontal Fibreglass Filter 2.5m x 4.5m (10")	9.8	10"	294	4300	15350
PWT-H-25-45-12-25	PWT-25-45-12-40	Horizontal Fibreglass Filter 2.5m x 4.5m (12")	9.8	12"	392	4300	15350
PWT-H-25-50-8-25	PWT-25-50-8-40	Horizontal Fibreglass Filter 2.5m x 5.0m (8")	10.98	8"	220	4850	17200
PWT-H-25-50-10-25	PWT-25-50-10-40	Horizontal Fibreglass Filter 2.5m x 5.0m (10")	10.98	10"	329	4850	17200
PWT-H-25-50-12-25	PWT-25-50-12-40	Horizontal Fibreglass Filter 2.5m x 5.0m (12")	10.98	12"	439	4850	17200
HORIZONTAL FILTERS 3.0M DIAMETER 1.5M SAND BED DEPTH							
PWT-H-30-35-8-25	PWT-30-35-8-40	Horizontal Fibreglass Filter 3.0m x 3.5m (8")	8.98	8"	180	4525	17850
PWT-H-30-35-10-25	PWT-30-35-10-40	Horizontal Fibreglass Filter 3.0m x 3.5m (10")	8.98	10"	270	4525	17850
PWT-H-30-35-12-25	PWT-30-35-12-40	Horizontal Fibreglass Filter 3.0m x 3.5m (12")	8.98	12"	360	4525	17850
PWT-H-30-40-8-25	PWT-30-40-8-40	Horizontal Fibreglass Filter 3.0m x 4.0m (8")	10.4	8"	208	5300	20675
PWT-H-30-40-10-25	PWT-30-40-10-40	Horizontal Fibreglass Filter 3.0m x 4.0m (10")	10.4	10"	312	5300	20675
PWT-H-30-40-12-25	PWT-30-40-12-40	Horizontal Fibreglass Filter 3.0m x 4.0m (12")	10.4	12"	416	5300	20675
PWT-H-30-45-8-25	PWT-30-45-8-40	Horizontal Fibreglass Filter 3.0m x 4.5m (8")	11.82	8"	236	6100	23500
PWT-H-30-45-10-25	PWT-30-45-10-40	Horizontal Fibreglass Filter 3.0m x 4.5m (10")	11.82	10"	355	6100	23500
PWT-H-30-45-12-25	PWT-30-45-12-40	Horizontal Fibreglass Filter 3.0m x 4.5m (12")	11.82	12"	473	6100	23500
PWT-H-30-50-8-25	PWT-30-50-8-40	Horizontal Fibreglass Filter 3.0m x 5.0m (8")	13.24	8"	265	6875	26300
PWT-H-30-50-10-25	PWT-30-50-10-40	Horizontal Fibreglass Filter 3.0m x 5.0m (10")	13.24	10"	397	6875	26300
PWT-H-30-50-12-25	PWT-30-50-12-40	Horizontal Fibreglass Filter 3.0m x 5.0m (12")	13.24	12"	530	6875	26300

PWT-H COMMERCIAL FILTER (CONT'D)

HORIZONTAL FIBREGLASS TANK WITH SIDE FLANGES

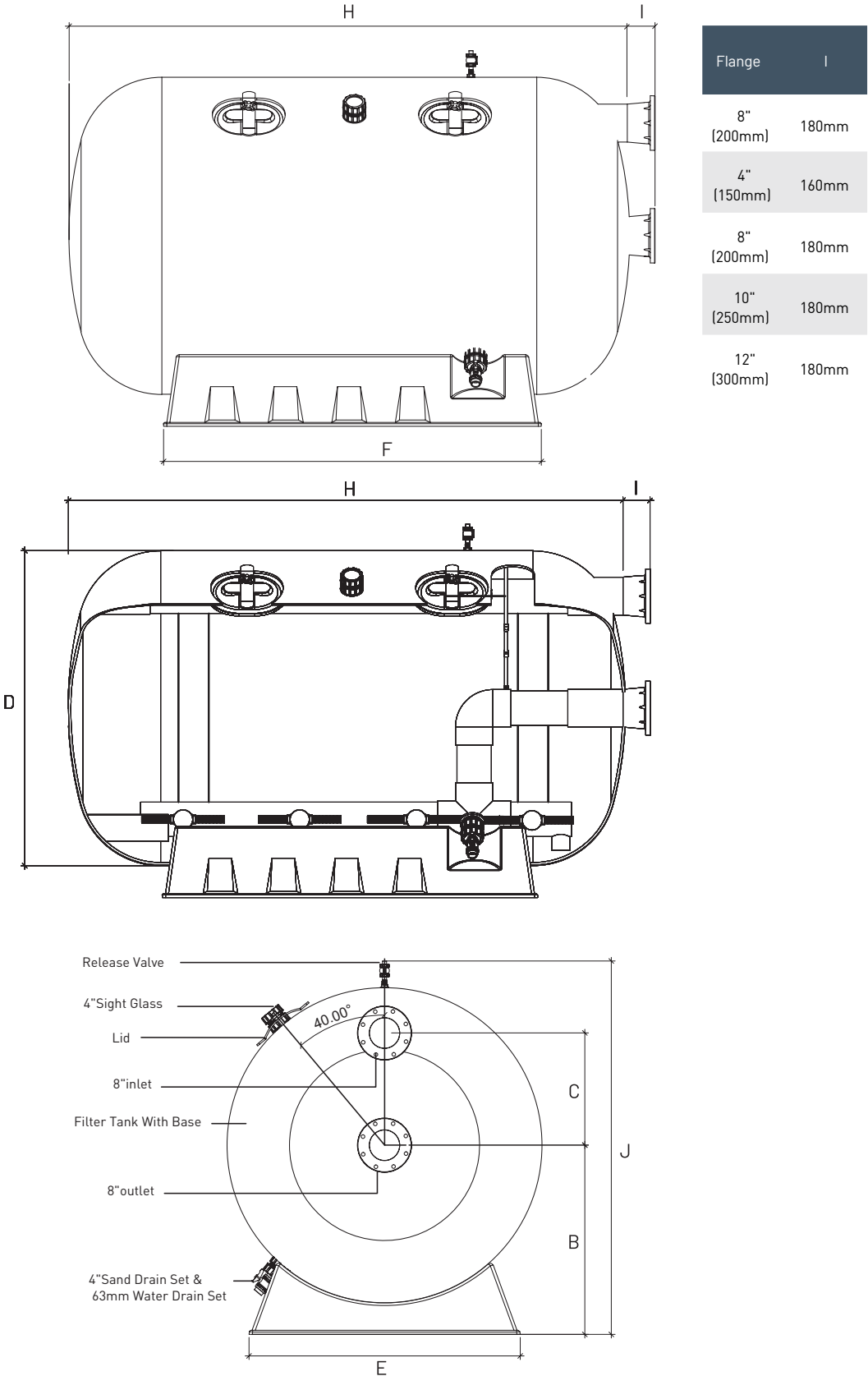
Dimensions

Model	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H (mm)	J (mm)	2.5 bar Weight (kg)	4 bar Weight (kg)
HORIZONTAL FILTERS 1.2M DIAMETER 0.6M SAND BED DEPTH									
PWT-H-12-19	747	325	1200	1100	1190	1900	1500	270	353
PWT-H-12-23	747	325	1200	1100	1590	2300	1500	324	418
PWT-H-12-25	747	325	1200	1100	1790	2500	1500	354	453
PWT-H-12-27	747	325	1200	1100	1990	2700	1500	382	438
PWT-H-12-30	747	325	1200	1100	2290	3000	1500	431	542
HORIZONTAL FILTERS 1.4M DIAMETER 0.8M SAND BED DEPTH									
PWT-H-14-19	847	390	1400	1130	1340	1900	1700	360	441
PWT-H-14-25	847	390	1400	1130	1840	2500	1700	413	532
PWT-H-14-30	847	390	1400	1130	2340	3000	1700	522	657
HORIZONTAL FILTERS 1.6M DIAMETER 1.0M SAND BED DEPTH									
PWT-H-16-19	945	475	1600	1440	1210	1900	1900	414	535
PWT-H-16-25	945	475	1600	1440	1710	2500	1900	516	658
PWT-H-16-30	945	475	1800	1440	2210	3000	1900	611	771
HORIZONTAL FILTERS 1.8M DIAMETER 1.0M SAND BED DEPTH									
PWT-H-18-25	1100	550	1800	1380	1560	2500	2170	570	777
PWT-H-18-30	1100	550	1800	1380	2060	3000	2170	701	888
PWT-H-18-35	1100	550	1800	1380	2560	3500	2170	811	1020
PWT-H-18-40	1100	550	1800	1380	3060	4000	2170	912	1140
HORIZONTAL FILTERS 2.0M DIAMETER 1.2M SAND BED DEPTH									
PWT-H-20-25	1200	710	2000	1720	1380	2500	2370	710	906
PWT-H-20-30	1200	710	2000	1720	1880	3000	2370	804	1024
PWT-H-20-35	1200	710	2000	1720	2380	3500	2370	898	1140
PWT-H-20-40	1200	710	2000	1720	2880	4000	2370	1001	1265
PWT-H-20-45	1200	710	2000	1720	3380	4500	2370	1093	1380
PWT-H-20-50	1200	710	2000	1720	3880	5000	2370	1200	1500
HORIZONTAL FILTERS 2.35M DIAMETER 1.2M SAND BED DEPTH									
PWT-H-23-30	1390	710	2350	1950	1270	3000	2730	920	1195
PWT-H-23-35	1390	710	2350	1950	1770	3500	2730	1035	1335
PWT-H-23-40	1390	710	2350	1950	2270	4000	2730	1178	1505
PWT-H-23-45	1390	710	2350	1950	2770	4500	2730	1362	1715
PWT-H-23-50	1390	710	2350	1950	3270	5000	2730	1562	1942
HORIZONTAL FILTERS 2.5M DIAMETER 1.3M SAND BED DEPTH									
PWT-H-25-35	1480	710	2500	2120	1850	3500	2900	1075	1403
PWT-H-25-40	1480	710	2500	2120	2350	4000	2900	1363	1587
PWT-H-25-45	1480	710	2500	2120	2850	4500	2900	1442	1812
PWT-H-25-50	1480	710	2500	2120	3350	5000	2900	1610	2022
HORIZONTAL FILTERS 3.0M DIAMETER 1.5M SAND BED DEPTH									
PWT-H-30-35	1730	710	3000	2600	1880	3500	3410	1386	1783
PWT-H-30-40	1730	710	3000	2600	2380	4000	3410	1582	2012
PWT-H-30-45	1730	710	3000	2600	2880	4500	3410	1777	2240
PWT-H-30-50	1730	710	3000	2600	3380	5000	3410	1972	2470

All dimensions in mm.

PWT-H COMMERCIAL FILTER (CONT'D)

HORIZONTAL FIBREGLASS TANK WITH SIDE FLANGES



PLUMBING KITS & ACCESSORIES

Featured Highlights

- Unionized pump/filter plumbing kits and base
- Bulkhead Union Sets can connect D.E. and high-rate sand filters to any plumbing. The kit consists of two half unions with both 1-1/2 and 2 in. pipe connections.



154566

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
UNIONS			
98960311	Bulkhead union kit, 1-1/2 in. & 2 in. for Eclipse Filters	1	1
TOOLS			
192019	Drain plug wrench ¹	1	1
ACCESSORIES AND KITS			
154566	2 in. Sight glass nipple, clear	1	1
271092	2 in. Threaded adapter kit, for installations without valve	1	1
271094	1-1/2 in. Threaded adapter kit, w/o valve, for installations without valve	1	1
271096	2 in. Threaded bulkhead adapter kit, for installations without valve	1	1
274725	Union check valve, 2 in. socket	1	1
274426Z	Adapter Union Replacement Kit, 2-1/2 in. x 2 in.	1	2
354570	1-1/2 in. Quick disconnect kit, for Regenerative D.E. Filter	1	1
542090	Sand Vac, empties a sand filter in 10 minutes for repair, refilling, or removal	1	3

¹ For use on FNS Plus, Nautilus Plus & Clean & Clear Plus filters.

² For use on Star filters.

³ Torque wrench not required for filters with Tension Control™ clamp.



542090



354570
(now available in black)



274725



271094, 271096,
271092

RETRO-FIT & UPGRADE KITS

Ordering Information

Product	Description
FNS KITS ¹	
181010	FNS clamp spring kit (works on all FNS clamps after 1-89)
NS KITS ¹	
181011	NS/PF35 spring clamp assembly

¹ For filters manufactured prior to 1991.

² For use on filters built before 11-94.

Product	Description
PF SAND KITS ¹	
181011	NS/PF35 spring clamp assembly
FILTER UPGRADES	
98209804	High flow manual air relief valve w/instruction labels
59000400	High flow internal air relief kit upgrade for Titan manifold



PENTAIR
POOL

HEATERS & HEAT PUMPS

ULTRATEMP ETi® HEATER

HIGH PERFORMANCE HYBRID HEATER

TRADEGRADE
eco select®


First-Ever Dual-Fuel Heating Technology, delivering the fastest and most economical heating options.

Featured Highlights

- Available in Propane and Natural Gas
- Gas-Fired functionality for quick heat-ups
- Onboard intelligence delivers outstanding efficiency
- TitanTough™ Direct-Fire Titanium gas heat exchanger assures corrosion-free performance for extra long life
- 93% thermal efficiency gas engine coupled with high performance heat pump
- Smart controls and space savings versus installing two separate units, gas heater and heat pump
- Automation ready with seamless interfacing with Pentair Control Systems
- High efficiency design (four selectable modes: Heat Pump only, Gas only, Hybrid, Dual)
- In "Dual" mode the heater runs both the heat pump and gas heater simultaneously for maximum heat output
- In "Hybrid" mode the heater runs state-of-the-art programming logic to determine the fastest and most economical way to heat your pool based on user input water temperature differential and time period
- Dual internal water bypass assembly automatically adjusts for water flows up to 120 GPM without the need for an external water bypass

Ordering Information

Part # ALMOND	Model	80/80/80* BTU/COP	80/63/80* BTU/COP	50/63/80* BTU/COP	Gas BTU	Freq (Hz)	Breaker Size (amp)	Phase	Volt	Ctn Wt.
ULTRATEMP ETi HEATER 60HZ										
460969	220K - Natural Gas	108,000/5.8	100,000/5.6	70,000/4.0	110,000	60	50	1	230	450
462042	220K - Propane	108,000/5.8	100,000/5.6	70,000/4.0	110,000	60	50	1	230	450

* Rating in accordance with ARI Standard 1160 (air temp. °F. / % relative humidity / water temp °F.)

IMPORTANT NOTE:

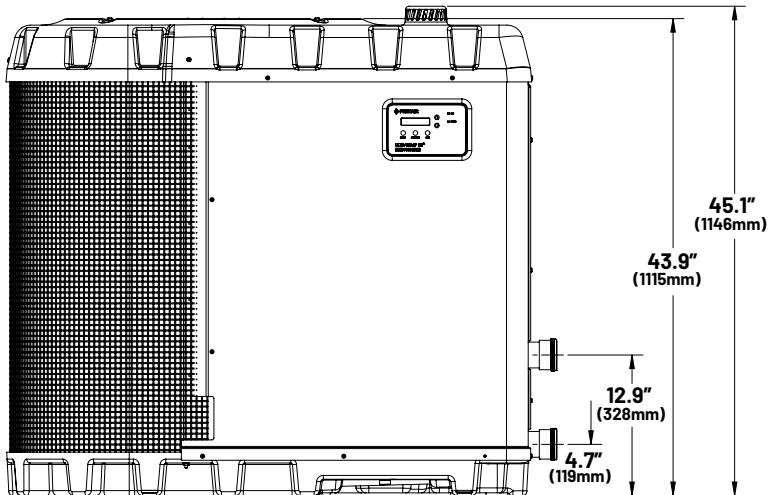
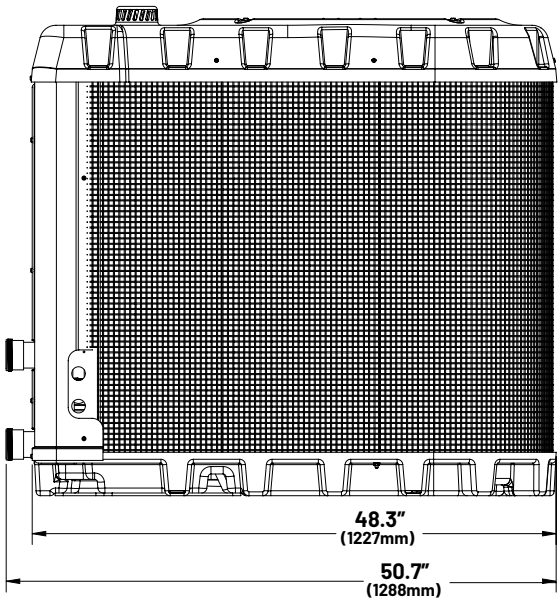
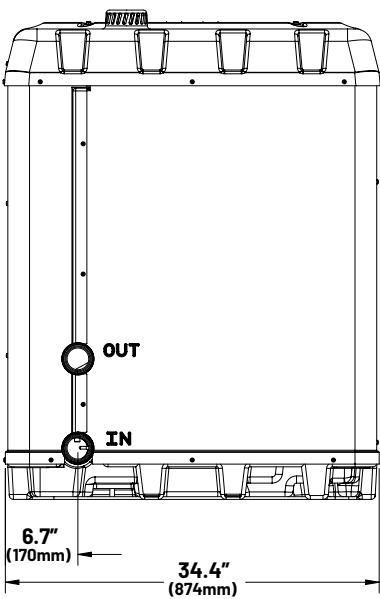
The Hybrid is tested & factory-configured for either Natural Gas or Propane Gas, and it cannot be converted from one fuel type to another in the field. Please order the specific model (Natural Gas or Propane) to match the fuel source of your intended application.

The AHRI Certified® Mark is applied only to HVACR equipment and components that have been independently tested to certify manufacturers' performance claims are accurate. Visit www.ahridirectory.org for a complete list of certified products. CEC indicates that Heat Pump has been evaluated to California Title-20, listed in the California Energy Commission's (CEC) database of compliant heat pumps, and certified to use on Residential Swimming Pool Filtration Systems.

ULTRATEMP ETi® HEATER

HIGH PERFORMANCE HYBRID HEATER

Dimensions and Performance



ETi® 400

HIGH EFFICIENCY HEATER

TRADEGRADE



ETi 400 Heater

Featured Highlights

- TitanTough™ Direct-Fire Titanium ASME certified heat exchanger
- Certified for Ultra Low NOx Emissions
- Best-in-Class Energy Efficiency for fast heat up times and energy savings
- 4" PVC or CPVC vent up to 120 ft and 6" vent up to 300 ft long
- Indoor and Outdoor rating
- Ultra-Quiet operation
- Convenient 180 degrees rotating controls panel for left or right plumbing orientation
- Convenient front and rear gas connection capability
- Factory configured for Natural Gas. Propane conversion kit available

The ETi 400 high efficiency pool heater features our TitanTough™ direct-fire titanium heat exchanger, with ASME certified construction for robust, reliable heating performance. At 96% thermal efficiency, the ETi 400 heater has the highest efficiency ever built in its class. All this in a heater that operates with ultra-quiet noise level and out performs energy emissions standards.

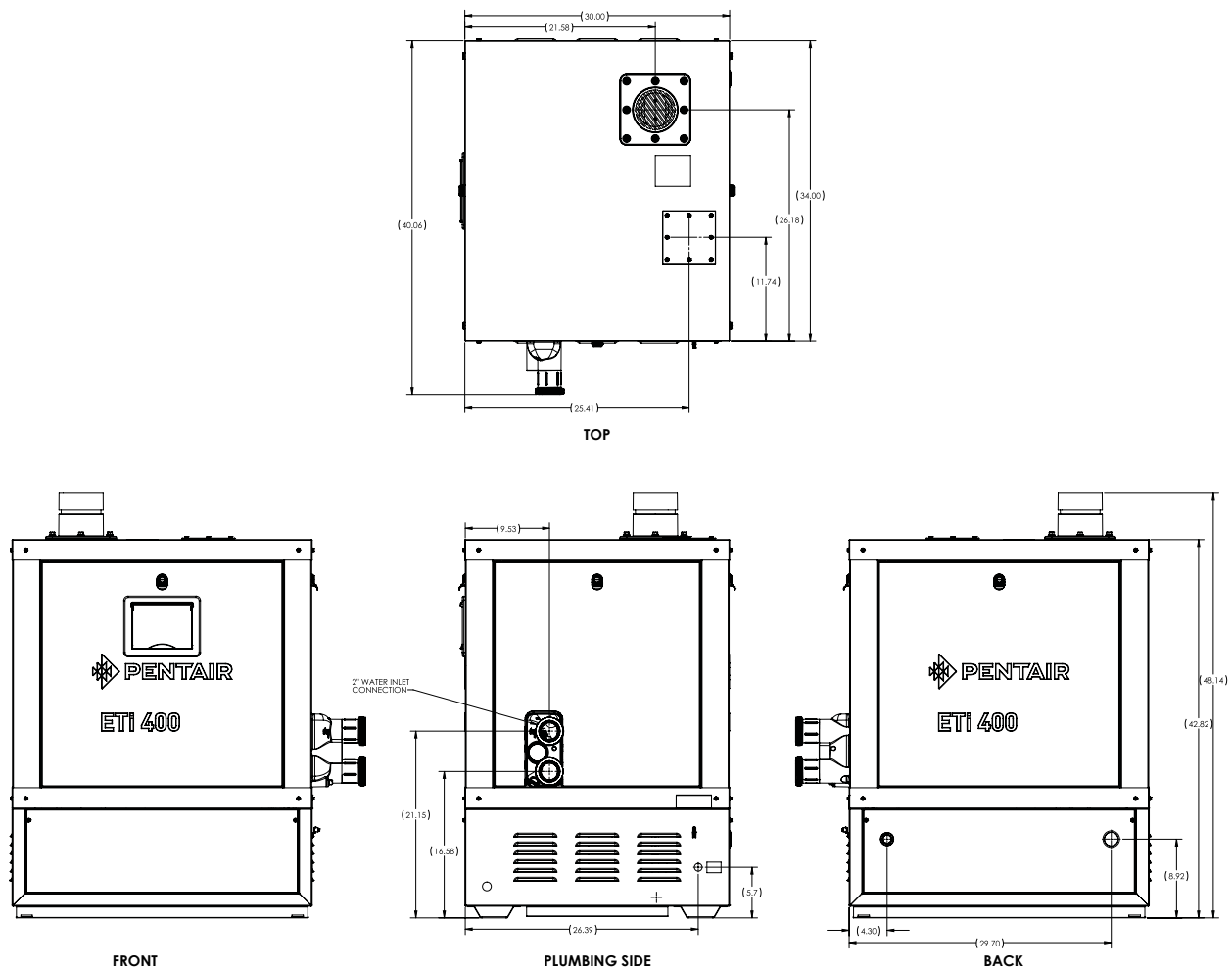
Ordering Information

Product	Gas Type	BTU (400,000)	Crate Qty.	Crate Wt.
ETI 400 HEATER 60HZ				
461113	Natural	400,000 BTU—ASME LISTED	1	365
ACCESSORIES				
475971	Direct Air Intake Kit (for indoor installations)		1	5
475612	Condensate Neutralizer Cartridge Kit		1	5
476072	Propane Gas Conversion Kit		1	2

ETi[®] 400

HIGH EFFICIENCY HEATER

Dimensions and Performance



* Dimensions are in inches.

ETi® 250

HIGH EFFICIENCY POOL AND SPA HEATER

TRADEGRADE



ETi 250 High Efficiency Pool and Spa Heater

Featured Highlights

- TitanTough™ Direct-Fire Titanium ASME certified heat exchanger
- Corrosion-resistant Titan-Tough™ Direct-Fire Titanium Heat Exchanger
- For every \$1 of fuel that's piped into the heater, up to 96 cents goes directly to heating the pool, ensuring optimal heating
- Certified for Category IV PVC exhaust venting and air intake
- 360° gas line connection options for ease-of-installation
- 270° control panel orientation options for ease-of-access
- Large removal panels make accessing the heater internals easier
- Plumbing aligns exactly to MasterTemp® and Max-E-Therm® heaters, making ET i250 an ideal drop-in replacement on tight equipment pads
- 3-year parts and labor warranty

The ETi 250 high efficiency pool heater features our TitanTough™ direct-fire titanium heat exchanger, with ASME certified construction for robust, reliable heating performance. Choose the ETi 250 heater for applications that are tight on space or where 250,000 BTU's can get the job done. All this in a heater that provides up to 96%* thermal efficiency, for more energy savings over standard heaters and faster heat-up times.

Ordering Information

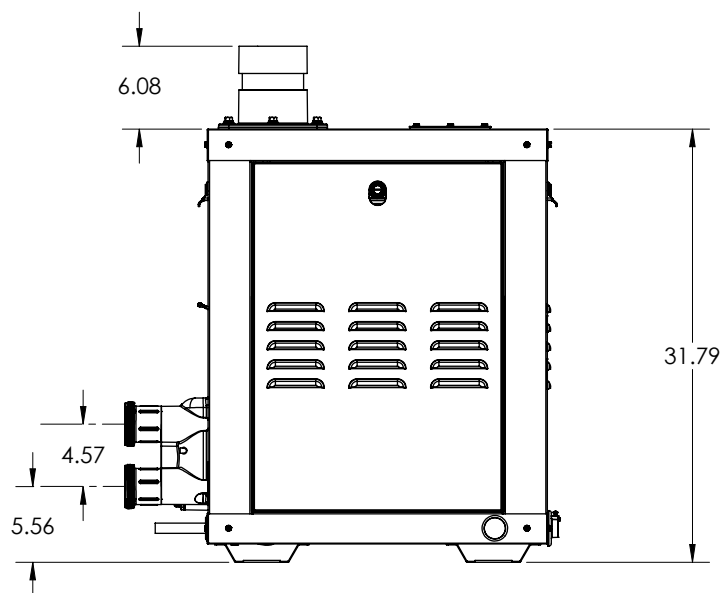
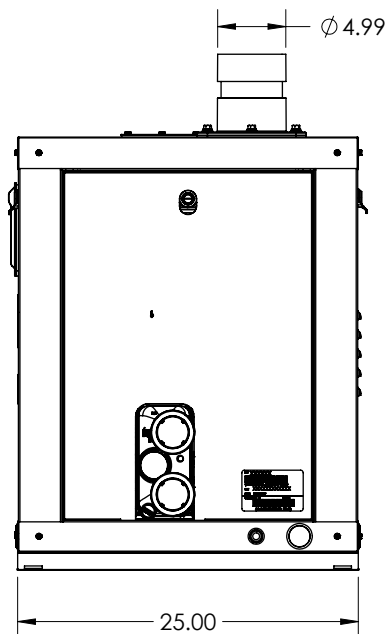
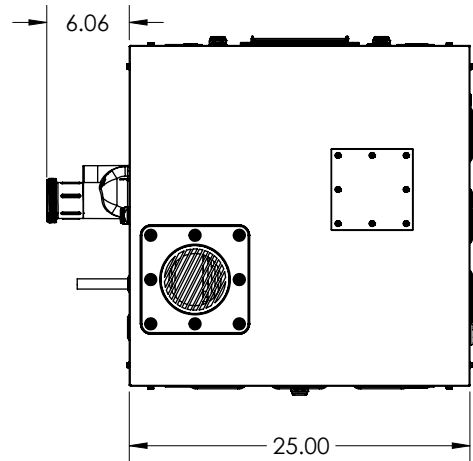
Part #	Description	Gas Type	BTUs	Dimensions (IN)	Weight (LBS)	Voltage	Breaker Size
ETi 250 HIGH EFFICIENCY POOL AND SPA HEATER 60HZ							
461112	ETi 250 High-Efficiency Pool Heater	Natural	250,000	25L x 25W x 32H	270	120 or 240/60Hz/1Ph	15 AMP
CONVERSION, REPLACEMENT AND AIR INTAKE KITS							
462057	ETi 250 High-Altitude Conversion Kit for 4,500 ft - 10,000 ft	Natural		12L x 7W x 5H	2		
476370	ETi 250 Propane Conversion Kit from 0 - 2,000 ft	Propane		8L x 8W x 8H	2		
476375	ETi 250 Condensate Neutralizer Replacement Kit - ETi 250 heater produces condensate while in operation. The pH level of the condensate is between 3.1 and 4.2, and Pentair recommends that users neutralize the condensate by installing the optional ETi 250 Condensate Neutralizer Kit.						
476371	ETi 250 Indoor Direct Air Intake Kit - For applications in which the ETi 250 will be installed indoors using a Direct Air Intake, use this kit for simplified installation.						

*ETi 250 is 94% efficient when operated on natural gas and is 96% efficient when operated on propane with available conversion kit.

ETi® 250 (CONT'D)

HIGH EFFICIENCY POOL AND SPA HEATER

Dimensions and Performance



* Dimensions are in inches.

MASTERTEMP® HEATER

HIGH PERFORMANCE HEATER

TRADEGRADE



Featured Highlights

- Now with smart connectivity and energy-saving automation, it's easier than ever to get the pool warm and ready whenever it's needed
- New automation functionality and ignition control module with flame strength sensor for always optimized performance
- MasterTemp Heater is certified for low NOx emission
- Multi-position top panel allows digital display to be re-positioned for convenient operation
- Tough, rustproof exterior handles the heat and weathers the elements
- Certified for outdoor and indoor installations
- Optional Smart Heater Bypass valve control diverts water flow when the heater isn't needed to

MasterTemp High Performance Heater

MasterTemp heaters offer all the efficiency, convenience and reliability features you want in a pool heater, plus a lot more. As easy to use as your home heating system, plus, user-friendly LCD display and troubleshoot icons make system operation and monitoring a snap. The compact design and super-quiet operation won't intrude on your poolside leisure time. Heavy-duty (HD) unit with cupro-nickel exchanger for improved performance in more challenging applications, like low pH, high flow or heavy use.

Ordering Information

Product	Gas Type	BTU (000's)	Carton Wt. LBS
MASTERTEMP HEATERS 60HZ			
460792	Natural	175	128
460793	Propane	175	128
460730	Natural	200	128
460731	Propane	200	128
461000	Natural	200 ASME	138
461001	Propane	200 ASME	138
460732	Natural	250	133
460733	Propane	250	133
460771	Natural	250 ASME	140
460772	Propane	250 ASME	140
460806	Natural	250HD	136
461020	Natural	250 ASME HD	140
460734	Natural	300	136
460735	Propane	300	136
460736	Natural	400	136
460737	Propane	400	136
460805	Natural	400HD	136
460775	Natural	400 ASME	149
460776	Propane	400 ASME	149
461021	Natural	400 ASME HD	149
461031	Air Intake Kit		
462048	Smart Heater Bypass Kit		
MASTERTEMP HEATERS 50HZ			
460946	Natural	200	128
460949	Propane / LPG	200	128
460945	Natural	300	136
460948	Propane / LPG	300	136
460944	Natural	400	140
460947	Propane / LPG	400	140

Note:

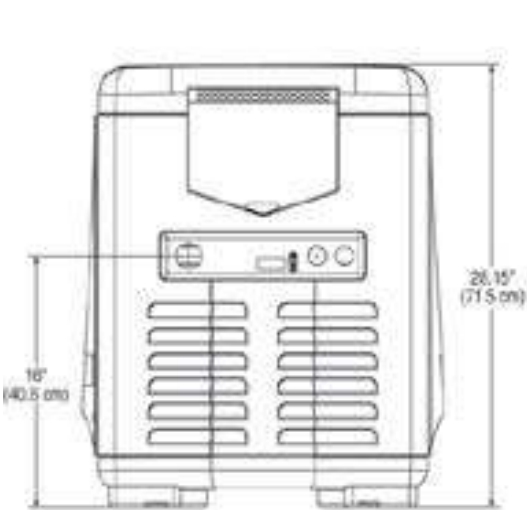
The MasterTemp High Performance Heater is certified for low NOx emissions.

* Standard Copper Heat Exchanger 84% Efficient.

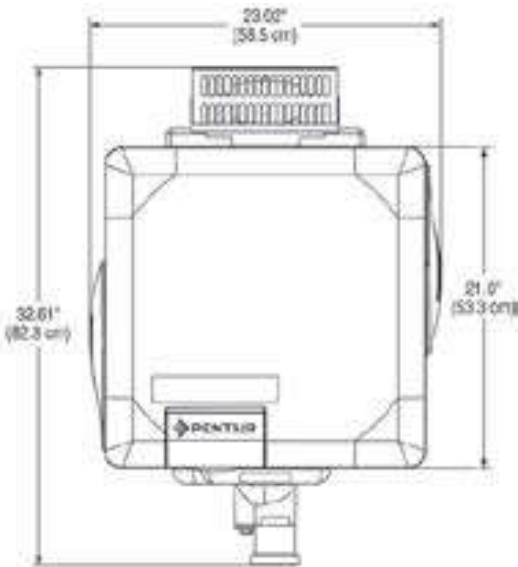
Heavy-Duty (HD) Cupro-Nickel Heat Exchanger 82% Efficient.

MASTERTEMP® HEATER (CONT'D)
HIGH PERFORMANCE HEATER

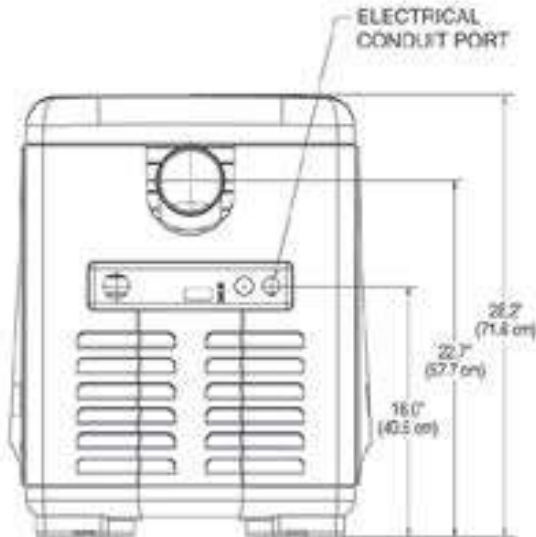
Dimensions and Performance



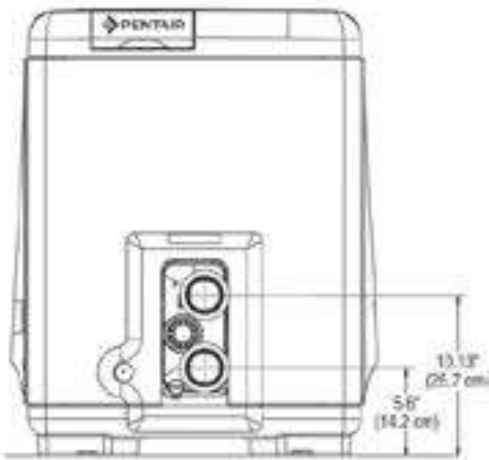
FRONT



TOP



EXHAUST SIDE



PLUMBING SIDE

MASTERTEMP® 125

HIGH PERFORMANCE HEATER

TRADEGRADE



MasterTemp 125 Heater

Featured Highlights

- Now with smart connectivity and energy-saving automation, it's easier than ever to get the pool warm and ready whenever it's needed
- New automation functionality and ignition control module with flame strength sensor for always optimized performance
- MasterTemp 125 Heater is certified for low NOx emission
- Multi-position top panel allows digital display to be re-positioned for convenient operation
- Tough, rustproof exterior handles the heat and weathers the elements
- Certified for outdoor and indoor installations
- 1-1/2 in. Plumbing connection—ideal for smaller bodies of water, including aboveground pools, spas and inground pools up to 15,000 gallons
- Available in natural gas or propane gas
- Lightweight: 80 lbs.—easy to handle and ship
- 3/4 in. gas line up to 50 ft. from source
- Optional Smart Heater Bypass valve control diverts water flow when the heater isn't needed

The MasterTemp 125 Heater provides energy-savings and advanced operating features that were only available from much larger heaters. With its revolutionary pre-mixed gas combustion technology, the MasterTemp 125 Heater offers 82% thermal efficiency, the highest in its class. The advanced LCD display/controller provides more information and better control.

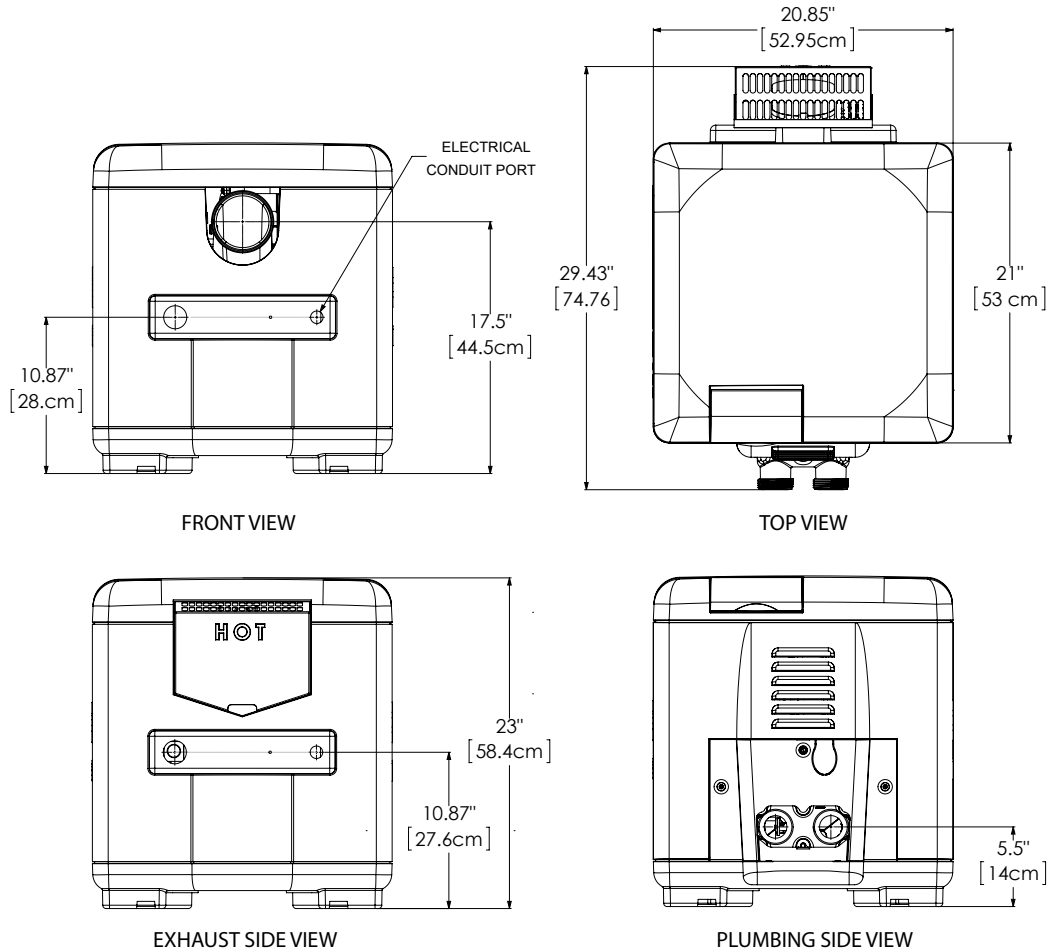
Ordering Information

Product	Gas Type	BTU (000's)	Carton Wt.
MASTERTEMP 125 HIGH PERFORMANCE HEATER 60HZ			
461058	Natural, without cord	125	100
461059	Natural, with cord	125	100
461060	LP, without cord	125	100
461061	LP, with cord	125	100
474845	Air Intake Kit		
462048	Smart Heater Bypass Kit		
MASTERTEMP 125 HIGH PERFORMANCE HEATER 50HZ			
461092	Natural	125	100
461093	Propane	125	100
SF43-11-06	6" Flue Adaptor	125	100
SF43-11-08	8" Flue Adaptor	125	100
474845	Air Intake Kit		
801953	Flow Switch 40mm		
802011	External Inlet High Limit Switch Kit		

MASTERTEMP® 125 (CONT'D)

HIGH PERFORMANCE HEATER

Dimensions and Performance



MAX-E-THERM® 125

POOL AND SPA HEATER



TRADEGRADE



Max-E-Therm Pool and Spa Heater

Featured Highlights

- Now with smart connectivity and energy-saving automation, it's easier than ever to get the pool warm and ready whenever it's needed
- New automation functionality and ignition control module with flame strength sensor for always optimized performance
- Max-E-Therm Heater is certified for low NOx emission.
- Multi-position top panel allows digital display to be re-positioned for convenient operation
- Tough, rustproof exterior handles the heat and weathers the elements
- Certified for outdoor and indoor installations
- Optional Smart Heater Bypass valve control diverts water flow when the heater isn't needed

For indoor or outdoor installations on pools and spas. Features include an LCD temperature readout with dual thermostat controls, temperature safety lockout, and 6-position control panel. PMG burner technology requires no outdoor draft hood. Proven Dura-Glas Resin provides rust-proof construction. Heavy-duty (HD) unit with cupro-nickel exchanger for improved performance in more challenging applications, like low pH, high flow or heavy use.

Ordering Information

Product	Description	BTU (000's)	Carton Wt.
MAX-E-THERM POOL/SPA HEATER 60HZ			
SR200NA	Max-E-Therm 200 BTU Natural Gas Heater	200	131
SR200LP	Max-E-Therm 200 BTU Propane Gas Heater	200	131
SR200HD	Max-E-Therm 200 BTU Heavy Duty Heater	200	131
460767	Max-E-Therm 250 ASME Natural Gas Heater	250	151
460768	Max-E-Therm 250 ASME Propane Gas Heater	250	151
SR333NA	Max-E-Therm 333 BTU Natural Gas Heater	333	138
SR333LP	Max-E-Therm 333 BTU Propane Gas Heater	333	138
SR333HD	Max-E-Therm 333 BTU Heavy Duty Heater	333	138
SR400NA	Max-E-Therm 400 BTU Natural Gas Heater	400	138
SR400LP	Max-E-Therm 400 BTU Propane Gas Heater	400	138
SR400HD	Max-E-Therm 400 BTU Heavy Duty Heater	400	138
460763	Max-E-Therm 400 BTU ASME NA Heater	400	149
460764	Max-E-Therm 400 ASME Propane Gas Heater	400	149
475002	Air Intake Kit		
462048	Smart Bypass Kit		

Note: The Max-E-Therm Heater is certified for low NOx emissions.

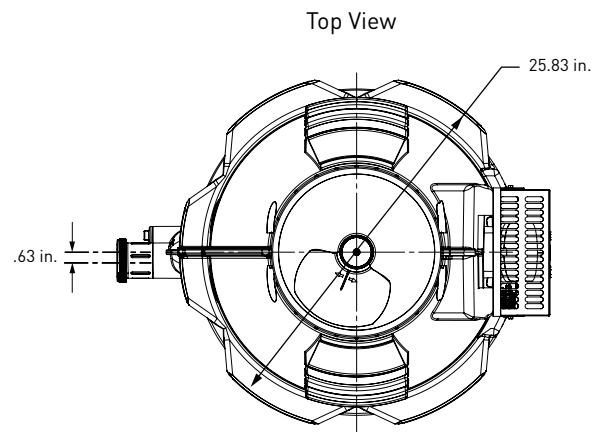
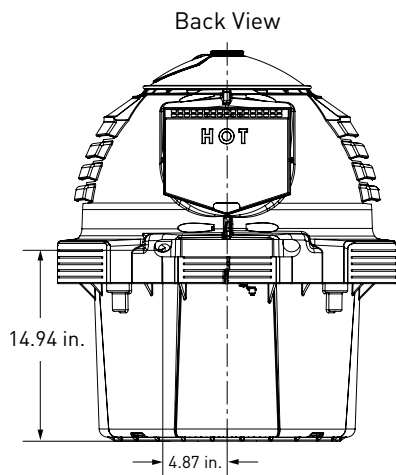
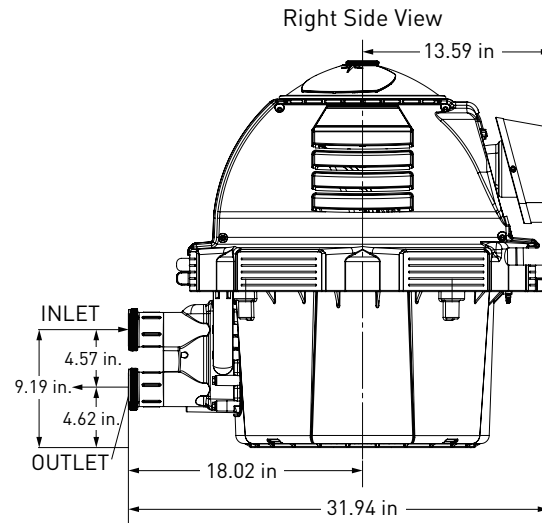
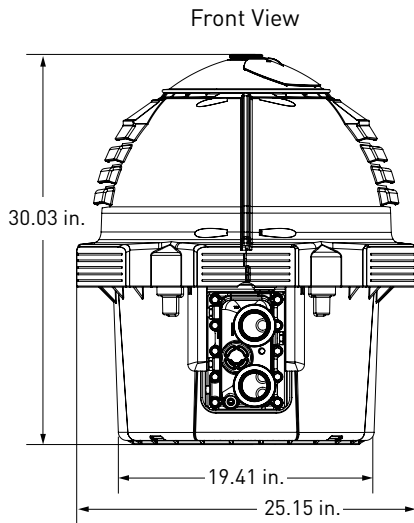
* Standard Copper Heat Exchanger 84% Efficient.

Heavy Duty (HD) Cupro-Nickel Heat Exchanger 82% Efficient.

MAX-E-THERM® 125 (CONT'D)

POOL AND SPA HEATER

Dimensions and Performance



MAX-E-THERM AND MASTERTEMP® HEATER HEATER ACCESSORIES

Featured Highlights

- Optional Smart Heater Bypass valve control diverts water flow when the heater isn't needed.

Ordering Information

Product	Description	Approx. Ship. Weight (Lbs.)
VERTICAL VENTING - NEGATIVE PRESSURE		
77707-0076	4 in. x 6 in. Metal Flue Collar	3
77707-0077	4 in. x 8 in. Metal Flue Collar	3
HORIZONTAL OR VERTICAL VENTING - POSITIVE PRESSURE ⁴		
77707-0086	Appliance Adapter, Stainless Steel – Manufactured by HeatFab® venting manufactured by Selkirk Corp. *	3
77707-0087	Appliance Adapter, Stainless Steel – Manufactured by Z-Flex U.S. Venting	3
CONVERSION KITS - NATURAL GAS TO LPG		
461063	NG to LP Conversion Kit - Model 125	1
460794	NG to LP Conversion Kit - Model 175	1
77707-1461	Conversion Kit NG-LPG 200K for Pool and Spa Heater	1
460741	NG to Propane Conversion Kit – Model 250	1
460755	NG to Propane Conversion Kit – Model 300	1
77707-1451	Conversion Kit NG-LPG 333K for Pool and Spa Heater	1
77707-1441	Conversion Kit NG-LPG 400K for Pool and Spa Heater	1
CONVERSION KITS - LPG to NATURAL GAS		
461062	LP to NG Conversion Kit - Model 125	1
460795	LP to NG Conversion Kit - Model 175	1
77707-1431	Conversion Kit LPG-NG for 200K Pool and Spa Heater	1
460742	Propane to NG Conversion Kit – Model 250	1
460756	Propane to NG Conversion Kit – Model 300	1
77707-1421	Conversion Kit LPG-NG for 333K Pool and Spa Heater	1
77707-1411	Conversion Kit LPG-NG for 400K Pool and Spa Heater	1
HEATER ACCESSORIES		
42001-0085S	Heater Bolt Down Bracket Kit (Max-E-Therm)	1
460738	Heater Bolt Down Bracket Kit (MasterTemp)	1
PKG 188Z	Union Package (2" Unions)	1
474974	Union Package (1-1/2" Unions)	1
U11-197P	2 in. Adapter (for service loop)	1
461031	Direct Air Intake Duct Kit (MasterTemp)	5
475002	Direct Air Intake Duct Kit (Max-E-Therm)	5
474845	Direct Air Intake Duct Kit (MasterTemp 125)	5
SERVICE PROFESSIONAL PARTS KIT		
461100	Pro Service Package – Heater Master Package of Water & Electrical System Parts. Includes many common repair parts for Pentair & Sta-Rite heaters in reusable hard case ¹	5
461101	Pro Service Package – Heaters Electrical System Parts. Includes common Electrical System repair parts for Pentair & Sta-Rite heaters in reusable hard case ¹	3
461102	Pro Service Package – Heaters Water System Parts. Includes common Water System repair parts for Pentair & Sta-Rite heaters in reusable hard case ¹	3
461102	Smart Bypass Kit	

¹ Compatible with Pentair MasterTemp® High Performance Heaters, Sta-Rite Max-E-Therm® High Performance Heaters, Models 175/200/250/300/333/400. Not compatible with 125,000 BTU heater

COMMERCIAL POWERMAX®

HIGH PERFORMANCE ELECTRONIC IGNITION HEATER

Featured Highlights

- Reliable operation in natural or propane models
- Fan-assisted and filtered combustion air
- Dual ignition systems for models greater than 750,000 BTU
- Built-in mixing system reduces condensation possibilities
- Fits through standard doorways
- Gas supply right or left side
- CSA Certified
- **CSD-1 and other options available. Contact factory for part numbers**



Commercial PowerMax Heater

When performance is critical, the PowerMax Heater provides peak efficiency and easy maintenance in both indoor and outdoor applications. Seven sizes delivering up to 85% efficiency ratings and meeting all Low NOx requirements. PowerMax Heater is designed for operation to 10,000 foot elevation.

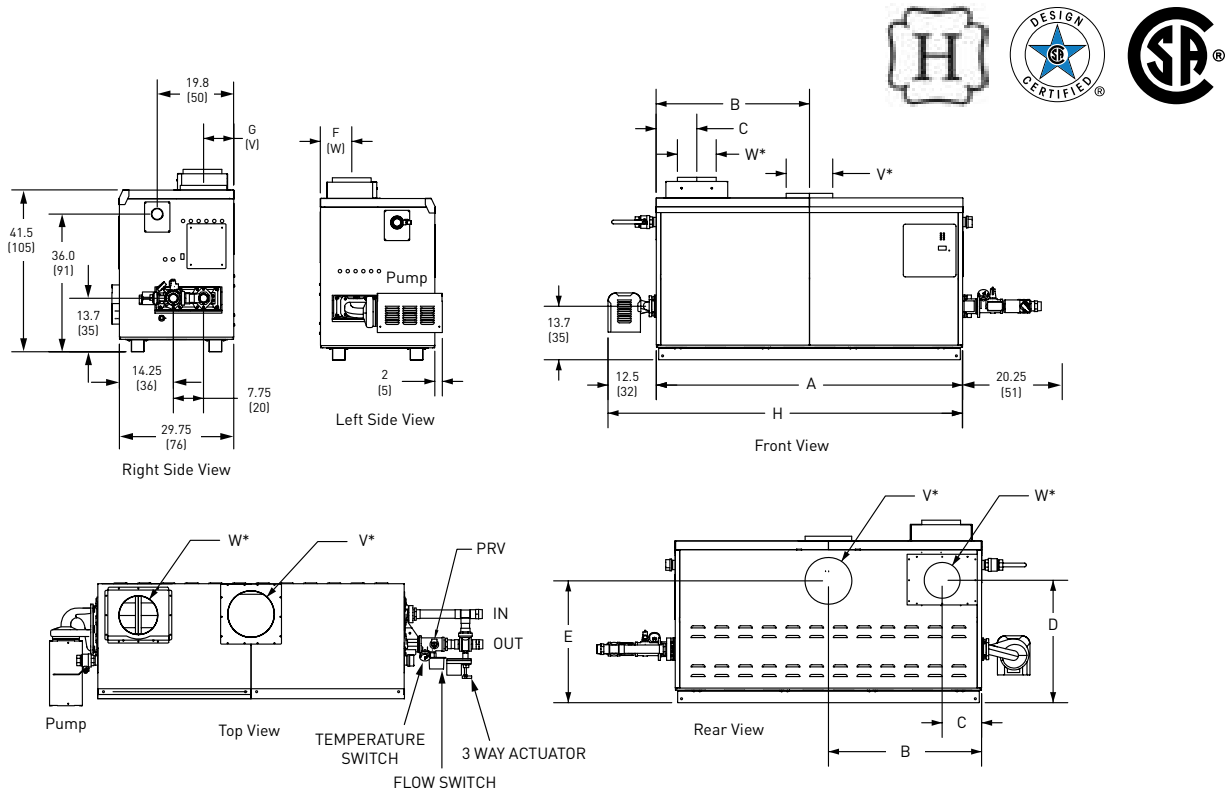
Ordering Information

Product	BTUs (000's)	Installation	Gas Type	Pump System	Heat Exchanger	Carton Wt. (Lbs.)
COMMERCIAL POWERMAX NATURAL GAS MODELS 60HZ						
PM0500NACC3BXN	500	Indoor/Outdoor	Natural	Pump Mounted	Copper	495
PM0750NACC3BXN	750	Indoor/Outdoor	Natural	Pump Mounted	Copper	575
PM1000NACC3BXN	1000	Indoor/Outdoor	Natural	Pump Mounted	Copper	685
PM1250NACC3BXN	1250	Indoor/Outdoor	Natural	Pump Mounted	Copper	730
PM1500NACC3BXN	1500	Indoor/Outdoor	Natural	Pump Mounted	Copper	830
PM1750NACC3BXN	1750	Indoor/Outdoor	Natural	Pump Mounted	Copper	880
PM2000NACC3BXN	2000	Indoor/Outdoor	Natural	Pump Mounted	Copper	1025
PM0500NACC3PXN	500	Indoor/Outdoor	Natural	Pump Mounted	CuproNickel	495
PM0750NACC3PXN	750	Indoor/Outdoor	Natural	Pump Mounted	CuproNickel	575
PM1000NACC3PXN	1000	Indoor/Outdoor	Natural	Pump Mounted	CuproNickel	685
PM1250NACC3PXN	1250	Indoor/Outdoor	Natural	Pump Mounted	CuproNickel	730
PM1500NACC3PXN	1500	Indoor/Outdoor	Natural	Pump Mounted	CuproNickel	830
PM1750NACC3PXN	1750	Indoor/Outdoor	Natural	Pump Mounted	CuproNickel	880
PM2000NACC3PXN	2000	Indoor/Outdoor	Natural	Pump Mounted	CuproNickel	1025
COMMERCIAL POWERMAX PROPANE GAS MODELS 60HZ						
PM0500PACC3BXN	500	Indoor/Outdoor	Propane	Pump Mounted	Copper	495
PM0750PACC3BXN	750	Indoor/Outdoor	Propane	Pump Mounted	Copper	575
PM1000PACC3BXN	1000	Indoor/Outdoor	Propane	Pump Mounted	Copper	685
PM1250PACC3BXN	1250	Indoor/Outdoor	Propane	Pump Mounted	Copper	730
PM1500PACC3BXN	1500	Indoor/Outdoor	Propane	Pump Mounted	Copper	830
PM1750PACC3BXN	1750	Indoor/Outdoor	Propane	Pump Mounted	Copper	880
PM2000PACC3BXN	2000	Indoor/Outdoor	Propane	Pump Mounted	Copper	1025
PM0500PACC3PXN	500	Indoor/Outdoor	Propane	Pump Mounted	CuproNickel	495
PM0750PACC3PXN	750	Indoor/Outdoor	Propane	Pump Mounted	CuproNickel	575
PM1000PACC3PXN	1000	Indoor/Outdoor	Propane	Pump Mounted	CuproNickel	685
PM1250PACC3PXN	1250	Indoor/Outdoor	Propane	Pump Mounted	CuproNickel	730
PM1500PACC3PXN	1500	Indoor/Outdoor	Propane	Pump Mounted	CuproNickel	830
PM1750PACC3PXN	1750	Indoor/Outdoor	Propane	Pump Mounted	CuproNickel	880
PM2000PACC3PXN	2000	Indoor/Outdoor	Propane	Pump Mounted	CuproNickel	1025
POWERMAX STACKING SYSTEMS						
Product	Type	Heater Model		Product	Type	Heater Model
CA000800	Rack	PM500		CA001100	Rack	PM1250
CA000900	Rack	PM750		CA001200	Rack	PM1500, PM1750
CA0001000	Rack	PM1000		CA001300	Rack	PM2000

COMMERCIAL POWERMAX® (CONT'D)

HIGH PERFORMANCE ELECTRONIC IGNITION HEATER

Dimensions and Performance



Dimensional Data

Dimensions shown in inches, cm.

Size (000's)	A		B		C		D		E		F		G		H		Air Conn. W*		Vent Conn. V*		Horiz. Vent Pipe	
500	33½	85	15¾	40	5¾	15	29¾	76	32¾	83	7¾	20	8¾	22	46	117	6	15	8	15	6	15
750	45½	116	21¾	55	5¾	15	29¾	76	32¾	83	7¾	20	8¾	22	58	147	6	15	10	20	8	15
1000	57½	146	28¾	73	5¾	15	29¾	76	32¾	83	7¾	20	7	18	70	178	8	20	10	25	8	20
1250	68	172	34	86	10¼	26	30¾	78	29½	75	8¾	22	8¾	22	80	203	8	20	12	30	8	20
1500	78½	199	39¾	101	10¼	26	30¾	78	29½	75	8¾	22	8¾	22	91	231	8	20	12	30	8	20
1750	89	226	44½	113	10¼	26	30¾	78	29½	75	8¾	22	8¾	22	101	256	8	20	14	36	8	20
2000	99½	253	49¾	126	10¼	26	30¾	78	29½	75	8¾	22	8¾	22	112	284	12	30	14	36	12	30

*Air and vent connections may be on top or back of the PowerMax, and are field convertible.

Sizing Data

Indoor Model	Input ¹ BTU/h x1000	Output ¹ BTU/h x1000	Gas Conn. Size inches ²	Heater Water Conn. Size inches ²	Mixing System Water Conn. Size inches ²	Shipping Weight	
						lbs.	kg
500	500	425	1¼	2	2	495	225
750	750	638	1¼	2	2	575	261
1000	999	849	1½	2½	2	685	311
1250	1250	1063	2	2½	2	730	331
1500	1500	1275	2	2½	2	830	377
1750	1750	1488	2	2½	2	880	400
2000	1999	1699	2	2½	2	1025	465

NOTES: 1. Input and output must be derated 2% per 1000 feet above sea level when installed above 2000 feet altitude.
2. Dimensions are nominal.

COMMERCIAL MEGATHERM®

HIGH PERFORMANCE ELECTRONIC IGNITION HEATER

Featured Highlights

- Electronic ignition
- Built-in draft diverter (indoor models) simplifies installation
- Integral pump assures proper water flow (models 500-1825)
- High temperature refractory firebox liner to 2000o F for greater efficiency
- Easy-to-service header flanges
- Corrosion-resistant glass-lined headers
- CSA Certified
- CSD-1 and other options available. Contact factory for part numbers
- Start-up service by an authorized representative is strongly recommended before regular operation

Commercial
MegaTherm
Heater



MegaTherm Pool Heaters are designed for commercial, institutional and large residential where economical performance and rapid heat-up are required. Available in indoor and outdoor models in both natural and propane. MegaTherm is design verified to the ANSI Z21.56 Standard for Gas-Fired Pool Heaters (Outdoor 5---1825 units are certified for use without the addition of a draft diverter or external vent. Indoor units incorporate a built-in draft diverter and require only vent piping.)

Ordering Information

Product	BTUs (000's)	Installation	Gas Type	Pump System	Heat Exchanger	Carton Wt. (Lbs.)
COMMERCIAL MEGATHERM NATURAL GAS MODELS 60HZ						
MT0500IN09C1PC	500	Indoor	Natural	Pump Mounted	Copper	808
MT0600IN09C1PC	600	Indoor	Natural	Pump Mounted	Copper	819
MT0715IN09C1PC	715	Indoor	Natural	Pump Mounted	Copper	873
MT0850IN09C1PC	850	Indoor	Natural	Pump Mounted	Copper	945
MT0999IN09C1PC	999	Indoor	Natural	Pump Mounted	Copper	1041
MT1010IN09C1PC	1010	Indoor	Natural	Pump Mounted	Copper	1041
MT1200IN09C1PC	1200	Indoor	Natural	Pump Mounted	Copper	1199
MT1430IN09C1PC	1430	Indoor	Natural	Pump Mounted	Copper	1280
MT1670IN09CBPC	1670	Indoor	Natural	Pump Mounted	Copper	1445
MT1825IN09CBPC	1825	Indoor	Natural	Pump Mounted	Copper	1570
MT0500IN09C1PN	500	Indoor	Natural	Pump Mounted	CuproNickel	808
MT0600IN09C1PN	600	Indoor	Natural	Pump Mounted	CuproNickel	819
MT0715IN09C1PN	715	Indoor	Natural	Pump Mounted	CuproNickel	873
MT0850IN09C1PN	850	Indoor	Natural	Pump Mounted	CuproNickel	945
MT0999IN09C1PN	999	Indoor	Natural	Pump Mounted	CuproNickel	1041
MT1010IN09C1PN	1010	Indoor	Natural	Pump Mounted	CuproNickel	1041
MT1200IN09C1PN	1200	Indoor	Natural	Pump Mounted	CuproNickel	1199
MT1430IN09C1PN	1430	Indoor	Natural	Pump Mounted	CuproNickel	1280
MT1670IN09CBPN	1670	Indoor	Natural	Pump Mounted	CuproNickel	1445
MT1825IN09CBPN	1825	Indoor	Natural	Pump Mounted	CuproNickel	1570
MT0500EN09CBPC	500	Outdoor	Natural	Pump Mounted	Copper	855
MT0600EN09CBPC	600	Outdoor	Natural	Pump Mounted	Copper	949
MT0715EN09CBPC	715	Outdoor	Natural	Pump Mounted	Copper	1050
MT0850EN09CBPC	850	Outdoor	Natural	Pump Mounted	Copper	1100
MT0999EN09CBPC	999	Outdoor	Natural	Pump Mounted	Copper	1240
MT1010EN09CBPC	1010	Outdoor	Natural	Pump Mounted	Copper	1240
MT1200EN09CBPC	1200	Outdoor	Natural	Pump Mounted	Copper	1410
MT1430EN09CBPC	1430	Outdoor	Natural	Pump Mounted	Copper	1570
MT1670EN09CBPC	1670	Outdoor	Natural	Pump Mounted	Copper	1622
MT1825EN09CBPC	1825	Outdoor	Natural	Pump Mounted	Copper	1725
MT0500EN09CBPN	500	Outdoor	Natural	Pump Mounted	CuproNickel	855

COMMERCIAL MEGATHERM® (CONT'D)

HIGH PERFORMANCE ELECTRONIC IGNITION HEATER

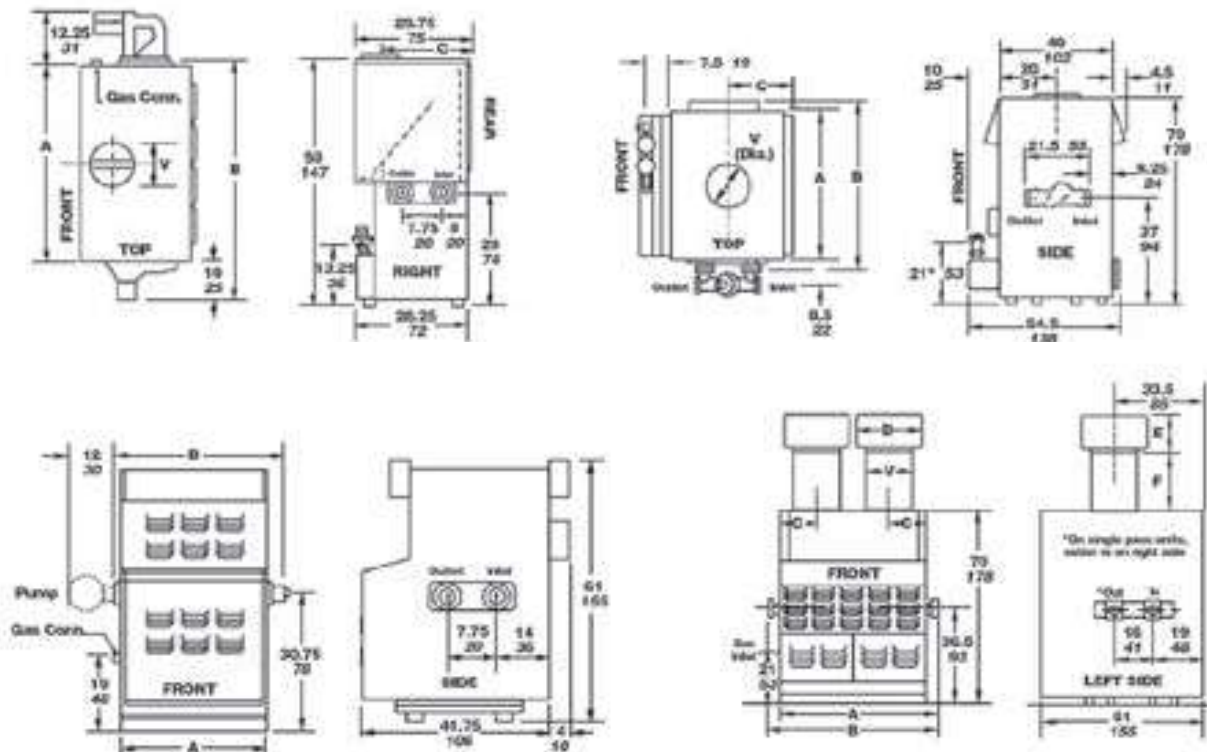
Product	BTUs (000's)	Installation	Gas Type	Pump System	Heat Exchanger	Carton Wt. (Lbs.)
COMMERCIAL MEGATHERM NATURAL GAS MODELS 60HZ						
MT0600EN09CBPN	600	Outdoor	Natural	Pump Mounted	CuproNickel	949
MT0715EN09CBPN	715	Outdoor	Natural	Pump Mounted	CuproNickel	1050
MT0850EN09CBPN	850	Outdoor	Natural	Pump Mounted	CuproNickel	1100
MT0999EN09CBPN	999	Outdoor	Natural	Pump Mounted	CuproNickel	1240
MT1010EN09CBPN	1010	Outdoor	Natural	Pump Mounted	CuproNickel	1240
MT1200EN09CBPN	1200	Outdoor	Natural	Pump Mounted	CuproNickel	1410
MT1430EN09CBPN	1430	Outdoor	Natural	Pump Mounted	CuproNickel	1570
MT1670EN09CBPN	1670	Outdoor	Natural	Pump Mounted	CuproNickel	1622
MT1825EN09CBPN	1825	Outdoor	Natural	Pump Mounted	CuproNickel	1725
MT2000IN18CCAC	2000	Indoor	Natural	Less Pump	Copper	1950
MT2450IN18CCAC	2450	Indoor	Natural	Less Pump	Copper	2100
MT3050IN18CCAC	3050	Indoor	Natural	Less Pump	Copper	2250
MT3500IN18CCAC	3500	Indoor	Natural	Less Pump	Copper	2510
MT4050IN18CCAC	4050	Indoor	Natural	Less Pump	Copper	2750
MT4500IN18CCAC	4500	Indoor	Natural	Less Pump	Copper	2900
MT5000IN18CCAC	5000	Indoor	Natural	Less Pump	Copper	3200
MT2000IN18CCAN	2000	Indoor	Natural	Less Pump	CuproNickel	1950
MT2450IN18CCAN	2450	Indoor	Natural	Less Pump	CuproNickel	2100
MT3050IN18CCAN	3050	Indoor	Natural	Less Pump	CuproNickel	2250
MT3500IN18CCAN	3400	Indoor	Natural	Less Pump	CuproNickel	2510
MT4050IN18CCAN	4050	Indoor	Natural	Less Pump	CuproNickel	2750
MT4500IN18CCAN	4500	Indoor	Natural	Less Pump	CuproNickel	2900
MT5000IN18CCAN	5000	Indoor	Natural	Less Pump	CuproNickel	3200
MT2200EN18CCAC	2200	Outdoor	Natural	Less Pump	Copper	2320
MT2800EN18CCAC	2800	Outdoor	Natural	Less Pump	Copper	2500
MT3200EN18CCAC	3200	Outdoor	Natural	Less Pump	Copper	2840
MT3600EN18CCAC	3600	Outdoor	Natural	Less Pump	Copper	3175
MT4000EN18CCAC	4000	Outdoor	Natural	Less Pump	Copper	3940
MT4500EN18CCAC	4500	Outdoor	Natural	Less Pump	Copper	3790
MT2200EN18CCAN	2200	Outdoor	Natural	Less Pump	CuproNickel	2320
MT2800EN18CCAN	2800	Outdoor	Natural	Less Pump	CuproNickel	2500
MT3200EN18CCAN	3200	Outdoor	Natural	Less Pump	CuproNickel	2840
MT3600EN18CCAN	3600	Outdoor	Natural	Less Pump	CuproNickel	3175
MT4000EN18CCAN	4000	Outdoor	Natural	Less Pump	CuproNickel	3940
MT4500EN18CCAN	4500	Outdoor	Natural	Less Pump	CuproNickel	3790
COMMERCIAL MEGATHERM PROPANE MODELS 60HZ						
MT0500IP09C1PC	500	Indoor	Propane	Pump Mounted	Copper	808
MT0600IP09C1PC	600	Indoor	Propane	Pump Mounted	Copper	819
MT0715IP09C1PC	715	Indoor	Propane	Pump Mounted	Copper	873
MT0850IP09C1PC	850	Indoor	Propane	Pump Mounted	Copper	945
MT0999IP09C1PC	999	Indoor	Propane	Pump Mounted	Copper	1041
MT1010IP09C1PC	1010	Indoor	Propane	Pump Mounted	Copper	1041
MT1200IP09C1PC	1200	Indoor	Propane	Pump Mounted	Copper	1199
MT1430IP09C1PC	1430	Indoor	Propane	Pump Mounted	Copper	1280
MT1670IP09CBPC	1670	Indoor	Propane	Pump Mounted	Copper	1445
MT1825IP09CBPC	1825	Indoor	Propane	Pump Mounted	Copper	1570
MT0500IP09C1PN	500	Indoor	Propane	Pump Mounted	CuproNickel	808
MT0600IP09C1PN	600	Indoor	Propane	Pump Mounted	CuproNickel	819
MT0715IP09C1PN	715	Indoor	Propane	Pump Mounted	CuproNickel	873
MT0850IP09C1PN	850	Indoor	Propane	Pump Mounted	CuproNickel	945

COMMERCIAL MEGATHERM® (CONT'D)

HIGH PERFORMANCE ELECTRONIC IGNITION HEATER

Product	BTUs (000's)	Installation	Gas Type	Pump System	Heat Exchanger	Carton Wt. (Lbs.)
COMMERCIAL MEGATHERM NATURAL GAS MODELS 60HZ						
MT0999IP09C1PN	999	Indoor	Propane	Pump Mounted	CuproNickel	1041
MT1010IP09C1PN	1010	Indoor	Propane	Pump Mounted	CuproNickel	1041
MT1200IP09C1PN	1200	Indoor	Propane	Pump Mounted	CuproNickel	1199
MT1430IP09C1PN	1430	Indoor	Propane	Pump Mounted	CuproNickel	1280
MT1670IP09CBPN	1670	Indoor	Propane	Pump Mounted	CuproNickel	1445
MT1825IP09CBPN	1825	Indoor	Propane	Pump Mounted	CuproNickel	1570
MT0500EP09CBPC	500	Outdoor	Propane	Pump Mounted	Copper	855
MT0600EP09CBPC	600	Outdoor	Propane	Pump Mounted	Copper	949
MT0715EP09CBPC	715	Outdoor	Propane	Pump Mounted	Copper	1050
MT0850EP09CBPC	850	Outdoor	Propane	Pump Mounted	Copper	1100
MT0999EP09CBPC	999	Outdoor	Propane	Pump Mounted	Copper	1240
MT1010EP09CBPC	1010	Outdoor	Propane	Pump Mounted	Copper	1240
MT1200EP09CBPC	1200	Outdoor	Propane	Pump Mounted	Copper	1410
MT1430EP09CBPC	1430	Outdoor	Propane	Pump Mounted	Copper	1570
MT1670EP09CBPC	1670	Outdoor	Propane	Pump Mounted	Copper	1622
MT1825EP09CBPC	1825	Outdoor	Propane	Pump Mounted	Copper	1725
MT0500EP09CBPN	500	Outdoor	Propane	Pump Mounted	CuproNickel	855
MT0600EP09CBPN	600	Outdoor	Propane	Pump Mounted	CuproNickel	949
MT0715EP09CBPN	715	Outdoor	Propane	Pump Mounted	CuproNickel	1050
MT0850EP09CBPN	850	Outdoor	Propane	Pump Mounted	CuproNickel	1100
MT0999EP09CBPN	999	Outdoor	Propane	Pump Mounted	CuproNickel	1240

Dimensions and Performance



* Dimensions are in inches

ULTRATEMP® HEAT PUMP

HIGH PERFORMANCE HEAT PUMP

TRADEGRADE

eco select®



UltraTemp 120Q Heat Pump

Featured Highlights

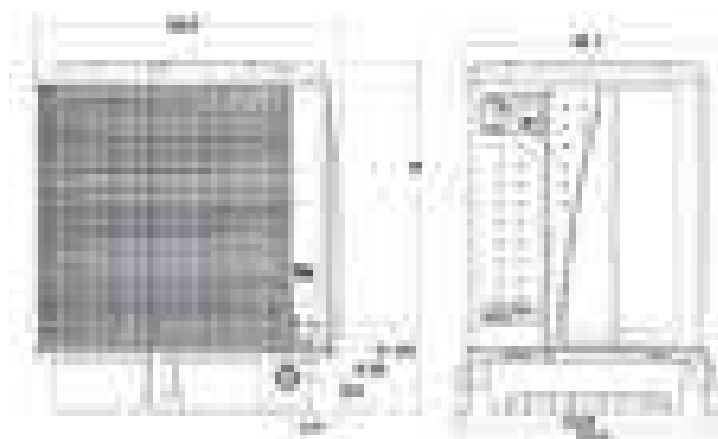
- 100% titanium heat exchanger assures corrosion-free performance for extra long life
- R410a refrigerant
- LCD control board displays an intuitive menu-driven read out with easy to follow full word messages...no more codes
- Automatic defrost feature senses refrigerant temperature and prevents freezing, allowing the heat pump to operate at even lower temperatures
- Compatible with ALL automated control packages
- Long-life corrosion resistant plastic composite cabinet stands up to severe climates and pool chemicals
- ETL listed for safe operation
- Thermostatic Expansion Valve (TXV) controls refrigerant flow for optimum efficiency and BTU output over a wider operating range
- Highest efficiency available, meets or exceeds existing codes and standards
- BTU and efficiency performance independently certified by the Air-Conditioning, Heating and Refrigeration Institute, AHRI

Ordering Information

Part #		Model	80/80/80* BTU/COP	80/63/80* BTU/COP	50/63/80* BTU/COP	Freq (Hz)	Breaker Size [amp]	Phase	Volt	Ctn Qty.	Ctn Wt.	"A" Dim.
BLACK	ALMOND											
ULTRATEMP HEAT PUMP 60HZ												
460960	460930	70	75,000/5.9	70,000/5.7	50,000/4.0	60	40	1	230	1	290	33.5
460961	460931	90	90,000/5.8	85,000/5.6	60,000/4.0	60	50	1	230	1	300	33.5
460962	460932	110	110,000/6.1	101,000/5.8	70,000/4.0	60	50	1	230	1	271	45.5
460863	460833	120Q	127,000/5.7	120,000/5.5	80,000/4.0	60	50	1	230	1	270	48.1
460964	460934	140	145,000/5.8	135,000/5.6	90,000/4.0	60	50	1	230	1	335	45.5
460965	460935	120 H/C	125,000 Heat/5.5 71,000 Cool/4.1	118,000/5.3	80,000/4.0	60	50	1	230	1	283	45.5
460959	460958	140 H/C	140,000 Heat/5.6 71,000 Cool/4.1	132,000/5.4	85,000/4.0	60	50	1	230	1	344	45.5
462033	462032	140 H/C AD	138,000 Heat/5.6 70,000 Cool/4.1	130,000/5.4	84,000/4.0	60	50	1	230	1	344	45.5
460967	460937	120 C	122,000/5.5	114,000/5.3	76,000/4.0	60	50	3	230	1	264	45.5
460929	460928	140C	140,000/5.7	130,000/5.5	85,000/4.0	60	50	3	230	1	335	45.5

*Rating in accordance with ARI Standard 1160
(air temp. °F. / % relative humidity / water temp °F.)

Dimensions and Performance



The AHRI Certified® Mark is applied only to HVACR equipment and components that have been independently tested to certify manufacturers' performance claims are accurate. Visit www.ahridirectory.org for a complete list of certified products.

CEC indicates that Heat Pump has been evaluated to California Title-20, listed in the California Energy Commission's (CEC) database of compliant heat pumps, and certified to use on Residential Swimming Pool Filtration Systems.

ULTRATEMP™ HXi

INVERTER HEAT PUMP

Featured Highlights

- Full inverter heat pump with variable speed compressor and fan motor. Side fan design
- R32 refrigerant
- Silent running mode, for neighbourhood peace and quiet
- Energy efficiency among the highest in its class with COP ratings far in excess of standard heat pumps
- Titanium threaded heat exchanger assures corrosion-free performance
- Intuitive colour LCD touch screen
- Heats, cools and offers auto defrost



UltraTemp™ HXi heat pump



The Pentair UltraTemp™ HXi heat pump automatically heats or cools your pool according to the desired temperature. It adapts to outdoor conditions to ensure optimum bathing comfort while minimising energy consumption. Equipped with full-inverter technology, the new Pentair UltraTemp™ HXi heat pump delivers powerful, yet quiet, performance, thanks to the combination of a variable speed compressor and fan motor. They adjust their speed automatically following the operating mode selected by the user via the colour touchscreen or optional app.

Ordering Information

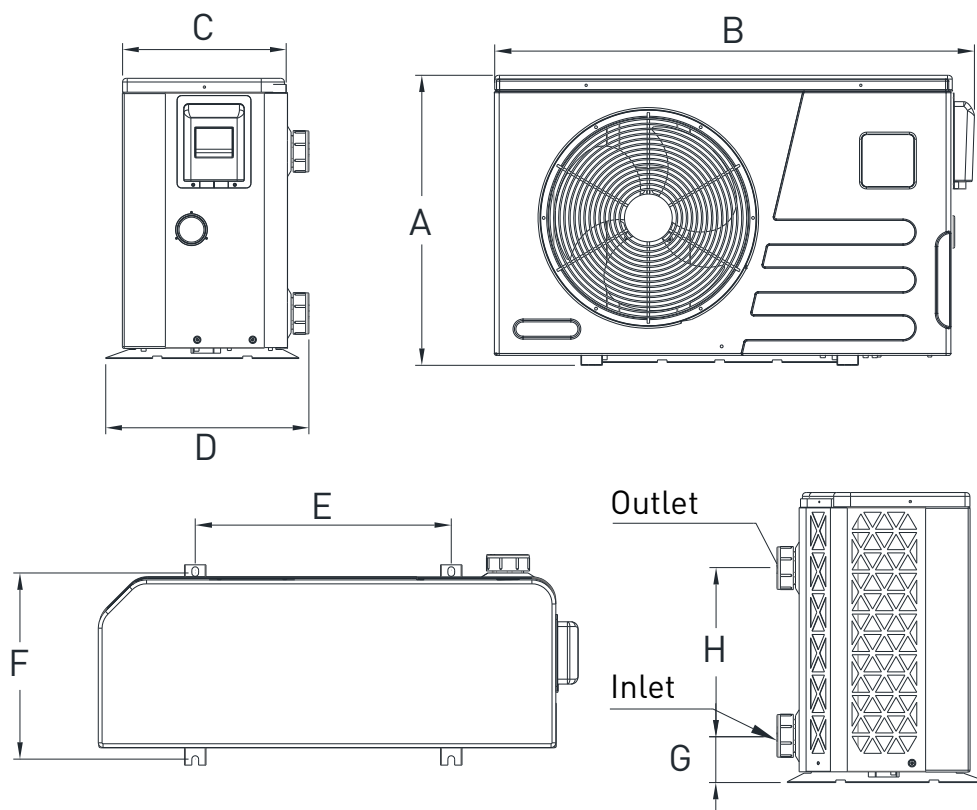
Product	Description	27/26/80 Heating Capacity ¹	COP	Min Flow (LPM)	Power Input (kW)	Voltage	Current (A)	Carton Dim. (mm)	Carton Wt (kg)	Pallet Qty.
ULTRATEMP HXi INVERTER HEAT PUMPS 50 & 60HZ										
UTHP-9-HXi	UltraTemp HXi, 9kW	9	14.2-6.4	53	1.41	230-240V	8.4	1030×470×745	54	3
UTHP-12-HXi	UltraTemp HXi, 12kW	12	14.1-6.3	66	1.9	230-240V	10.9	1030×470×745	61	3
UTHP-16-HXi	UltraTemp HXi, 16kW	16	13.9-6.3	86	2.54	230-240V	16.6	1100×500×910	74	2
UTHP-20-HXi	UltraTemp HXi, 20kW	20	13.8-6.2	100	3.08	230-240V	17.5	1200×545×1010	86	2
UTHP-24-HXi	UltraTemp HXi, 24kW	24.3	14.5-6.5	141	3.74	230-240V	22	1200×545×1010	98	2
UTHP-28T-HXi	UltraTemp HXi, 28kW	28.2	14.3-6.4	158	4.41	380V	11	1200×545×1010	104	2

¹ At conditions of 27°C air temperature, 26°C water temperature and 80% humidity

ULTRATEMP™ HXi (CONT'D)

INVERTER HEAT PUMP

Dimensions and Performance



Heat Pump Model	UTHP-9-HXi UTHP-12-HXi	UTHP-16-HXi	UTHP-20-HXi UTHP-24-HXi UTHP-28-HXi
A (mm)	625MM	775MM	855MM
B (mm)	1015MM	1025MM	1159MM
C (mm)	350MM	385MM	428MM
D (mm)	425MM	475MM	520MM
E (mm)	535MM	615MM	790MM
F (mm)	385MM	430MM	467MM
G (mm)	95MM	95MM	100MM
H (mm)	350MM	350MM	465MM

ULTRATEMP™ VXi

INVERTER HEAT PUMP

Featured Highlights

- Full inverter heat pump with variable speed compressor and fan motor. Top Fan design
- R32 refrigerant
- Energy efficiency among the highest in its class with COP ratings far in excess of standard heat pumps
- Titanium threaded heat exchanger assures corrosion-free performance
- Intuitive LCD touch screen
- Heats, cools and offers auto defrost
- Corrosion protection Hydrophilic Evaporator Coating
- Filter dryer eliminates ice and dirt block and also attenuates noise for quiet operation



UltraTemp™ VXi heat pump



The swimming pool heat pump is one of the most economical ways of heating your swimming pool efficiently. Using the free renewable energy from the air, it is up to 14 times more efficient than traditional heating. The swimming pool heat pump extends your swimming season and gives you comfort at high level. You could enjoy swimming not only in summer, but also in spring, autumn and even winter time.

Ordering Information

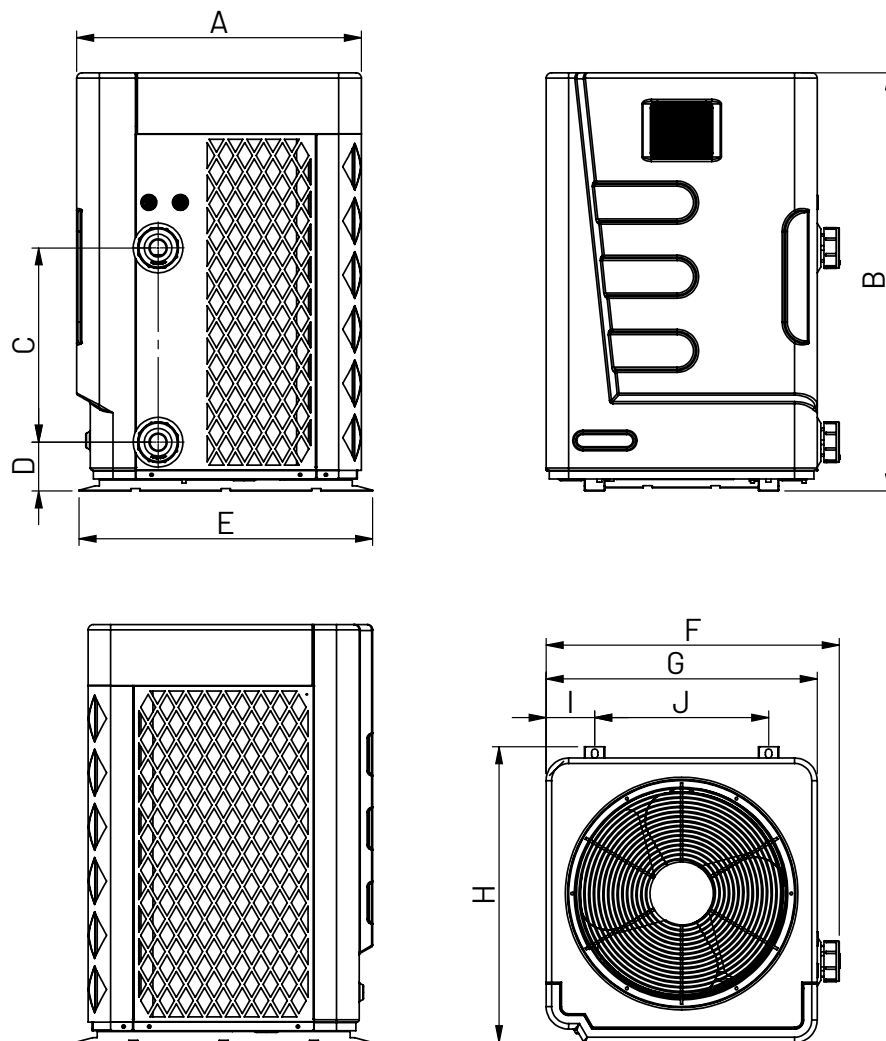
Product	Description	27/26/80 Heating Capacity ¹	COP	Min Flow	Power Input	Voltage	Carton Dim. (mm)	Carton Wt. (Kg)	Pallet Qty.
ULTRATEMP VXi INVERTER HEAT PUMPS 50 & 60HZ									
UTHP-13-VXi	ULTRATEMP VXi 13KW	13.5	6.5-13.5	108	2.08	230-240V	670×655×926	90	1
UTHP-17-VXi	ULTRATEMP VXi 17KW	17.5	6.4-13.8	133	2.73	230-240V	670×655×926	98	1
UTHP-20-VXi	ULTRATEMP VXi 20KW	20.6	6.5-13.6	158	3.17	230-240V	763×745×1090	137	1
UTHP-24-VXi	ULTRATEMP VXi 24KW	24	6.8-14.2	166	3.53	230-240V	763×745×1090	140	1
UTHP-24T-VXi	ULTRATEMP VXi 24KW 3PH	24	6.8-14.5	166	3.53	380V	763×745×1090	140	1
UTHP-28-VXi	ULTRATEMP VXi 28KW	28	6.5-14.2	200	4.31	230-240V	825×820×1257	160	1
UTHP-28T-VXi	ULTRATEMP VXi 28KW 3PH	28	6.5-14.2	200	4.31	380V	825×820×1257	160	1
UTHP-32T-VXi	ULTRATEMP VXi 32KW 3PH	32	6.5-13.5	250	5	380V	825×820×1257	165	1

¹ At conditions of 27°C air temperature, 26°C water temperature and 80% humidity

ULTRATEMP™ VXi (CONT'D)

INVERTER HEAT PUMP

Dimensions And Performance



	UTHP-13-VXi, UTHP-17-VXi	UTHP-20-VXi, UTHP-20T-VXi, UTHP-24-VXi, UTHP-24T-VXi	UTHP-28-VXi, UTHP-28T-VXi, UTHP-32T-VXi
A	630 mm	720 mm	784 mm
B	944.0 mm	1115 mm	1257 mm
C	430 mm	466 mm	600 mm
D	108.0 mm	98.0 mm	98.0 mm
E	655 mm	745 mm	820 mm
F	671 mm	762 mm	835 mm
G	600 mm	690 mm	753 mm
H	655 mm	745 mm	820 mm
I	107.0 mm	130 mm	109.0 mm
J	385 mm	470 mm	535 mm

MEHP RANGE

COMMERCIAL HEAT PUMP

Featured Highlights

- Designed for large pools.
- Galvanized steel cabinet with epoxy coating.
- Titanium spiral heat exchanger with PVC tank for optimized performances.
- Optimal COP thanks to an efficient EEV that regulates refrigerant flow.
- "Blue Fins" Evaporator: corrosion resistant and with hydrophobic coating.
- A robust and efficient scroll compressor.
- Equipped with a LED display with three operating modes: heating, cooling and automatic.
- Maximum working temp: +42°C.



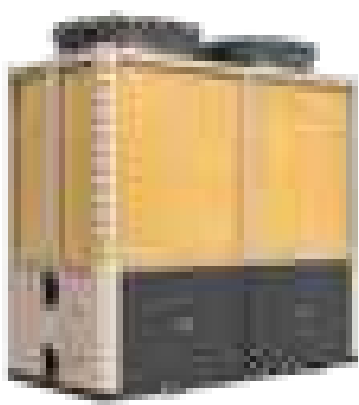
MEHP 35/50/90/110

Ordering Information

Models			MEHP 35	MEHP 50	MEHP 90	MEHP 110
Condenser			Titanium in PVC			
Water inlet/outlet			2" Port		Dia.90 flange	
Power Supply		V/Ph/Hz	380-415V/3Ph/50Hz			
Working Condition			-5°C ~ 45°C			
Refrigerant Type			R410a			
Performance Condition [27°C Air Temperature, 27°C Water Temperature]						
Heating Capacity		kW	32.40	52.68	89.10	105.57
		BTU	110553	179752	304022	360220
COP			5.2	5.1	5.1	5.1
Performance Condition [15°C Air Temperature, 26°C Water Temperature]						
Heating Capacity		kW	28.20	43.90	69.00	80.40
		BTU	96222	149793	235438	274336
COP			5.0	4.8	4.4	4.1
Performance Condition [35°C Air Temperature, 27°C Water Temperature]						
Cooling Capacity		kW	23.15	33.73	45.00	55.00
		BTU	78991	115091	153546	187668
EER			2.7	2.6	2.3	2.1
Technical Specifications						
Nominal Water Flow		m3/h	15.0	21.5	34.4	43.0
Sound Pressure @ 1m		dB(A)	55	55	58	58
Air flow		m3/h	7000*2	7000*2	10800*2	10800*2
Fan motor speed		RPM	800	800	850	850
Fan blade diameter		mm	556	556	630	20-30
Unit Dimension		L*W*H	mm	1450*702*950	1450*702*1260	2000*900*1880
Packing Size		L*W*H	mm	1525*805*1110	1525*805*1420	2090*985*2120
Net Weight		kg	236	268	500	530

ULTRATEMP™ COMMERCIAL HEAT PUMPS

INVERTER HEAT PUMP



UltraTemp™ Commercial heat pump

Featured Highlights

- This inverter technology provides an energy-saving and stable solution for applications such as commercial pools, waterparks, etc.
- Full Inverter Technology: Inverter compressor and variable speed double fan.
- Soft Start with maximum stability and low energy consumption.
- Special blades design provides Lower operating noise compared to traditional heat pumps.
- Operates in a wide range air temperature, from -15°C to 43°C. Some models can operate under temperatures up to 55C (available upon request).

Pentair commercial heat pumps found around the world in resort, hotels, public swimming pools, schools and water parks. Wherever large bodies of water need to be reliably heated, you'll find Pentair. Pentair commercial heat pumps are equipped with a multi-unit integrated control that centralises temperature control and fault diagnostics for a much easier and more practical interface.

Ordering Information

Models		UTHP-65-VXi		UTHP-130-VXi		UTHP-250-VXi	
Power Supply		V/Ph/Hz		380V/3Ph/50&60Hz			
Working Condition		℃		-15 ~ 55			
Refrigerant Type				R410a			
Performance Condition [27℃ Air Temperature, 27℃ Water Temperature]							
Heating Capacity		kW	12.2-65.0	28.2-130.0		61.3-250.0	
		BTU	41638-221000	96245-443686		209215-853242	
COP			6.1-16.1	6.2-16.0		16.1-6.12	
Input Power		kW	0.76-10.65	1.76-20.97		3.81-40.85	
Performance Condition [15℃ Air Temperature, 26℃ Water Temperature]							
Heating Capacity		kW	9.6-50.1	22.2-100.0		90.0-169.0	
		BTU	32764-170989	75767-341296		307000-576600	
COP			4.91-8.4	4.9-8.5		3.95-5.26	
Input Power		kW	1.96-5.96	2.61-20.41		17.1-42.8	
Technical Specifications							
Nominal Water Flow		m3/h	25.0	45.0		100.0	
Water Pressure Drop (MAX)		kPa	15	25		100	
Max Sound Pressure @ 1m		dB(A)	60	63		70	
Inlet/Outlet Connection		mm	63	110		110	
Fan Number				2			
Unit Dimension	L*W*H	mm	1750×840×1750	2170×1150×2130		2480×1330×2360	
Net Weight		kg	358	640		1015	



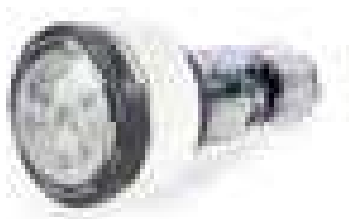
LIGHTING



MICROBRITE®

COLOR AND WHITE LED LIGHT

TRADEGRADE



MicroBrite Color and White LED Light

Featured Highlights

- Energy-saving, LED efficiency from the industry's most compact 12V LED plastic light
- Only 3.5 inches long, fits into narrow walls and tight spaces, can be installed horizontally or vertically
- No niche required — installs in any standard 1.5 inch pool wall fitting
- Connect to any Pentair control system or the Pentair Color Sync™ Controller
- MicroBrite Color Lights allow 5 predetermined fixed colors or 7 popular "color shows" that come preprogrammed into the MicroBrite Light

Give pools a brilliant lighting upgrade without the installation difficulties. Only 3.5-in. long, MicroBrite lights fit easily into standard 1.5-in. wall fittings and are suitable for retrofit into many pools with older fiber optic systems.

All Pentair UL Listed underwater lights are certified for use in fresh water with up to 6,000 ppm salinity.

Ordering Information

Product	Description	Color	Lights	Cord Length	Voltage	Watts
MICROBRITE LED LIGHT						
620424	MicroBrite Light	Color LED	One	50'	12V	12W
620425	MicroBrite Light	Color LED	One	100'	12V	12W
620426	MicroBrite Light	Color LED	One	150'	12V	12W
602166	MicroBrite-G Light	Color LED, for installation in Pentair GloBrite Niche or Pentair ColorVision Bubbler	One	150'	12V	12W
620428	MicroBrite Light	White LED	One	50'	12V	12W
620429	MicroBrite Light	White LED	One	100'	12V	12W
620430	MicroBrite Light	White LED	One	150'	12V	12W
602165	MicroBrite-G Light	White LED, for installation in Pentair GloBrite Niche or Pentair ColorVision Bubbler	One	150'	12V	12W
602156	MicroBrite Light	Warm White LED	One	50'	12V	12W
620457	MicroBrite Light	Warm White LED	One	100'	12V	12W
602155	MicroBrite Light	Warm White LED	One	150'	12V	12W
602167	MicroBrite-G Light	Warm White LED, for installation in Pentair GloBrite Niche or Pentair ColorVision Bubbler	One	150'	12V	12W
602157	MicroBrite Light	Turtle Edition*	One	150'	12V	12W

*620nm red/orange light, for special oceanfront pool applications in certain areas with regulations intended to protect sea turtles.

Note: Appearance of color and white LED light may vary between various models of lights. Appearance and perception of pool lighting may vary depending on a number of factors including, but not limited to, the particular model of light, the location/depth/angle of the light's installation, pool finish/material, pool depth/shape/geometry, ambient light sources, subjective factors and more. For best results when using multiple lights, use all the same model and do not mix multiple models of lights within a single installation.

MICROBRITE®

COLOR AND WHITE LED LIGHT

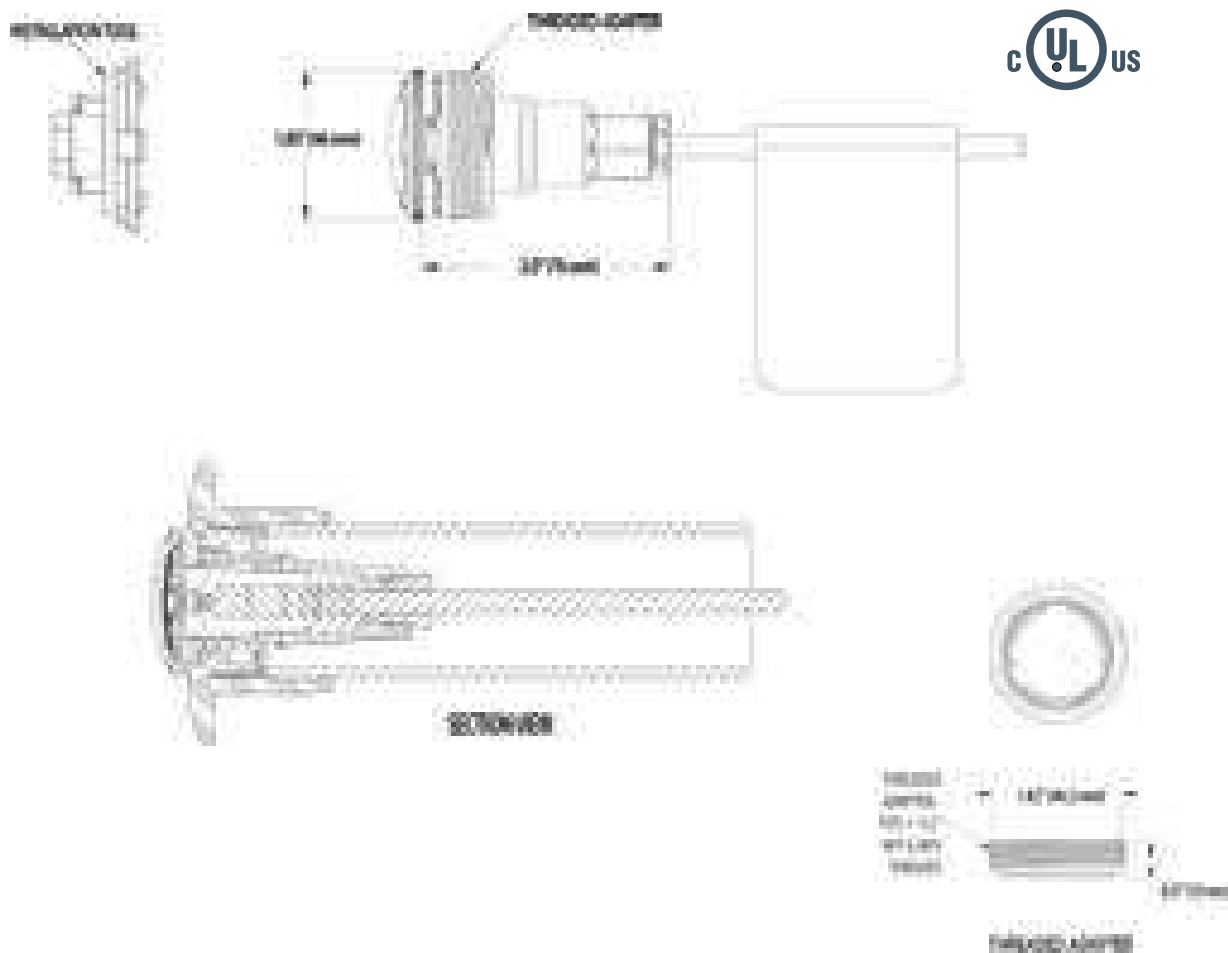
Product	Description	Color	Lights	Cord Length	Voltage
MICROBRITE COMBO KITS WITH 300 WATT TRANSFORMER					
602130	MicroBrite 2 Light Combo Kit	Color LED	Two	100'	12V
602131	MicroBrite 2 Light Combo Kit	White LED	Two	100'	12V
602132	MicroBrite 2 Light Combo Kit	Warm White LED	Two	100'	12V
602133	MicroBrite 4 Light Combo Kit	Color LED	Four	100'	12V
602134	MicroBrite 4 Light Combo Kit	White LED	Four	100'	12V
602135	MicroBrite 4 Light Combo Kit	Warm White LED	Four	100'	12V

Note: A 300W transformer is included in each combo kit. Transformer is 120V input, 12V-14V output.

Product	Description
REPLACEMENT KITS	
620460	MicroBrite Light Adaptor, Replacement
620459	Installation Tool, Replacement. (Hex/Wrench Style)
602158Z	Installation Tool, Replacement (Hand/Grip Style)
620463	Conduit Seal O-Ring, Replacement
618040	Adapter for MicroBrite to GloBrite

Product	Voltage	Wattage
TRANSFORMERS (LANDSCAPE POOL RATED)		
619962	120V Input, 12-14V Output	100W
619963	120V Input, 12-14V Output	300W

Dimensions and Certifications



INTELLIBRITE

ARCHITECTURAL SERIES POOL & SPA LIGHTING

TRADEGRADE



IntelliBrite Architectural
Series Pool Lights

IntelliBrite Architectural
Series Spa Lights

Featured Highlights

- More light, more energy efficient — now 60% brighter and 50% more energy efficient.*
- Spreads light widely and evenly in all directions using a 3D light engine and convex lens.
- Provides cleaner white light with no color separation thanks to improved optics.
- Color for every mood with five brilliant color lights and seven dynamic color-changing light shows.
- High-quality components add durability to the dazzle due to long-lasting construction.
- Compatibility with Pentair 10" and 6" niches enables an ideal upgrade from incandescent or first-generation LED lights.

Our most brilliant lighting innovation yet. Our improved patented design is the next generation of LED technology.

Ordering Information

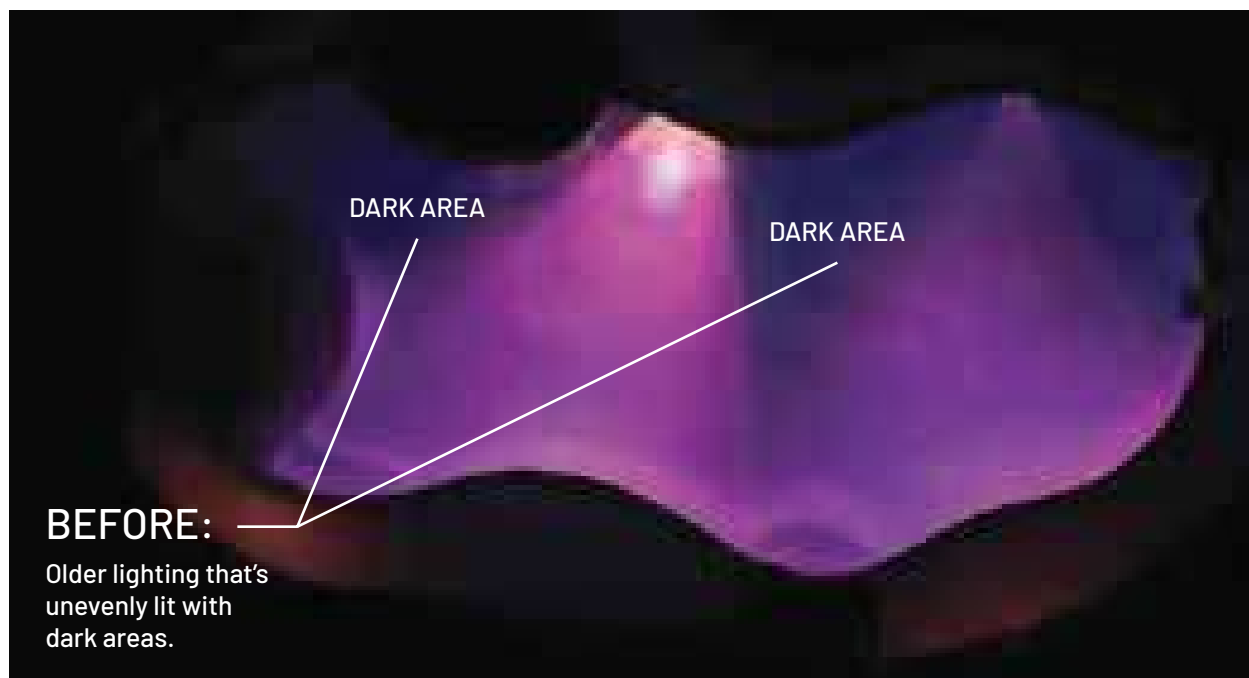
Product Number By Cord Length (Feet)					Size	Model	Voltage	Power
30'	50'	100'	150'	250'				
INTELLIBRITE ARCHITECTURAL SERIES POOL & SPA LIGHTING								
602185	602186	602187	602188	602206	Pool	Color	120V	28W
602151	602152	602153	602154	—	Pool	Color	12V	28W
602201	602202	602203	602204	602205	Spa	Color	120V	18W
602197	602198	602199	602200	—	Spa	Color	12V	18W
602181	602182	602183	602184	602207	Pool	White, 300W Equivalent	120V	26W
602143	602144	602145	602146	—	Pool	White, 300W Equivalent	12V	26W
602177	602178	602179	602180	602208	Poo	White, 500W Equivalent	120V	31W
602139	602140	602141	602142	—	Pool	White, 500W Equivalent	12V	31W
602193	602194	602195	602196	602209	Spa	White, 100W Equivalent	120V	18W
618015	618016	618017	618018	—	Spa	White, 100W Equivalent	12V	18W
602189	602190	602191	602192	602221	Pool	Warm White	120V	31W
602147	602148	602149	602150	—	Pool	Warm White	12V	31W
602225	602226	602227	602228	602229	Spa	Warm White	120V	18W
602238	602239	602240	602241	—	Spa	Warm White	12V	18W

* Compared to Pentair IntelliBrite 5G Color LED Pool Light in white color mode only. The IntelliBrite Architectural Series delivers higher lumen output depending on color mode, ranging from 28%–141% brighter, while energy efficiency improvements range from 17–58% based on color mode.

Appearance of color and white LED light may vary between various models of lights. Appearance and perception of pool lighting may vary depending on a number of factors including, but not limited to, the particular model of light, the location/depth/angle of the light's installation, pool finish/material, pool depth/shape/geometry, ambient light sources, subjective factors and more. For best results when using multiple lights, use all the same model and do not mix multiple models of lights within a single installation.

INTELLIBRITE

ARCHITECTURAL SERIES POOL & SPA LIGHTING



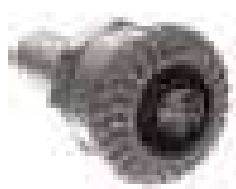
*Compared to Pentair IntelliBrite 5G Color LED Pool Light in white color mode only. The IntelliBrite Architectural Series delivers higher lumen output depending on color mode, ranging from 28%-141% brighter, while energy efficiency improvements range from 17-58% based on color mode.

Certifications

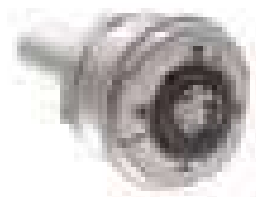


GLOBRITE® WHITE AND COLOR LED LIGHTS

UNDERWATER LED LIGHTS FOR SWIMMING POOLS AND SPAS

TRADEGRADE


GloBrite LED Light
Fiberglass Niche



GloBrite LED Light
Vinyl Niche



GloBrite LED Light
Gunite/Concrete Niche

Featured Highlights

- Advanced technology for energyefficient high quality pool lighting.
- Can be placed in as little as 4 in. of water even in the floor pointing up
- Does not require grounding or bonding for quick and easy installations
- 5 brilliant fixed colors and 7 preprogrammed light shows
- Compatible with all Pentair Lighting Controllers and Automation Systems for advanced control features
- Compatible with gunite/concrete, fiberglass and vinyl pools

GloBrite LED lighting is a brilliant way to showcase your backyard oasis and highlight pool features like sun shelves, steps, beach entries and bubblers.

Note: Only GloBrite **white** lights have two dimming levels.
GloBrite color lights cannot be dimmed.

Ordering Information

Product	Voltage	Wattage	Cord Length (Ft.)	Carton Qty.	Carton Wt. (Lbs.)
GLOBRITE COLOR LED LIGHTS					
602053	12	15W	30	1	5
602054	12	15W	50	1	6
602055	12	15W	100	1	9
602056	12	15W	150	1	12

Product	Voltage	Wattage	Cord Length (Ft.)	Carton Qty.	Carton Wt. (Lbs.)
GLOBRITE WHITE LED LIGHTS					
602102	12	15W	30	1	5
602103	12	15W	50	1	6
602104	12	15W	100	1	9
602105	12	15W	150	1	12

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
GLOBRITE NICHES			
620040	Gunite/Concrete Niche for GloBrite (includes white, blue, black, gray and tan rings)	1	1.3
620039	Vinyl Niche for GloBrite (includes white, blue, and gray rings)	1	1.3
620041	Fiberglass Niche for GloBrite (white)	1	1.3
620093	Fiberglass Niche for GloBrite (blue)	1	1.3
620094	Fiberglass Niche for GloBrite (gray)	1	1.3
GLOBRITE COLOR KITS, INCLUDING NICHE & TRANSFORMER			
619994	2 GloBrite Color 100 ft. with 300W Transformer + 2 Gunite Niches	1	40
620081	2 GloBrite Color 100 ft. with 300W Transformer + 2 Vinyl Niches	1	40

NOTE: Appearance of color and white LED light may vary between various models of lights. Appearance and perception of pool lighting may vary depending on a number of factors including, but not limited to, the particular model of light, the location/depth/angle of the light's installation, pool finish/ material, pool depth/shape/geometry, ambient light sources, subjective factors and more. For best results when using multiple lights, use all the same model and do not mix multiple models of lights within a single installation.

GLOBRITE® WHITE AND COLOR LED LIGHTS (CONT'D)

UNDERWATER LED LIGHTS FOR SWIMMING POOLS AND SPAS

Ordering Information

Product		Description	Carton Qty.	Carton Wt. (Lbs.)
TRANSFORMERS (LANDSCAPE AND POOL RATED)				
619962	120V Input, 12-14V Output	100W	1	12
619963	120V Input, 12-14V Output	300W	1	12
ACCESSORIES				
620314	GloBrite LED Light Glare Shield			
602136	Replacement Face Ring Kit for GloBrite Vinyl Liner Niche, Blue*			
602137	Replacement Face Ring Kit for GloBrite Vinyl Liner Niche, Gray*			
602138	Replacement Face Ring Kit for GloBrite Vinyl Liner Niche, White*			

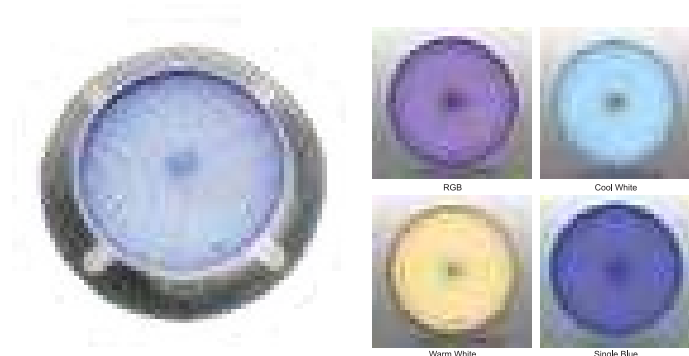
* Includes three (3) faceplates in specified color, three (3) gaskets, twelve (12) screws.
Each kit can fully equip three (3) GloBrite lights with new faceplates, gaskets and screws.

All Pentair UL Listed underwater lights are certified for use in fresh water with up to 6,000 ppm salinity.

Dimensions and Certifications



PEP SERIES UNDERWATER LIGHT



PEP underwater light is a powerful LED nicheless light designed for easy wall installation, delivering brilliant and vibrant colors to your pools and spas.

Featured Highlights

- Combines Ultra-Thin LED panel technology.
- Unlike other LED lights, Pentair PEP keeps working even a single LED bulb goes out.
- Can be installed in concrete, fiberglass or vinyl pools.
- Available color options: warm white, cool white, blue and RGB.
- Change the mood of your pool and spa by pressing on/off button.
- ABS face ring.
- IP68 with 2.5m safety rubber cable.
- Water temperature range: 0-30C.

Ordering Information

Product	Description	Watt / Voltage	Lumination (LUX)	Remarks
PEP LED LIGHTS				
PNR-WML-20W-WW	Wall Mounted Light 252 leds warm white	20W/12V	415	Warm White (4000K)
PNR-WML-20W-CW	Wall Mounted Light 252 leds cool white	20W/12V	346	Cool White (20000K)
PNR-WML-20W-BL	Wall Mounted Light 252 leds single blue	20W/12V	52	Single Blue
PNR-WML-20W-RGB	Wall Mounted Light 252 leds RGB (14 Modes)	20W/12V	166	RGB - 14 Modes
PNR-WML-35W-WW	Wall Mounted Light 441 leds warm white	35W/12V	613	Warm White (4000K)
PNR-WML-35W-CW	Wall Mounted Light 441 leds cool white	35W/12V	550	Cool White (20000K)
PNR-WML-35W-BL	Wall Mounted Light 441 leds single blue	35W/12V	78	Single Blue
PNR-WML-35W-RGB	Wall Mounted Light 441 leds RGB	35W/12V	273	RGB - 14 Modes
PNR-WML-50W-WW	Wall Mounted Light 531 leds warm white	50W/12V	634	Warm White (4000K)
PNR-WML-50W-CW	Wall Mounted Light 531 leds cool white	50W/12V	608	Cool White (20000K)
PNR-WML-50W-BL	Wall Mounted Light 531 leds single blue	50W/12V	158	Single Blue
PNR-WML-50W-RGB	Wall Mounted Light 531 leds RGB	50W/12V	316	RGB - 14 Modes

COLOR SYNC™ CONTROLLER

FOR PENTAIR COLOR LED POOL LIGHTS



With the Color Sync Controller, your customers can quickly and easily turn their backyard oasis into a true extension of their home. Color Sync Controller works with IntelliBrite Architectural Series Pool and Spa Lighting, IntelliBrite Landscape Lights, GloBrite® Color Changing LED Lights, ColorVision™ LED Bubblers, MagicStream® Laminars and MagicBowl® Water Effects.

Featured Highlights

- Universally compatible with all Pentair Color LED lights
- Create dazzling light shows from seven existing themes and five colors
- Easily save favorite color settings for future use
- Weatherproof design for outdoor installation.
- Weekday vs. weekend options, with multiple runtime options

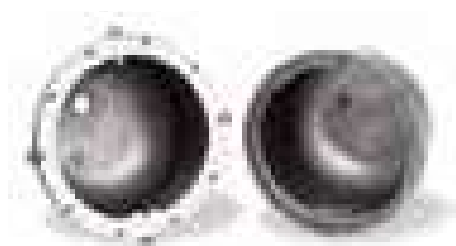
Ordering Information

Product	Description
COLOR SYNC™ CONTROLLER (120V/60Hz)	
618031	Color Sync Controller

NOTE: Appearance of color and white LED light may vary between various models of lights. Appearance and perception of pool lighting may vary depending on a number of factors including, but not limited to, the particular model of light, the location/depth/angle of the light's installation, pool finish/ material, pool depth/shape/geometry, ambient light sources, subjective factors and more. For best results when using multiple lights, use all the same model and do not mix multiple models of lights within a single installation.

PENTAIR LARGE STAINLESS STEEL NICHES

NICHES FOR SWIMMING POOLS AND SPAS



Pentair Large Niches

Large stainless steel niches are formed with brass fittings. All niches have internal and external grounding lugs for use with either metal or PVC conduit.

Featured Highlights

- Niches for all installations
- Stainless steel housing
- Brass hub: 1/2, 3/4, or 1 in.
- Internal/external bonding lugs
- Vinyl niches with chrome/brass sealing rings
- Sandwich gasket for vinyl
- Powder coated sealing ring (optional)

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
LARGE STAINLESS STEEL NICHES FOR CONCRETE INSTALLATION			
78210400	3/4 in. top hub	1	3
78210700	3/4 in. rear hub	1	3
78210500	1 in. top hub	1	3
78210600	1 in. rear hub	1	3
VINYL AND FIBERGLASS INSTALLATION, STANDARD 10 HOLE PATTERN			
78232400	Fiberglass/liner, 3/4 in. rear hub	1	5
78232500	Fiberglass/liner, 1 in. rear hub	1	5
LARGE STAINLESS STEEL NICHE, CONCRETE SHIELD			
45361000	Niche Shield for construction	1	0.325
79211600Z	Replacement/Repair Niche plaster ring	1	5
LARGE STAINLESS STEEL NICHE - CANADIAN LIGHTS			
78210701	For Concrete Installation - 3/4 in. rear hub	1	0.25
78232401	For Vinyl and Fiberglass Installation - 3/4 in. rear hub		
POWDER COATED SEALING RINGS, VINYL/FIBERGLASS			
79200255	Sealing ring, large niche (white)	1	0.01
SEALANT FOR NICHE BONDING LUGS			
60028300	Listed potting compound	1	0.0375

Dimensions and Certifications



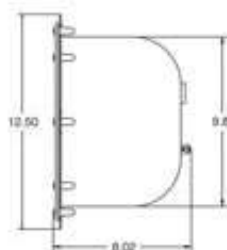
Notice: Underwriters Laboratories has listed Pentair Water Pool and Spa, Inc. lights for use with Pentair Water Pool and Spa, Pentair Pool Products, American Products, Purex, or PacFab niches ONLY. To ensure proper grounding/bonding connections install only Pentair Water Pool and Spa lights in Pentair, Water Pool and Spa, Pentair Pool Products, American Products, Purex or PacFab niches only.



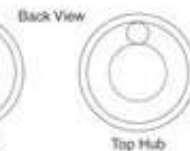
Standard 10 Hole Pattern



Gunite Hole Pattern



Rear Hub



Top Hub

PENTAIR SMALL STAINLESS STEEL NICHEs

NICHEs FOR SWIMMING POOLs AND SPAs

Featured Highlights

- Stainless steel housing
- Brass hub: 1/2, 3/4, 1 in.
- Internal/external bonding lugs
- Vinyl niches with chrome/brass sealing rings
- Niches for all installations
- Sandwich gasket for vinyl



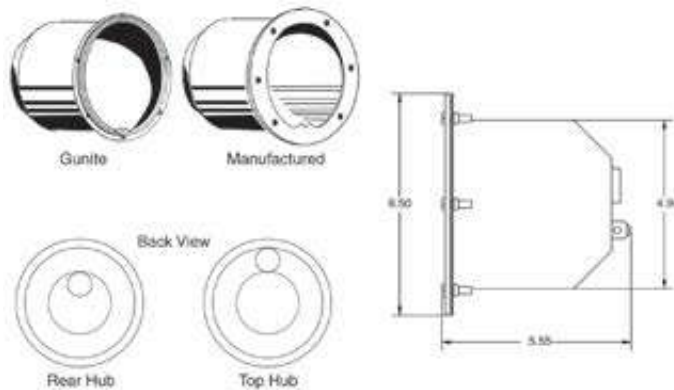
Pentair Small Niches

Small stainless steel niches are formed with brass fittings. All niches have internal and external bonding lugs and can be used with either metal or PVC conduit.

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
SMALL STAINLESS STEEL NICHEs FOR CONCRETE INSTALLATION			
78243200	Concrete pools or spas, 3/4 in. top hub	1	2
78244200	Concrete pools or spas, 3/4 in. rear hub	1	2
78243300	Concrete pools or spas, 1 in. top hub	1	2
78244300	Concrete pools or spas, 1 in. rear hub	1	2
MANUFACTURED POOLs, SPAs & TUBs INSTALLATION			
78242200	Manufactured pools, spas & tubs, 3/4 in. rear hub	1	3
78242300	Manufactured pools, spas & tubs, 1 in. rear hub	1	3
SMALL STAINLESS STEEL NICHE SHIELD			
45361500	Niche shield for SpaBrite/AquaLight Niche	1	0.25
VINYL/FIBERGLASS NICHE SEALING RING, POWDER-COATED			
79206055	Sealing ring, small niche	1	0.01
SEALANT FOR NICHE BONDING LUGs			
60028300	Listed potting compound	1	0.325
SMALL STAINLESS STEEL NICHEs - CANADIAN LIGHTs			
78241202	For manufactured pools, spas & tubs, 3/4" top hub - Canadian Lights	12	2
78242202	For manufactured pools, spas & tubs, 3/4" rear hub - Canadian Lights	12	2
78244202	For Concrete Installation - 3/4 in. rear hub - Canadian Lights	12	3

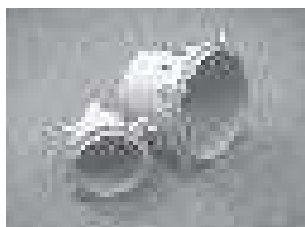
Dimensions and Certifications



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PLASTIC NICHES

PLASTIC NICHES FOR SWIMMING POOLS AND SPAS



Gunite Plastic Niches – These plastic concrete niches are molded of high strength, corrosion resistant PVC with a one inch PVC hub. Both 450 and 3/4 in. reducer bushings are included. Gunite models feature rebar tie-backs and a plaster ring for clean, simple installations and all are packed with a gunite/plaster shield.



QuickNiche™ Vinyl Liner Niche – One look at the QuickNiche is all it takes to see that this is a product that really lives up to its name. It is an easy-to-install, super-sealing light niche for vinyl liner pools. It features a revolutionary lock-ring design that mounts and seals like a vinyl inlet fitting fast, secure, and totally leak proof.

Featured Highlights

Gunite Plastic Niches:

- Innovative cord seal grommet (Accessory sold separately)
- Large and small models
- Rebar tie-backs
- Plaster ring for secure sealing
- Internal/external bonding lugs
- High strength PVC construction
- Rear one inch PVC hub
- Includes 45° and 3/4 in. reducer bushings
- Includes gunite/plaster shield

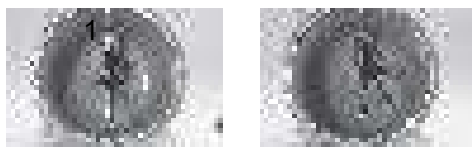
QuickNiche:

- Revolutionary design mounts and seals like a vinyl inlet fitting
- No screws directly through the pool wall as with conventional vinyl niches
- Designed for quick and easy, one-person installation
- Rubber gasket overmolded on seal ring for reliable sealing
- Built-in current-collecting ring for maximum safety
- Zero wall panel exposure
- Fits standard niche panel
- UL listed

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
PLASTIC NICHE - CONCRETE			
79206600	Small PVC niche, concrete	1	2
79206700	Large PVC niche, concrete	1	3
PLASTIC NICHE - VINYL			
620004	QuickNiche ¹	1	1
630043	QuickNiche blue seal ring	1	1
630044	QuickNiche gray seal ring	1	1
ACCESSORIES			
670044	Cord Seal Grommet Kit	3	1
60028300	Listed potting compound	1	0.325

Dimensions and Certifications

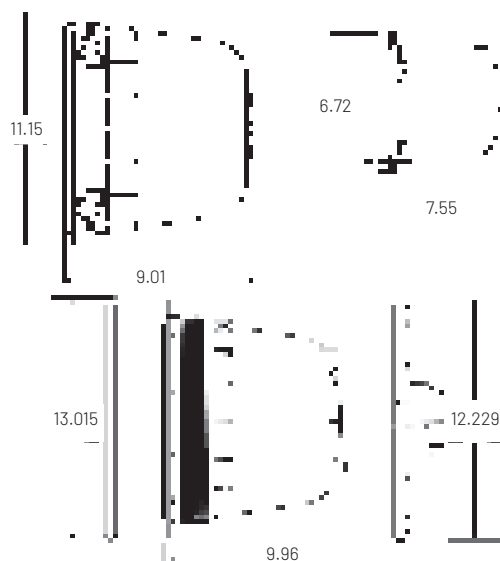


Innovative cord seal grommet accessory
(p/n 670044)

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¹ Plastic niches are only listed for use with 12V lights in Canada.

² Cord seal grommet not available for Quick Niche.



LIGHT ACCESSORIES AND JUNCTION BOXES

ADD-ON FEATURES AND ACCESSORIES FOR ALL PENTAIR LIGHTS

Featured Highlights

Kwik-Change Lens Covers

- Powder coated vinyl niche sealing ring
- Snap-on plastic face rings available for s/s lights

Junction Boxes

- Available in 3 sizes: 1/2, 3/4 & 1 in.
- Polycarbonate cover with brass base
- Built-in strain relief
- UL listed

Our optional light and niche features are designed to enhance our standard products and accommodate your specific project requirements.



Add-on Light Features and Accessories

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
600140	AquaLumin 3 Lens Cover Kit	1	0.5
SNAP-ON PLASTIC FACE RINGS FOR AMERLITE			
79212111	Black	1	0.01
79212165	Gray	1	0.01
79213111	Black	24	0.01
79213100	White	24	0.01
SNAP-ON PLASTIC FACE RINGS FOR SPABRITE/AQUALIGHT			
79212200	White	1	0.01
79212211	Black	1	0.06
79212265	Gray	1	0.06
VINYL NICHE SEALING RING, WHITE POWDER-COATED			
79200255	Sealing ring, large niche	1	0.01
79206055	Sealing ring, small niche	1	0.01
JUNCTION BOX BRASS BASE W/ POLYCARBONATE COVER ¹			
78310500	(3) - 1/2 in. ports	1	1
78310600	(3) - 3/4 in. ports	1	1
78310700	3/4 in. x 1 in. x 3/4 in. ports	1	1

¹ UL Listed.

Dimensions and Certifications



This image shows a full page of blank, lined paper. It features approximately 28 horizontal blue or grey lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings on the page.

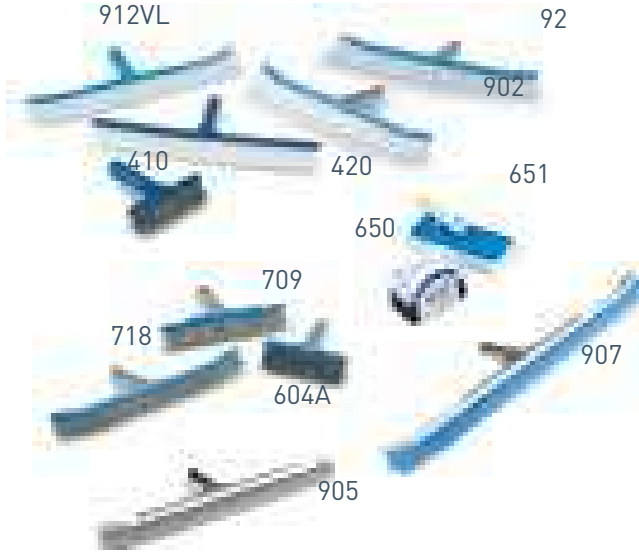


MAINTENANCE & SAFETY EQUIPMENT



BRUSHES AND SCRUBBERS

POOL, SPA, DECK AND TILE BRUSHES



Pool, Spa, Deck and Tile Brushes

Featured Highlights

Curved Brushes

- UV stabilized polypropylene or nylon bristles.
- Snap-adapt handle fits most poles
- Aluminum Back Brushes with strong die cast aluminum back
- Molded Brushes with heavy-duty one piece molded construction
- Model 907 has a 50/50 blend of stainless and nylon bristles. Recommended for new pool start-up brushing or mild algae cleaning.

Stainless Steel Algae Brushes

- All algae brushes feature quality stainless steel bristles
- Perfect for removing tough algae on plaster surfaces
- Snap-adapt handle fits most poles

Scrubbers

- 650 Scrubber has a molded hand grip and includes 3 interchangeable pads
- 651 Universal Scrubber features an ABS back with a swivel joint handle and a light duty replaceable pad

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
CURVED BRUSHES				
R111046	92	18 in. Aluminum Back White nylon	12	13
R111316	902	18 in. Aluminum Back White polypropylene	12	12
R111358	907 ¹	18 in. Aluminum Back Blended, stainless & nylon	12	13
R111342	905	24 in. Aluminum Back Blue nylon	12	19
R111366	912	18 in. Molded Back White polypropylene	12	10
R111386	912VL	18 in. Molded Back White nylon, end caps for vinyl liner pools	12	10
R500013	420	18 in. Molded Back White polypropylene	12	9
ALGAE BRUSH - (NOT FOR VINYL LINER POOLS)				
R500012	410	6 in. Molded Back, Stainless Steel for Plaster, Concrete, Gunite	12	7
R111616	604A	6 in. Aluminum Back, Stainless Steel for plaster, Concrete, Gunite	12	6
R111626	709	9 in., Aluminum Back Stainless Steel for plaster, Concrete, Gunite	12	9
R111646	718	18 in., Aluminum Back Stainless Steel for plaster, Concrete, Gunite	12	15
ACID-WASH/TILE/DECK BRUSHES				
R111584		10 in. Blue & white crimped bristles	25	21
SCRUBBERS				
R111556	650	Multi-purpose scrub brush w/ 3 pads	12	6
R111560	651	Universal swivel handle, 4-5/8 in. x 10 in. w/ removable pad	12	6

¹ Not for use on vinyl liner pools.

Note: All items with snap-adapt handle include a high performance Acetal Resin Spring and will snap into all standard poles or can be bolted on, if preferred, simply by removing the Acetal Resin Spring.

FLOATS, FLOAT ROPE, AND SAFETY HOOK

Featured Highlights

Floats & Safety Equipment

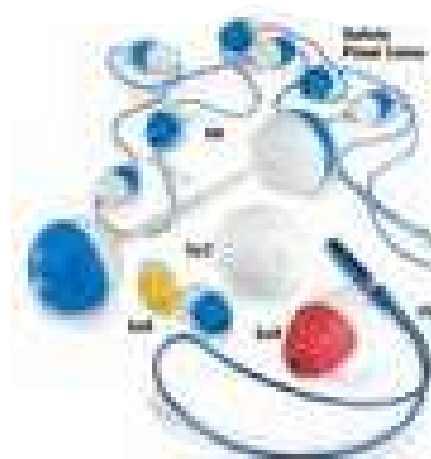
- Unsinkable, durable, polyethylene floats are available in a variety of sizes

Safety Float Lines

- Include 3/8 in. poly rope, 3 in. x 5 in. floats, solid chrome brass rope hook, 1 fid and locking device



Float Keepers



Floats, Float Rope, and Safety Hook

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
SAFETY POOL HOOK				
R221026	153	Fits any standard straight pole (do not attach to telescopic poles), nut. Mounting Hardware set not included. See item R221030	12	14
R221030	153	Hardware set for Pool Hook	1	
SWIM TEACHER				
R221056	58	Two 7 in. x 7 in. poly floats with 30 in. white PVC bar, packed in bag with header	6	10
FLOATS				
R181026	350	Red and white, 3 in. x 5 in. Oval Float, Fits 1/2 in. Rope	100	12
R181016	350	Blue and white, 3 in. x 5 in. Oval Float, Fits 1/2 in. Rope	100	12
R181046	350	Solid white, 3 in. x 5 in. Oval Float, Fits 1/2 in. Rope	100	12
R181086	590	Blue and white, 5 in. x 9 in. Oval Float, Fits 3/4 in. Rope	24	11
R181096	590	Red and white, 5 in. x 9 in. Oval Float, Fits 3/4 in. Rope	24	11
R181156	770	Solid white, 7 in. x 7 in. Round Float, Fits 3/4 in. Rope	20	10
FLOAT KEEPERS & ROPE HOOKS				
R181436	71	Secures No. 590 to 3/4 in. rope, two pieces and two screws, one set holds one float in place	1	
R181446	71	Set of two, bubble pack	12	1
R181486	74	Secures No. 590 to 3/4 in. rope, four pieces and two screws, one set holds one float in place	1	
R06017	355	Replacement chrome brass rope hook	1	
R181416	355	Replacement chrome brass rope hook, bubble pack	12	2
SAFETY FLOAT LINES				
R181206	3520	20 ft. Pool Dimension, 9 floats	6	15
R181216	3518	18 ft. Pool Dimension, 7 floats	6	14
R181226	3516	16 ft. Pool Dimension, 5 floats	6	12
R181200	3525	25 ft. Pool Dimension, 9 floats (Available Built to Order Only)	1	3
R181268	3524	24 ft. Pool Dimension, 9 floats (Available Built to Order Only)	1	3
R181269	3530	30 ft. Pool Dimension, 9 floats (Available Built to Order Only)	1	2

FLOATING CHEMICAL DISPENSERS



Floating Chemical Dispensers

Featured Highlights

For use with Bromine or slow dissolving Trichlor tablets

330 Floating Chemical Dispenser

- Linear polyethylene construction and foam filled for added buoyancy. Has twist lock cap and adjustable control ring. Holds six 3 in. or 3 lbs. of 1 in. tablets.

335 Chlorine/Bromine Floating Dispenser

- For spas and small swimming pools. Linear polyethylene and foam filled. Rate of chemical dispensing is controlled by dial device. Holds 1 in. tablets only.

332 Splasher Pool/Spa Floating Dispenser

- For aboveground, splasher or small pools and spas. Can be used under spa or pool covers. Linear polyethylene and foam filled. Molded dispensing windows and positive control device. Holds approx. 11 oz. of 1 in. tablets.

Floating Accessory Leash

- Prevents floating items from hanging up or drifting away. Has 36 in. cord and molded anchor plate with pressure sensitive pad that adheres to most surfaces.

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
330 FLOATING CHEMICAL DISPENSER			
R171060	Floating Chemical Dispenser with screen installed between adjustment ring and body	12	13
R171086	Blue and white Floating Chemical Dispenser	12	13
332 SPLASHER POOL/SPA FLOATING DISPENSER			
R171130	Splasher Pool/Spa Dispenser	12	9
335 CHLORINE/BROMINE FLOATING DISPENSER			
R171074	Blue and white	12	8
R171090	Beige and white	12	8
R18855	Optional protective screen	1	
ACCESSORIES			
R221270	Floating Accessory Leash	1	

HAND SKIMMERS AND LEAF RAKES

Featured Highlights

Snap-adapt handles allow for use with most poles

Hand Skimmers

- Heavy-duty reversible nets stand up to tough wear

122 Leaf Rake

- Designed to easily remove leaves and debris. Screen and frame completely covered with squeegee for scraping fine, loose debris on pool bottom

123 Econo Leaf Rake

- ABS molded frame with aluminum reinforcement

117 Pro Leaf Rake

- Replaceable snap-on frame and net fits on 3/8 in. solid anodized aluminum rod



Hand Skimmers and Leaf Rakes

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
HAND SKIMMERS				
R121026	119	Molded Frame Skimmer reinforced with aluminum and aluminum handle	12	8
R121166	124S	Spa/Aboveground Skimmer, screen molded into frame, with magnet	12	7
R121186	124H	Long Handle Skimmer, molded frame with 1 in. x 4 ft. pole	12	11
R121196	126	Professional Grade Heavy-duty Skimmer, 3/8 in. solid aluminum rod, Deep net molded into ABS snap-on replacement frame	12	13
R121216	126R	No. 126 Professional Grade Replacement frame and net	12	6
LEAF RAKES				
R121106	122	Leaf rake, 3/8 in. aluminum rod with attached handle and heavy-duty fiberglass screen	12	18
R121126	123	Econo leaf rake, ABS molded frame reinforced with aluminum, frame has raised lip for scraping bottom	12	10
R121230	117	Pro leaf rake, replaceable frame and net snaps onto 3/8 in. solid aluminum rod, replaceable squeegee strip	12	18
R121232	117R	Replacement frame, squeegee and netting for No. 117 and No. 122	12	12

LEAF TRAPS / LEAF EATERS



R172653 186A/B
Snap Open Leaf Traps



360476



185



186

Featured Highlights

Leaf Traps

- Specially designed to be used with automatic suction-side pool cleaners or vacuum heads. Pentair Leaf Traps capture large amounts of leaves, twigs, rocks, hair pins, and other debris before it reaches the skimmer or pump basket. Most models include 3 ft. of flexible vacuum hose.

186 'Snap Open' Leaf Trap

- Features snap open and close lid, clear housing and large handle for ease of carrying. Available in 1-1/2 in. and 2 in. models. Traps debris in polyester bag. 25 sq. ft. cartridge (with special plug) for 100% filtration of fine dust, silt or small debris is also available.

360476 2.2 L Leaf Trap

- Fast and easy debris removal. Quick snap canister is a cinch to empty and clean. One male and one female hose attachment, no need for adapters.

185 Leaf Eater® Cleaner

- Venturi action top skimmer or bottom cleaner. Works with a garden hose and standard telepole or automatic pool cleaner hose. Collector bag slips on and off easily. Comes with brushes for vinyl liner pools and wheels for ease of turning on hard bottomed pools.

Ordering Information

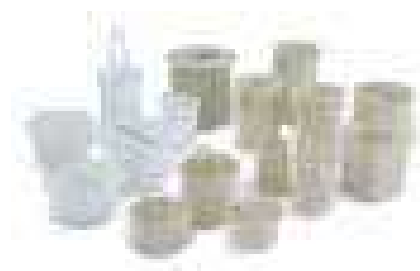
Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
LEAF TRAPS				
R211084	186A	5.0 Liter Capacity, 1-1/2 in., bag, 3 ft. 1-1/2 in. hose	6	33
R211086	186B	5.0 Liter Capacity, 2 in., bag, 3 ft. hose	1	7
R211087	186B	5.0 Liter Capacity, 2 in., bag, no hose	1	5
R211256		Replacement hose	1	
R172653	186	25 sq. ft. cartridge w/ plug	1	
R211516		Standard mesh bag No. 186, No. 179C	1	
R211518		Sand/silt bag No. 186, No. 179C	1	
360476		2.2 Liter Capacity, 1-1/2 in., no hose	1	2
LEAF EATERS				
R211036	185	Wheels and brushes, mesh bag, display box	3	12
R211046	185B	Wheels and brushes, mesh bag, bulk, no display	6	17
R211286	185	No. 185-03 Sand/silt bag		
R211406	185	No. 185-15 Replacement brushes, bubble pack	1	
R211426	185	No. 185 Replacement bag, mesh	1	
R211436	185	No. 185 Wheels assembly, 3 per bubble pack	1	
HIGH CAPACITY LEAF EATER BAGS WITH EASY SLIDE ON/OFF CLOSURE				
R211432		Bag, 3 ft. long	1	

REPLACEMENT BASKETS

Featured Highlights

Replacement Baskets for Skimmers and Pumps

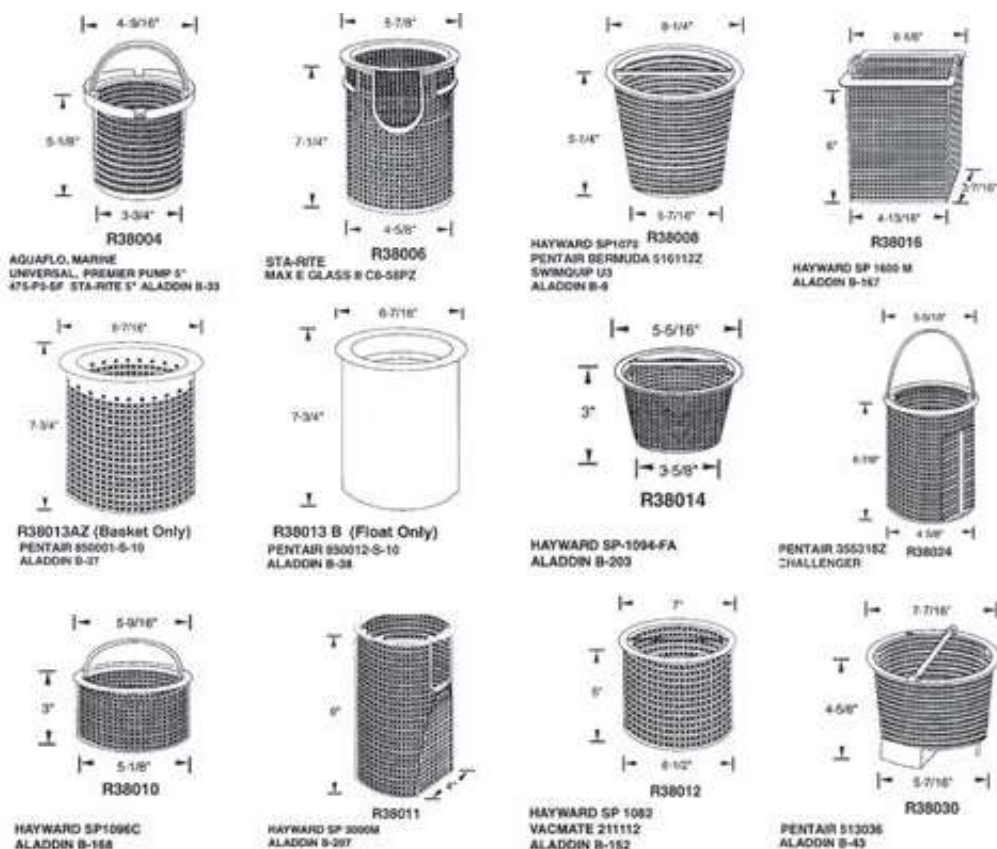
- These superior quality replacements are injection molded of the best materials required for optimum performance
- Designed to fit the most popular skimmer wells and pump pots



Ordering Information

Product	Description	Carton Qty.
REPLACEMENT SKIMMER AND PUMP BASKETS		
R38004	5.0 Liter Capacity, 1-1/2 in., bag, 3 ft. 1-1/2 in. hose	1
R38006	Sta-Rite Max-E-Glas II C8-58PZ	1
R38008	Hayward® SP 1070, Pentair Bermuda 516112Z, Swimquip U3, Jacuzzi® 4138, Aladdin B-9	1
R38010	Hayward SP-1096C, Aladdin B-168	1
R38011	Hayward SP-3000M, Aladdin B-207	1
R38012	Hayward SP-1082, VacMate 211112, Aladdin B-152	1
R38013AZ	(Basket Only) Pentair 850001-S-10, Aladdin B-37	1
R38013B	(Float Only) Pentair 850012-S-10, Aladdin B-38	1
R38014	Hayward SP-1094-FA, Aladdin B-203	1
R38016	Hayward SP-1600M, Aladdin B-167	1
R38024	Pentair 355318Z Challenger	1
R38030	Pentair 513036, Aladdin B-431	1

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MAINTENANCE KITS



Featured Highlights

Maintenance Kits

- Pentair has a variety of standard kits with the most popular combinations requested by our customers. Each kit is packaged in an attractive box with a handle.

Ordering Information

Product	VL/Gunite	Brush	Vacuum	Thermometer	Test Kit	Leaf Net/Leaf Rake	Pole/Hose Hanger	Discharge Hose	Qty.
SWIMMING POOL MAINTENANCE KITS									
R131016 ¹		912		125	752	119	145		3
R131020 ¹		912		125	754 For Canada	119	145		3
R131021 ²	VL	912VL	191LW	125	752	124S			1
R131037 ¹		902B		127	3-Way Strips	119	145		3
R131046 ¹		902		130	78HR	126	145		3
R131048 ¹	VL	912	194	127		119			3
R131066 ¹	VL	902	194	127	752	126			3
R131074 ¹	VL	912	193	127	752	124S			3
R131075 ¹	VL	912	196	127	752	124S			3
R131076 ¹	VL	912VL	193	127	752	124S			3
R131078 ¹	VL	912VL	196	127	752	124S			3
R131079 ¹	VL	912VL	194		752	119			3
R131106 ¹		902		127	754 For Canada	126	145/165		3
R131146 ¹		912		127	78HR	124S			3
R131147 ¹		902		130	78HR	119			3
R131148A ²		902		133	78HR	119			1
R131155 ¹	Gunite	902203		133	78HR	123	145		3
R131204 ²		902		136	78DPD	124S	145		1
R131256A ²		903 Alt. ⁴		133	752	119			1
R131316 ²	VL	902	194	136	752	124S		1.5 in. x 50 ft.	1
R131360 ²	Gunite	902	188	127	78HR	119			1
R131371 ²	Gunite	902203		127 and 133		126			1
R131388 ¹	Gunite	902	201		78HR	119			3
R131398 ²	VL	902	196	127		119			1
R131404 ¹	Gunite	902203			78HR	124S			3
R131410 ³	Gunite	902203		125	Test Strips	119	145		1
R131418 ¹	Gunite	912	203	136		119			3
R131442 ³	VL	902	196	127	752	123		1.5 in. x 50 ft.	1
R131448 ¹	Gunite	903 Alt. ⁴	203	Yes - Jumbo	5-Way Strips	124S			3

¹ Pentair kraft box style.

² Corrugated box style.

³ Corrugated white box style.

⁴ Brush model 903 has been replaced with an alternate direct replacement.

POLES

Featured Highlights

- **Telescopic Poles** are constructed of high quality drawn aluminum tubing. The 1-1/8 in. OD inside tube is clear anodized and the 1-1/4 in. OD outer tube is bright blue anodized. Each has a bicycle type vinyl hand grip and packed in a protective poly sleeve.
- **Fiberglass Poles** with E-Z Lock compression lock are manufactured to withstand abuse. Required for service pros in areas where protection from electrical shock is mandatory. UV protective coating helps prevent splintering with age.



Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
POLES				
R191106	820-12	1 piece Straight clear anodized pole -12 ft. w/ pole cap	12	28
R191116	820-16	1 piece Straight clear anodized pole -16 ft. w/ pole cap	12	37
R500070	406-16	2 piece telescopic "ribbed" pole - E-Z lock Cam - 8 ft.-16 ft.	12	28
R500072	406-12	2 piece telescopic "ribbed" pole - E-Z lock Cam - 6 ft.-12 ft.	12	22
R191306	806-16	2 piece telescopic pole - E-Z lock Cam - 8 ft. to 15-1/2 ft., blue	12	35
R191046	812-16	2 piece telescopic pole - Metal Cam - 8 ft. to 15-1/2 ft.	12	36
R191066	812-8	2 piece telescopic pole - Metal Cam - 4 ft. to 7-1/2 ft.	12	21
R191088	806-24	Commercial Aluminum Pole - 12 ft. to 23-1/2 ft. E-Z Lock	12	52
R191090	812-24	Commercial Aluminum Pole - 12 ft. to 23-1/2 ft. Metal cam	12	52
R191091	808-12	Commercial Fiberglass Pole - 6 ft. to 12 ft.	6	20
R191092	808-16	Commercial Fiberglass Pole - 8 ft. to 16 ft.	6	25
R191095	818-12	Commercial Fiberglass Pole - Straight 12 ft. w/ pole cap	6	21
R191101	808-22	Commercial Fiberglass Pole - 11-1/2 ft. to 22 ft.	6	32
R191104	818-16	Commercial Fiberglass Pole - Straight 16 ft. w/ pole cap	3	38
R191380		3 piece telescopic pole - E-Z Lock device - 12 ft.-36 ft., aluminum	6	35

POLE ACCESSORIES



Pole Accessories



Algae-Gon Tablet Holder



Cams

Featured Highlights

- **Algae-Gon Chlorine Tablet Holder** securely holds a standard tablet at the end of any pole to deliver direct surface application of chlorine to eliminate dark algae and other surface stains. Snap-adapt handle attaches to most poles.

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
POLE ACCESSORIES				
R07023		Replacement tip tool adapter for fiberglass poles	1	
R22006	1125	Pole cap 1-1/8 in. poles	1	
R22007	900	Pole cap 1-1/4 in. poles	1	
R22025		White vinyl hand grip, 1 in.	1	
R22054		White vinyl hand grip, 1-1/8 in.	1	
R221036	145	Pole hangers, ABS with screws, 1 set per bubble pack card	24	5
R221042	143	Metal pole hangers, screws included, 1 set per bubble pack card	24	7
R221046	165	Hose hangers, ABS with screws 1 set per bubble pack card	24	8
R221054	167	Hose, pole, accessory hangers, large multi-purpose hangers hold vac hose, telepole, test kit, skimmer, brushes, etc., 1 set with screws per bubble pack card	12	12
542068		Algae-Gon chlorine tablet holder, snap-adapt handle attaches to telescopic pole	100	
R221126	147	Pool pole adapters, 3 pieces per set with 6 brass, 1/4 in. x 1-3/4 in. bolts and wing nuts, bubble pack	24	15
R221136	147S	Pool pole adapter, one piece with 2 sets of brass wing nuts and bolts, bubble pack	24	6
R221156	155	Brass bolt and wing nut	1	
R221166	155	Brass bolt and wing nut, 6 sets per bubble pack	12	
R191206	801	E-Z Lock cam for aluminum poles, unassembled complete with glue and instructions, bubble pack	1	
R191216	801	No. 801 Cam, bubble pack	12	
R191256	803	Metal cam die cast aluminum with white ABS sleeve, unassembled with 1/4-28 x 1 in. SS hex bolt, cam fits 1-1/8 in. OD drawn tubes, sleeve fits 1-1/4 in. OD, bubble pack	12	
R191296	806	E-Z Lock cam for aluminum poles, unassembled complete with glue and instructions, bubble pack	12	
R191302	807	E-Z Lock cam for fiberglass poles, unassembled complete with glue and instructions, bubble pack	12	

POOL & SPA SIGNS

Featured Highlights

Pool & Spa Signs

- Commercial quality pool and spa signs are constructed of weather-resistant, high impact plastic and finished with brass grommets for easy, secure hanging.



Ordering Information

Product	Description	Size	Ctn Qty.
POOL & SPA SIGNS			
R230200	Pool Rules (Calif.)	18 in. x 24 in.	6
R230300	Spa Rules	18 in. x 24 in.	6
R230400	Pool Rules	18 in. x 24 in.	6
R230500	No Lifeguard On Duty. (4 in. letters)	24 in. x 18 in.	6
R235100	No Lifeguard On Duty. (4 in. letters - Texas)	24 in. x 24 in.	6
200186	No Lifeguard On Duty. (4 in. letters - Georgia)	24 in. x 36 in.	6
R230800	Public Pool Use Notice	18 in. x 24 in.	6
R230900	Pool Capacity	18 in. x 12 in.	6
R231100	C.P.R.	24 in. x 18 in.	6
R231200	No Diving Allowed	18 in. x 12 in.	6
R231400	Pool Closed	12 in. x 6 in.	6
R231700	Emergency Phone No. 911	12 in. x 6 in.	6
R232600	No Glassware In Pool Area	9 in. x 12 in.	6
R233800	No Diving (South Carolina)	24 in. x 24 in.	6
R233900	Caution Spa Rules (South Carolina)	24 in. x 36 in.	6
R234000	Pool Rules (South Carolina)	24 in. x 36 in.	6
R234100	Pool Rules (North Carolina)	24 in. x 36 in.	6
R234200	SPA Rules (North Carolina)	24 in. x 36 in.	6
R234500	Water Conditions (Virginia)	12 in. x 9 in.	6
R234700	Danger Pool Closed	18 in. x 12 in.	6
R234800	Pool Rules (Florida)	24 in. x 42 in.	6
R234900	Spa Rules (Florida)	18 in. x 24 in.	6
R235200	Pool Risks (Georgia)	24 in. x 29.5 in.	6
R235300	No Lifeguard (South Carolina) 6 in. x 4 in. letters	36 in. x 24 in.	6
SPANISH POOL & SPA SIGNS			
R233700	(Reglamentos) Pool Rules	18 in. x 24 in.	6

Note: Sign images on the following two pages.

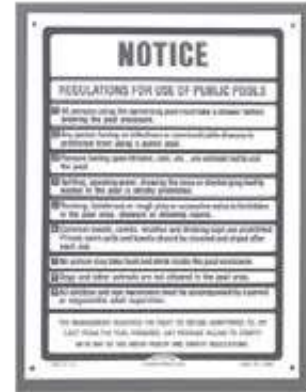
POOL & SPA SIGNS (CONT'D)



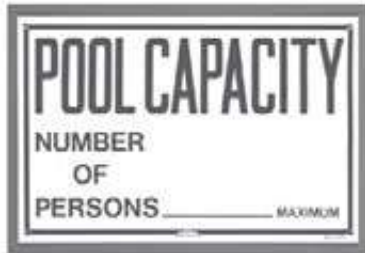
R230500 No Lifeguard On Duty 24 in. x 18 in.



R235100 No Lifeguard On Duty, (Texas) 24 in. x 24 in. (4 in. letters)



R230800 Public Pool Use Notice 18 in. x 24 in.



R230900 Pool Capacity 18 in. x 12 in.



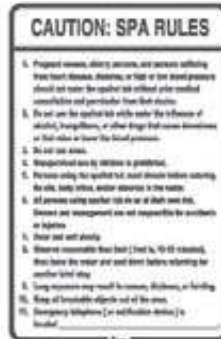
R231100 "C.P.R." 24 in. x 18 in.



R231200 No Diving Allowed, 18 in. x 12 in.



R231700 Emergency Phone No. 911, 12 in. x 6 in.



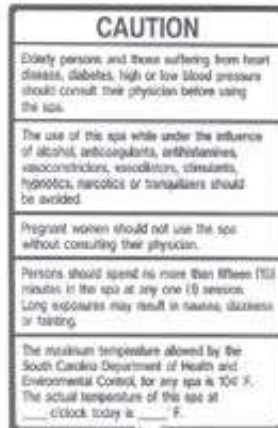
R234200 Caution Spa Rules (N. Carolina) 24 in. x 36 in.



R232600 No Glassware In Pool Area, 9 in. x 12 in.



R231400 Pool Closed 12 in. x 6 in.



R233900 Caution Spa Users (S. Carolina), 24 in. x 36 in.



R233800 No Diving (S. Carolina) 24 in. x 24 in.



R234000 Pool Rules (S. Carolina), 24 in. x 36 in.

POOL & SPA SIGNS (CONT'D)



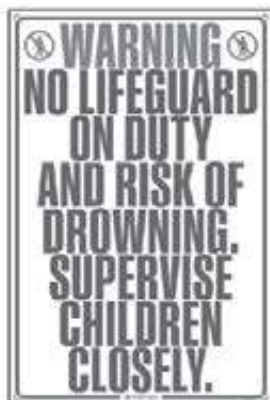
R234100 Pool Rules
(N. Carolina), 24 in. x 36 in.



R234700 Danger
Pool Closed 18 in. x 12 in.



R234800 Pool Rules
(Florida), 24 in. x 50 in.



200186 No Lifeguard On
Duty (Georgia), 24 in. x 36 in.
(4 letters)



R230200 Pool Rules
(Calif.), 18 in. x 24 in.



R235200 Pool Risks
Georgia, 24 in. x 29.5 in.



R230400 Pool Rules
18 in. x 24 in.



R235300 No Lifeguard
(S. Carolina), 36 in. x 24 in.
(6 in. x 4 in. letters)



R230300 Spa Rules
18 in. x 24 in.



R234900 Spa Rules
(Florida), 18 in. x 25 in.



R234500 Water Conditions
(Virginia), 12 in. x 9 in.



R233700 Reglamentos
(Pool Rules), 18 in. x 24 in.

TEST KITS

DPD, BROMINE, PH & CHLORINE TEST KITS



Featured Highlights

Pentair testing kits and chemicals are manufactured under the strictest quality control standards in a laboratory staffed by certified chemists where all Test Solutions are formulated and packaged. To guarantee reliability, test reagents should be replaced annually. Replacement and bulk reagents are available in a variety of sizes and packaging.

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
BROMINE TEST KITS				
R151196	756	"2 n 1" Bromine test kit, 1/2 oz. OTO and pH, Br range 0.5–6.5, yellow hinged case, packed 12 kits per counter display	24	10
R151201	756	"2 n 1" Bromine test kit, 1/2 oz. OTO and pH, Br range 0.5–6.5, yellow hinged case, packed 12 kits per counter display, for Canada	24	10
DPD TEST KITS				
R151190	77DPD	4 in 1 Chlorine/Bromine test kit. DPD No. 1 and No. 3 tablets, solutions No. 2, No. 3, No. 4, No. 5, wide Lucite test cell	12	16
R151246	78DPD	"All-in-One" test kit, free, total and combined Cl, pH, acid demand and total Alkalinity, Lucite test cell, 50 each DPD No. 1 and No. 3 tabs, 1 oz. No. 2, No. 3, 1/2 oz. No. 4, No. 5, water test booklet, red display box	12	17
R151248	78DPD+	"All-in-One" plus test kit, for servicemen or homeowners, free, total and combined Cl, Cyanuric Acid, pH, Acid Demand, Alkali Demand and Total Alkalinity, Lucite test cell, 50 each DPD No. 1 and No. 3 tablets, 10 Cyanuric acid tablets, 1 oz. No. 2, No. 3, 1/2 oz. No. 3B, No. 4, No. 5, water test booklet, red display box	12	18
200063	752DPD/PH	Free chlorine and pH analyzer test kit. DPD and pH tablets, 30 tablets each.	12	5
pH & CHLORINE TEST KITS				
R151076	752	"2 n 1" Test Kit 1/2 oz. OTO and Pre-Blended pH, Cl range 0.3–3.0, blue hinged case, packed 12 Kits per counter dispenser	24	10
R151082	752	"2 n 1" Test Kit 1/2 oz. OTO and Pre-Blended pH, Cl range 0.3–3.0, blue hinged case, packed 12 Kits per counter dispenser, for Canada	24	10
R151083	752	"2 n 1" Test Kit 1/2 oz. OTO and Pre-Blended pH, Cl range 0.3–3.0, blue hinged case, packed 12 Kits per counter dispenser, bubble pack, with Spanish instructions	24	10
R151186	78HR	"All-in-One" 4 Way Test Kit, Cl, pH, Acid Demand, Total Alkalinity, Lucite test cell with wide standards, 1 oz. No. 1, No. 2, No. 3, 1/2 oz. No. 4, No. 5, water test booklet, blue display box	12	16

Note: Products containing OTO not available in the State of California.

Note: Air shipment of OTO solution and kits containing OTO solution is prohibited.

TEST REAGENTS

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
CYANURIC ACID REAGENT			
R161596	Cyanuric Acid Reagent, 8 ounce	24	15
R161606	Cyanuric Acid Reagent, 16 ounce	12	15
R161616	Cyanuric Acid Reagent, 32 ounce	12	28
R161626	Cyanuric Acid Reagent, 1 gallon	4	36
DPD TABLETS			
R161576	DPD No. 1 tablets, rapid dissolve	1000	1
R161586	DPD No. 3 tablets, rapid dissolve	1000	1
R161590	Phenol red tablets, rapid dissolve	1000	1
R161591	Cyanuric acid tablets	1000	1
R161676	Cyanuric acid tablets, 20 per bubble pack	12	2
R161593	DPD No. 1 tablets, 50 per bubble pack	12	2
R161599	DPD No. 3 tablets, 50 per bubble pack	12	2
R161594	Phenol red tablets, 50 per bubble pack	12	2
OTO AND pH SOLUTIONS (BUBBLE PACK)			
R161150	1/2 ounce	24	4
R161160	1 ounce	24	6
R161216	Refill No. 78, test kit, bubble pack	24	11
R161666	Refill No. 78 DPD, test kit, bubble pack	24	13
SOLUTIONS			
R161004	OTO Solution No. 1, 1/2 ounce, used in No. 782, No. 783 ¹	48	3
R161025	OTO Solution No. 1, 1 ounce ¹	48	6
R161046	OTO Solution No. 1, 8 ounce ¹	24	16
R161056	OTO Solution No. 1, 16 ounce ¹	12	15
R161018	pH Solution Phenol Red with Chlorine Neutralizer, 1/2 ounce, used in No. 761, No. 782, No. 783	48	3
R161094	pH Solution Phenol Red with Chlorine Neutralizer, 1 ounce	48	6
R161116	pH Solution Phenol Red with Chlorine Neutralizer, 8 ounce	24	15
R161126	pH Solution Phenol Red with Chlorine Neutralizer, 16 ounce	12	15
R161178	No. 2 (pH Test), 1 ounce ²	48	6
R161180	No. 2 (pH Test), 1 ounce, used in No. 78 and No. 7000 Series, PRO 11, display box ²	24	3
R161286	No. 2 (pH Test), 8 ounce ²	24	16
R161182	No. 3 (Acid Demand, Total Alkalinity), 1 ounce, used in No. 78 and No. 7000 Series, No. 1300, PRO 11, 12 pack display box ³	24	31
R161185	No. 3 (Acid Demand, Total Alkalinity), 1 ounce, used in No. 78 and No. 7000 Series, No. 1300, PRO 11 ³	48	6
R161302	No. 3 (Acid Demand, Total Alkalinity), 1/2 ounce, used in No. 761, No. 782, No. 783 ³	48	3
R161200	No. 3B (Alkali Base Demand), 1/2 ounce, used in No. 78+, No. 7600, No. 7700DPD	48	3
R161202	No. 3B (Alkali Base Demand), 1 ounce, used in No. 78DPD+, PRO 11	48	6
R161204	No. 4 (Chlorine Neutralizer), 1/2 ounce, used in No. 78+, No. 7000 Series, No. 1300, PRO 11, No. 761, No. 782, No. 783 ⁵	48	3
R161203	No. 5 (Total Alkalinity Test), 1/2 ounce, used in No. 78+, No. 7000 Series, No. 1300, PRO 11, No. 761, No. 782, No. 783 ⁴	48	3
R161634	No. 6 (Water Hardness Test), 1/2 ounce. Used in No. 761, No. 782, No. 783, No. 1200, PRO II	48	3
R161642	No. 7 (Water Hardness), 1/2 ounce. Used in No. 761, No. 782, No. 783	48	3
R161644	No. 7 (Water Hardness), 1 ounce. Used in No. 1200, PRO II	48	6

¹ Replaces Solution "A"

³ Replaces Solution "C"

⁵ Replaces Solution "1"

⁶ "pH Solution" or "Phenol Red" formulated by Pentair contains chlorine

² Replaces Solution "B"

⁴ Replaces Solution "D"

Note: Products containing OTO not available in the State of California.

Note: Air shipment of OTO solution and kits containing OTO solution is prohibited.

WATER HARDNESS/SPECIALTY TEST KITS



PRO11

Featured Highlights

Professionals Pro 11 Test Lab

- Complete 11 test lab designed for service professionals. Free, Total and Combined Cl, Br, Iodine, pH, Acid Demand, Total Alkalinity, Water Hardness and Cyanuric Acid. Handy red tote box contains complete instructions, solutions and tests. Pro-Design Test Cell features Cl range to 10ppm and meets recommended industry standards.

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
CYANURIC ACID TEST KITS				
R151226	79	Determine parts per million of Cyanuric Acid, test vial designed for positive readout, 8 oz. reagent, instructions in Styrene box with clear top	6	8
PRO 11 MINI LAB				
R151716	PRO 11	Professional Test Lab	6	13
TOTAL ALKALINITY TEST KITS				
R151306	1300	Indicates ppm of alkalinity, test vial, 1 oz. No. 3, 1/2 oz. No. 4, No. 5, blue compact box with instructions	24	12
WATER HARDNESS TEST KITS				
R151276	1200	Total Water Hardness Test Kit, total Hardness in ppm or grains, test vial, 1/2 oz. No. 6, 1 oz. No. 7 and instructions, compact box	24	11



1200

1300

79



Water Hardness/Specialty Test Kits

RAPID TEST STRIPS AND DIGITAL SALT TESTER

Featured Highlights

- **Rapid Test Strips** - Dip...swirl...and read instantly. No waiting.
- **3-Way Strip Tests for Free Chlorine or Bromine, pH, and Alkalinity**
50 Rapid Tests per bottle
- **5-Way Strip Tests for Free Chlorine or Bromine, Total Chlorine, pH, Alkalinity and Total Hardness**
50 Rapid Tests per bottle
- **Salt Strips (Sodium Chloride)**
10 Tests per bottle - Range 1500–5000 ppm



QuickTest™ Salt Tracer Kit

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
RAPID TEST STRIPS			
R161566	3 Way, French, Spanish, English, with display box	12	2
R161568	5 Way, French, Spanish, English, Blister Card with display box	12	3
200060	Salt Strips (Sodium Chloride), English, Spanish, Blister Card with display box	12	2
DIGITAL SALT TRACER			
200064	QuickTest Salt Tracer Kit, includes handheld meter, 50 phosphate test strips, water sample cup, 2 vials of conductivity standard test solutions, carrying case	1	3
200065	Replacement Phosphate Test Strips, Clamshell – 50 strips/pack WHT	6	2
200066	Replacement QuickTest Calibration Solution	12	1.5



Rapid Test Strips

THERMOMETERS



Thermometers

Featured Highlights

High-quality pool and spa thermometers help deliver accurate temperature readings for greater enjoyment of recreational water. Pool thermometers also provide crucial information about the performance of pool heating systems.

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
THERMOMETERS				
R141036	127	Tube thermometer, ABS case, 3 ft. cord, bubble pack	24	4
R141046	127	Tube thermometer, bulk pack	48	6
R141076	130	Chrome brass thermometer, blown glass tube secured in brass tubing, 3 ft. cord, bubble pack	24	6
R141086	130	Chrome brass thermometer, bulk pack	48	9
R141106	133	Floating thermometer, ABS tube, flotation cap with color label, bubble pack	24	6
R141200	136	E-Z read combo sink or float thermometer ABS with shatterproof magnifying lens, snap-on/off flotation top, 3 ft. leash w/ anchor plate, hanging or standing clam shell pack	24	8
R221270		Floating accessory leash, prevents floating thermometers from hanging up or drifting away, 3 ft. cord and anchor plate with pad to adhere to most surfaces	24	1



Floating Accessory Leash – prevents items such as a floating chlorinators or thermometers from hanging up or drifting away. Three foot cord and anchor plate with pad to adhere to most surfaces.

VINYL LINER POOL VACUUMS

Featured Highlights

191 Economy Vacuum

- Crescent shaped blue ABS with polypropylene bristles. Has snap-adapt handle and fits 1-1/4 in. or 1-1/2 in. vacuum hose.

193 Vinyl Liner Vacuum

- Oval shaped blue ABS with protective vinyl bumper. Ideal for vinyl liner pools or use on new plaster pools. Replaceable brushes, enclosed lead weights and snap-adapt handle. Fits 1-1/4 in. or 1-1/2 in. vacuum hose.

194 Econo Triangular Vacuum

- Sand weighted ABS body with replaceable brushes and snap-adapt handle. Fits 1-1/4 in. or 1-1/2 in. vacuum hose.

196 Clear View Vacuum

- Triangular shaped, weighted "see-thru" design. Features 2 piece 1-1/4 in. 1-1/2 in. vacuum hose swivel connection which allows hose to move freely without twisting. Cleans corners easily with protective vinyl bumper. Snap-adapt handle and replaceable adjustable brushes.



Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
VINYL LINER POOL VACUUMS				
R201108	191	Economy vacuum, 191SW with lead weights	12	21
R201350	193	Vinyl liner vacuum, clam shell display pack	6	21
R201392	194	Econo triangular vacuum, clam shell display pack	6	26
R201398	196	Clearview vacuum, clam shell display pack	6	28

Note: All items with snap-adapt handle include a High Performance Acetal Resin spring and will snap into all standard poles or can be bolted on if preferred simply by removing Acetal Resin spring.

FLEXIBLE POOL VACUUMS CONCRETE POOLS

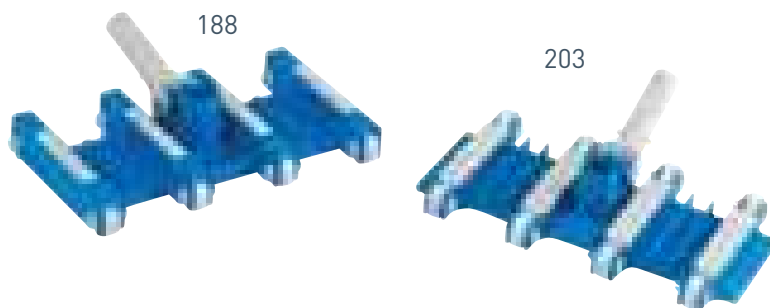
Featured Highlights

188 Flexible Pool Vacuum

- Rugged polyethylene housing with enclosed weights. Adjustable solid molded wheels with stainless steel fasteners. Snap-adapt handle.

203 Superflex 14 in. Flexible Pool Vacuum

- Has factory set replaceable molded wheels and fasteners. Includes covered weights and snap-adapt handle with stainless steel wall-hugging spring device.

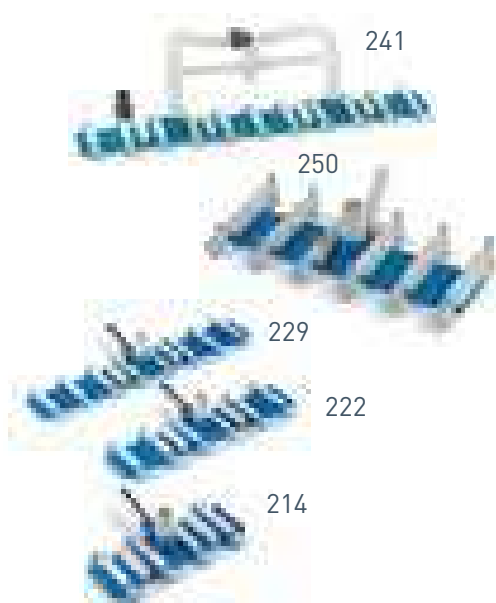


Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
FLEXIBLE POOL VACUUMS				
R201112	188	12 in. flexible vacuum, clam shell display pack	6	35
R201388	203	Superflex 14 in. flexible vacuum, clam shell display pack	6	25

PROVAC®

FLEXIBLE COMMERCIAL VACUUMS



Featured Highlights

ProVac Residential & Commercial Vacuums

- The ProVac vacuum cleans a pool bottom in half the time
- Suction chamber concentrates vacuum velocity equally
- Full width flex strips guide debris into the suction chamber
- All wheels are adjustable to increase or decrease the vacuum velocity
- Includes 1-1/2 in. vac hose swivel connection

241 Super ProVac Vacuum

- Increased speed in cleaning large commercial pools

241 Super ProVac Vacuum (cont'd)

- 41 in. wide, dual port vacuum
- 22 ball bearing polyurethane wheels
- Includes adapters for 1-1/2 in. and 2 in. vacuum hose

250 Swivel Wheel 19 in. Commercial Flexible Vacuum

- ABS and polyethylene wheels with 6 lead weights swivel in any direction
- 19 in. body has 1-1/2 in. vacuum swivel adapter which allows hose to move freely without twisting. 2 in. hose fits directly on vacuum.
- Has snap-adapt handle and all component parts are replaceable

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
241 SUPER PROVAC				
R201298	241	Super ProVac Vacuum, 22 ball bearing polyurethane wheels, suction chamber, strategic weighting and dual manifold with handle joining assembly, includes adapters for 1-1/2 in. and 2 in. vacuum hose, boxed	1	21
250 COMMERCIAL FLEXIBLE VACUUM				
R201126	250	Swivel wheel 19 in., boxed	4	37
PROVAC SERIES RESIDENTIAL & COMMERCIAL VACUUMS				
R201276	214	14 in. Commercial model, metal swivel handle, ball bearing wheels, SS nut and bolt, boxed	6	46
R201286	222	22 in. Commercial model, metal swivel handle, ball bearing wheels, stainless steel shaft, boxed	1	9
R201296	229	29 in. Commercial model, metal swivel handle, ball bearing wheels, stainless steel shaft, boxed	1	11

Note: Refer to price list for vacuum replacement items such as handles, pins, hardware, wheels, axle assemblies, High Performance Acetal Resin clips and brushes.

MINI VAC™ / VAC-MATE® VACUUM/SKIMMER

Featured Highlights

Mini Vac Vacuum

Cleans spas, above ground pools, ponds, fountains and spot cleans large pools

- Designed for use with a garden hose or 1-1/4 in. or 1-1/2 in. vacuum hose
- Mini Vac Vacuum comes complete with silt bag, hose adapter, shut-off valve for garden hose use and snap-adapt handle for attaching PVC or telescopic poles
- Includes brush attachment for use on vinyl, fiberglass or smooth plaster surfaces and a nozzle attachment with wheel for use on rougher surfaces or spot cleaning large pools

Vac-Mate Vacuum/Skimmer

- A multi-function vacuum/skimmer attachment. The addition of a Vac-Mate Vacuum/Skimmer in most skimmers allows you to control a suction cleaner while maximizing surface skimming, all with one simple setting of the control handle.
- Skims pool surface continuously while cleaner is operating
- Traps debris in Vac-Mate Vacuum/Skimmer basket before it reaches pump pot
- Replaces most control mechanisms supplied with pool cleaners
- Makes any suction type pool cleaner and wall skimmer fully automatic



204

Mini Vac Display Box

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
MINIVAC VACUUM				
R191128	666H	PVC handle, 1-1/4 in. x 6 ft.	12	13
R201146	204	Mini Vac Vacuum, display box	12	15
R201156	204	Mini Vac Vacuum, bubble pack card	12	16
R201716	204	Silt socks, 3 per bubble pack	12	2
R201718	204	Replacement bags, 2 per bubble pack	12	2
VAC-MATE VACUUM/SKIMMER				
R211100		Fits Pentair products 506300 Series and SwimQuip U3.	6	21



VAC-MATE



R211100

MISCELLANEOUS ACCESSORIES



Featured Highlights

Ladder Bumper

- Inner/outer design with pliable starter plug. Molded of medium density PVC. Fits standard 1.900 O.D. S.S. tubing.
- Protects pool wall from open end of tubular ladders

Silicone Lubricant

- For use on rubber seals, gaskets and o-rings in contact with plastics and metals. Recommended for use on filters, pumps, chlorinators and valves where corrosion occurs.

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
DISCHARGE HOSES				
R221218		1-1/2 in. x 50 ft. with stainless steel clamp, display box	1	4
R221220		2 in. x 50 ft. with stainless steel clamp, display box	1	6
R221222		1-1/2 in. x 200 ft., display box	1	18
R221224		2 in. x 200 ft., display box	1	20
R221400		1-1/2 in. x 35 ft., display box	1	3
LADDER BUMPER				
R221298		Ladder Bumper, Bulk pack, fits std 1.900 O.D. S.S. tubing	288	49
R221300		Ladder Bumper, Bubble pack (2 per card), fits std 1.900 O.D. S.S. tubing	1	
SILICONE LUBRICANT				
R172036Z		3/4 ounce	1	
R172351		3/4 ounce, in counter display	30	3
MISCELLANEOUS ACCESSORIES				
R22010Z	850	Winterizing plug, 1-1/2 in. pipe thread, polyurethane	1	
R22011	852	Winterizing plug, 2 in. pipe thread, polyurethane	1	
LEAK DETECTOR				
R220006	151	Device attaches to telepole or 1-1/4 in. pole, includes red dye solution which follows leaks, can also be used to spot treat algae, rust etc., 1/2 oz. leak detector solution, 1/2 oz. bottle, complete instructions, bubble packed	12	6
R220008		Leak detector replacement solution, 3/4 oz.	1	

AQUATRAM® POOL ACCESS LIFTS

ADA-COMPLIANT COMMERCIAL POOL LIFTS

Featured Highlights

- All AquaTRAM lifts comply with ADA Guidelines
- Dual flip-up arm rests provide easy and aids in a safer access
- Rechargeable battery-powered operation for easy use
- Comfortable seat with adjustable lap belt
- Simple-to-operate controls provide easy access in and out of pool
- Stainless steel with corrosion-resistant powder coated finish
- Lifting capacities up to 500 pounds
- Color options available

ADA Regulations mandate that most types of commercial swimming pools must have ADA-compliant pool lifts or other approved means of access installed. AquaTRAM pool access lifts aid in a safer and easier swimming pool access for swimmers with physical disabilities. With four versions to choose from, there is an AquaTRAM lift that fits every pool and budget. Standard features include simple to operate controls, rechargeable battery-powered operation and lifting capacities of up to 500 pounds.



AquaTRAM 90+



AquaTRAM LT-2



AquaTRAM PT-2



AquaTRAM 360

Ordering Information

Product	Model	Carton Qty.	Carton Wt. (Lbs.)
AQUATRAM 90+ LIFT			
11420	AquaTRAM 90+ Lift with Quickset Dual Wedge Anchor	1	225
11420-A	AquaTRAM 90+ without Quickset Dual Wedge Anchor	1	220
11421	AquaTRAM 90+ Lift for Round Anchor Post with Anchor	1	225
11421-A	AquaTRAM 90+ for Round Anchor Post without Anchor	1	215
AQUATRAM LT-2 LIFT AND ANCHOR			
11430	AquaTRAM LT-2 Lift with Anchor Kit	1	170
11430-A	AquaTRAM LT-2 Lift Less Anchor Kit	1	160
AQUATRAM PT-2 LIFT			
11480	AquaTRAM PT-2 Lift with Sand Ballast (sand not included)	1	425
AQUATRAM 360			
11250	AquaTRAM 360 Lift with Anchor	1	365
11250-A	AquaTRAM 360 Lift without Anchor	1	350

Note: Not every lift will work for every application and pool profile. For example, the AquaTRAM and AquaTRAM LT lifts are not designed to clear high curbs or walls. To ensure that you are selecting an appropriate lift for your facility, please refer to our AquaTRAM verification guides or contact customer service for additional applications assistance. AquaTRAM verification guides are available on our website at www.pentair.com.

Note: For best efficiency please email your purchase orders to: paragoncustserv@pentair.com.

For information about AquaTRAM lift accessories, please contact your Pentair Representative.

AquaTRAM products may have extended lead-times and cannot be combined with any Pentair freight programs.

AQUATRAM® POOL ACCESS LIFTS

POOL LIFT ACCESSORIES

CHOOSE THE AQUATRAM LIFT THAT RISES TO YOUR NEEDS

Features and Benefits	AquaTRAM 90+	AquaTRAM 360 Lift with in-deck, tool-free anchoring	AquaTRAM LT-2 Lift with lag-bolt anchoring	AquaTRAM PT-2
Lifting capacity	400 lbs.	500 lbs.	350 lbs.	325 lbs.
ADA Compliant	✓	✓	✓	✓
Rotation for tight-area access	90° right or left	360°		90° right or left
Boom arm design adapts to the most demanding and specialized applications; superb reach and wall clearance	✓	✓		
Can serve 2 adjoining pools with 1 lift		✓		
Low-profile design uses minimal deck space	✓		✓	✓
22"-wide seat standard		✓		
Compact and lightweight, fits through most doorways	✓		✓	✓
Secure in-deck anchoring with patented design; tool-free removal; portable with optional Transport Cart	✓	✓		
Secure Docking Bar included to secure in place per ADA requirement				✓
Lag bolt anchoring, quick removal with tools; portable with optional Transport Cart			✓	
Dual flip-up armrests for easier access and aids in safer transfers	✓	✓	✓	✓
Adjustable & removable footrest fits users across a wide range of sizes	✓	✓	✓	✓
Adjustable lap belt with hook & eye fastening	✓	✓	✓	✓
Easy-to-use Slim Line controls can be operated from seat or pool ledge	✓	✓	✓	✓
Stainless steel construction, durable powder-coat finish	✓	✓	✓	✓
Battery-operated; easier to install & smoother transport than water power	✓	✓	✓	✓
Slim, one-piece 24V rechargeable battery	✓	✓	✓	✓
Submersible remote	✓	✓	✓	✓
5-year Limited Warranty (prorated after year 2 on electronics)		✓		✓
Lifetime Limited Warranty on frame		✓		
2-year Limited Warranty	✓		✓	
Solar Upgrade Option Available	✓		✓	
Plastics Color: Blue (standard) Tan Gray White	✓	✓	✓	✓
Powder Coat Color: White (standard) Tan Gray	✓	✓	✓	✓

AQUATRAM® POOL ACCESS LIFTS

POOL LIFT ACCESSORIES (CONT'D)

AQUATRAM 90+ LIFT

Pentair P/N	Description
11420	AquaTRAM 90+ Lift w/ Quickset Dual Wedge Anchor
11420-A	AquaTRAM 90+ Lift w/o Quickset Dual Wedge Anchor
11421	AquaTRAM 90+ Lift for Round Anchor Post w/Anchor
11421-A	AquaTRAM 90+ Lift for Round Anchor w/o Anchor
11222	AquaTRAM 90+ Lift Cover
11343	AquaTRAM 90+ Lift Transport Cart
11226	AquaTRAM 90+ Anchor for Round Post Model
11202	AquaTRAM 90+ Anchor for Square Post Anchor
11240	2-1/2"OD x 1.95" ID Anchor Adapter Sleeve
11241	2-3/8"OD x 1.95" ID Anchor Adapter Sleeve
11242	2-5/8"OD x 1.95" ID Anchor Adapter Sleeve
11243	Round Anchor for Wood-Framed Deck

AQUATRAM PT-2 LIFT

Pentair P/N	Description
11480	AquaTRAM PT-2 Lift w/ Sand Ballast (sand not incl.)
11285	AquaTRAM PT-2 Cover, Blue
11287	AquaTRAM PT-2 Accessory Upgrade Kit**
11289	Affixment Kit (contains docking bar and anchor)

**Includes cover, headrest, chest strap and extra battery

AQUATRAM SERIES SHARED OPTIONS & ACCESSORIES

Pentair P/N	Description
11206	AquaTRAM Adjustable Chest Strap
11208	AquaTRAM Pull-out Leg Rest
11211	AquaTRAM Replacement Battery (LINAK)
11277	AquaTRAM Replacement Charger (LINAK)
11212	AquaTRAM Replacement Battery (VITO)
11279	AquaTRAM Replacement Charger (VITO)
11213	AquaTRAM Replacement Footrest
11207	AquaTRAM Cycle Attachment
11305	AquaTRAM Replacement Seat w/ Arms
11215	AquaTRAM Replacement Seat Belt
11306	AquaTRAM Footrest

AQUATRAM LT-2 LIFT AND ANCHOR

Pentair P/N	Description
11430	AquaTRAM LT-2 Lift w/ Anchor Kit
11430-A	AquaTRAM LT-2 Lift Less Anchor Kit
11231	AquaTRAM LT-2 Anchor Kit only
11232	AquaTRAM LT-2 Transport Cart
11204	AquaTRAM Protective Cover
11205	Adjustable Headrest, AquaTRAM LT only
11270	AquaTRAM Replacement Hand Control
11271	AquaTRAM Replacement Control Box (LINAK)
11278	AquaTRAM Replacement Control Box (VITO)
11273	AquaTRAM Replacement Actuator Cover

AQUATRAM 360 LIFT AND ACCESSORIES

Pentair P/N	Description
11250	AquaTRAM 360 Lift w/ Anchor
11250-A	AquaTRAM 360 Lift without Anchor
11252	AquaTRAM 360 Anchor Kit w/ Cap
11257	AquaTRAM 360 Protective Cover
11254	AquaTRAM 360 Adjustable Headrest
11253	AquaTRAM 360 Transport Cart
11255	AquaTRAM 360 Sling Arm Option (500-lb. capacity)
11256-C	AquaTRAM 360 Replacement Sling Chain Set
11256	AquaTRAM 360 Replacement Sling (500-lb. capacity)
11256-B	AquaTRAM 360 Replacement Sling Bars
11258	AquaTRAM 360 Gurney Option
11260	AquaTRAM 360 Spine Board Option
11261	AquaTRAM 360 Head Immobilizer for Spine Board
11274	AquaTRAM 360 Replacement Hand Control, 4-Button
11275	AquaTRAM 360 Replacement Control Box
11276	AquaTRAM 360 Replacement Actuator
11259	AquaTRAM 360 Wheelchair Option, 22" Chair included

NOTES

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PENTAIR
POOL

PUMPS

INTELLIFLO3™

VARIABLE SPEED AND FLOW POOL PUMP

TRADEGRADE



IntelliFlo3 Variable Speed And Flow Pool Pump

Featured Highlights

- Proprietary flow technology maintains the pool's optimal flow
- Up to 90% energy savings
- New motor, drive and hydraulics
- Optional onboard automation
- Easy setup and remote updates

This pump combines true set-it-and forget-it patented flow technology paired with touch screen HMI. The proprietary combination of variable speed plus auto-regulated flow means all good things flow from the IntelliFlo3—for your customers and for your business. Small pool or big, this pump is a simple, smart, worry-free way to give pool owners the effortless, inviting pool experience they expect.

Ordering Information

Part #	Description	THP	WEF	Maximum Input Voltage	Frequency	Full Load AMPs	Port Size (NPT)	Weight	Certification ³
INTELLIFLO3 VARIABLE SPEED AND FLOW POOL PUMP WITH TOUCH SCREEN HMI									
011077	IntelliFlo3 VSF 3.0 HP with touchscreen	3	7.1	208V-230V	50 Hz or 60 Hz	12.4-11.2	2" x 2" or 2.5" x 2.5" or (optional) 3" x 3"	55 lbs	UL ¹ , NSF ²
011078	IntelliFlo3 VSF 3.0 HP with touchscreen and relay board	3	7.1	208V-230V	50 Hz or 60 Hz	12.4-11.2	2" x 2" or 2.5" x 2.5" or (optional) 3" x 3"	55 lbs	UL ¹ , NSF ²
INTELLIFLO3 VARIABLE SPEED AND FLOW POOL PUMP WITH TOUCH SCREEN HMI									
011067	IntelliFlo3 VSF 1.5 HP with touchscreen	1.5	9.4	115/208-230V	50 Hz or 60 Hz	12/6.4-5.9	1.5" x 1.5" or 2" x 2"	48 lbs	UL ¹ , NSF ²
011068	IntelliFlo3 VSF 1.5 HP with touchscreen and relay board	1.5	9.4	115/208-230V	50 Hz or 60 Hz	12/6.4-5.9	1.5" x 1.5" or 2" x 2"	48 lbs	UL ¹ , NSF ²

¹ 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

² 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools, Spas and Hot Tubs.

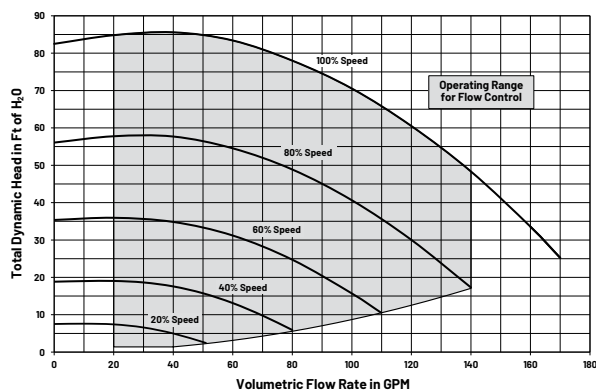
³ Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

INTELLIFLO3™ (CONT'D)

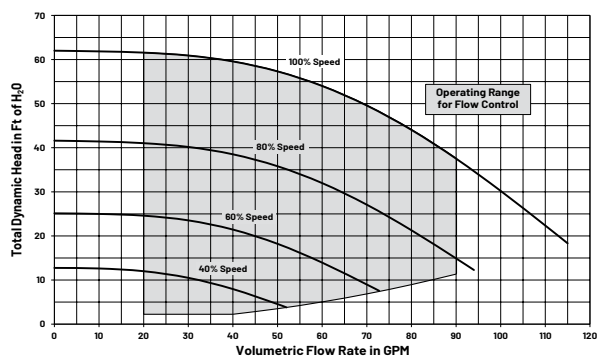
VARIABLE SPEED AND FLOW POOL PUMP

Dimensions and Performance

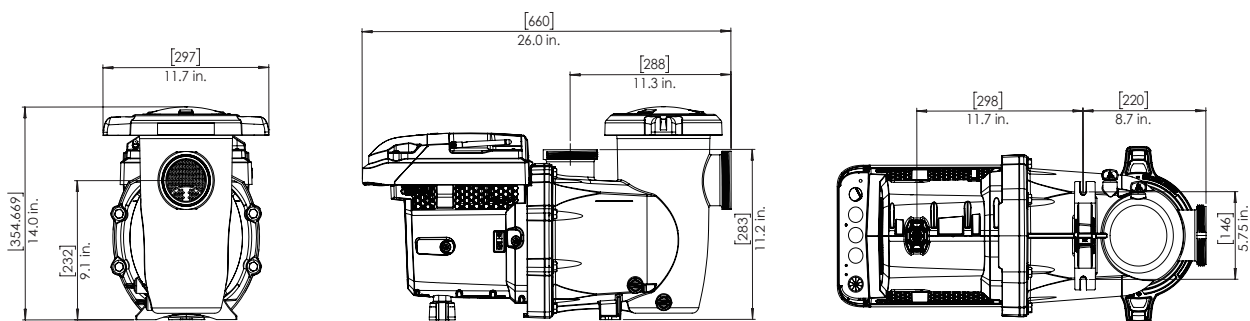
Pump Performance Curves (3 HP Models)



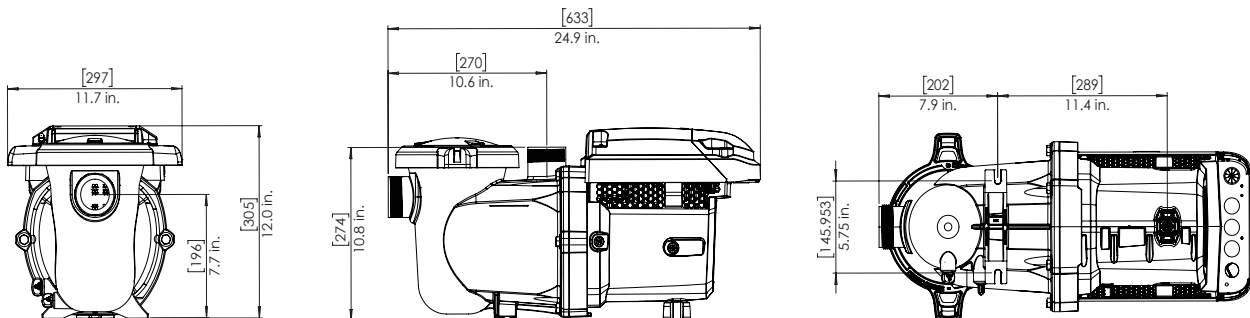
Pump Performance Curves (1.5 HP Models)



Pump Dimensions (3 HP Models)



Pump Dimensions (1.5 HP Models)



INTELLIFLO® VS+SVRS

HIGH PERFORMANCE PUMPS



IntelliFlo VS+SVRS
High Performance Pump

Patent Information: www.pentair.com/patents

IntelliFlo pumps combine variable speed technology, onboard digital intelligence and permanent magnet motors (used in hybrid cars) to reduce pump-related energy costs by up to 90%. The IntelliFlo VS+SVRS pump models were the first swimming pool pumps to feature a built-in Safety Vacuum Release System that detects drain blockage and automatically shuts the pump off.

Featured Highlights

- Ability to program exact pump speeds for specific operations – filtering, heating, cleaning, spa jets, water features and more
- SVRS complies with Virginia Graeme Baker Safety Act
- Built-in diagnostics helps protect the IntelliFlo pump from the most common causes of premature failure – overheating, freezing, and voltage irregularities.
- Includes priming protection. No SVRS calibrations needed. Built-in SVRS cannot be turned off.
- Safety lock-out feature (password protected) prevents pump speed settings from being changed by unauthorized personnel
- Ability to set minimum and maximum speeds so pump will only operate within the ranges set to help assure suitable operation for a longer life
- Compatible with Pentair Automation Systems
- Compliant with the current ASME A112.19.17 Standard for Safety Vacuum Release Systems (SVRS)
- Operates seamlessly on 50 hz or 60 hz input power. Flow/speed are constant when operating on 50hz or 60 hz.

Ordering Information

Product	Description	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certification ³
ENERGY EFFICIENT VARIABLE SPEED WITH SAFETY VACUUM RELEASE SYSTEM											
011057	IntelliFlo VS+SVRS	3.95	6.9	1.88	1.0	230	50/60	16.0	2" x 2"	53	UL ¹ , NSF ²
ACCESSORIES											
521109	IntelliCom 2 - Rated 9 - 30 V DC with 4 inputs										1
350122	Communication Cable - 50 ft. - Included with pump										2
350250Z	SVRS KIT - Allows use of discharge check valves with SVRS pump										1
356198	Chemical/Salt/Ozone Resistant EPDM & SS Seal Quick Kit										1
UNIONS											
11201-0154	2 in. x 2 in. Union (2 in. NPT male x 2 in. female NPT quick connect)										2

¹ 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

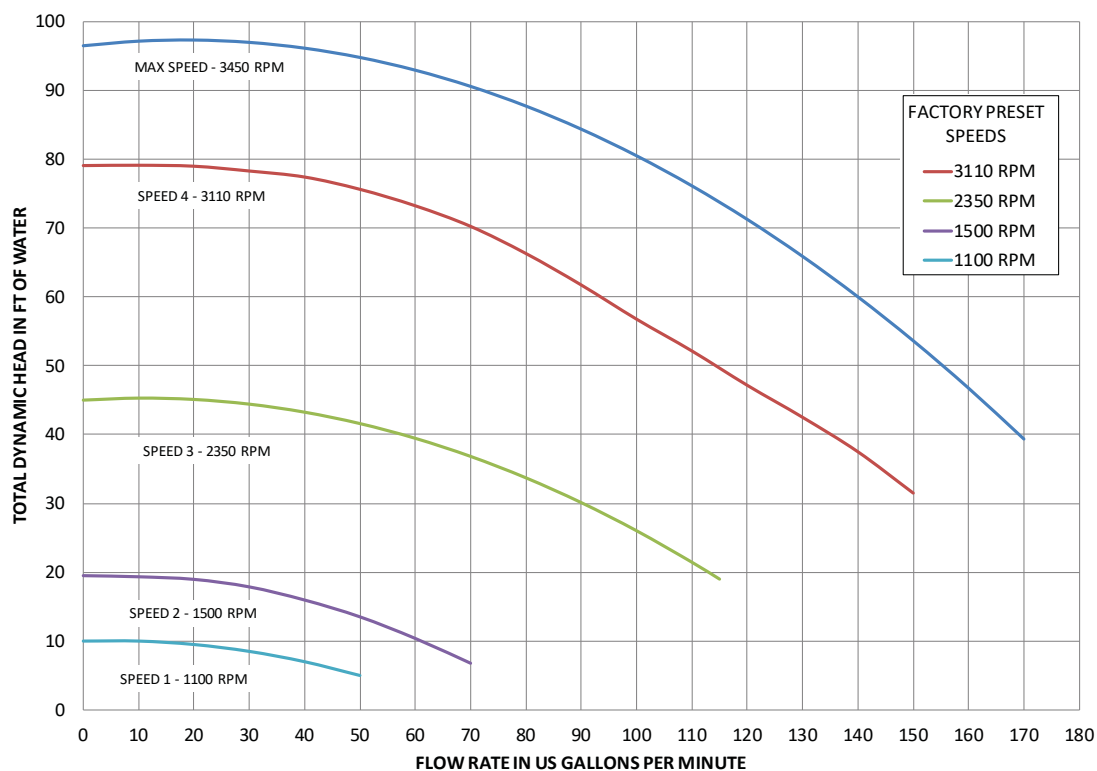
² 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools Only.

³ Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

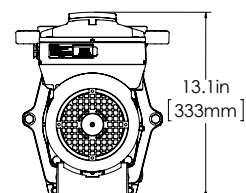
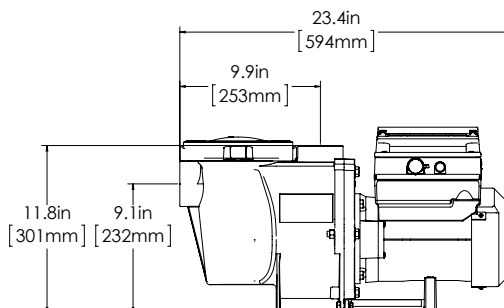
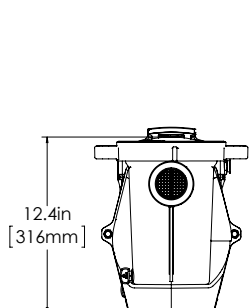
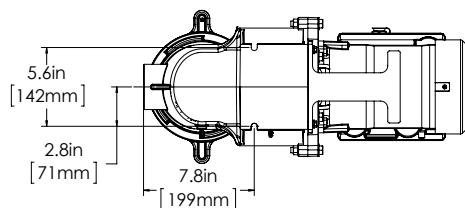
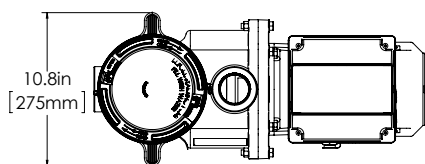
INTELLIFLO® VS+SVRS

HIGH PERFORMANCE PUMPS (CONT'D)

Dimensions and Performance



Note: IntelliFlo VS+SVRS minimum speed is 1100 RPM



WHISPERFLO XF[®]

HIGH PERFORMANCE PUMPS

TRADEGRADE



WhisperFloXF Pump
shown with TEFC Motor

Featured Highlights

- Drop-in replacement for all WhisperFlo[®] Pump models. Simple replacement for Challenger[®] Pumps.*
- Union connectors included for connecting directly to 2.5 in. or 3 in. plumbing
- Extra large, robust basket with smooth surface for easy debris removal
- Easy-carry handle; easily removable ergonomic lock ring; and see-through lid for easy basket inspection
- Three Phase XF pumps are compatible with Pentair's Acu Drive XS VFD's

Developed using the most advanced engineering tools available - CFD (Computational Fluid Dynamics) and FEA (Finite Element Analysis). The impeller design delivers high level of precision concentricity for increased efficiency. *Optional riser base for Challenger pump replacements. Part # 400012 available separately.

Ordering Information

Product	Rated HP	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certification ³	Curve Key
COMMERCIAL SINGLE-SPEED TEFC												
022034	5	5	N/A	N/A	1.00	208-230	60	20.0-18.8	2.5" x 2.5" or 3" x 3"	67	UL ¹ , NSF ²	A
TEFC SINGLE-SPEED—NOT FOR SALE IN THE USA												
022032-INT	2	2.60	N/A	N/A	1.30	208-230	60	11.1-9.5	2.5" x 2.5" or 3" x 3"	57	UL ¹ , NSF ²	D
022033-INT	3	3.45	N/A	N/A	1.15	208-230	60	14.6-12.7	2.5" x 2.5" or 3" x 3"	61	UL ¹ , NSF ²	B
THREE-PHASE SUPER-DUTY												
022017	2	2.6	N/A	N/A	1.30	208-230/460	60	7.5-7.2/3.6	2.5" x 2.5" or 3" x 3"	60	UL ¹ , NSF ²	I
022018	3	3.25	N/A	N/A	1.15	208-230/460	60	9.8-9.4/4.7	2.5" x 2.5" or 3" x 3"	60	UL ¹ , NSF ²	H
022019	5	5.00	N/A	N/A	1.00	208-230/460	60	13.9-13.1/6.6	2.5" x 2.5" or 3" x 3"	72	UL ¹ , NSF ²	G
ACCESSORIES												
400012	XF Riser Base - Simplifies installation of XF-series pumps in applications where Challenger pumps are being replaced.											

¹ 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

² 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools Spas and Hot Tubs.

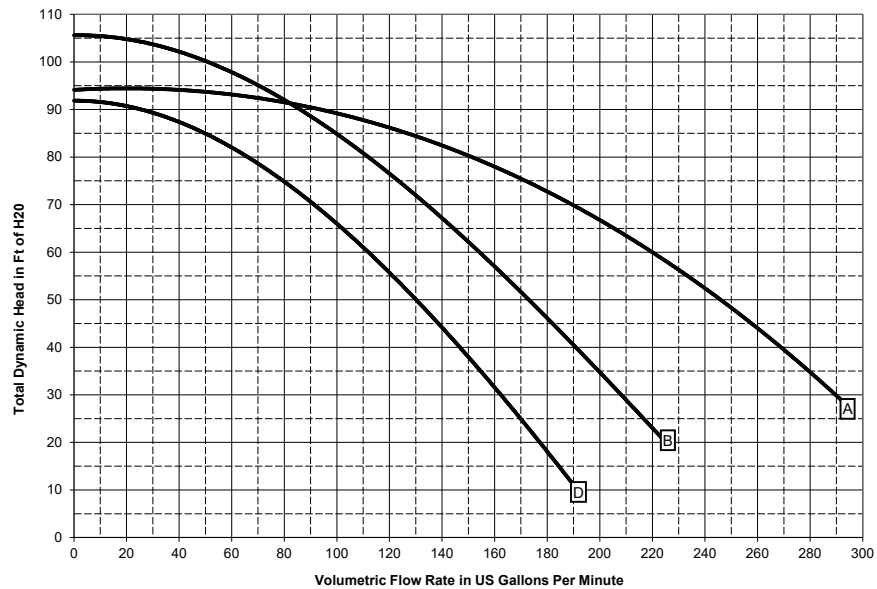
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WHISPERFLO XF[®]

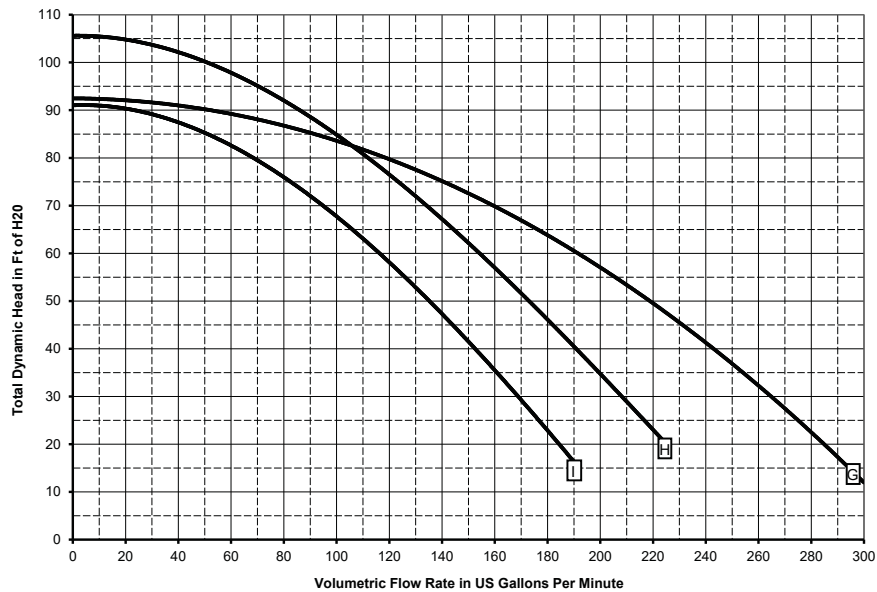
HIGH PERFORMANCE PUMPS (CONT'D)

Dimensions and Performance

1 & 2-Speed
Performance
Curve

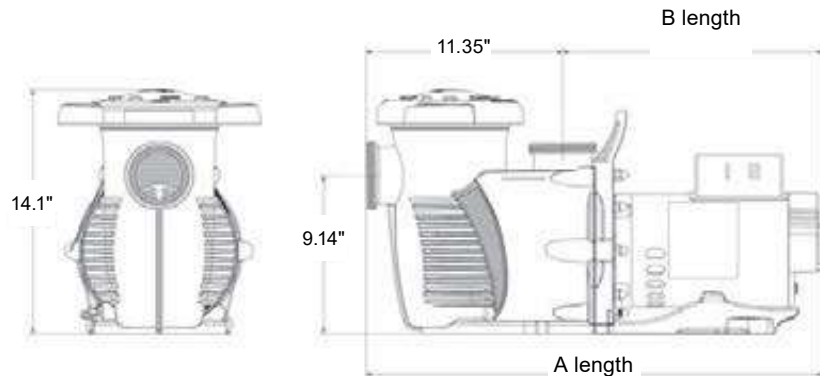


3 Phase
Performance
Curve



B-VARYING LENGTH		
HP	TEFC	3-PH
2	13.05	12.35
3	13.65	13.05
5	14.55	13.88

A-VARYING LENGTH		
HP	TEFC	3-PH
2	24.4	23.7
3	25	24.4
5	25.9	25.23



WHISPERFLO® VST

VARIABLE SPEED PUMP

TRADEGRADE



WhisperFlo VST
Variable Speed Pump

Featured Highlights

- Variable speed technology reduces energy cost up to 90%
- Improved mechanical seal and totally enclosed fan-cooled (TEFC) motor to help withstand harsh temperatures and chemicals
- RS-485 connectivity for improved interface with automation systems and IoT devices for more flexibility
- Advanced onboard digital display and real-time, 24-hour clock
- Select from three programmable speeds plus an override to meet specific needs
- Adapts to 115V to 230V and 50hz or 60hz power with no special wiring or switching

The WhisperFlo VST pump brings features and benefits that are just right for a pool owners' needs. Ideal for new and standard pool pump replacement for pools requiring up to a 2.0 HP pump for filtration, water features, and higher head applications.

Ordering Information

Product	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certification ³
WHISPERFLO VST VARIABLE SPEED										
011533	2.6	8.4	1.64	1.0	115/208-230V	50/60	13.9/11.1-10.1A	2" x 2"	45	UL ¹ , NSF ²

¹ 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3). UL 60730 Compliant.

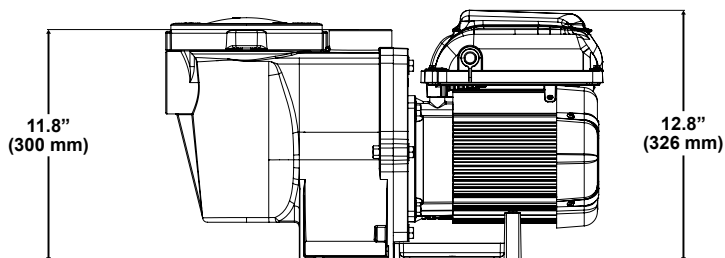
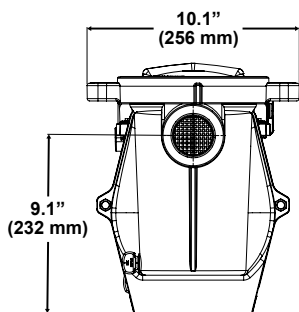
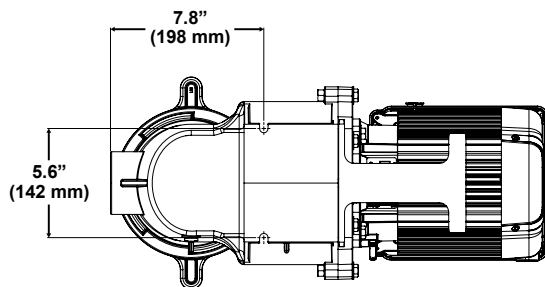
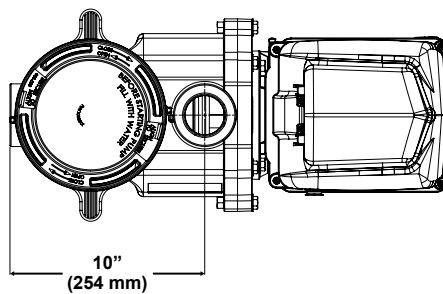
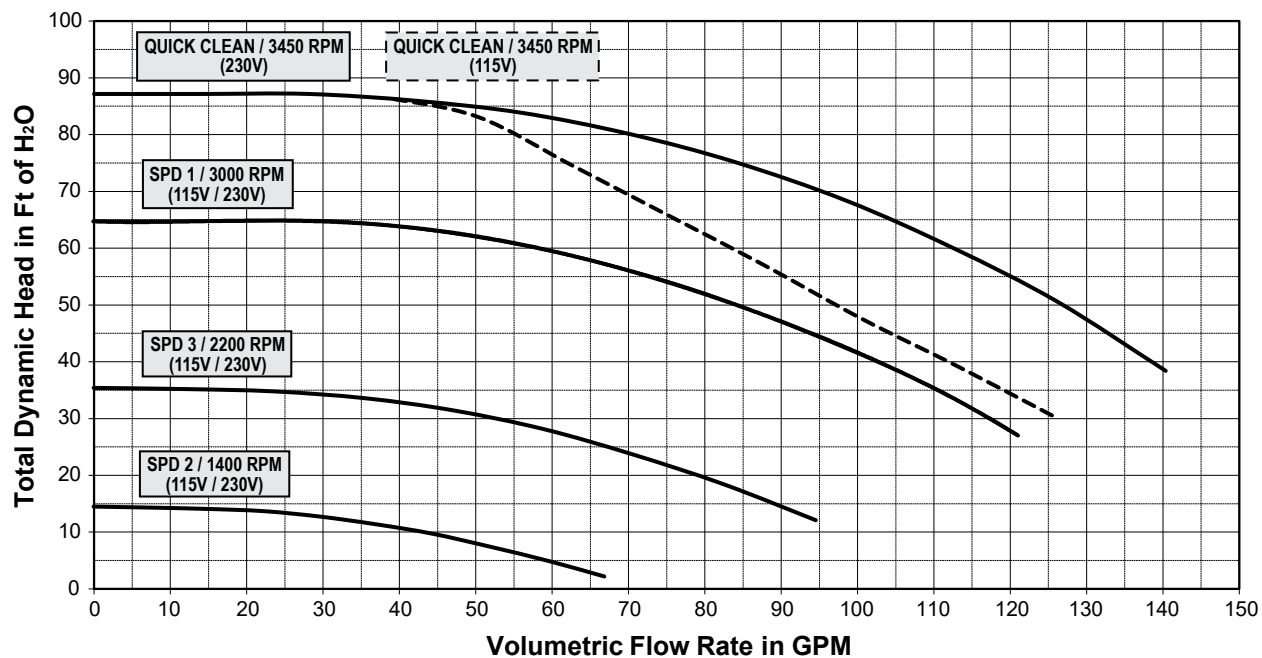
² 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools Only.

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WHISPERFLO® VST

VARIABLE SPEED PUMP (CONT'D)

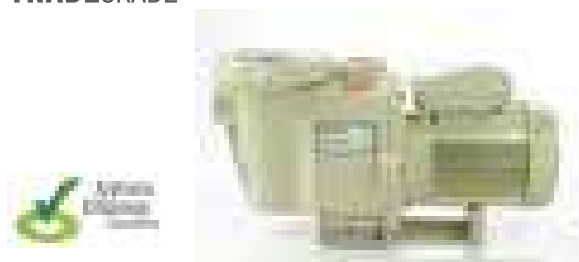
Dimensions and Performance



WHISPERFLO®

HIGH PERFORMANCE PUMPS

TRADEGRADE



WhisperFlo Pump shown
with TEFC Motor

Robust thermoplastic with the Cam & Ramp™ See-Through Lid design. Self-priming, high flow with Funnel-Flo™ Diffusers. 2 in. suction and discharge ports. Motor features threaded shaft and durable commercial duty 56 frame motor.

Featured Highlights

- Oversized strainer basket and volute—industry standard in pool pumps
- TEFC Motors available
- Lower HP's deliver higher performance than industry standard
- Compatible with all cleaning systems, various filters and jet action spas
- Heavy-duty/durable construction is designed for long life
- Designed for residential and commercial applications

Ordering Information

Product	Rated HP	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certifications ³	Curve Key
DOE COMPLIANT SINGLE-SPEED TEFC												
015583	N/A	1.1	3.4	0.69	1.00	115/208-230	60	10.5/5.4-5.4	2" x 2"	50	UL ¹ , NSF ²	E
ENERGY EFFICIENT SINGLE-SPEED - NOT FOR SALE IN THE USA												
011511-INT	1/2	0.95	N/A	N/A	1.00	115/208-230	60	8.8/4.5-4.4	2" x 2"	44	UL ¹ , NSF ²	E
011512-INT	3/4	1.25	N/A	N/A	1.00	115/208-230	60	12.8/7.0-6.4	2" x 2"	44	UL ¹ , NSF ²	F
TEFC SINGLE-SPEED - NOT FOR SALE IN THE USA												
011527-INT	1	1.65	N/A	N/A	1.00	115/208-230	60	15.1/8.5-7.7	2" x 2"	50	UL ¹ , NSF ²	G
011528-INT	1 1/2	2.21	N/A	N/A	1.00	208-230	60	10.3-9.1	2" x 2"	53	UL ¹ , NSF ²	H
011529-INT	2	2.60	N/A	N/A	1.00	208-230	60	11.7-10.3	2" x 2"	58	UL ¹ , NSF ²	I
011530-INT	3	3.45	N/A	N/A	1.00	208-230	60	14.6-12.7	2" x 2"	62	UL ¹ , NSF ²	J
ENERGY EFFICIENT 50 HZ SINGLE-SPEED - NOT FOR SALE IN THE USA												
347926-INT	1/2	0.55	N/A	N/A	1.10	240/120	50	7.5/15.0	2" x 2"	45	—	—
347927-INT	3/4	0.83	N/A	N/A	1.10	240/120	50	7.5/15.0	2" x 2"	45	—	—
347929-INT	1 1/2	1.65	N/A	N/A	1.10	240	50	7.2	2" x 2"	52	—	—
THREE-PHASE SUPER-DUTY												
011641	1	1.65	2.9	1.10	1.65	208-230/460	60	4.9-4.5/2.3	2" x 2"	41	UL ¹ , NSF ²	G
011642	1.5	2.21	2.6	1.44	1.47	208-230/460	60	6.4-6.3/3.2	2" x 2"	43	UL ¹ , NSF ²	H
011643	2	2.60	2.5	1.61	1.30	208-230/460	60	7.5-7.2/3.6	2" x 2"	47	UL ¹ , NSF ²	I
011644	3	3.45	2.1	2.02	1.15	208-230/460	60	9.8-9.4/4.7	2" x 2"	52	UL ¹ , NSF ²	J
ACCESSORIES												
11201-0154 2 in. x 2 in. Union (2 in. NPT male x 2 in. female NPT quick connect) * Note: two required per pump (sold individually)												
357156	Cover/Lid, Chemical Resistant, CAM & RAMP											
356198	Chemical/Salt/Ozone/Resistant EPDM & SS Seal Quick Kit											

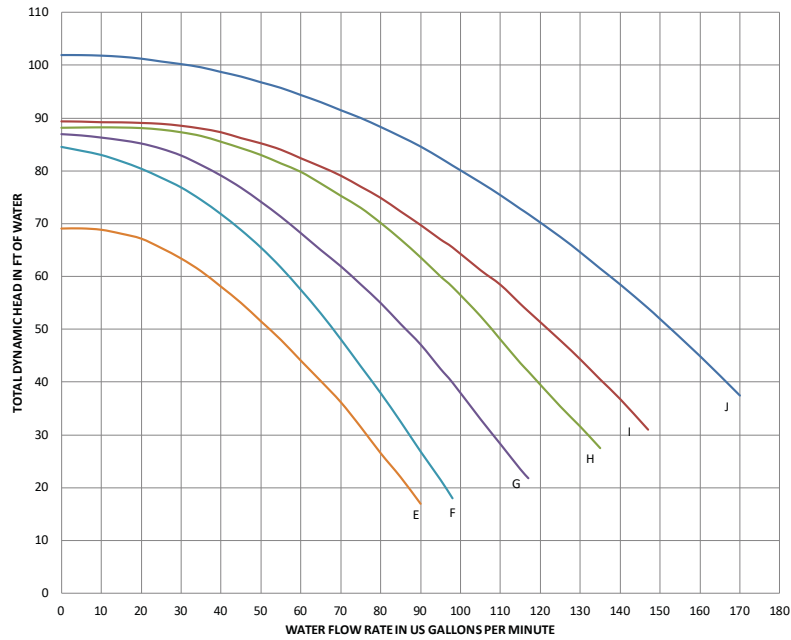
¹ 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

² 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools, Spas and Hot Tubs.

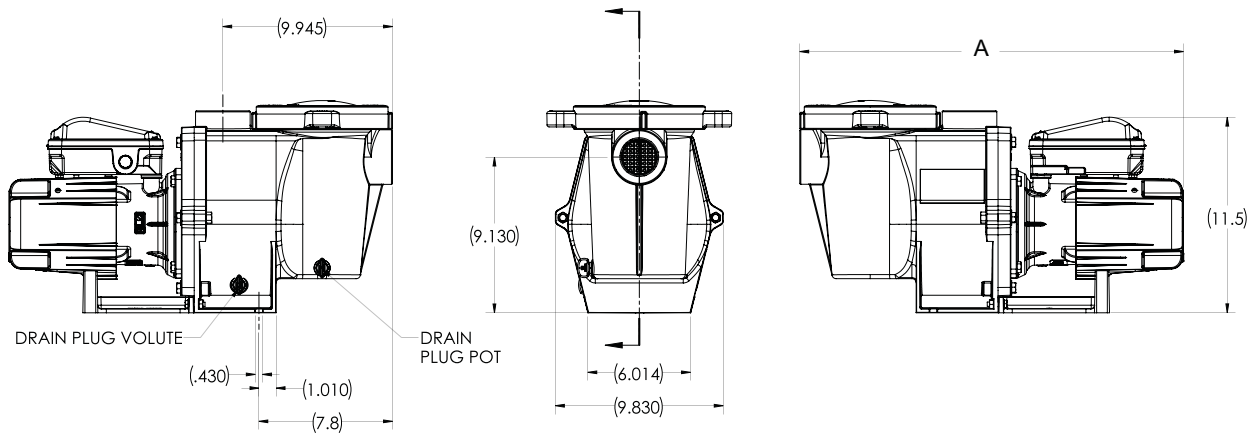
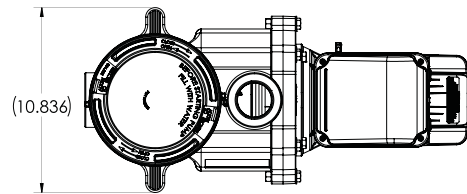
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WHISPERFLO® HIGH PERFORMANCE PUMPS (CONT'D)

Dimensions and Performance



A- VARYING LENGTH				
HP	EE	TEFC	DOE Compliant	3-PH
0.5	24.41	—	—	—
0.75	24.41	—	—	—
1	—	21.71	—	21.5
1.1	—	—	22.5	—
1.5	—	22.16	—	21.5
2	—	22.51	—	21.81
3	—	23.21	—	22.61



SUPERFLO® VST

VARIABLE SPEED PUMP

TRADEGRADE


SuperFlo VST Variable
Speed Pump

The SuperFlo VST Variable Speed Pump features sophisticated technology in a simple to operate pump. Designed for the practical pool owner, the SuperFlo VST pump has a dependable and robust Totally Enclosed Fan Cooled motor and can adapt to 115V to 230V and 50hz or 60hz power with no special wiring or switching.

Featured Highlights

- TEFC motor, can adapt to 115V to 230V or 50hz or 60hz power with no special wiring or switching
- Improved mechanical seal for long, dependable performance
- Simple, easy-to-use digital control keypad with three programmable speeds, override capability and a real-time, 24 hour clock
- Easy to access electrical connections for simple installation
- Ideal for new and standard pool pump replacement for pools requiring up to a 1.5 HP pump
- SuperFlo pumps by Pentair are a direct replacement for the Hayward® Super Pump® *

Ordering Information

Product	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certifications ³
SUPERFLO VST VARIABLE SPEED										
342002	2.2	9.0	1.08	1.0	115/208-230	50/60	13.6/8.0-7.1	1.5" x 1.5"	53	UL ¹ , NSF ²
ACCESSORIES										
356324Z	External Control Wiring Kit									
356197	Chemical/Salt/Ozone Resistant EPDM & SS Seal Quick Kit (for pumps Mfg. before June 2019)									

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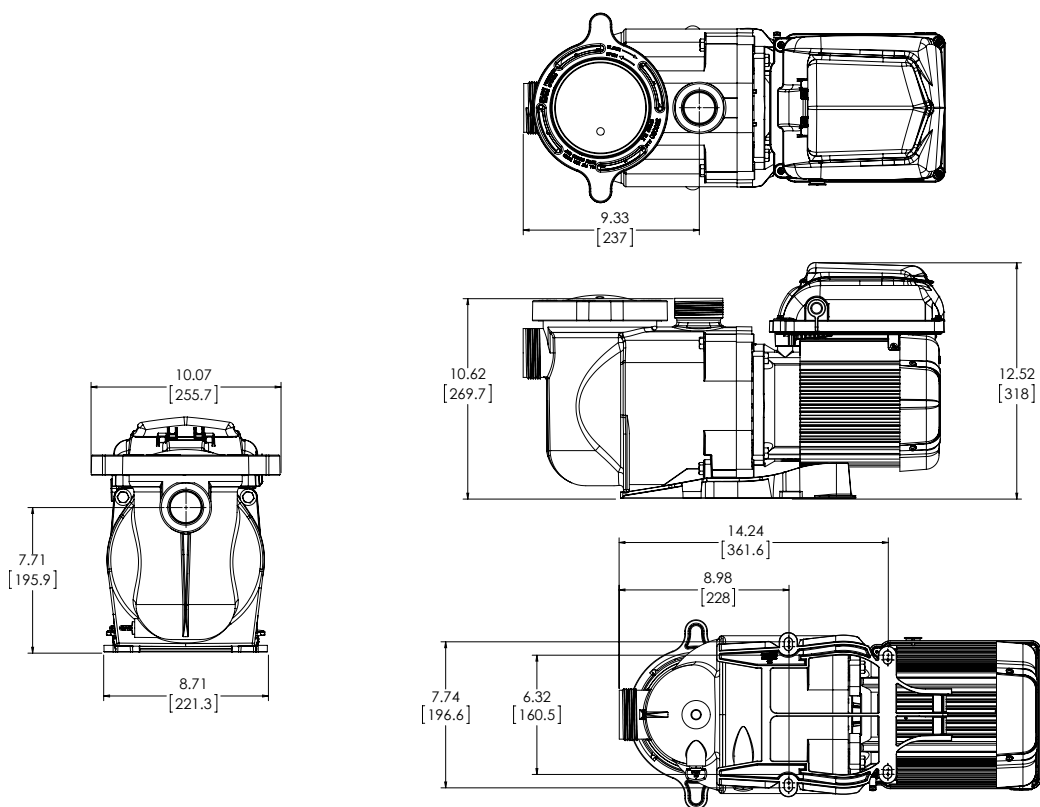
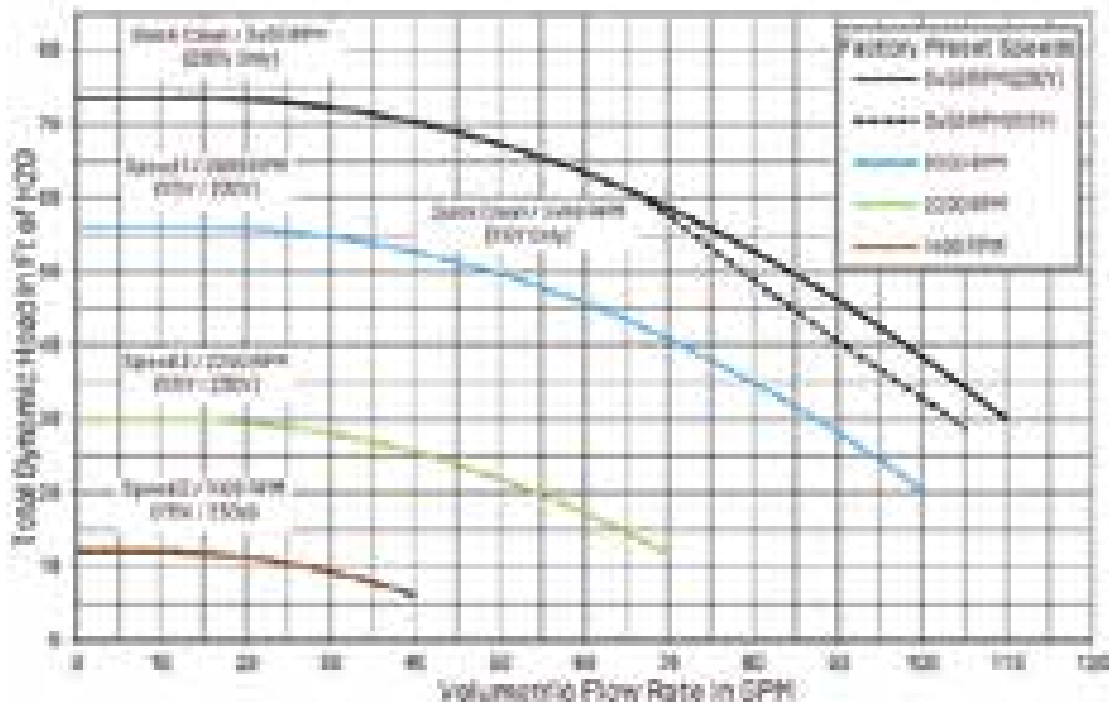
³ Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

* Hayward® and Super Pump® are registered trademarks of Hayward Industries, Inc.

SUPERFLO® VST

VARIABLE SPEED PUMP (CONT'D)

Dimensions and Performance



SUPERFLO®

HIGH PERFORMANCE PUMPS

TRADEGRADE



SuperFlo Pump

Featured Highlights

- SuperFlo pump by Pentair Aquatic Systems is a direct replacement for the Hayward® Super Pump® *
- Extremely quiet operation
- Unionized fittings included (1-1/2 in. internal slip and 2 in. external slip)
- Cam and Ramp™ Lid
- Heavy-duty, high service factor 56 square flange motor
- Integral volute and pot reduce hydraulic noise

SuperFlo pumps feature thick walled body parts, a heavy-duty 56 square flange motor, and highly engineered hydraulics, SuperFlo pumps' silent running capability and small footprint allow it to easily drop into a compact equipment pad.

Ordering Information

Product	Rated HP	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certifications ³	Curve Key
DOE COMPLIANT SINGLE-SPEED TEFC												
348190	N/A	1.1	3.6	0.63	1.00	115/208-230	60	10.5/5.4-5.4	1.5" x 1.5"	50	UL ¹ , NSF ²	B
ENERGY EFFICIENT SINGLE-SPEED - NOT FOR SALE IN THE USA												
348021-INT	1/2	0.95	N/A	N/A	1.00	115/208-230	60	8.8/4.5-4.4	1.5" x 1.5"	44	UL ¹ , NSF ²	A
348022-INT	3/4	0.95	N/A	N/A	1.00	115/208-230	60	8.8/4.5-4.4	1.5" x 1.5"	44	UL ¹ , NSF ²	A
TEFC SINGLE-SPEED - NOT FOR SALE IN THE USA												
348144-INT	1	1.65	N/A	N/A	1.00	115/208-230	60	15.1/8.5-7.7	1.5" x 1.5"	50	UL ¹ , NSF ²	C
348145-INT	1-1/2	2.21	N/A	N/A	1.00	208-230	60	10.3-9.1	1.5" x 1.5"	53	UL ¹ , NSF ²	D
348146-INT	2	2.60	N/A	N/A	1.00	208-230	60	11.7-10.3	1.5" x 1.5"	58	UL ¹ , NSF ²	E
ENERGY EFFICIENT 50 HZ SINGLE-SPEED - NOT FOR SALE IN THE USA												
340094-INT	1/2	0.55	N/A	N/A	1.10	240/120	50	7.5/15.0	1.5" x 1.5"	45	—	—
340096-INT	1	1.10	N/A	N/A	1.10	240/120	50	6.9/13.8	1.5" x 1.5"	52	—	—
340098-INT	2	2.20	N/A	N/A	1.10	240	50	9.4	1.5" x 1.5"	55	—	—
ACCESSORIES												
351157	Union Kit - 1-1/2 in. Internal Slip x 2 in. External Slip (includes 2 unions as pictured above)											
356197	Chemical/Salt/Ozone Resistant EPDM & SS Seal Quick Kit											

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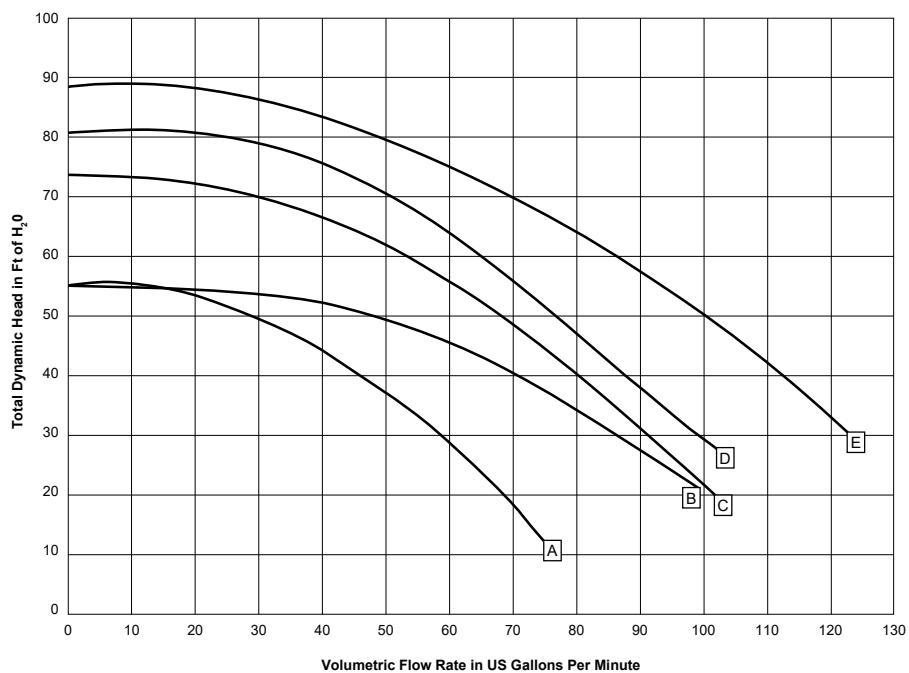
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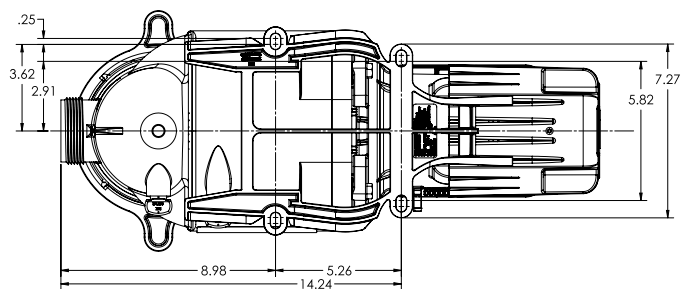
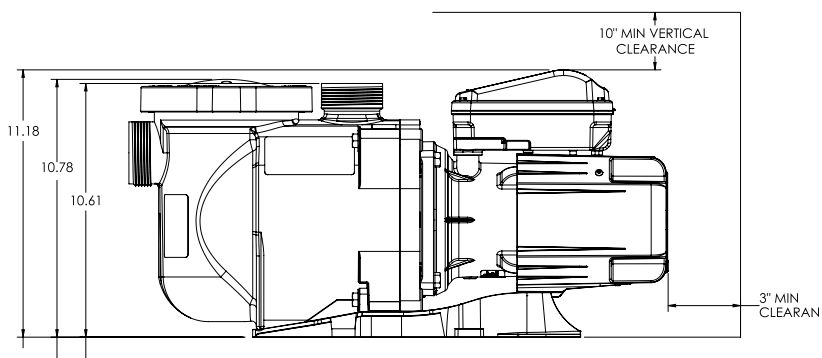
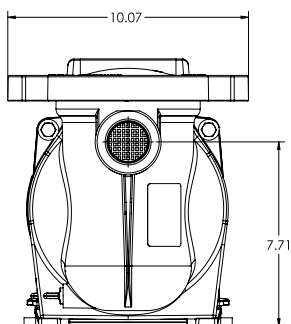
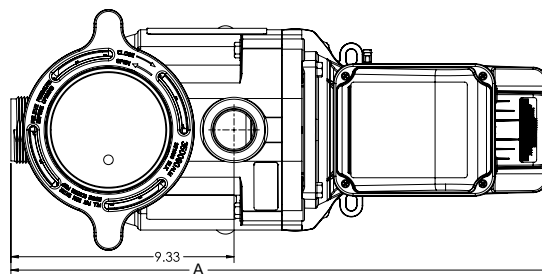
SUPERFLO®

HIGH PERFORMANCE PUMPS

Dimensions and Performance



A- VARYING LENGTH			
HP	EE	TEFC	DOE Compliant
0.5	24.64	—	—
0.75	24.64	—	—
1	—	22	—
1.1	—	—	22.55
1.5	—	22.45	—
2	—	22.9	—



INTELLIPRO3™

VARIABLE SPEED AND FLOW POOL PUMP



TRADEGRADE



IntelliPro3 Variable Speed And
Flow Pool Pump

Featured Highlights

- Proprietary flow technology maintains the pool's optimal flow
- Up to 90% energy savings
- New motor, drive and hydraulics
- Optional onboard automation
- Easy setup and remote updates

This pump combines true set-it-and forget-it flow technology paired with touch screen HMI. The proprietary combination of variable speed plus auto-regulated flow means all good things flow from the IntelliPro3—for your customers and for your business. Small pool or big, this pump is a simple, smart, worry-free way to give pool owners the effortless, inviting pool experience they expect.

Ordering Information

Part #	Description	THP	WEF	Maximum Input Voltage	Frequency	Full Load AMPs	Port Size (NPT)	Weight	Certification ³
INTELLIPRO3 VARIABLE SPEED AND FLOW POOL PUMP WITH TOUCH SCREEN HMI									
013077	IntelliPro3 VSF 3.0 HP with touchscreen	3	7.1	208V-230V	50 Hz or 60 Hz	12.4-11.2	2" x 2" or 2.5" x 2.5" or (optional) 3" x 3"	55 lbs	UL ¹ , NSF ²
013078	IntelliPro3 VSF 3.0 HP with touchscreen and relay board	3	7.1	208V-230V	50 Hz or 60 Hz	12.4-11.2	2" x 2" or 2.5" x 2.5" or (optional) 3" x 3"	55 lbs	UL ¹ , NSF ²
INTELLIPRO3 VARIABLE SPEED AND FLOW POOL PUMP WITH TOUCH SCREEN HMI									
013067	IntelliPro3 VSF 1.5 HP with touchscreen	1.5	9.4	115/208-230V	50 Hz or 60 Hz	12/6.4-5.9	1.5" x 1.5" or 2" x 2"	48 lbs	UL ¹ , NSF ²
013068	IntelliPro3 VSF 1.5 HP with touchscreen and relay board	1.5	9.4	115/208-230V	50 Hz or 60 Hz	12/6.4-5.9	1.5" x 1.5" or 2" x 2"	48 lbs	UL ¹ , NSF ²

¹ 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

² 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools Spas and Hot Tubs.

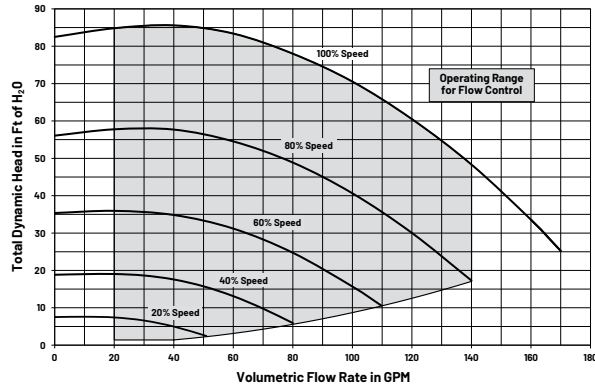
³ Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

INTELLIPRO3™

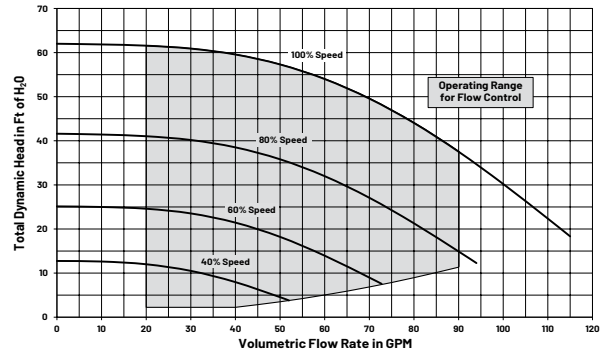
VARIABLE SPEED AND FLOW POOL PUMP

Dimensions and Performance

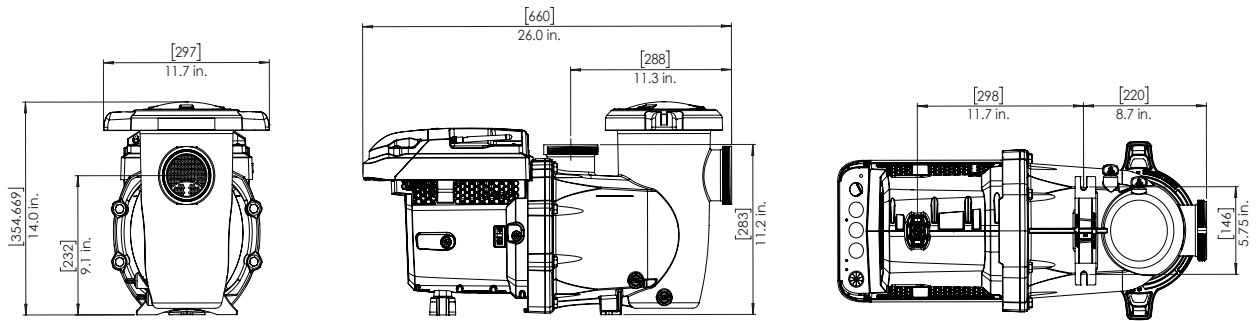
Pump Performance Curves (3 HP Models)



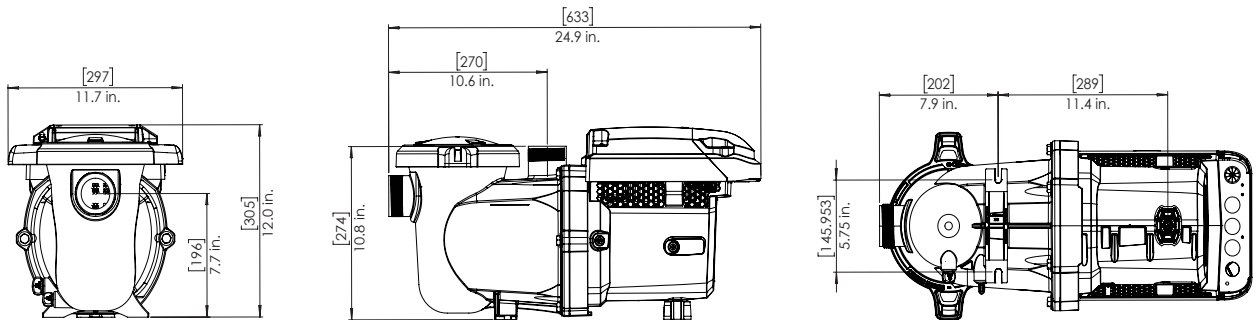
Pump Performance Curves (1.5 HP Models)



Pump Dimensions (3 HP Models)



Pump Dimensions (1.5 HP Models)



INTELLIPRO® VS+SVRS

HIGH PERFORMANCE PUMPS



IntelliPro VS+SVRS
Variable Speed Pump

Patent Information: www.pentair.com/patents

IntelliPro pumps combine variable speed technology, onboard digital intelligence and permanent magnet motors (used in hybrid cars) to reduce pump-related energy costs by up to 90%. The IntelliPro VS+SVRS pump models were the first swimming pool pumps to feature a built-in Safety Vacuum Release System that detects drain blockage and automatically shuts the pump off.

Featured Highlights

- Ability to program exact pump speeds for specific operations – filtering, heating, cleaning, spa jets, water features and more
- SVRS complies with Virginia Graeme Baker Safety Act
- Built-in diagnostics helps protect the IntelliPro pump from the most common causes of premature failure – overheating, freezing, and voltage irregularities.
- Includes priming protection. No SVRS calibrations needed. Built-in SVRS cannot be turned off.
- Safety lock-out feature (password protected) prevents pump speed settings from being changed by unauthorized personnel
- Ability to set minimum and maximum speeds so pump will only operate within the ranges set to help assure suitable operation for a longer life
- Compatible with Pentair Automation Systems
- Compliant with the current ASME A112.19.17 standard for Safety Vacuum Release Systems (SVRS)

Ordering Information

Product	Description	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certifications ³
INTELLIPRO VS+ SVRS VARIABLE SPEED WITH SAFETY VACUUM RELEASE SYSTEM											
013002	IntelliPro VS+SVRS	3.95	6.9	1.88	1.0	230	50/60	16.0	2" x 2"	53	UL ¹ , NSF ²
ACCESSORIES											
521109	IntelliCom 2 - Rated 9 - 30 V DC with 4 inputs										1
350122	Communication Cable - 50 ft. - Included with pump										2
350250Z	SVRS KIT - Allows use of discharge check valves with SVRS pump										1
356905Z	Optional Keypad Wall Mount Kit										
356196	Chemical/Salt/Ozone Resistant EPDM & SS Seal Quick Kit										1
UNIONS											
11201-0154	2 in. x 2 in. Union (2 in. NPT male x 2 in. female NPT quick connect)								* Note: two required per pump (sold individually)		2

¹ 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

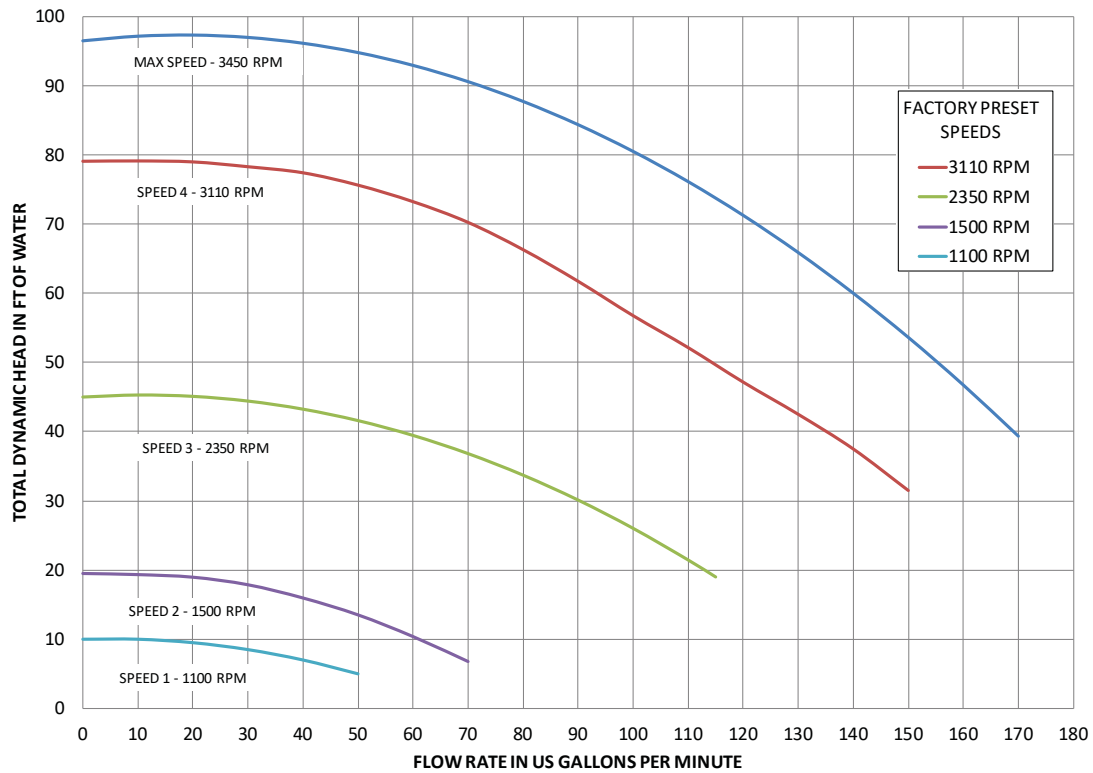
² 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools Only.

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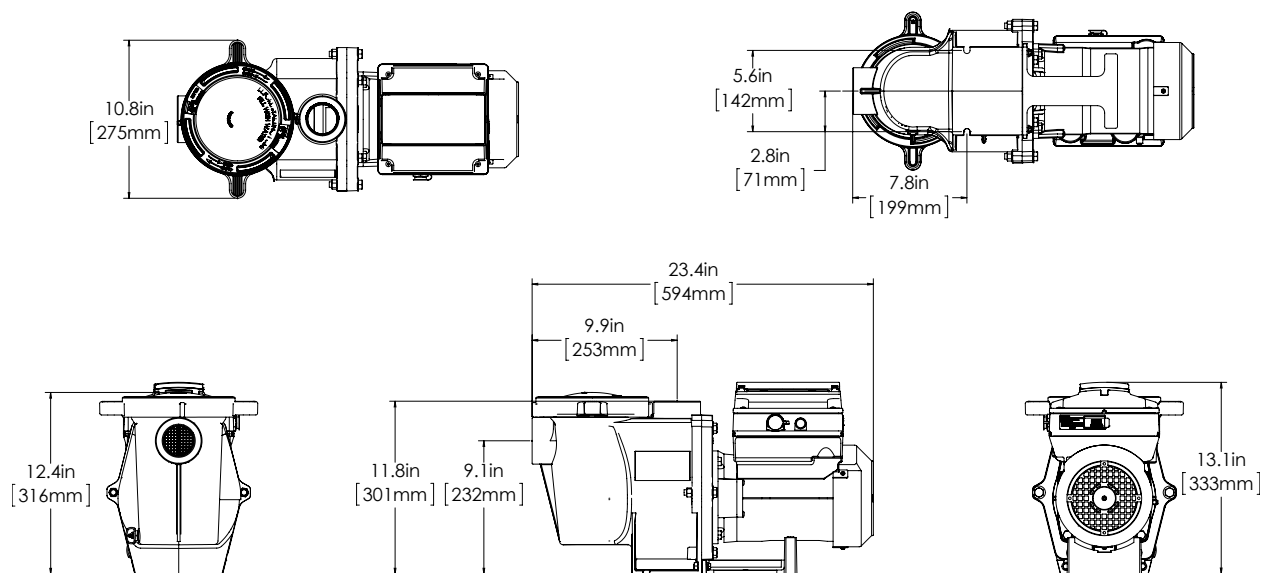
INTELLIPRO® VS+SVRS

HIGH PERFORMANCE PUMPS

Dimensions and Performance



*** IntelliPro VS+SVRS minimum speed is 1100 RPM**



MAX-E-PROXF[®]

HIGH PERFORMANCE PUMPS



TRADEGRADE



Max-E-ProXF Pump
shown with TEFC Motor

Developed using the most advanced engineering tools available - CFD (Computational Fluid Dynamics) and FEA (Finite Element Analysis). The impeller design delivers high level of precision concentricity for increased efficiency.

Featured Highlights

- Drop-in replacement for all Max-E-Pro[®] Pump models. Simple replacement for Challenger[®] Pumps *
- Hydraulic isolator separates priming water from pumping water for faster priming, more turbulent-free flow and increased efficiency
- Union connectors included for connecting directly to 2.5 in. or 3 in. plumbing
- Extra large, robust basket with smooth surface for easy debris removal
- Easy-carry handle; easily removable ergonomic lock ring; and see-through lid for easy basket inspection
- Three Phase XF pumps are compatible with Pentair's Acu Drive XS VFD's
- Optional riser base for Challenger pump replacements, part #400012 available separately

Ordering Information

Product	Rated HP	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certifications ³	Curve Key
COMMERCIAL SINGLE-SPEED TEFC												
023034	5	5	N/A	N/A	1.00	208-230	60	20.0-18.8	2.5" x 2.5" or 3" x 3"	67	UL ¹ , NSF ²	A
TEFC SINGLE-SPEED - NOT FOR SALE IN THE USA												
023032-INT	2	2.60	N/A	N/A	1.30	208-230	60	11.1-9.5	2.5" x 2.5" or 3" x 3"	57	UL ¹ , NSF ²	D
023033-INT	3	3.45	N/A	N/A	1.15	208-230	60	14.6-12.7	2.5" x 2.5" or 3" x 3"	61	UL ¹ , NSF ²	B
THREE-PHASE SUPER-DUTY												
023017	2	2.6	N/A	N/A	1.30	208-230/460	60	7.5-7.2/3.6	2.5" x 2.5" or 3" x 3"	60	UL ¹ , NSF ²	I
023018	3	3.25	N/A	N/A	1.15	208-230/460	60	9.8-9.4/4.7	2.5" x 2.5" or 3" x 3"	60	UL ¹ , NSF ²	H
023019	5	5.00	N/A	N/A	1.00	208-230/460	60	13.9-13.1/6.6	2.5" x 2.5" or 3" x 3"	72	UL ¹ , NSF ²	G
ACCESSORIES												
400012	XF Riser Base - Simplifies installation of XF-series pumps in applications where Challenger pumps are being replaced.											

¹ 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

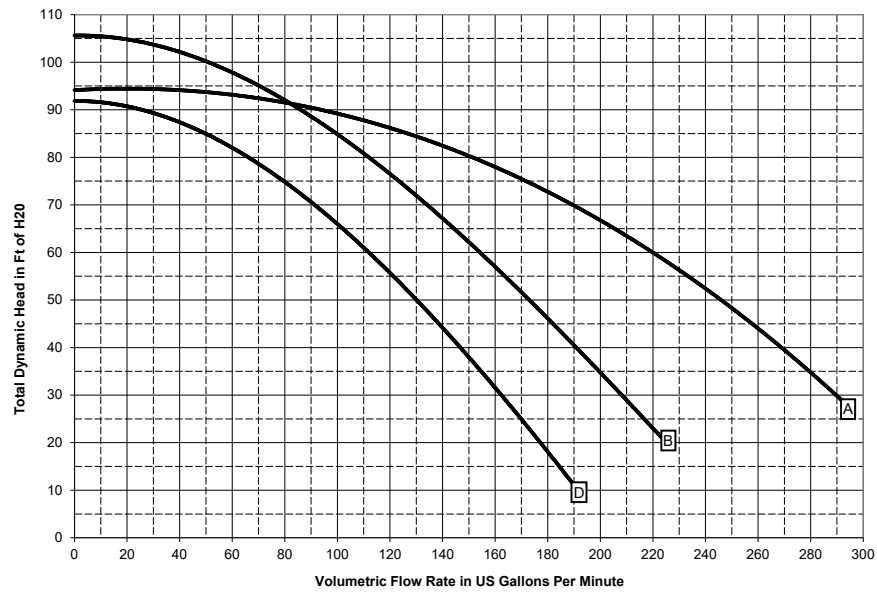
² 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools, Spas and Hot Tubs.

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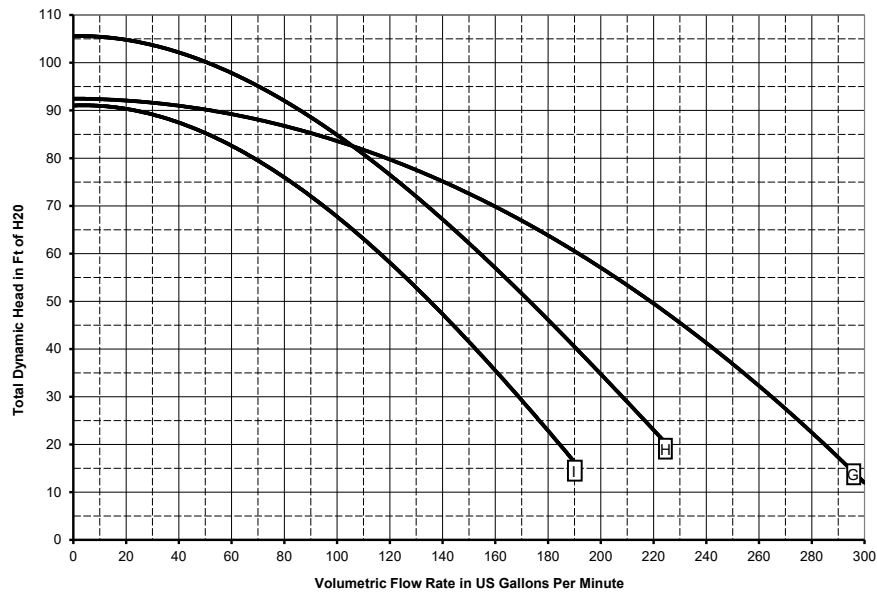
MAX-E-PROXF[®]

HIGH PERFORMANCE PUMPS

1 & 2-Speed
Performance
Curve

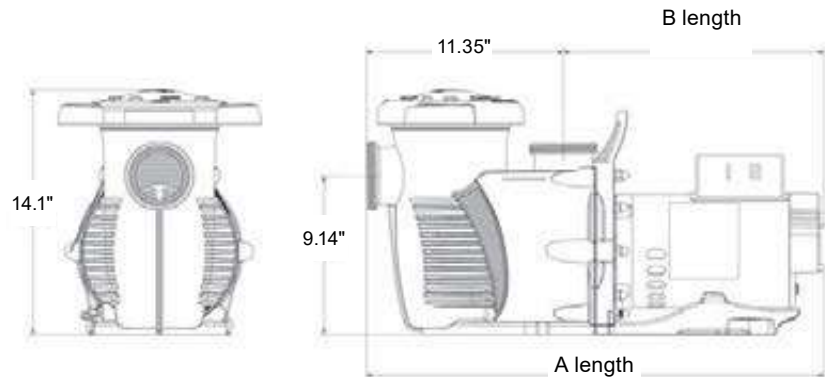


3 Phase
Performance
Curve



B-VARYING LENGTH		
HP	TEFC	3-PH
2	13.05	12.35
3	13.65	13.05

A-VARYING LENGTH		
HP	TEFC	3-PH
2	24.4	23.7
3	25	24.4



MAX-E-PRO®

HIGH-EFFICIENCY POOL/SPA PUMPS



TRADEGRADE



Max-E-Pro Pump shown
with TEFC Motor

Featured Highlights

- Typical Installation – Inground pools, pool/spa combinations, inground spas, fountains and water features
- Easy-to-Install – 2 in. ports include external and internal threads for more plumbing options
- Efficient Hydraulic Design – Moves larger volumes of water, resulting in lower operating costs
- Impeller Manufactured with PPO Resin – Withstands the toughest water environments
- EDPM Rubber Shaft Seal – Longer-lasting seal stands up to the harshest environments
- Self-lubricating Lid O-ring – Does not require lubricant

P6 & 5P6R SERIES – High efficiency, low maintenance and maximum performance—all the features demanded by today's pool professionals. The Max-E-Pro pump has our new Quick-Lock™ Trap Cover Ring and the 2 in. ports incorporate internal and external threads. Available in single- and two-speed models, with ratings from 1/2 to 3 HP. Built with quality construction using a durable one-piece pump housing constructed of industry leading glass-reinforced composite resin. Fast cleaning with a new Quick-Lock trap cover ring permits fast access to strainer basket. Large see-through lid makes it simple to check for debris. A strong, sturdy, specially-designed base dampens sound and vibration, making the Max-E-Pro pump one of the quietest pumps in its class

Ordering Information

Product	Rated HP	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certifications ³	Curve Key
DOE COMPLIANT SINGLE-SPEED TEFC												
348185	N/A	1.1	3.5	0.65	1.00	115/208-230	60	10.5/5.4-5.4	2" x 2"	50	UL ¹ , NSF ²	B
ENERGY EFFICIENT SINGLE-SPEED - NOT FOR SALE IN THE USA												
P6E6C-204L-INT	1/2	0.95	N/A	N/A	1.00	115/208-230	60	11/5.5	2" x 2"	44	UL ¹ , NSF ²	A
P6E6D-205L-INT	3/4	1.25	N/A	N/A	1.00	115/208-230	60	13.8/6.9	2" x 2"	44	UL ¹ , NSF ²	C
TEFC SINGLE-SPEED - NOT FOR SALE IN THE USA												
348150-INT	1	1.65	N/A	N/A	1.00	115/208-230	60	15.1/8.5-7.7	2" x 2"	50	UL ¹ , NSF ²	D
348151-INT	1-1/2	2.21	N/A	N/A	1.00	208-230	60	10.3-9.1	2" x 2"	53	UL ¹ , NSF ²	E
348152-INT	2	2.60	N/A	N/A	1.00	208-230	60	11.7-10.3	2" x 2"	58	UL ¹ , NSF ²	F
348153-INT	3	3.45	N/A	N/A	1.00	208-230	60	14.6-12.7	2" x 2"	62	UL ¹ , NSF ²	G
ENERGY EFFICIENT 50 HZ SINGLE-SPEED - NOT FOR SALE IN THE USA												
5P6R6E-210-INT	3/4	0.83	N/A	N/A	1.10	240/120	50	15.4/7.7	2" x 2"	45	—	J
5P6R6G-212-INT	1-1/2	1.65	N/A	N/A	1.10	240	50	10.5	2" x 2"	52	—	L
5P6R6H-213-INT	2	2.20	N/A	N/A	1.10	240	50	13.9	2" x 2"	55	—	M

MAX-E-PRO®

HIGH-EFFICIENCY POOL/SPA PUMPS (CONT'D)

Ordering Information

Product	Rated HP	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certifications ³	Curve Key
THREE-PHASE SUPER-DUTY												
345076	1	1.65	*	*	1.65	208-230/460	60	4.9-4.5/2.3	2" x 2"	41	UL ¹ , NSF ²	D
345077	1-1/2	2.21	*	*	1.47	208-230/460	60	6.4-6.3/3.2	2" x 2"	43	UL ¹ , NSF ²	E
345078	2	2.60	*	*	1.30	208-230/460	60	7.5-7.2/3.6	2" x 2"	47	UL ¹ , NSF ²	F
345079	3	3.45	*	*	1.15	208-230/460	60	9.8-9.4/4.7	2" x 2"	52	UL ¹ , NSF ²	G
THREE-PHASE SINGLE-SPEED - HIGH VOLTAGE APPLICATIONS												
P6EA6F36-206	1-1/2	1.65	*	*	1.10	575	60	1.9	2" x 2"	41	NSF ²	E
P6EA6G36-207	2	2	*	*	1.00	575	60	3.2	2" x 2"	45	NSF ²	F
ACCESSORIES												
77703-0100	2 in. Union Half x 1-1/2 in. FPT – Package Of Two											
77703-0101	2 in. Union Half x 1-1/2 in. Slip – Package Of Two											
PKG 188Z	2 in. Union Half x 2 in. Slip – Package Of Two											
PKG 189	2 in. Union Half x 2 in. FPT – Package Of Two											
356196	Chemical/Salt/Ozone Resistant EPDM & SS Seal Quick Kit											

¹ 'UL' indicates that pump bears a specific UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools And Spas. (Enclosure 3).

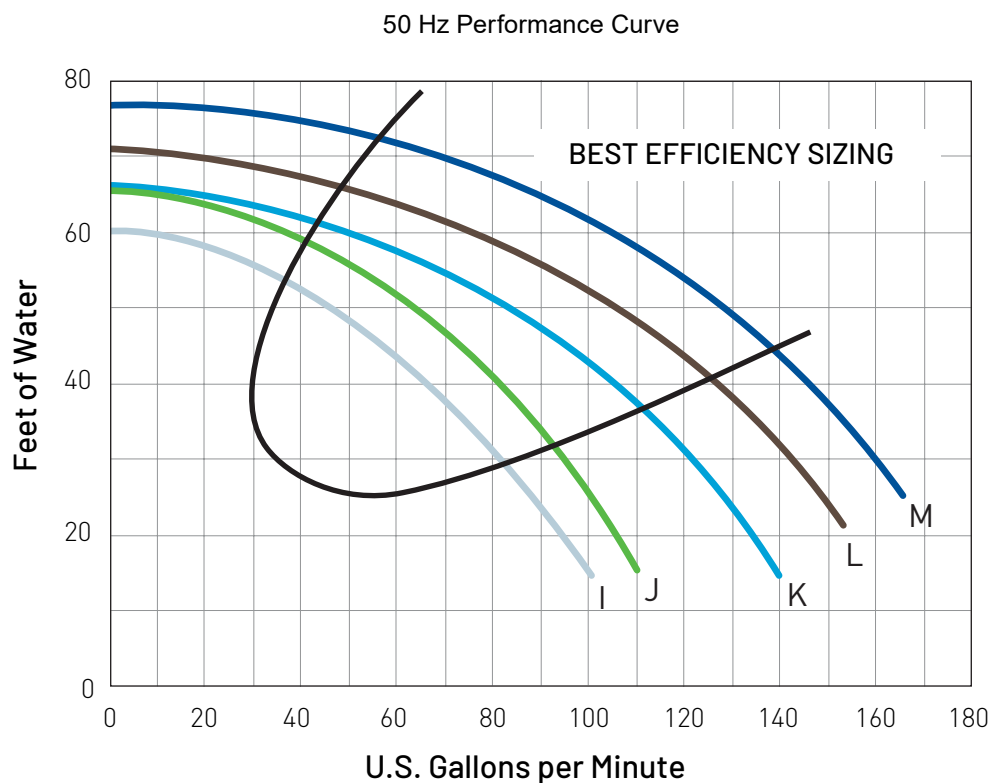
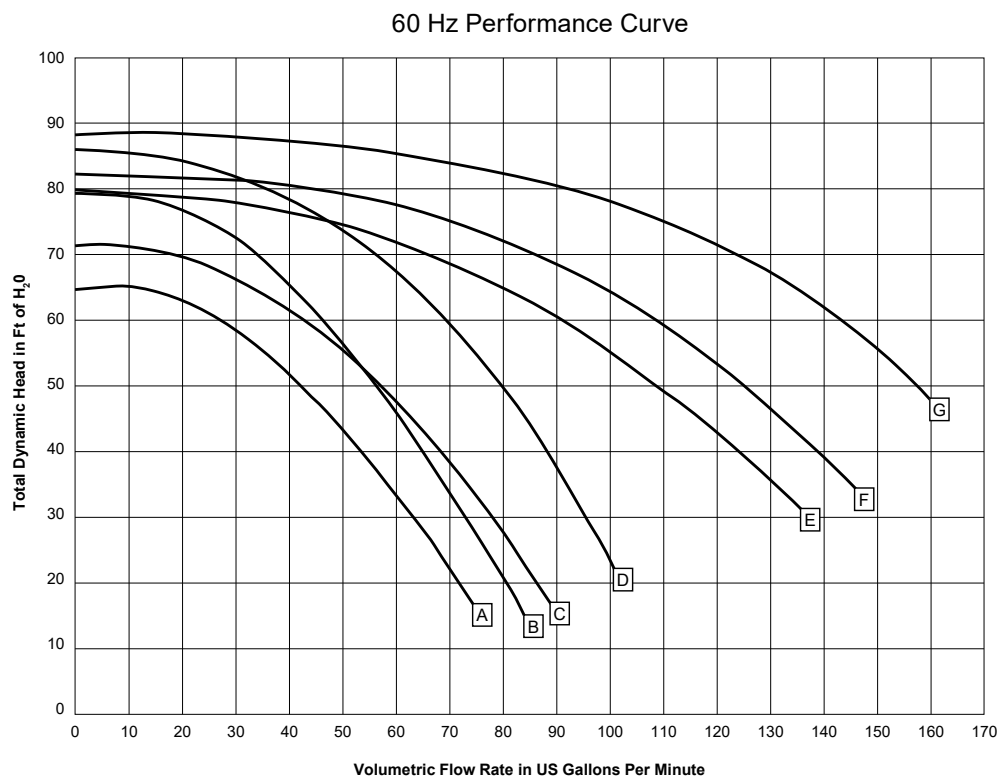
² 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools, Spas and Hot Tubs.

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* WEF and HHP values will be updated at a date TBD. For product specific requests contact Pentair.

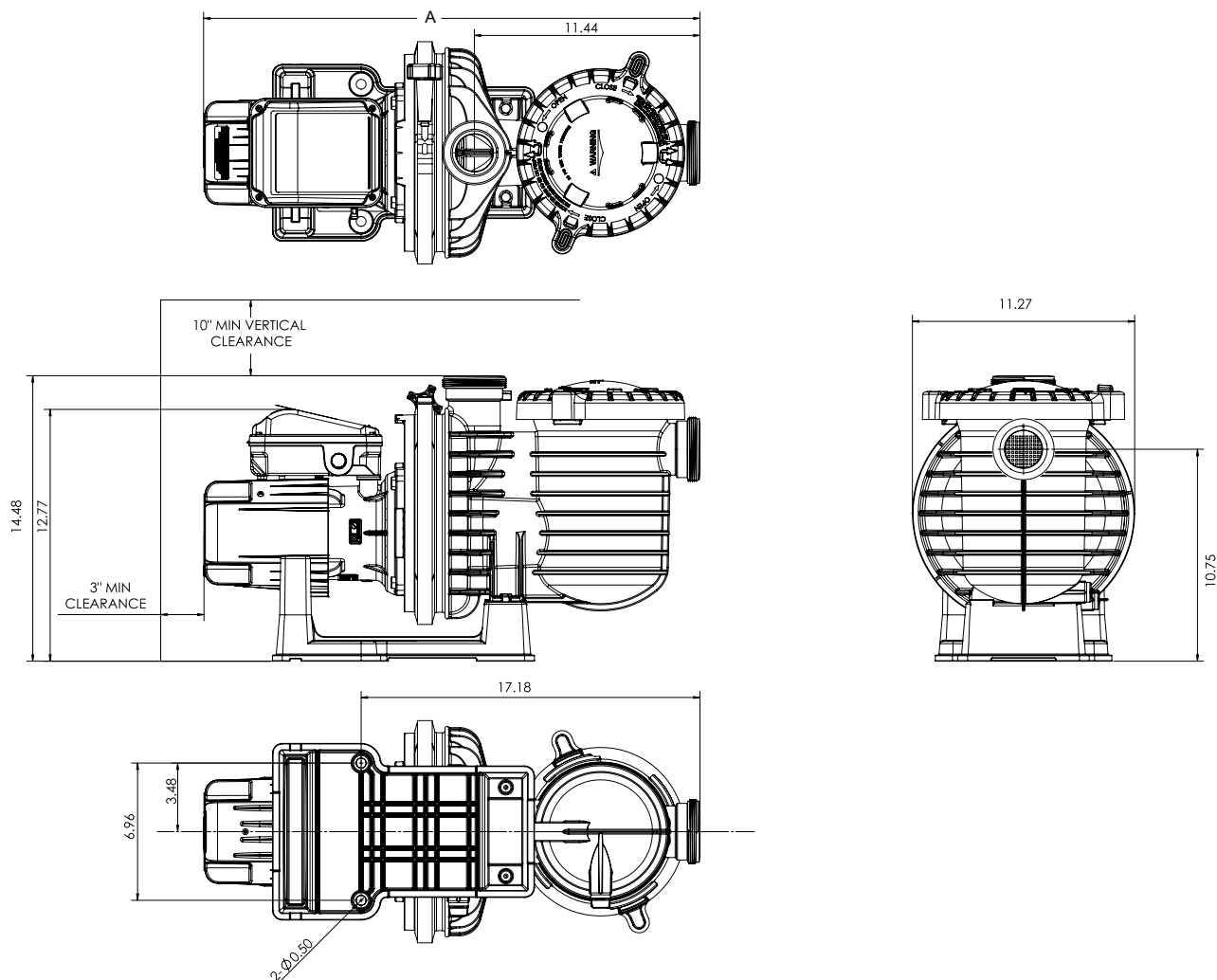
MAX-E-PRO® HIGH-EFFICIENCY POOL/SPA PUMPS (CONT'D)

Dimensions and Performance



MAX-E-PRO®

HIGH-EFFICIENCY POOL/SPA PUMPS (CONT'D)



A- VARYING LENGTH					
HP	STD EFF	EE	1PH TEFC	3PH	DOE COMPLIANT
0.5	26.92	—	—	—	—
0.75	26.92	—	—	—	—
1	27.29	28.45	25.03	24.76	—
1.1	—	—	—	—	25.18
1.5	28.92	28.45	25.48	24.76	—
2	28.92	29.08	25.93	25.17	—
3	28.92	29.08	26.53	25.87	—

SUPERMAX® VS

VARIABLE SPEED PUMPS



TRADEGRADE



SuperMax VS
Variable Speed Pump

Featured Highlights

- Variable speed technology provides energy & costs savings.
- Ideal for standard pools requiring up to 1.5 hp pump
- 110/230V and 50/60 Hz capability
- Real-time clock with 24-hour memory retention
- Simple, intuitive user interface is easy to program and operate
- Easy to access electrical connections for simple installation
- Three operating speed settings plus override capability
- SuperMax pump by Pentair Aquatic Systems is a direct replacement for the Hayward® Super Pump® *

For pool owners who want to step-up to the energy and cost savings of variable speed technology, the SuperMax VS pump is a wise choice. SuperMax VS pump is engineered for easy installation, simple operation, and trouble-free service.

Ordering Information

Product	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certifications ³
SUPERMAX VS VARIABLE SPEED										
343001	2.2	9.0	1.08	1.0	115/208-230	50/60	13.6/8.0-7.1	1.5" x 1.5"	53	UL ¹ , NSF ²
ACCESSORIES										
356324Z	External Control Wiring Kit									
356197	Chemical/Salt/Ozone Resistant EPDM & SS Seal Quick Kit (for pumps Mfg. before June 2019)								1	

¹ 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3). UL 60730 Compliant.

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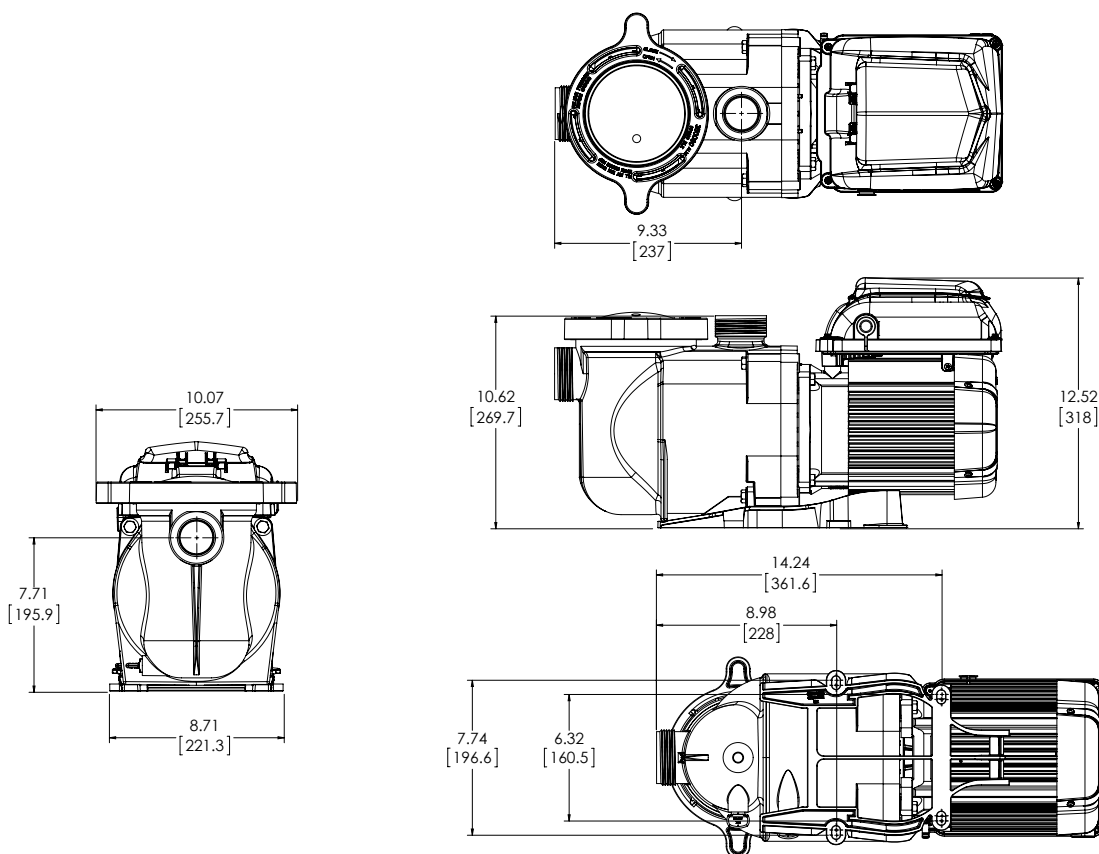
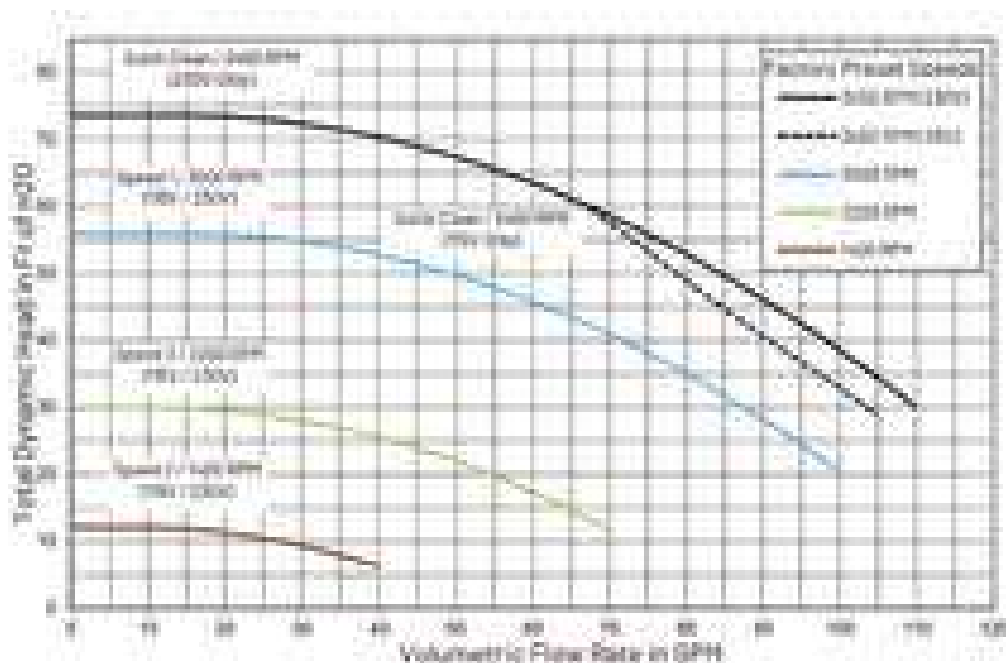
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* Hayward® and Super Pump® are registered trademarks of Hayward Industries, Inc.

SUPERMAX® VS

VARIABLE SPEED PUMPS (CONT'D)

Dimensions and Performance



SUPERMAX®

HIGH PERFORMANCE PUMPS



TRADEGRADE



SuperMax Pump
shown with TEFC Motor

Featured Highlights

- SuperMax pump by Sta-Rite is a direct replacement for the Hayward® * Super Pump® *
- Single and two-speed models ranging from 1/2 to 2-1/2 HP
- Cam and Ramp™ Lid locks and unlocks with a simple quarter turn
- Exterior thermoplastic resin withstands temperature extremes and delivers long life
- Unionized fittings included (1-1/2 in. internal slip and 2 in. external slip)

The SuperMax pump features a commercial grade, 56 square flange motor for top performance in residential swimming pools. SuperMax pump is a superior drop-in replacement for Super Pump. Consumers enjoy its economical performance. Pool professionals benefit from its ease of installation and reliability.

Ordering Information

Product	Rated HP	THP	WEF	HHP	Service Factor	Voltage	Frequency	Current	Port Size	Weight	Certifications ³	Curve Key
DOE COMPLIANT SINGLE-SPEED TEFC												
348191	N/A	1.1	3.6	0.63	1.00	115/208-230	60	10.5/5.4-5.4	1.5" x 1.5"	50	UL ¹ , NSF ²	B
ENERGY EFFICIENT SINGLE-SPEED - NOT FOR SALE IN THE USA												
PHK2E6C-100L-INT	1/2	0.95	N/A	N/A	1.00	115/208-230	60	8.8/4.5-4.4	1.5" x 1.5"	44	UL ¹ , NSF ²	A
PHK2E6D-101L-INT	3/4	0.95	N/A	N/A	1.00	115/208-230	60	8.8/4.5-4.4	1.5" x 1.5"	44	UL ¹ , NSF ²	A
TEFC SINGLE-SPEED - NOT FOR SALE IN THE USA												
348147-INT	1	1.65	N/A	N/A	1.00	115/208-230	60	15.1/8.5-7.7	1.5" x 1.5"	50	UL ¹ , NSF ²	C
348148-INT	1-1/2	2.21	N/A	N/A	1.00	208-230	60	10.3-9.1	1.5" x 1.5"	53	UL ¹ , NSF ²	D
348149-INT	2	2.60	N/A	N/A	1.00	208-230	60	11.7-10.3	1.5" x 1.5"	58	UL ¹ , NSF ²	E
ENERGY EFFICIENT 50 HZ SINGLE-SPEED - NOT FOR SALE IN THE USA												
5PHK2E6C-100-INT	1/2	0.55	N/A	N/A	1.10	240/120	50	7.5/15.0	1.5" x 1.5"	45	—	—
5PHK2E6D-101-INT	3/4	0.83	N/A	N/A	1.10	240/120	50	7.5/15.0	1.5" x 1.5"	45	—	—
5PHK2E6E-102-INT	1	1.10	N/A	N/A	1.10	240/120	50	6.9/13.8	1.5" x 1.5"	52	—	—
5PHK2E6F-103-INT	1-1/2	1.65	N/A	N/A	1.10	240	50	7.2	1.5" x 1.5"	52	—	—
5PHK2E6G-104-INT	2	2.20	N/A	N/A	1.10	240	50	9.4	1.5" x 1.5"	55	—	—
ACCESSORIES												
351157	Union Kit - 1-1/2 in. Internal Slip x 2 in. External Slip - includes 2									1		
356197	Chemical/Salt/Ozone Resistant EPDM & SS Seal Quick Kit									1		

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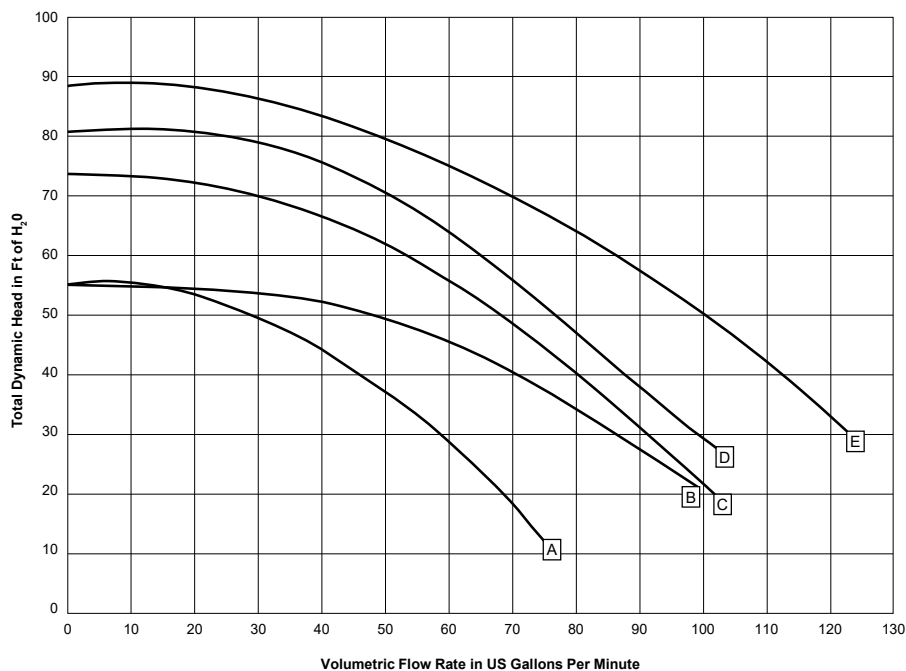
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* Hayward® and Super Pump® are registered trademarks of Hayward Industries, Inc.

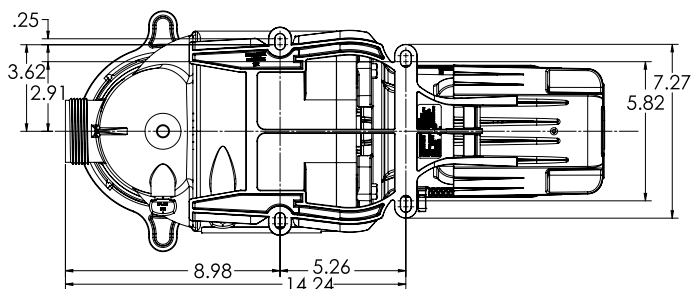
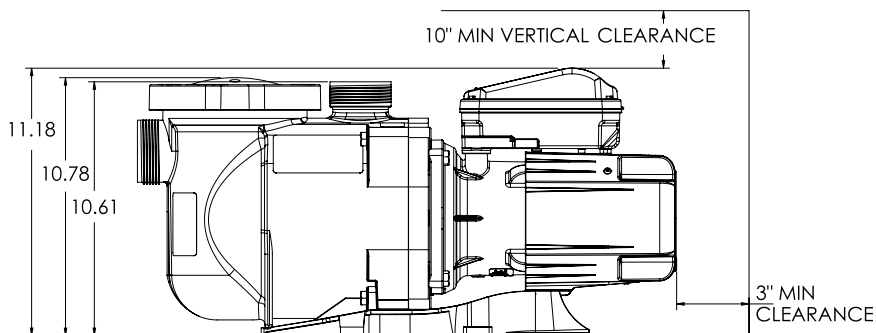
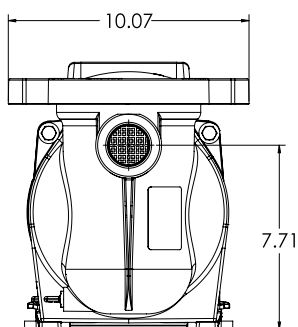
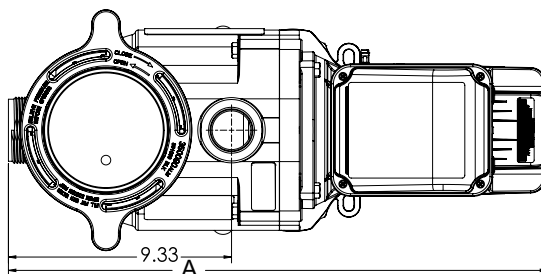
SUPERMAX®

HIGH PERFORMANCE PUMPS (CONT'D)

Dimensions and Performance



A- VARYING LENGTH			
HP	EE	TEFC	DOE Compliant
0.5	24.64	—	—
0.75	24.64	—	—
1	—	22	—
1.1	—	—	22.55
1.5	—	22.45	—
2	—	22.9	—



OPTIFLO® PUMP FOR ABOVEGROUND POOLS



OptiFlo Pump

Featured Highlights

- Large strainer basket
- Cam and Ramp™ Lid lock
- See-through lid
- Unionized discharge port connection
- Easy to service
- User-friendly removable drain plugs
- Metal base on motor
- Available with 3 ft. cord, with twist lock or standard plug

OptiFlo pumps feature a revolutionary design that delivers dependable high flow performance. The OptiFlo pump features a 48 frame-thru bolt motor, easy access to change the discharge port position, service the impeller, and an innovative Cam and Ramp lid.

Ordering Information

Product	Discharge	Voltage	Full load amps	HP	Cord	Pipe	Weight
DOE COMPLIANT SINGLE-SPEED TEFC - CORD W/ STANDARD PLUG							
348196	Vertical	115	11.0	1	3' STD	1.5"	28.5
348200	Horizontal	115	11.0	1	3' STD	1.5"	28.5
DOE COMPLIANT SINGLE-SPEED TEFC - CORD W/ TWIST LOCK PLUG							
348195	Vertical	115	11.0	1	3' TWL	1.5"	28.5
348199	Horizontal	115	11.0	1	3' TWL	1.5"	28.5
DOE COMPLIANT SINGLE-SPEED TEFC - NO CORD							
348198	Vertical	115	11.0	1	None	1.5"	28.5
348202	Horizontal	115	11.0	1	None	1.5"	28.5
CSA SINGLE-SPEED TEFC - CORD W/ STANDARD PLUG - NOT FOR SALE IN THE USA							
348197	Vertical	115	11.0	1	25' STD	1.5"	28.5
348201	Horizontal	115	11.0	1	25' STD	1.5"	28.5
SINGLE-SPEED 230V - NO CORD - NOT FOR SALE IN THE USA							
340088-INT	Vertical	230	4.6	3/4	None	1.5"	23.5
340089-INT	Vertical	230	6.0	1	None	1.5"	23.0
340090-INT	Vertical	230	8.0	1.5	None	1.5"	28.9
SINGLE-SPEED 50HZ - NO CORD - NOT FOR SALE IN THE USA							
340057-INT	Vertical	230	6.2	1	None	1.5"	23.0

Note: TWL = Twist Lock Cord, STD = Standard Cord

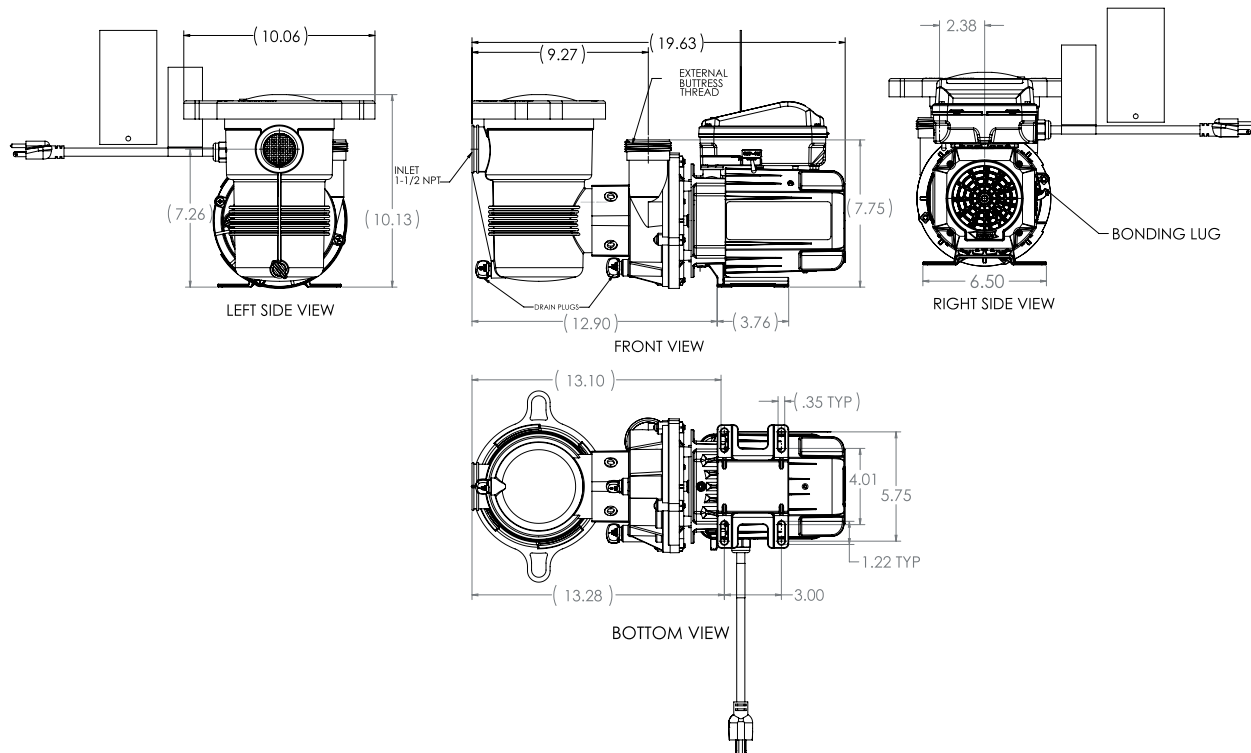
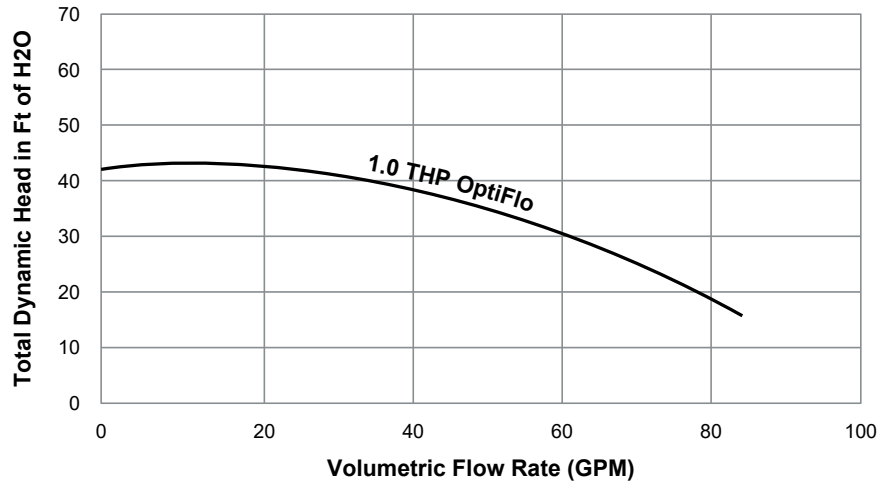
OPTIFLO® PUMP

FOR ABOVEGROUND POOLS(CONT'D)

Dimensions and Performance



OptiFlo Pool Pump Performance Curves



STA-RITE® OPTIFLO® PUMP

FOR ABOVEGROUND POOLS



Sta-Rite OptiFlo Pool Pump

Featured Highlights

- User-friendly removable drain plugs
- Cam and Ramp™ Lid lock
- Typical Installation – Ideal for aboveground pools
- Years of Service – Stands tough against temperature and weather extremes
- External Threads – Discharge port features external threads for quick-connect unions
- Available with 3 ft. cord, with twist lock or standard plug

Sta-Rite OptiFlo Pump high-flow performance supports a quieter operation. Constructed of Sta-Rite's rugged thermoplastic resin. Large 5-1/2 in. capacity trap and an all-weather, smooth-running motor.

Ordering Information

Product	Discharge	Voltage	Full load amps	HP	Cord	Pipe	Weight
DOE COMPLIANT SINGLE-SPEED TEFC - CORD W/ STANDARD PLUG							
348196SR	Vertical	115	11.0	1	3' STD	1.5"	28.5
348200SR	Horizontal	115	11.0	1	3' STD	1.5"	28.5
DOE COMPLIANT SINGLE-SPEED TEFC - CORD W/ TWIST LOCK PLUG							
348195SR	Vertical	115	11.0	1	3' TWL	1.5"	28.5
348199SR	Horizontal	115	11.0	1	3' TWL	1.5"	28.5
DOE COMPLIANT SINGLE-SPEED TEFC - NO CORD							
348198SR	Vertical	115	11.0	1	None	1.5"	28.5
348202SR	Horizontal	115	11.0	1	None	1.5"	28.5
CSA SINGLE-SPEED TEFC - CORD W/ STANDARD PLUG - NOT FOR SALE IN THE USA							
348197SR-INT	Vertical	115	11.0	1	25' STD	1.5"	28.5
348201SR-INT	Horizontal	115	11.0	1	25' STD	1.5"	28.5
SINGLE-SPEED 50HZ - NO CORD - NOT FOR SALE IN THE USA							
340057SR-INT	Vertical	230	6.2	1	None	1.5"	23.0

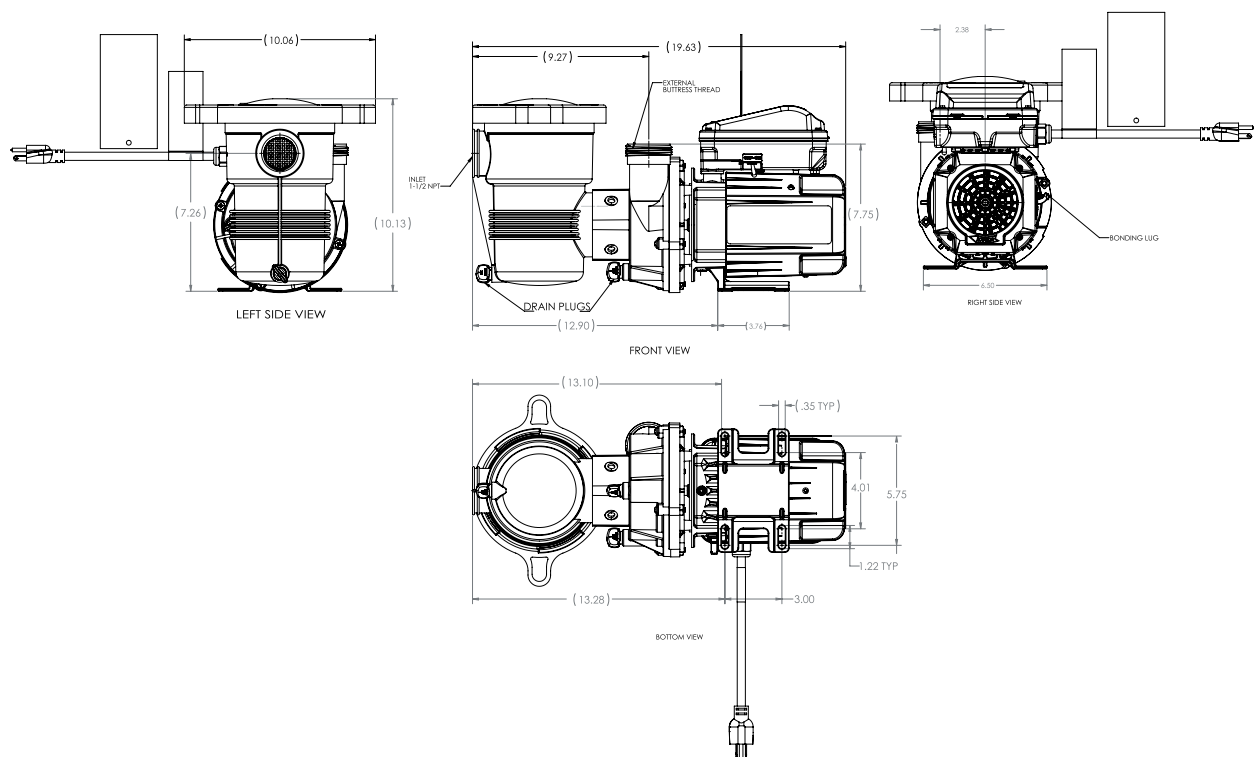
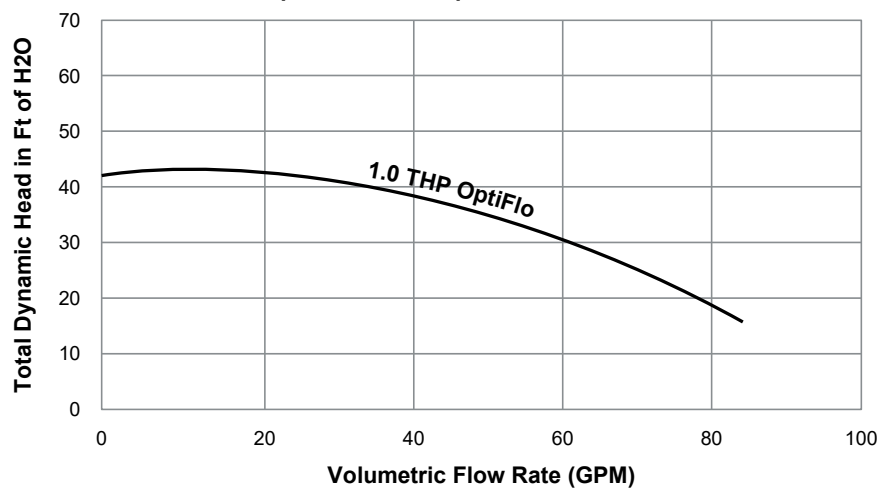
STA-RITE® OPTIFLO® PUMP

FOR ABOVEGROUND POOLS (CONT'D)

Dimensions and Performance



OptiFlo Pool Pump Performance Curves



COMMERCIAL ACU DRIVE™

VARIABLE FREQUENCY DRIVE



Featured Highlights

- Save up to 60% or more on pump's electricity usage*
- "Right-size" your pump to the exact flow required
- Helps save energy with constant flow as the filters get dirty (with optional flow sensor)
- Off-hour flow management capability
- Does not blow corrosive filter-room air across the circuitry
- High efficiency up to 98% – adjusts drive input voltage for best efficiency point
- Eliminates need for motor starters
- Integrated disconnects, fusing and optional bypasses
- 2-step ramps (Soft Start Feature)
- Real-time clock for time based functions
- Great match for 3-phase models of EQ Series® Pumps
- Overload trip protection helps protect motor and Acu Drive XS VF Drive from Voltage Spikes and phase unbalance
- Can connect to an IntelliTouch® Automation System
- 3-year manufacturers warranty, Optional 6-year warranty available
- Optional: Factory Start-up upgrade available
- Indoor & Outdoor-rated enclosures
- One drive type for the full power range
- For use with 3 phase pumps only
- Acu Drive XS VF Drives with single phase input power available

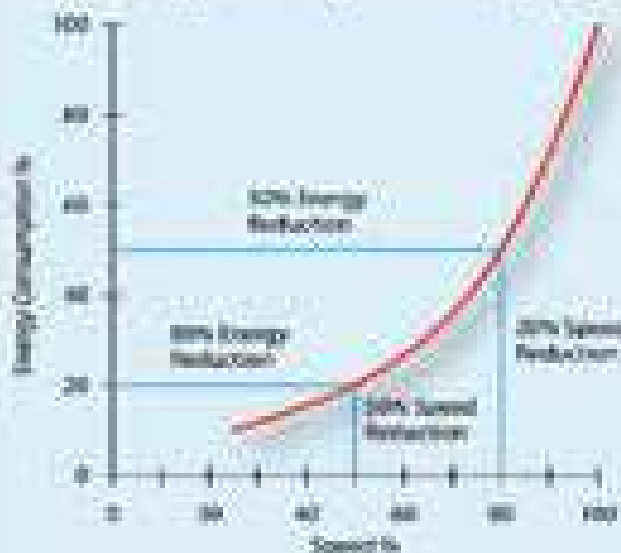
The Acu Drive XS VF Drive offers built-in intelligence for increased performance in all aquatic pump applications. Specified for energy and cost savings, the Acu Drive XS VF Drive offers a fast return on investment. The Acu Drive XS VF Drive allows the pump to run at its most efficient point on the curve. Preventative maintenance costs will drop due to motor protection, motor soft start, and a significant decrease in water hammer protecting the shaft and impeller. Up to an additional 5% savings due to the Acu Drive XS VF Drive's ability to balance power phase and harmonic suppression. Built with powerful standard and optional features specifically designed for energy optimization, the Acu Drive XS VF Drive is perfectly matched with the full line of Pentair Commercial pumps.



Affinity Law

Significant Energy Savings are achieved with even a modest reduction in speed

Ideal Energy Consumption at Varying Speed



*Savings based on single speed pool pumps traditionally configured without VFD's, up to 20% larger than actual required flow and head pressure. Actual savings may vary based on local utility rates, pool size, pump run time, pump horsepower, pump RPM, plumbing size and length, pump model, service factor and other hydraulic factors.

COMMERCIAL ACU DRIVE™

VARIABLE FREQUENCY DRIVE (CONT'D)

Ordering Information

3-PHASE INCLUDES FUSED DISCONNECT, BATTERY BACKUP, & PENTAIR SMART START*						
Horse Power (HP)	NEMA-12 RATED (IP 54/55)			NEMA-4X RATED (IP 66)		
	200-240 VAC	360-480 VAC	525-600 VAC	200-240 VAC	360-480 VAC	525-600 VAC
3	AD030X-2303-N12	AD030X-4603-N12	AD030X-5753-N12	AD030X-2303-N4X	AD030X-4603-N4X	AD030X-5753-N4X
5	AD050X-2303-N12	AD050X-4603-N12	AD050X-5753-N12	AD050X-2303-N4X	AD050X-4603-N4X	AD050X-5753-N4X
7-1/2	AD075X-2303-N12	AD075X-4603-N12	AD075X-5753-N12	AD075X-2303-N4X	AD075X-4603-N4X	AD075X-5753-N4X
10	AD100X-2303-N12	AD100X-4603-N12	AD100X-5753-N12	AD100X-2303-N4X	AD100X-4603-N4X	AD100X-5753-N4X
15	AD150X-2303-N12	AD150X-4603-N12	AD150X-5753-N12	AD150X-2303-N4X	AD150X-4603-N4X	AD150X-5753-N4X
20	AD200X-2303-N12	AD200X-4603-N12	AD200X-5753-N12	AD200X-2303-N4X	AD200X-4603-N4X	AD200X-5753-N4X
25	AD250X-2303-N12	AD250X-4603-N12	AD250X-5753-N12	AD250X-2303-N4X	AD250X-4603-N4X	AD250X-5753-N4X
SINGLE-PHASE INPUT DRIVES (FOR USE WITH 3-PHASE PUMPS ONLY) INCLUDES STANDARD DISCONNECT ONLY (NO FUSES), BATTERY BACKUP, & PENTAIR SMART START*						
Horse Power (HP)	NEMA-12 RATED (IP 54/55)		NEMA-4X RATED (IP 66)			
	200-240 VAC		200-240 VAC			
3	AD030X-2301-N12		AD030X-2301-N4X			
5	AD050X-2301-N12		AD050X-2301-N4X			
7-1/2	AD075X-2301-N12		AD075X-2301-N4X			
10	AD100X-2301-N12		AD100X-2301-N4X			
15 - 20	AD200X-2301-N12		AD200X-2301-N4X			

For 30HP and higher - Please contact factory.

3-PHASE Units available with Optional Bypass Contactor mounted to common back plate. Please contact factory.

*Startup Services

CERTIFIED START-UP ASSISTANCE BY TRAINED TECHNICIANS IS AVAILABLE FOR PURCHASE WITH ALL ACU DRIVE VFD's. USE PRODUCT NUMBERS AS FOLLOWS:	
AD-STDSU01	Startup for single Drive (with or without Bypass Option)
AD-SUDW01	Batch Startup for 2-3 standard drives (4 hr. onsite / day)
AD-SUFW01	Batch Startup for 4-6 standard drives (8 hr. onsite / day)

Optional Accessories and Warranties

"ENHANCED SERVICE WARRANTY - ON SITE" INCLUDES PARTS, LABOR, TRAVEL AND ON-SITE WARRANTY REPAIR. USE PRODUCT NUMBERS AS FOLLOWS:"				
		200-240 VAC		360-480 VAC
DURATION		3 HP & Below	5-25 HP	10 HP & Below
6 YEARS		AD-EWW172	AD-EWW272	AD-EWW172
				AD-EWW272

Flow Sensor Options

ACU DRIVE XS - FLOW SENSOR KITS						
Pipe Size (inches)	NEMA-12 RATED (IP 54/55)			NEMA-4X RATED (IP 66)		
	200-240 VAC	525-600 VAC		200-240 VAC	525-600 VAC	
2"	97014-4202KIT	Includes: • Sch80 PVC Clamp-on Pipe Saddle. • 100 linear feet shielded signal wire. • Strain relief connector. Does <u>not</u> include separate wall-mount flow display.		—	Includes: • Sch80 PVC Clamp-on Pipe Saddle[3"-8"]. • Iron Saddle (10"-14"). • 100 linear feet shielded signal wire. • Strain relief connector. Separate wall-mount flow display/transmitter.	
3"	97014-4203KIT			97014BL-03KIT		
4"	97014-4204KIT			97014BL-04KIT		
6"	97016-4206KIT			97016BL-06KIT		
8"	97016-4208KIT			97016BL-08KIT		
10"	—			97020BL-10KIT		
12"	—			97020BL-12KIT		
14"	—			97020BL-14KIT		

* Additional charges will apply if on-site start-up exceeds four hours (including round-trip travel) per Acu Drive XS Drive.

Other options and add-ons are available including "Bypass Contactors", and "Contact Motor Select" upgrades, and additional on-site technical training. For more information on these options, other sizes, or applications assistance call 1-800-831-7133.

Some pump motors (e.g. 230/460V versions) can be wired to accommodate multiple voltages. This is not true of VFDs. In order to ensure proper VFD selection, the actual pump motor input voltage must be consistent with the drives operating range as shown.

The Acu Drive VF Drive is recommended for use with all "High" or "Premium" efficiency motors and all motors that have Class F insulation or better. For all non-Class F motors, please contact the factory for proper selection of Acu Drive XS Drive and accessories.

Standard Acu Drive XS VF Drives can be returned within 12 months of invoice only if unused, in original packaging, and subject to a 35% restocking charge. Special drives are non-returnable.

Nema Rated 12 enclosure provides protection against dust, dirt and light splashing. Nema Rated 12 units may be used outdoors when sheltered from direct precipitation and sunlight.

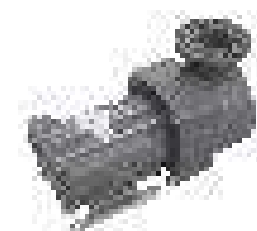
Nema Rated 4X enclosure provides a degree of protection against solid foreign objects (windblown dust), water (rain, sleet, snow, splashing water, and hose directed water), and an additional level of protection against corrosion; and that will be undamaged by the external formation of ice on the enclosure.

EQ SERIES™

COMMERCIAL PLASTIC PUMP WITH AND WITHOUT HAIR AND LINT STRAINER



EQ Series TEFC Pump
with Strainer



EQ Series Pump
without Strainer

Commercial Plastic pump built specifically for commercial and large residential pools. Pump features electrical and hydraulic designs that helps reduce electrical costs, less wear and tear on critical moving parts, and lightweight for ease of installation.

Featured Highlights

- Efficiency 3-phase motors
- Commercial grade, noncorrosive Plastic Parts for durability and long life
- Now available in TEFC and ODP 3-phase motor options
- Cam and Ramp™ See -Through Lid
- Self-priming with Hair and Lint Strainer
- Light weight
- 3-phase models compatible with Acu Drive™ XS VF Drive
- Drop-in replacement for C Series® and CSP Series™ Pumps
- Waterfall models great for low head, high flow applications
- Easy cleaning and serviceability
- 50 Hz models available-contact factory

Ordering Information

Product	Description	Voltage	Amps	HP	SF	SFHP	Primary Listings and Certifications ⁶	Port Size (ANSI Flange)	Motor Class	Carton Wt. (Lbs.)	Curve Key
PREMIUM EFFICIENCY SINGLE PHASE POOL PUMP WITHOUT STRAINER - ODP											
340019	EQ-500	230	20.0	5	1.15	5.75	NSF ² , ETL ⁵	6 in. x 4 in.	F	97	A
340021	EQ-750	230	30.4	7.5	1.15	8.63	NSF ²	6 in. x 4 in.	F	132	B
340237	EQ-1000	230	40.0	10	1.15	11.50	NSF ²	6 in. x 4 in.	F	125	C
NEMA RATED PREMIUM EFFICIENCY THREE PHASE POOL PUMP WITHOUT STRAINER - ODP											
340020	EQK-500	208-230/460	13.5-12.3/6.2	5	1.15	5.75	NSF ²	6 in. x 4 in.	F	77	D
340022	EQK-750	208-230/460	20.4-18.2/9.1	7.5	1.15	8.63	NSF ²	6 in. x 4 in.	F	87	E
340023	EQK-1000	208-230/460	27.0/26.2-13.1	10	1.15	11.50	NSF ²	6 in. x 4 in.	F	117	F
340024	EQK-1500	208-230/460	40.0-38.0/18.8	15	1.15	17.25	NSF ²	6 in. x 4 in.	F	132	G
NEMA RATED PREMIUM EFFICIENCY THREE PHASE POOL PUMP WITHOUT STRAINER - TEFC											
340608	EQKT-500	208-230/460	13.4-12.2/6.1	5	1.25	6.25	NSF ² , UL ⁷	6 in x 4 in	F	97	D
340609	EQKT-750	208-230/460	19.9-17.8/8.9	7.5	1.25	9.38	NSF ² , UL ⁷	6 in x 4 in	F	117	E
340610	EQKT-1000	208-230/460	26.4-23.5/11.7	10	1.25	12.50	NSF ² , UL ⁷	6 in x 4 in	F	163	F
340611	EQKT-1500	208-230/460	39.0-36.0/18.0	15	1.25	18.75	NSF ² , UL ⁸	6 in x 4 in	F	177	G
NEMA RATED PREMIUM EFFICIENCY THREE PHASE POOL PUMP WITHOUT STRAINER - 575 VOLT - ODP											
340148	EQK-500	575	5.1	5	1.15	5.75	NSF ²	6 in. x 4 in.	F	77	D
340149	EQK-750	575	7.2	7.5	1.15	8.63	NSF ²	6 in. x 4 in.	F	87	E
340150	EQK-1000	575	10.2	10	1.15	11.50	NSF ²	6 in. x 4 in.	F	117	F
340151	EQK-1500	575	15.0	15	1.15	17.25	NSF ²	6 in. x 4 in.	F	132	G
PREMIUM EFFICIENCY SINGLE PHASE POOL PUMP WITH STRAINER - ODP											
340030	EQ-500	230	20.0	5	1.15	5.75	NSF ³ , ETL ⁵	6 in. x 4 in.	F	126	A
340032	EQ-750	230	30.4	7.5	1.15	8.63	NSF ³	6 in. x 4 in.	F	161	B
340238	EQ-1000	230	40.0	10	1.15	11.50	NSF ³	6 in. x 4 in.	F	160	C
NEMA RATED PREMIUM EFFICIENCY THREE PHASE POOL PUMP WITH STRAINER - ODP											
340031	EQK-500	208-230/460	13.5-12.3/6.2	5	1.15	5.75	NSF ³	6 in. x 4 in.	F	106	D
340033	EQK-750	208-230/460	20.1-18.3/9.1	7.5	1.15	8.63	NSF ³	6 in. x 4 in.	F	116	E
340034	EQK-1000	208-230/460	27.0/26.2-13.1	10	1.15	11.50	NSF ³	6 in. x 4 in.	F	146	F
340035	EQK-1500	208-230/460	40.0-36.0/17.8	15	1.15	17.25	NSF ³	6 in. x 4 in.	F	161	G
NEMA RATED PREMIUM EFFICIENCY THREE PHASE POOL PUMP WITH STRAINER - TEFC											
340604	EQKT-500	208-230/460	13.4-12.2/6.1	5	1.25	6.25	NSF ³ , UL ⁷	6 in x 4 in	F	127	D
340605	EQKT-750	208-230/460	19.9-17.8/8.9	7.5	1.25	9.38	NSF ³ , UL ⁷	6 in x 4 in	F	147	E
340606	EQKT-1000	208-230/460	26.4-23.5/11.7	10	1.25	12.50	NSF ³ , UL ⁷	6 in x 4 in	F	193	F
340607	EQKT-1500	208-230/460	39.0-36.0/18.0	15	1.25	18.75	NSF ³ , UL ⁸	6 in x 4 in	F	207	G

EQ SERIES™

COMMERCIAL PLASTIC PUMP WITH AND WITHOUT HAIR AND LINT STRAINER

Product	Description	Voltage	Amps	HP	SF	SFHP	Primary Listings and Certifications ⁶	Port Size (ANSI Flange)	Motor Class	Carton Wt. (Lbs.)	Curve Key
NEMA RATED PREMIUM EFFICIENCY THREE PHASE POOL PUMP WITH STRAINER - ODP - 575 VOLT											
340155	EQK-500	575	5.1	5	1.15	5.75	NSF ³	6 in. x 4 in.	F	106	D
340156	EQK-750	575	7.2	7.5	1.15	8.63	NSF ³	6 in. x 4 in.	F	116	E
340157	EQK-1000	575	10.2	10	1.15	11.50	NSF ³	6 in. x 4 in.	F	146	F
340159	EQK-1500	575	15.0	15	1.15	17.25	NSF ³	6 in. x 4 in.	F	161	G
SINGLE PHASE WATERFALL PUMP WITHOUT STRAINER - ODP - 1750 RPM											
340014	EQW-300	208-230	19.5/19.2	3	1.15	3.45	NSF ² , ETL ⁵	6 in. x 4 in.	F	97	H
340017	EQW-500	208-230	23.0-20.1	5	1.25	6.25	NSF ² , ETL ⁵	6 in. x 4 in.	F	97	I
NEMA RATED PREMIUM EFFICIENCY THREE PHASE WATERFALL PUMP WITHOUT STRAINER - ODP - 1750 RPM											
340016	EQWK-300	208-230/460	8.4-7.8/3.9	3	1.15	3.45	NSF ²	6 in. x 4 in.	F	77	H
340018	EQWK-500	208-230/460	13.8-13.0/6.5	5	1.25	6.25	NSF ²	6 in. x 4 in.	F	77	I
SINGLE PHASE WATERFALL PUMP WITH STRAINER - ODP - 1750 RPM											
340026	EQW-300	208/230	19.5/19.2	3	1.15	3.45	NSF ³ , ETL ⁵	6 in. x 4 in.	F	126	H
340028	EQW-500	208-230	23.0/20.1	5	1.25	6.25	NSF ⁴ , ETL ⁵	6 in. x 4 in.	F	126	I
NEMA RATED PREMIUM EFFICIENCY THREE PHASE WATERFALL PUMP WITH STRAINER - ODP											
340027	EQWK-300	208-230/460	8.4-7.8/3.9	3	1.15	3.45	NSF ³	6 in. x 4 in.	F	106	H
340029	EQWK-500	208-230/460	13.8-13.0/6.5	5	1.25	6.25	NSF ⁴	6 in. x 4 in.	F	106	I
HAIR AND LINT STRAINER WITH CAM AND RAMP LID, BASKET AND HARDWARE											
340013	EQ 6X6 Strainer						NSF ⁴	6 in. x 6 in.		33	J
EQ SERIES PUMP ACCESSORIES FLANGE ASSEMBLY KITS											
357262	Flange 4 in. w/ gasket and SS hardware ¹	(See images on next page)								20	
357263	Flange 6 in. w/ gasket and SS hardware ¹	(See images on next page)								23	
357212	Flange 6 in. w/ gasket and SS hardware.	For use on EQ Pumps without Strainer.								23	

See page 249 for an assortment of PS Series In-Line Strainers that work well with EQ Series pumps.

¹ Thermoplastic PVC socket style.

² 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Non Self-Priming Centrifugal Pumps For Swimming Pools, Spas and Hot Tubs.

³ 'NSF' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools, Spas and Hot Tubs.

⁴ 'NSF' indicates that product bears a mark signifying evaluation to NSF Standard 50 For Materials and Components.

⁵ 'ETL' indicates that pump bears a specific ETL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools And Spas. (Enclosure 3).

⁶ Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

⁷ 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools Only (Enclosure 3).

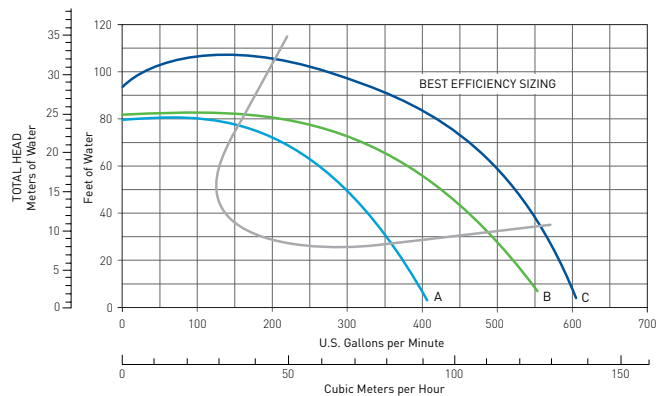
⁸ 'UL' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps.

Dimensions and Performance - See next page.

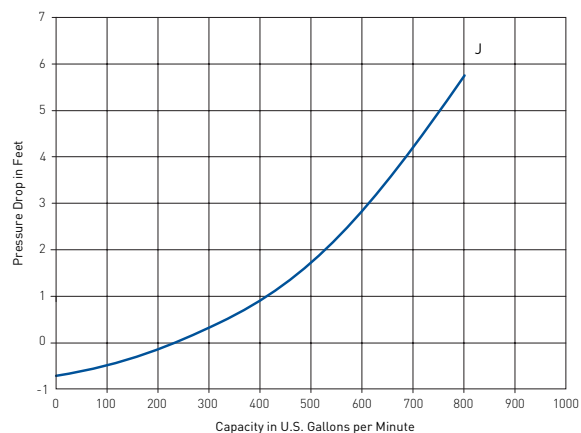
EQ SERIES™ COMMERCIAL PLASTIC PUMP WITH AND WITHOUT HAIR AND LINT STRAINER

Dimensions and Performance

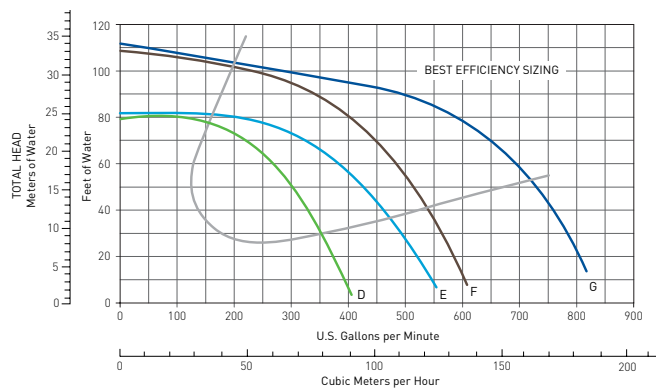
Single Phase Pumps - EQ Models



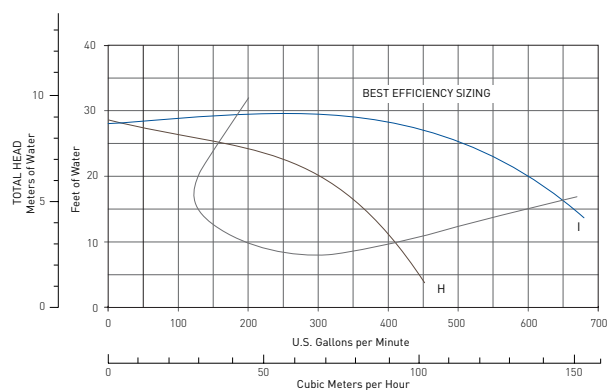
EQ Strainer Only



Three Phase Pumps - EQK Models



WaterFall Pumps - EQW & EQWK Models

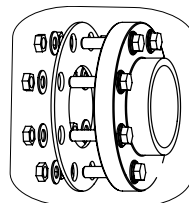


EQ SERIES™

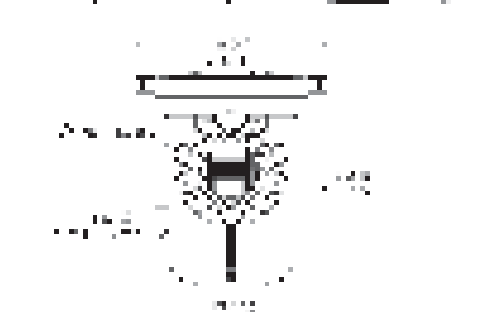
COMMERCIAL PLASTIC PUMP WITH AND WITHOUT HAIR AND LINT STRAINER (CONT'D)

Dimensions and Performance

EQ Series Commercial Pump without Strainer

EQ Series Pump
Flange Assembly Kit

EQ Series Commercial Pump with Strainer



Product No W/O Pot	Product No. W/ Pot	Dim A*	Dim B*	Dim C*	Dim D*
340014	340026	26.62	13.32	9.69	43.59
340017	340028	26.62	14.21	9.69	43.59
340019	340030	26.62	13.32	9.69	43.59
340021	340032	27.53	14.21	10.69	44.59
340237	340238	26.94	14.03	10.69	43.92
340016	340027	23.12	13.32	9.69	40.09
340018	340029	23.12	13.32	9.69	40.09
340020	340031	23.12	13.32	9.69	40.09
340022	340033	24.50	13.32	9.69	41.56
340023	340034	26.31	14.38	10.69	43.29
340024	340035	26.31	14.38	10.69	43.29
340148	340155	24.62	13.32	7.50	41.59
340149	340156	24.62	13.32	7.50	41.59
340150	340157	26.31	14.07	8.50	43.29
340151	340159	26.31	14.07	8.50	43.29
340608	340604	24.52	13.48	9.69	41.50
340609	340605	26.52	14.19	10.69	43.50
340610	340606	28.02	14.19	10.69	45.00
340611	340607	28.02	14.19	10.69	45.00
340086	340082	24.62	13.48	9.69	41.59
340085	340081	24.62	13.48	9.69	41.59
340084	340080	28.31	14.19	10.69	45.29
340083	340049	28.31	14.19	10.69	45.29
340048	340046	28.31	14.19	10.69	45.29
340047	340045	28.31	14.19	10.69	45.29

* This value may vary slightly depending upon manufacturer and motor design.

△ FASTENERS AND O-RING ARE INCLUDED WITH PENTAIR POOL PRODUCTS EQ 6X6 STRAINER TO CONNECT STRAINER DIRECTLY TO EQ SERIES PUMP. IF PUMP IS TO BE INSTALLED WITHOUT STRAINER MAKE BOTH CONNECTIONS PER NOTE 1.

△ USE ANSI CLASS 150 PLASTIC FLANGE AND 1/8 in. THICK CLASS 150 FULL FLANGE GASKET TO MAKE CONNECTION.

△ THIS DIAMETER FITS INSIDE 6 in. SCH 40 PIPE. DO NOT USE SCH 80 PIPE AS FINAL PIPE SIZE WHEN MAKING THIS FLANGE CONNECTION.

C SERIES®

COMMERCIAL BRONZE PUMPS



C Series Commercial Bronze Pump

Bronze volute and pot, coated cast iron foot, flanged connections, 6 in. suction, 4 in. discharge.

Featured Highlights

- Large commercial pump with s/s basket
- Easy serviceability
- All-bronze construction for strength and durability
- 6 in. suction and 4 in. discharge for maximum capabilities
- Heavy-gauge stainless steel strainer basket with an open area 5 times the area of the suction port
- Closed impeller for longer motor bearing life
- Heat-resistant seal capable of operation at up to 150°
- Available in single and three-phase, 50 and 60-Hertz models
- For 200-208v applications order 200-208v model pump

Ordering Information

Product	Description	Voltage	Amps	HP	SF	SFHP	Primary Listings and Certifications ²	Motor Class	Port Size (ANSI Flange)	Carton Wt. (Lbs.)	Curve Key
NEMA RATED STANDARD EFFICIENCY SINGLE PHASE 230V											
011651	CM-50	230	24.0	5	1.15	5.75	NSF ¹	B	6 in. x 4 in.	352	F
011656	CH-50	230	24.0	5	1.15	5.75	NSF ¹	B	6 in. x 4 in.	352	A
347917	CM-75	230	37.0	7-1/2	1.15	8.63	NSF ¹	B	6 in. x 4 in.	375	G
347916	CH-75	230	37.0	7-1/2	1.15	8.63	NSF ¹	B	6 in. x 4 in.	375	B
347964	CM-100	230	51.0	10	1.15	11.50	NSF ¹	B	6 in. x 4 in.	370	H
347963	CH-100	230	51.0	10	1.15	11.50	NSF ¹	B	6 in. x 4 in.	370	C
NEMA RATED STANDARD EFFICIENCY SINGLE PHASE 200 - 208V											
347938	CM-50	200-208	29.0	5	1.15	5.75	NSF ¹	B	6 in. x 4 in.	322	F
348001	CM-75	200-208	42.6	7-1/2	1.15	8.63	NSF ¹	B	6 in. x 4 in.	375	G
NEMA RATED STANDARD EFFICIENCY THREE PHASE 200 - 208V											
347940	CMK-50	200-208	16.1	5	1.15	5.75	NSF ¹	B	6 in. x 4 in.	346	F
347941	CHK-50	200-208	16.1	5	1.15	5.75	NSF ¹	B	6 in. x 4 in.	350	A
347942	CMK-75	200-208	22.3	7-1/2	1.15	8.63	NSF ¹	B	6 in. x 4 in.	346	G
347943	CHK-75	200-208	22.3	7-1/2	1.15	8.63	NSF ¹	B	6 in. x 4 in.	346	B
347944	CMK-100	200-208	28.7	10	1.15	11.50	NSF ¹	B	6 in. x 4 in.	370	H
347945	CHK-100	200-208	28.7	10	1.15	11.50	NSF ¹	B	6 in. x 4 in.	356	C
347948	CHK-200	200-208	54.0	20	1.15	23.00	NSF ¹	F	6 in. x 4 in.	406	E
NEMA RATED STANDARD EFFICIENCY THREE PHASE 220/440V											
011657	CHK-50	220/440	13.0/6.5	5	1.15	5.75	NSF ¹	F	6 in. x 4 in.	336	A
011658	CHK-75	220/440	18.4/9.2	7-1/2	1.15	8.63	NSF ¹	F	6 in. x 4 in.	349	B
011659	CHK-100	220/440	25.3/12.6	10	1.15	11.50	NSF ¹	B	6 in. x 4 in.	376	C
011660	CHK-150	220/440	37.5/18.8	15	1.15	17.25	NSF ¹	B	6 in. x 4 in.	398	D
011661	CHK-200	220/440	49.0/24.6	20	1.15	23.00	NSF ¹	F	6 in. x 4 in.	403	E

C SERIES®

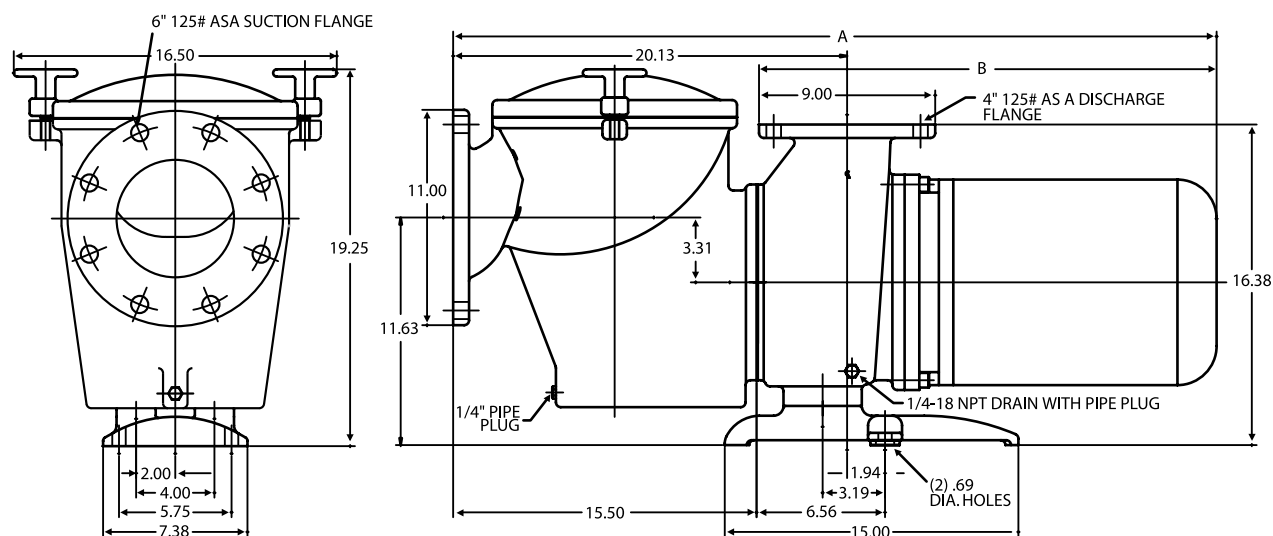
COMMERCIAL BRONZE PUMPS (CONT'D) WITH HAIR AND LINT STRAINER

Product	Description	Voltage	Amps	HP	SF	SFHP	Primary Listings and Certifications ²	Motor Class	Port Size (ANSI Flange)	Carton Wt. (Lbs.)	Curve Key
NEMA RATED STANDARD EFFICIENCY THREE PHASE 575V											
347967	CHK-50	575	5.6	5	1.15	5.75	NSF ¹	F	6 in. x 4 in.	336	A
347935	CHK-200	575	19.5	20	1.15	23.00	NSF ¹	F	6 in. x 4 in.	406	E
NEMA RATED STANDARD EFFICIENCY THREE PHASE 380-415V- 50 HZ											
014884	CHKL-200	380-415	28.0-26.0	20	1.15	23.00	NSF ¹	F	6 in. x 4 in.	403	

¹ "NSF" indicates that pump has been certified to NSF/ANSI 50, the Standard for Equipment for swimming pools, spas, hot tubs and other recreational water features.

² Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

Dimensions and Performance



PUMP DIMENSIONS				
THREE-PHASE AMPS @ 220/440 & 380/415 V				
HP	AMPS	A	B	
5	14	34.88	19.50	
7.5	20	35.88	20.50	
10	26	36.88	22.50	
15	38	37.38	22.00	
20	46	37.88	23.50	

PUMP DIMENSIONS				
SINGLE-PHASE AMPS @ 230 VOLTS				
HP	AMPS	A	B	
5	26	35.50	20.50	
7.5	37	35.88	20.50	

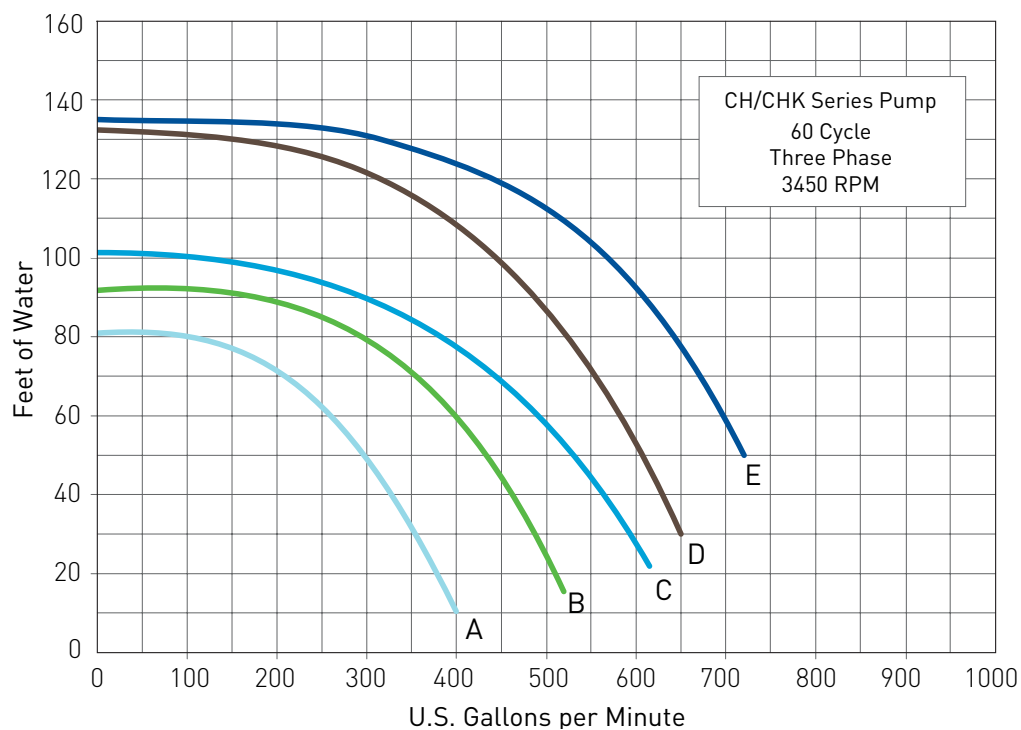
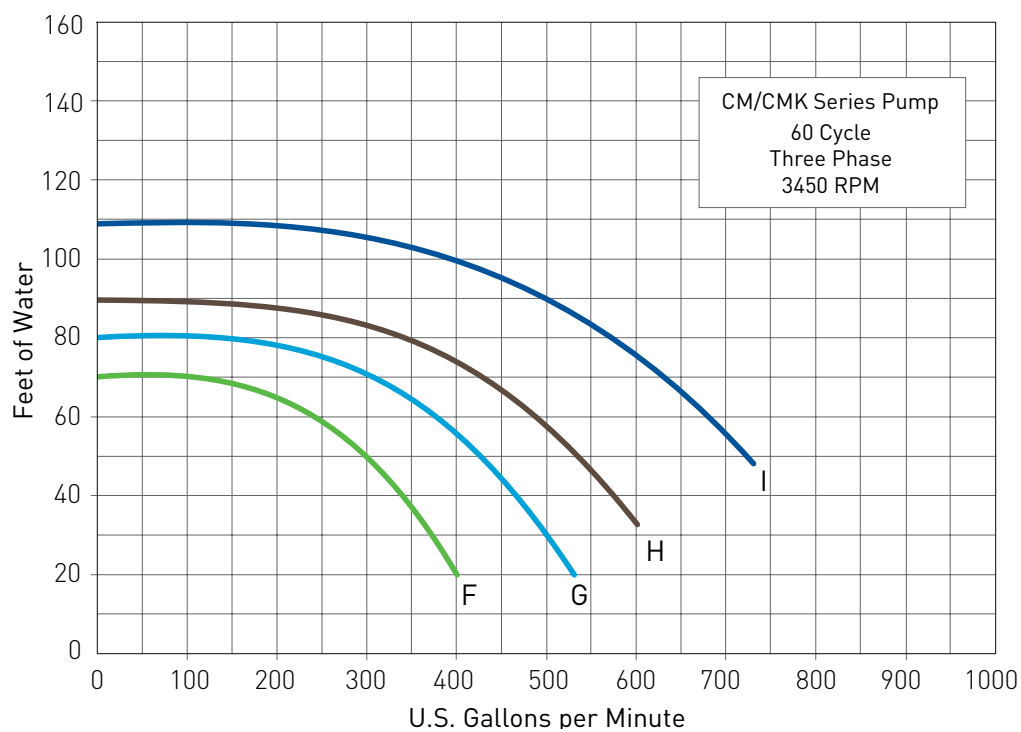
PUMP DIMENSIONS				
SINGLE-PHASE AMPS @ 200 VOLTS				
HP	AMPS	A	B	
5	29	35.50	20.50	
7.5	39.6	35.88	20.50	

NOTES:

- BOTH "A" AND "B" DIMENSIONS ARE APPROXIMATE IT DEPENDS ON MOTOR MANUFACTURER.
- ALL DIMENSIONS ARE IN INCHES AND MAY VARY $\pm .25$.

C SERIES®

COMMERCIAL BRONZE PUMPS (CONT'D) WITH HAIR AND LINT STRAINER

CH/CHK SERIES PUMP - 60HZ**CM/CMK SERIES PUMP - 60HZ**

CSP/CCSP SERIES™

COMMERCIAL SELF-PRIMING PUMP

Featured Highlights

- Especially designed for commercial and public swimming pools and spas, aquatic facilities, water parks and fountain applications where high performance and self-priming are required
- Pump has enclosed bronze impeller and standard 6 in. x 4 in. A.N.S.I. rated flange connections
- The pump strainer (order separately) has capacity of 1,100 cubic inches. Both pump and strainer can be ordered with optional epoxy coated castings to provide additional performance and corrosion resistance



CSP/CCSP Series
Commercial Self-Priming
Pump with PKG 184
Strainer (sold separately)



Ordering Information

Product	Voltage	Amps	HP	SF	SFHP	Primary Listings and Certifications ⁴	(ANSI Flange)	Wt. (Lbs.)	Key
NEMA RATED STANDARD EFFICIENCY SINGLE PHASE CAST IRON									
CSPHK-142	230	39	7.5	1.15	8.63	NSF ²	6 in. x 4 in.	270	A
CSPHL-143	230	46	10	1.15	11.50	NSF ²	6 in. x 4 in.	275	B
NEMA RATED STANDARD EFFICIENCY SINGLE PHASE EPOXY COATED CAST IRON									
CCSPHK-142	230	39	7.5	1.15	8.63	NSF ²	6 in. x 4 in.	270	E
CCSPHL-143	230	46	10	1.15	11.50	NSF ²	6 in. x 4 in.	275	F
NEMA RATED STANDARD EFFICIENCY THREE PHASE CAST IRON									
CSPHK3-142	230/460	21.2-19.2/9.6	7-1/2	1.25	9.38	NSF ²	6 in. x 4 in.	265	A
CSPHL3-143	230/460	27.6-24.4/12.2	10	1.25	12.50	NSF ²	6 in. x 4 in.	270	B
CSPHM3-144	230/460	44.2-40/20	15	1.25	18.75	NSF ²	6 in. x 4 in.	280	C
CSPHN3-145	230/460	55.3-50/25	20	1.25	25.00	NSF ²	6 in. x 4 in.	325	D
NEMA RATED STANDARD EFFICIENCY THREE PHASE CAST IRON - 200V ⁶									
CSPH2K3-142	200	22.1	7-1/2	1.15	8.63	NSF ²	6 in. x 4 in.	265	A
CSPH2L3-143	200	28.1	10	1.25	12.50	NSF ²	6 in. x 4 in.	270	B
CSPH2M3-144	200	42.3	15	1.25	18.75	NSF ²	6 in. x 4 in.	280	C
CSPH2N3-145	200	57.3	20	1.25	25.00	NSF ²	6 in. x 4 in.	350	D
NEMA RATED STANDARD EFFICIENCY THREE PHASE EPOXY COATED CAST IRON									
CCSPHK3-142	230/460	21.2-19.2/9.6	7-1/2	1.25	9.38	NSF ²	6 in. x 4 in.	265	E
CCSPHL3-143	230/460	27.6-24.4/12.2	10	1.25	12.50	NSF ²	6 in. x 4 in.	270	F
CCSPHM3-144	230/460	44.2-40/20	15	1.25	18.75	NSF ²	6 in. x 4 in.	280	G
CCSPHN3-145	230/460	55.3-50/25	20	1.25	25.00	NSF ²	6 in. x 4 in.	325	H
NEMA RATED STANDARD EFFICIENCY THREE PHASE EPOXY COATED CAST IRON - 200 V ⁶									
CCSPH2K3-142	200	22.1	7-1/2	1.15	8.63	NSF ²	6 in. x 4 in.	265	E
CCSPH2L3-143	200	28.1	10	1.25	12.50	NSF ²	6 in. x 4 in.	270	F
CCSPH2M3-144	200	42.3	15	1.25	18.75	NSF ²	6 in. x 4 in.	280	G
CCSPH2N3-145	200	57.3	20	1.25	25.00	NSF ²	6 in. x 4 in.	350	H
ACCESSORIES FOR CSP/CCSP SERIES									
PKG 184	Strainer for CSP/CCSP 6 in. ANSI flange (1,100 cu. in. capacity)					NSF ³	6 in. x 6 in.	180	I
PKG 184C	Same as PKG 184 Except Strainer is Epoxy Coated					NSF ³	6 in. x 6 in.	180	I
357262	Flange 4 in. w/ gasket and SS hardware ⁵							20	
357263	Flange 6 in. w/ gasket and SS hardware ⁵							23	

¹ Amp draw may vary depending on motor manufacturer.

² 'NSF[1]' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools And Spas.

³ 'NSF[2]' indicates that product bears a mark signifying evaluation to NSF Standard 50 For Materials and Components.

⁴ Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

⁵ Thermoplastic PVC socket style.

⁶ For 208 volt applications, use 200v model options.

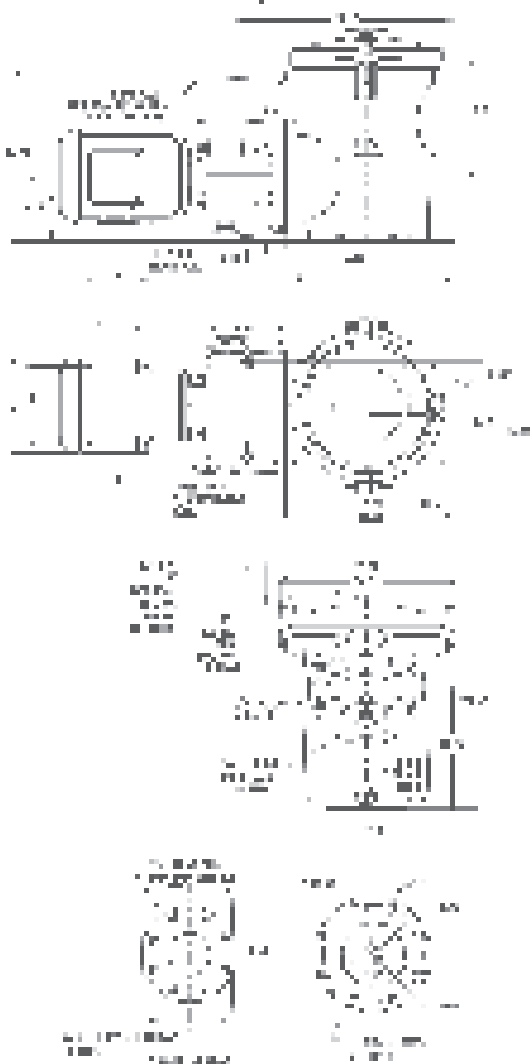
CSP/CCSP SERIES™

COMMERCIAL SELF-PRIMING PUMP (CONT'D)

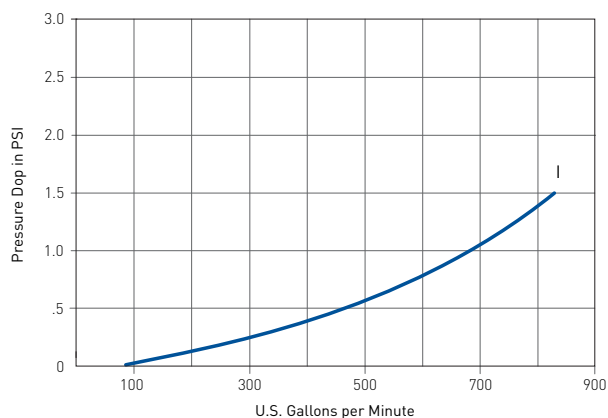
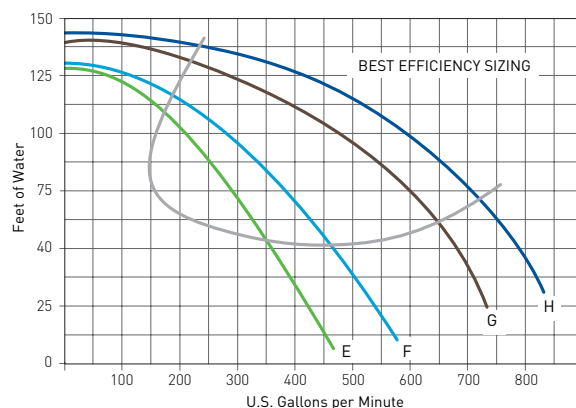
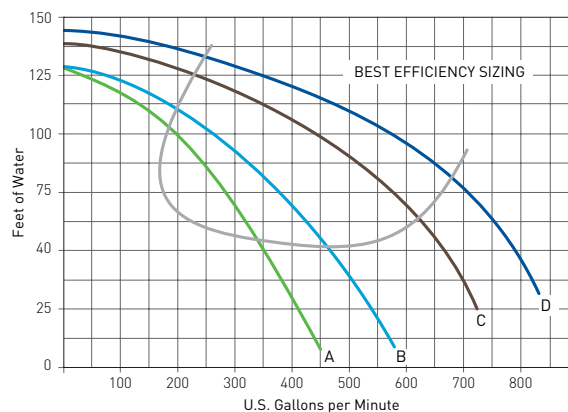
Featured Highlights

Options: CCSP Models feature special epoxy coated castings for maximum performance and corrosion resistance. 60 Hz T.E.F.C., 60 Hz premium efficiency, or 575 volt motors available. Inverter duty rated class F motors available for most models. Contact factory for details.

Note: Maximum ambient temperature for motor is 104°F (40°C). All pump motors require external overload protection (magnetic starter). Pump strainer must be ordered separately. Full load amps on motor model plate.



Dimensions and Performance



Catalog Number	A	B	CP	D	E	F	R	S	T
CSPHK, CCSPHK	10.62	7.00	39.44	5.25	4.25	5.50	1.00	30.00	8.50
CSPHK3, CCSPHK3, CSPH2K3	9.00	6.75	40.31	4.50	3.75	5.50	1.75	29.13	7.50
CSPHL, CCSPHL	10.35	8.26	42.69	5.25	4.25	7.00	1.00	30.00	8.50
CSPHL3, CCSPHL3	10.62	7.00	41.00	5.25	4.25	5.50	1.00	30.00	8.50
CSPHM3, CCSPHM3	10.62	8.50	42.50	5.25	4.25	7.00	1.00	30.00	8.50
CSPH2L3, CSPH2M3	10.62	8.50	42.50	5.25	4.25	7.00	1.00	30.00	8.50
CSPHN3, CCSPHN3	12.50	10.80	46.75	6.25	5.00	8.20	0.00	31.62	10.00
CSPH2N3, CCSPH2N3	13.38	12.44	48.50	6.25	5.00	10.00	0.00	31.65	10.00

All dimensions shown in inches.

5CSP/5CCSP SERIES™

50 HERTZ COMMERCIAL SELF-PRIMING PUMP

Featured Highlights

- Especially designed for commercial and public swimming pools and spas, aquatic facilities, water parks and fountain applications where high performance and self-priming are required
- Pump has enclosed bronze impeller and standard 6 in. x 4 in. A.N.S.I. flange connections
- The pump strainer (order separately) has capacity of 1,100 cubic inches. Both pump and strainer can be ordered with optional epoxy coated castings to provide additional performance and corrosion resistance
- **Note: 50 hertz pumps cannot be used in North America.**



5CSP/5CCSP Series Commercial Self-Priming Pump with PKG 184 Strainer Pot (sold separately)

Ordering Information

Product	Voltage	Amps	HP	SF	SFHP	Primary Listings and Certifications ³	Port Size (ANSI Flange)	Carton Wt. (Lbs.)	Curve Key
SINGLE PHASE CAST IRON WITHOUT STRAINER- 50 HZ									
5CSPHJ-142	220-240	35.5-32.5	5	1.00	5		6 in. x 4 in.	270	A
5CSPHK-143	220-240	43.0-39.4	7-1/2	1.00	7-1/2		6 in. x 4 in.	280	B
THREE PHASE CAST IRON WITHOUT STRAINER- 50 HZ									
5CSPHJ3-142	220-240/380-415	13.0/6.9	5	1.00	5		6 in. x 4 in.	260	A
5CSPHK3-143	220-240/380-415	20.7-21.5/12.0/12.4	7-1/2	1.00	7-1/2		6 in. x 4 in.	270	B
5CSPHL3-144	220-240/380-415	27.0-27.5/15.6-15.9	10	1.00	10		6 in. x 4 in.	280	C
5CSPHM3-145	220-240/380-415	38.9-20.6	15	1.00	15		6 in. x 4 in.	300	D
THREE PHASE EPOXY COATED CAST IRON WITHOUT STRAINER - 50 HZ									
5CCSPHJ3-142	220-240/380-415	13.0/6.9	5	1.00	5		6 in. x 4 in.	260	A
5CCSPHK3-143	220-240/380-415	20.7-11.0	7-1/2	1.00	7-1/2		6 in. x 4 in.	270	B
5CCSPHL3-144	220-240/380-415	26.9-14.3	10	1.00	10		6 in. x 4 in.	280	C
5CCSPHM3-145	220-240/380-415	38.9-20.6	15	1.00	15		6 in. x 4 in.	300	D
ACCESSORIES FOR 5CSP/5CCSP SERIES									
PKG 184	Strainer for CSP/CCSP 6 in. ANSI flange (1,100 cu. in. capacity)					NSF ⁴	6 in. x 6 in.	180	I
PKG 184C	Same as PKG 184 Except Strainer is Epoxy Coated					NSF ⁴	6 in. x 6 in.	180	I
357262	Flange 4 in. w/ gasket and SS hardware ²							20	
357263	Flange 6 in. w/ gasket and SS hardware ²							23	

¹ Amp draw may vary depending on motor manufacturer. Full load amps on motor model plate.

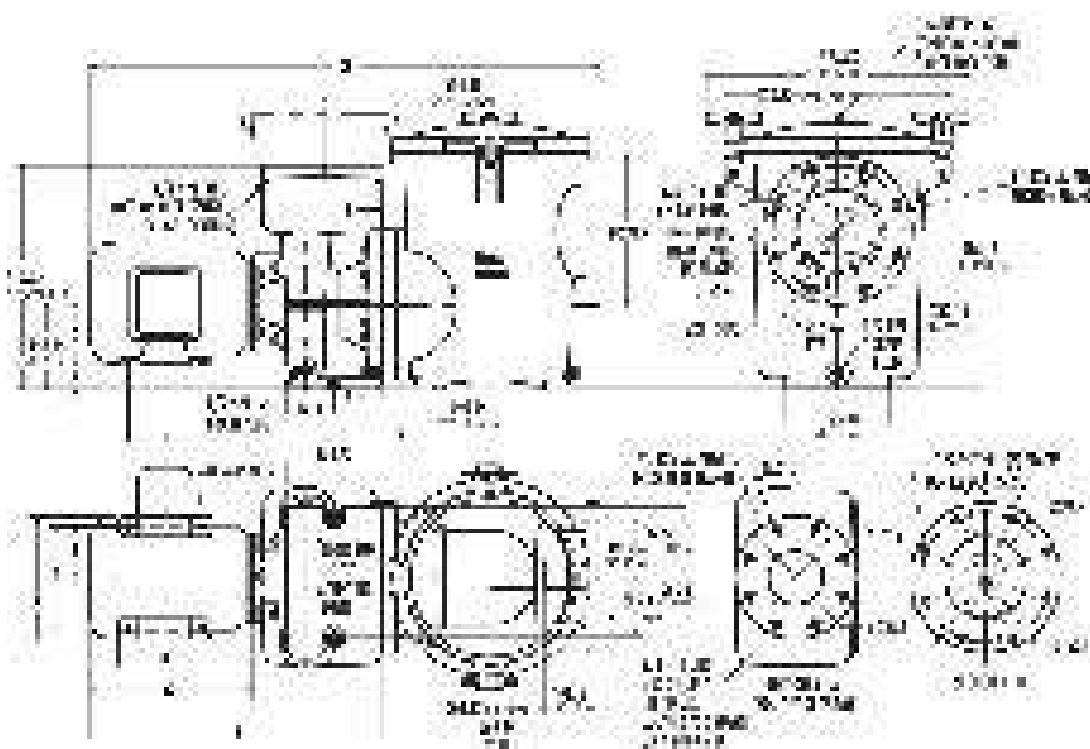
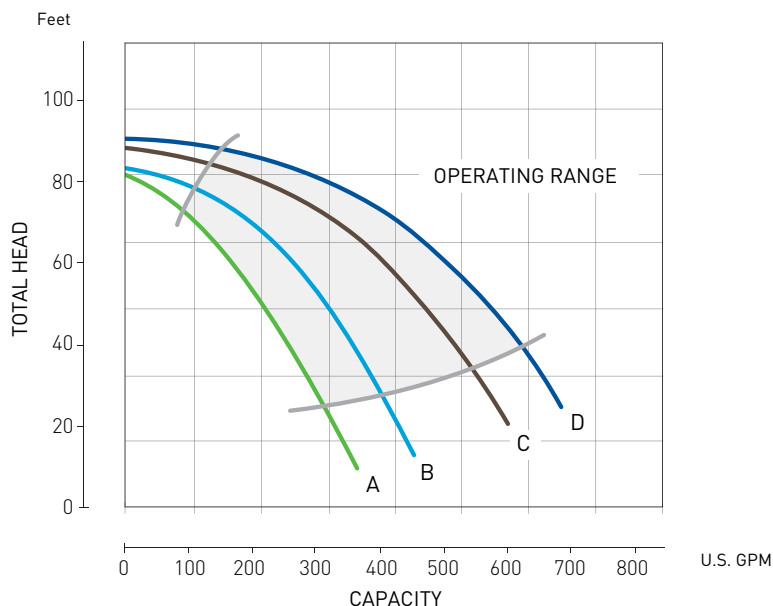
² Thermoplastic PVC socket style.

³ Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

⁴ 'NSF(2)' indicates that product bears a mark signifying evaluation to NSF Standard 50 For Materials and Components.

5CSP/5CCSP SERIES™ 50 HERTZ COMMERCIAL SELF-PRIMING PUMP (CONT'D)

Dimensions and Performance



Catalog Number	A	B	CP	D	E	F	R	S	T
5CSPHJ	269.75	177.8	1039.62	133.25	107.95	139.7	25.4	733.3	215.9
5CSPHK	269.75	215.9	1075.69	133.25	107.95	177.8	25.4	733.3	215.9
5CSPHJ3	228.6	171.45	988.82	133.25	95.25	139.7	44.45	734.06	190.5
5CSPHK3	269.75	177.8	1039.62	133.25	107.95	139.7	25.4	733.3	215.9
5CSPHL3	269.75	215.9	1075.69	133.25	107.95	177.8	25.4	733.3	215.9
5CSPHM3	317.5	274.32	1185.67	158.75	127.0	209.55	-	793.75	254.0

All dimensions shown in millimeters.

D-SERIES™

CAST IRON SELF-PRIMING CENTRIFUGAL COMMERCIAL PUMP

Featured Highlights

- Especially designed for commercial applications where high performance and self-priming characteristics are desired
- These self-priming, high performance pumps are available in high head and medium head models, providing a complete range of performance characteristics
- Motors are open drip-proof, continuous duty rated 3450 RPM.



D Series Cast Iron Self-Priming Centrifugal Commercial Pump

Ordering Information

Product	Voltage	Amps ¹	HP	Primary Listings and Certifications ³	Port Size (NPT)	Carton Wt. (Lbs.)	Curve Key
STANDARD EFFICIENCY THREE PHASE HIGH HEAD							
DHH3-169	230/460	8.6/4.3	3	NSF ²	1-1/2 in.	135	A
DMH3-171	230/460	8.6/4.3	3	NSF ²	2 in.	135	C
STANDARD EFFICIENCY THREE PHASE MEDIUM HEAD							
DHJ3-170	230/460	13.2/6.6	5	NSF ²	2 in.	178	B
DMJ3-172	230/460	13.2/6.6	5	NSF ²	2-1/2 in.	178	D

* 200 Volt models available. Contact factory for details.

¹ Dimensions and Max Load Amps may vary per motor manufacturer.

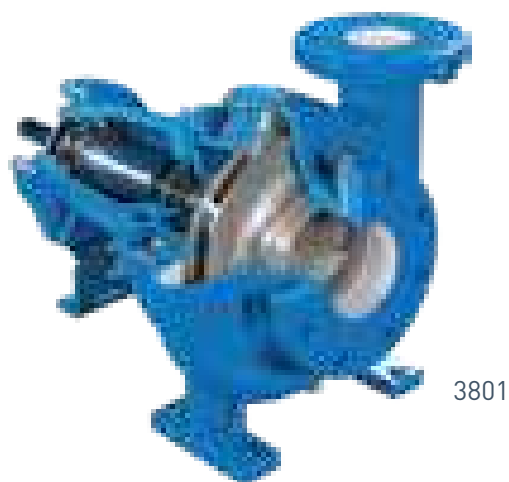
² 'NSF(1)' indicates that pump bears a mark signifying evaluation to NSF Standard 50 For Self-Priming Centrifugal Pumps For Swimming Pools, Spas and Hot Tubs when installed with a NSF certified Hair and Lint Strainer.

³ Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

Catalog Number	HP	Discharge (NPT)	A	B	C*	D	E	F	G	H	J	L
DHH-169	3	1-1/2	8.75	6.50	21.37	4.50	3.75	2.25	15.21	12.96	6.51	.44 SLOT
DHH3-169	3	1-1/2	6.50	6.50	19.87	3.50	2.75	2.50	14.45	12.20	6.51	.34 DIA.
DHJ-170	5	2	8.75	6.50	22.12	4.50	3.75	2.75	15.71	12.96	6.51	.44 SLOT
DHJ3-172	5	2	8.75	6.50	21.62	4.50	3.75	2.25	15.21	12.96	6.50	.44 SLOT
DMH-171	3	2	8.75	6.50	21.37	4.50	3.75	2.25	15.21	12.96	6.51	.44 SLOT
DMH3-171	3	2	6.50	6.50	19.87	3.50	2.75	2.50	14.45	12.20	6.51	.34 DIA.
DMJ-172	5	2-1/2	8.75	6.50	22.12	4.50	3.75	2.75	15.71	12.96	6.51	.44 SLOT
DMJ3-172	5	2-1/2	8.75	6.50	21.62	4.50	3.75	2.25	15.21	12.96	6.50	.44 SLOT

AURORA® 3800 SERIES AND 410 SERIES

END SUCTION AND SPLIT CASE PUMPS



3801

Featured Highlights

- Multiple configurations available
- Models to 100 ft. TDH
- Compatible with Acu Drive™ XS VF Drive
- Cast Iron Stainless Steel Fitted Models
- Flooded Suction applications
- Highly reliable performance
- NSF approved models available
- Various flow capabilities for all applications
- Epoxy Coating option available
- ODP and TEFC motors in Standard and Premium efficiency available
- PS Series In-line Strainers match up to most Aurora pumps.

Pentair now offers the Aurora 3800 Series End Suction and the 410 Series Split Case Pumps for commercial pools, spas, and other water applications. The 3800 and 410 Series are available in horizontal and vertical configurations in horsepower's to 150 and flows to 8,000 GPM.

Ordering Information

Product	Description	Carton Wt. (Lbs.)
AURORA PUMP ACCESSORIES FLANGE ASSEMBLY KITS		
357259	Flange 2-1/2 in. w/ gasket and SS hardware ¹	16
357260	Flange 5 in. w/ gasket and SS hardware ¹	22
357261	Flange 3 in. w/ gasket and SS hardware ¹	18
357262	Flange 4 in. w/ gasket and SS hardware ¹	20
357263	Flange 6 in. w/ gasket and SS hardware ¹	23

¹ Thermoplastic PVC socket style.

BERKELEY® B-SERIES

CENTRIFUGAL COMMERCIAL PUMPS



Berkeley B-Series

Featured Highlights

Where a large volume of water is needed, in flooded suction applications, Berkeley brand pumps can accommodate almost any water-moving needs. Berkeley brand pumps have been one of the top names in the water systems for decades. Once recognized for only being affiliated with irrigation and water systems, Berkeley pumps are now available in many configurations to be used in the following applications:

- Water features
- Water parks
- Aquaculture
- Commercial pools and spas

The pumps included in the chart below show just a small sampling of the many pump sizes and designs that are available. In addition, we offer a wide range of gpm/head configurations; 1200, 1750, or 3450 rpm motors; 50 or 60 Hz; optional highefficiency motors; voltage, horsepower, and service factor options; lead-free bronze impellers; flange or threaded connection in many sizes; and packing or mechanical shaft seal design pumps. Flooded suction required. For a complete selection guide to help you size the pump(s) that best fit your needs, call our customer service at 1-800-831-7133, or use the convenient Berkeley Electronic Catalog (BEC) located at www.berkeleypumps.com.

- Berkeley pumps are not NSF approved.

Ordering Information

CALL FOR QUOTE

Product	General Pump Design Model	HP	Best Operating Performance G.P.M.	Connection at X ft. of Head	RPM	Flange (inches)
BERKELEY B-SERIES PUMPS						
B71943S	B3ZPMS	5 HP	350	40	1800	3 x 4
B71945S	B3ZPMS	7.5 HP	400	53	1800	3 x 4
B71947S	B3ZPMS	10 HP	500	60	1800	3 x 4
B71949S	B3ZPMS	15 HP	600	63	1800	3 x 4
B75861	B4GPBHS	30 HP	1100	85	1800	4 x 6
B74945	B6JPBMS	40 HP	1500	80	1800	6 x 8
B76786	B8GPBMS	50 HP	2700	50	1800	8 x 10

Options: The above pumps have silicon bronze impellers, flanged connections, close-coupled, open drip-proof motors, and mechanical shaft seals. As mentioned in the text at the top of the page, many options are available. Please call our Customer Service at 800- 831-7133 or try using the convenient "BEC" system at www.berkeleypumps.com.

HYDROBOOST™ BOOSTER PUMP

PRESSURE-SIDE CLEANER PUMP

Featured Highlights

- Totally Enclosed Fan Cooled (TEFC) Motor to help reduce the chance of motor burnout
- Certified by ENERGY STAR®
- Quick installation
- Reliable operation
- THP: 0.8 WEF: 0.62

TRADEGRADE

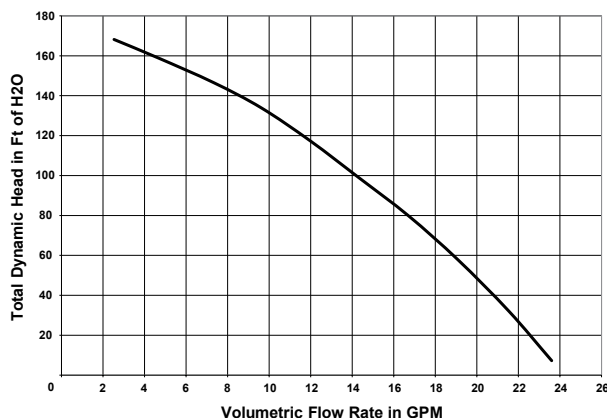


HydroBoost Booster Pump

The HydroBoost™ Booster Pump provides high pressure water to your pressure side automatic pool cleaner. This booster pump is NOT self-priming and should not run unless the filter pump is running.

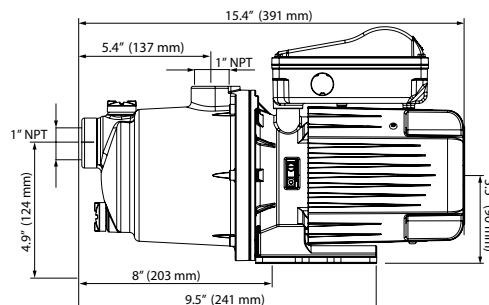
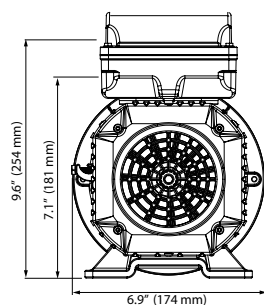
Ordering Information

Product	Voltage	Full Load Amps	THP	WEF	Primary Listings and Certifications ²	Port Size (NPT)	Carton Wt. (Lbs.)
HYDROBOOST BOOSTER PUMP							
360526	115/230	9.0/4.5	0.8	0.62	UL ¹	1"	29.18
ACCESSORIES							
353040	Hose Kit (includes 3/4" - 1" Adapters [2]; 6 ft. Hose [1])						



¹ 'UL' indicates that pump bears a specific UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool and Spa Pumps and to Canadian Standards CAN/CSA C22.2 No. 108-01 Liquid Pumps For Swimming Pools And Spas. (Enclosure 3).

² Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.



BOOSTER PUMP

PRESSURE-SIDE CLEANER PUMP



Booster Pump

Featured Highlights

- Use with all pressure-side pool cleaners
- Hose and adapters included
- Ideal for pressure-side Booster pump replacement

Combines ultimate performance with efficiency for pressure-side pool cleaner ease. The 3/4 HP booster pump is made from durable, corrosion-proof materials, and provides 50 psi at 12 GPM.

Hose and adapters included



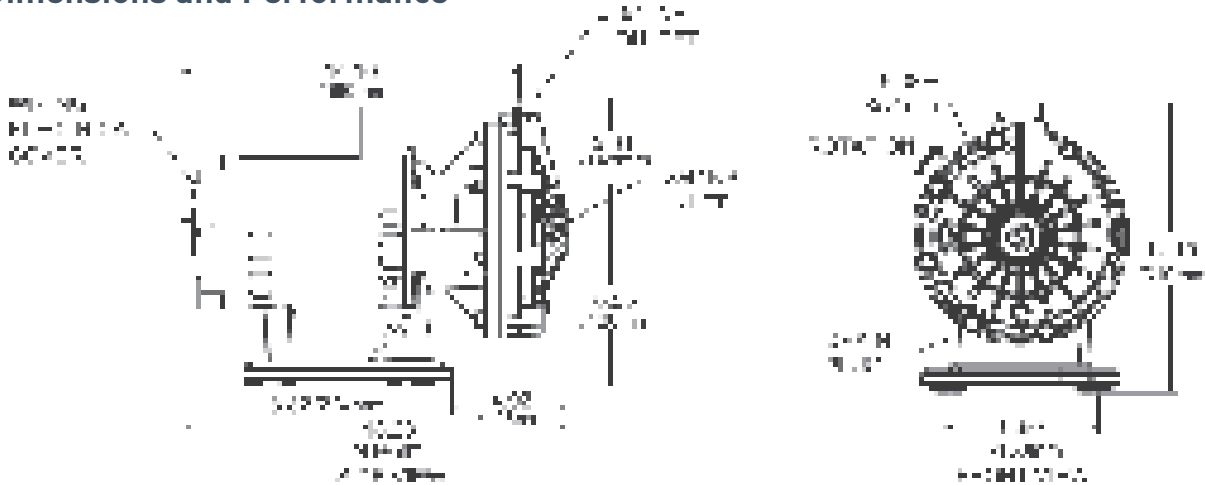
Ordering Information

Product	Voltage	Full Load Amps	HP	SF	SFHP	Primary Listings and Certifications ²	Port Size (NPT)	Carton Wt. (Lbs.)
ENERGY EFFICIENT SINGLE SPEED								
LA01N	115/230	13.0/6.5	3/4	1.50	1.13	UL ¹	3/4 in. x 3/4 in.	32
ACCESSORIES								
353020	Booster Pump Hose Kit							4
370239	Booster Pump Adapter Kit (4 hose adapters in a bag, no hose)							

¹ 'UL[2]' indicates that pump bears a UL mark signifying evaluation to U.S. Standards UL1081 for Permanently Connected Swimming Pool Pumps Only.

² Product may have been evaluated to other state and local regulatory standards. Listing status may change. Always confirm status with appropriate agency if in doubt.

Dimensions and Performance



PCD-1000 SUBMERSIBLE PUMP

STAINLESS STEEL SUBMERSIBLE POOL SERVICE PUMP

Featured Highlights

- 115V, 60 Hz single phase, permanent split capacitor motor
- Automatic thermal overload protection
- Clog-resistant cast stainless steel impeller
- Accommodates water temperatures ranging from 32 degrees F to 130 degrees F
- Permanently lubricated ball bearings
- Equipped with 15-foot, 18/3 grounding type power cord
- Convenient top-mounted handle
- Rubber feet to eliminate scratching
- Optional float switch included

Adaptors included:

- 1-1/4 in. Female NPT Elbow
- 1-1/4 in. Male NPT to 1-1/2 in. Female NPT Adaptor



Optional
Float Switch
Included



Submersible Pool
Service Pump

The PCD-1000 submersible, portable, high capacity pump designed for use by the professional in draining pools and spas as well as for general purpose applications, now has improved flow rates, and stainless steel casing, suction strainer, impeller and shaft for greater corrosion resistance and longer service life.

The PCD-1000 can pump water down to 1-3/8 inches in depth. Debris and stones up to 3/4 inch are able to pass through the pump. It also features a 1-1/4 inch discharge port for faster draining. Discharge port adapters are included. Optional float switch included; switch stops pump when low water level reached. Remove float switch for constant run.

Ordering Information

Product	Description	Voltage	Full Load Amps	HP	Carton Wt. (Lbs.)
STAINLESS STEEL SUBMERSIBLE WITH BRASS BASE					
▶ PCD-1000	Submersible Utility Pump	115	6.4	3/4	15
ACCESSORIES					
ZBR46760	Replacement Float Switch				

Dimensions and Performance

Model	HP	Motor Full Load (Amps)	RPM	Minimum Circuit Req.	Liquid Temperature Range	Switch Setting		Pumps Down To
						On	Off	
PCD-1000	¾	6.4	3450	15 amps	32/130°F 0/54°C	12" 30 cm	6" 15.2 cm	1⅜" 3.5 cm

Pump Performance TDH/GPM						Shut Off Head
TDH	5'	10'	15'	20'	25'	28
GPM	55	45.5	36.5	25	8.5	N/A

PARTS-PAKS™ AND ACCESSORIES

POINT-OF-SALE, STOCK ROOM, SERVICE VEHICLE

OVERHAUL KITS – Attractive, clamshell packaging contains recommended parts for seal/gasket servicing or complete overhaul of most swimming pool/spa pumps. Eliminate the need for large parts inventories, protect parts from damage, and reduce paperwork.

Ordering Information

Pump Model by HP				
Product	PE, P2R	PEA, P2RA	PR	PRA
SEAL/GASKET KITS – Include shaft seal, gaskets, and O-rings				
PP1010	1/3	1/3, 1/2		1/2
PP1011	1/2	3/4	1/2	3/4
PP1012			3/4	1
PP1014	3/4	1		
PP1016	1	1-1/2		
PP1017	2	2-1/2	2	2-1/2
PP1018	1-1/2	2		
PP1019	3			



Pump Model by HP			
Product	CH, LT, L1	LHA, LTA, L1A	PCD
SEAL/GASKET KITS – Include shaft seal, gaskets, and O-rings			
PP1080	1/6		
PP1081	1/3	1/2	
PP1082	1/2	3/4	
PP1682			1/2

Pump Model by HP			
Product	P4E, P4R	P4EA, P4RA	MPRA, MPEA
SEAL/GASKET KITS – Include shaft seal, gaskets, and O-rings			
PP4010	3/4	1	
PP4011	1	1-1/2	
PP4012	1-1/2	2	
PP4013	2	2-1/2	
PP4014	3		
PP3010			3/4
PP3011			1
PP3012			1-1/2
PP3013			2

Product	Description	Carton Wt. (Lbs.)
SEAL/GASKET KITS – Include shaft seal, gaskets, and O-rings		
PP1075	LH, LHA, LT, LTA, L1, L1A - All HP	
PP3000	MPRA, MPEA - All HP	
PP1000	PE, PEA, PR, PRA, P2R, P2RA (models with copper insert pre-1998) - All HP	
PP4000	P4E, P4EA, P4R, P4RA (models with copper insert pre-1998) - All HP	
PP1200	PE, PEA, P2R, P2RA (models without copper insert beginning 1998) - All HP	
PP4200	P4E, P4EA, P4R, P4RA (models without copper insert beginning 1998) - All HP	
TRAP LID KITS – Include trap lid and trap lid o-ring		
PP2075	PE, PEA, PR, PRA, P2R, P2RA (with 5 in. trap – standard) - ALL HP	
PP4075	P4E, P4EA, P4R, P4RA, MPR, MPE (with 6 in. trap – standard) - ALL HP	
PUMP CONNECTOR UNION HALF (WILL NOT FIT DJ OR TP SERIES PUMPS)		
PKG 188Z	2 in. Union x 2 in. Slip, 2 per Pkg.	1
PKG 189	2 in. Union x 2 in. FPT, 2 per Pkg.	1
77703-0100	2 in. Union x 1-1/2 in. FPT, 2 per Pkg.	1
77703-0101	2 in. Union x 1-1/2 in. Slip, 2 per Pkg.	1
PUMP BASE NOISE REDUCER		
17350-0008	Rubber Pump Base Pad for MPR, P4R, P4E, TPR, TPE Models	1
SEAL KIT - CHEMICAL/SALT/OZONE RESISTANT EPDM & SS SEALS		
356196	Seal Quick Kit Max-E-Pro / IntelliPro and VS Pumps Chemical/Salt/Ozone Resistant EPDM & SS	1
356197	Seal Quick Kit SuperFlo /SuperMax and VS Pumps Chemical/Salt/Ozone Resistant EPDM & SS	
356198	Seal Quick Kit WhisperFlo/IntelliFlo and VS Pumps Chemical/Salt/Ozone Resistant EPDM & SS	
356199	Seal Quick Kit Challenger Pumps Chemical/Salt/Ozone Resistant EPDM & SS	

HAIR AND LINT STRAINER PACKAGES



Ordering Information

Product	Description	Suction Port Size	Carton Wt. (Lbs.)
HAIR AND LINT STRAINER PACKAGES			
PKG 115	5 in. Trap with Basket (For Dura-Glas, Max-E-Glas and JWP Pumps)	1-1/2 in. NPT	5
PKG 51	6 in. Cast Iron Trap with Basket (For C, CC, and D Series Pumps)	2 in. NPT	20
PKG 56	6 in. Bronze Trap with Basket (For C, CC, and D Series Pumps)	2 in. NPT	20
PKG 98	8 in. Cast Iron Trap with Basket (For C, CC, and D Series Pumps)	3 in. NPT	40
PKG 76	Cast Iron Flange for Remote Trap Install	3 in. NPT	4
PKG 161	6 in. PPO Resin Strainer (For P2R, PE Series, Dura-Glas and Max-E-Glas Pumps)	2 in. NPT	6
PKG 184	CSP Series Hair and Lint Strainer (1100 cu. in. capacity)	6 in. ANSI Flange	180
PKG 184C	CCSP Series Hair and Lint Strainer – Coated (1100 cu. in. capacity)	6 in. ANSI Flange	180
PKG 73	3 in. Suction Flange (For C, CC, and D Series Pumps)		
PKG 72	2.5 in. Suction Flange (For C, CC, and D Series Pumps)		
PKG 52	1.5 in. Suction Flange (For C, CC, and D Series Pumps)		
PKG 53	1.5 in. Suction Flange (For C, CC, and D Series Pumps)		

Dimensions and Performance



PKG 76



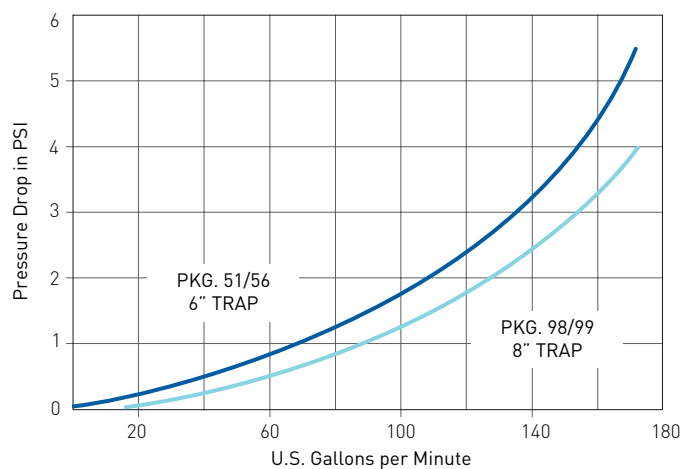
PKG 98 - 8 in.



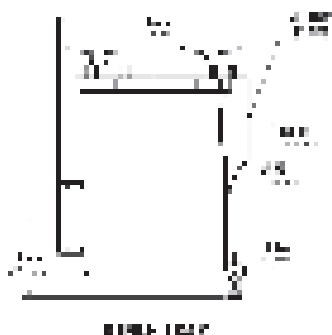
PKG 184 - 8 in.



PKG 51 - 5 in. OR 6 in.



PKG 98/99 - 8 INCH TRAP



PKG 184/184C



PKG 51/56 - 6 INCH TRAP



PS SERIES™ IN-LINE STRAINER

FOR COMMERCIAL SERIES PUMPS



PS Series In-Line Strainer

Featured Highlights

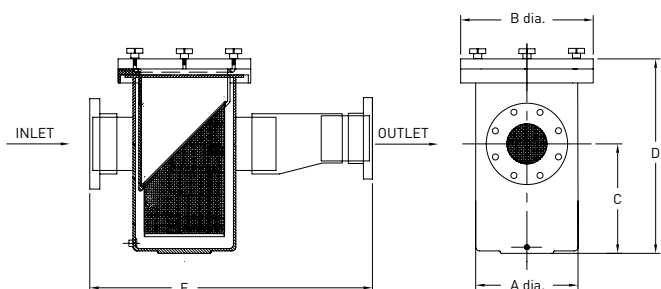
- Designed for hydraulic performance
- Clear lid with easy access allows for simple visibility of debris
- Extra large stainless steel strainer basket
- 50 psi rating
- NSF listed

The Commercial PS Series In-Line Strainers from Pentair are designed for ease of installation and hydraulic efficiencies in commercial aquatics applications. In three standard sizes and with the addition of eccentric reducers PS Series strainers fit with almost any plumbing configuration. The design of the PS Series accommodates the high-flow performance in a variety of applications. ANSI flange bolt pattern allows for ease of installation and peace of mind.

Ordering Information

Product	Description	Flange Size		Typical Max. Flow	A	B	C	D	E
		Inlet (suction)	Outlet (pump)	(GPM)	(Inches)	(Inches)	(Inches)	(Inches)	(Inches)
PS SERIES 6 INCH SUCTION									
PS6X6	Straight	6 in.	6 in.	540	12-3/4	16-1/2	13-5/8	25-1/2	23-5/8
PS6X5E	Eccentric Reducing	6 in.	5 in.	540	12-3/4	16-1/2	13-5/8	25-1/2	35-1/4
PS6x4E	Eccentric Reducing	6 in.	4 in.	540	12-3/4	16-1/2	13-5/8	25-1/2	32-7/8
PS6X3E	Eccentric Reducing	6 in.	3 in.	540	12-3/4	16-1/2	13-5/8	25-1/2	38
PS SERIES 8 INCH SUCTION									
PS8X8	Straight	8 in.	8 in.	930	12-3/4	16-1/2	13-5/8	25-1/2	23-3/8
PS8X6E	Eccentric Reducing	8 in.	6 in.	930	12-3/4	16-1/2	13-5/8	25-1/2	35-7/8
PS8X5E	Eccentric Reducing	8 in.	5 in.	930	12-3/4	16-1/2	13-5/8	25-1/2	43-1/2
PS8X4E	Eccentric Reducing	8 in.	4 in.	930	12-3/4	16-1/2	13-5/8	25-1/2	41-1/4
PS SERIES 10 INCH SUCTION									
PS10X10	Straight	10 in.	10 in.	1470	12-3/4	16-1/2	20-5/8	32-1/2	24-1/2
PS10X8E	Eccentric Reducing	10 in.	8 in.	1470	12-3/4	16-1/2	20-5/8	32-1/2	38-3/4
PS10X6E	Eccentric Reducing	10 in.	6 in.	1470	12-3/4	16-1/2	20-5/8	32-1/2	47
PS10X5E	Eccentric Reducing	10 in.	5 in.	1470	12-3/4	16-1/2	20-5/8	32-1/2	54-1/2
BASKETS									
67150	PS6 and PS8 Basket								
67152	PS10 Basket								

Dimensions and Performance



1. Select inlet size based on size of suction pipe. Use chart above to determine Typical Max. Flow in pipe size based on flow velocity of 6 fps.
2. Select strainer outlet size to match pump inlet where practical.
3. Also available with custom flange sizes. Call factory for more information.

CONVERSION REFERENCE CHARTS

**1 U.S. Gallon/Minute = 0.22712470704
Cubic Meter/Hour**

**1 U.S. Gallon/Minute = 0.83267418463
UK Gallon/Minute**

**1 Foot of Water/Head = 0.30487804878
Meter of Water/Head**

**1 Foot of Water/Head = 0.43352750193
Pound/Square Inch**

Pressure to Head Conversion

Feet of Water	Meters of Water	PSI
10	3.05	4.34
20	6.10	8.67
30	9.15	13.01
40	12.20	17.34
50	15.24	21.68
60	18.29	26.01
70	21.34	30.35
80	24.39	34.68
90	27.44	39.02
100	30.49	43.35
110	33.54	47.69
120	36.59	52.02
130	39.63	56.36
140	42.68	60.69
150	45.73	65.03

Volumetric Flow Rate Conversion

US Gallons per Minute	Cubic Meters per Hour	British Gallons per Minute
10	2.27	8.33
20	4.54	16.65
30	6.81	24.98
40	9.09	33.31
50	11.36	41.64
60	13.63	49.96
70	15.90	58.29
80	18.17	66.62
90	20.44	74.94
100	22.71	83.27
110	24.98	91.60
120	27.26	99.92
130	29.53	108.25
140	31.80	116.58
150	34.07	124.91
160	36.34	133.23
170	38.61	141.56
180	40.88	149.89
190	43.15	158.21
200	45.43	166.54
210	47.70	174.87
220	49.97	183.19
230	52.24	191.52
240	54.51	199.85
250	56.78	208.18
260	59.05	216.50
270	61.32	224.83
280	63.60	233.16
290	65.87	241.48
300	68.14	249.81
310	70.41	258.14
320	72.68	266.46
330	74.95	274.79
340	77.22	283.12
350	79.49	291.45
360	81.77	299.77
370	84.04	308.10
380	86.31	316.43
390	88.58	324.75
400	90.85	333.08

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SANITIZERS



iCHLOR®

SALT CHLORINE GENERATOR

TRADEGRADE

iChlor Salt Chlorine
Generator Cell



The chemistry behind the iChlor Salt Chlorine Generator makes it so simple to use—just add salt to generate the chlorine your pool needs. Our smart technology provides built-in intelligence for unmatched convenience and control.

Featured Highlights

- Ability to operate at low flow rates (20 GPM)
- Adjust levels in one-percent increments from 1–100%
- Real-time data for fast and easy monitoring
- Electronics are isolated in the cell away from high-heat components —for long electronic component life
- SmartSense™ Flow Detection*, assesses status of the IntelliFlo® Pump before generating chlorine
- SmartSense Cover Detection*¹, reduces chlorine output when automatic pool cover is closed
- Choose from two model sizes based on pool capacity in gallons
- Indoor/Outdoor, vertical/horizontal installation
- 115/230V 50/60Hz Power Center
- EPA number 102540-CA-2

Ordering Information

Product	Description	Chlorine Per 24 Hours	Carton Qty.	Carton Wt. (Lbs.)
iCHLOR SALT CHLORINE GENERATOR FOR UNITED STATES				
523009	LoriChlor 30 Cell Only-Retail	1.0 Lbs	1	6
523010	iChlor 15 Cell Only-Retail	0.6 Lbs	1	6
523080	iChlor 15 PWR PCK 110-Bundle	0.6 Lbs	2	11
523081	iChlor 30 PWR CTR Bundle	1.0 Lbs	2	20
iCHLOR SALT CHLORINE GENERATOR FOR CANADA				
523108	iChlor 30 Cell Only-Canada	1.0 Lbs	1	6
523109	iChlor 15 PWR PCK Bundle-Canada	0.6 Lbs	2	11
iCHLOR SALT CHLORINE GENERATOR ACCESSORIES				
523100	Kit-Flow Switch-iChlor Replacement		1	1
523101	Kit-iChlor Adaptor (makes iChlor a direct drop in for IntelliChlor)		1	2
523102	Kit-iChlor Spacer (replaces cell allowing hydraulic system to run)		1	2
523103	Kit-Acid Wash - Stand		1	2
523104	Kit-iChlor 180 Degree Face Label		1	.25
iCHLOR SALT CHLORINE GENERATOR COVER KIT				
523216	Kit- PCBA Upgrade - PC100 - Cover Kit		1	1
ACCESSORIES				
522680Z	iChlor Clear Lid Replacement		1	1

*Only available on iChlor 30 (1.0) models

¹ Requires separately purchased iChlor Cover Kit. Please refer to your pool cover manufacturer for additional instructions.

† "Sanitizer" is an industry term of art and is not intended to imply any antimicrobial capabilities

INTELLICHOR®

SALT CHLORINE GENERATOR

Featured Highlights

- Full diagnostic capabilities, including cell life tracking that communicates remaining hours of cell life in real-time. Captures all performance data daily (production settings, hours of operation, chlorine output, cell cleaning cycles, salt readings, and water temperature averages).
- Automatic shut-off feature prolongs cell life under low water temperature conditions
- Ability to communicate with all Pentair Automation systems
- 110 VAC or 220 VAC wiring (110 VAC only for IC15)
- Include 2 in. unions (IC15 unions adapt to 1 ½ in.)
- UL Listed
- Certified to NSF/ANSI 50
- Health Canada approved
- EPA number 102540-CA-2



IntelliChlor Salt Chlorine Generator Cell

IntelliChlor Salt Chlorinator uses common table salt to produce all the chlorine a pool needs, effectively, and automatically. No need for customers to buy, transport and store chlorine compounds.

IntelliChlor Salt Chlorine Generator Power Center is designated **TRADEGRADE**

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
INTELLICHOR SALT CHLORINE GENERATOR FOR UNITED STATES			
520888	IntelliChlor IC15 Cell for Smaller Pools (US Version) - includes External Power Supply		
521171	IntelliChlor Replacement External Power Supply for IC15		
520554	IntelliChlor IC20 Cell (US Version)	1	7
520555	IntelliChlor IC40 Cell (US Version)	1	14
521105	IntelliChlor IC60 Cell (US Version)	1	16
520556	IntelliChlor Power Center (US Version)	1	13
INTELLICHOR SALT CHLORINE GENERATOR FOR CANADA			
522109	IntelliChlor IC15 (Canadian Version)	1	9
520911	IntelliChlor IC20 Cell (Canadian Version)	1	7
520912	IntelliChlor IC40 Cell (Canadian Version)	1	14
520910	IntelliChlor Power Center (Canadian Version)	1	14
INTELLICHOR SALT CHLORINE GENERATOR ACCESSORIES			
520588	IntelliChlor pass-through cell for winter or start-up	1	3
520595	IntelliChlor replacement unions (contains 2 O-rings, 2 couplers, 2 nuts)	1	1
523103	Kit Acid Wash - Stand	1	2
520734	15 foot extension power cord	1	1
520736	IntelliChlor Flow Switch replacement kit	1	1
521147	IntelliChlor Orings - Pack of Ten	1	1
521248Z	IntelliChlor Power Center fuse holder replacement w/fuse 10A 250V	1	1
521034Z	IntelliChlor Power Center PC100 surge board replacement	1	1
521377	IntelliChlor canister with controller	1	18
521495	IntelliChlor IC15 Replacement Reducer Unions - 2 in. to 1-1/2 in. (contains 2 O-rings, 2 couplers, 2 nuts)	1	1
521633	IntelliChlor Debris Cross Guard - Pack of 5	1	1
522745	IntelliChlor Power Center automotive style fuse replacement (10A/ 58V Mini-blade)	5	1

†"Sanitizer" is an industry term of art and is not intended to imply any antimicrobial capabilities.

PNR-ECO SALT WATER CHLORINATOR



PNR-CHLOR SALT CHLORINATOR

Featured Highlights

- 5000 hours cell life
- Manual regulation of chlorine
- Automatic indicators of low salt and excess salt
- Cleaning cycles can be changed
- Able to work with seawater, up to 35000ppm
- Switch mode power supply. Able to work with 50Hz/60Hz. Low energy consumption
- IP65 control panel
- Optional: water flow sensor
- CE certified

Saline electrolysis is a reversible process, meaning that once active elements react with organisms present in the water, it reverts to common salt and water.

The equipment includes an electronic monitoring and regulation control and an electrolysis cell through which the pool water flows and which is installed in the filtration circuit.

Ordering Information

Product	Description	Cl output (g/h)	Supply voltage (VAC)	Max Power (W)	Carton dimension (mm)	Product weight (kg)
PNR-ECO®SALT WATER CHLORINATOR						
PNR-ECO-10	PNR-ECO-10 SALT CHLORINATOR 10G/H	10	230	75	460 X 430 X 220	6
PNR-ECO-15	PNR-ECO-15 SALT CHLORINATOR 15G/H	15	230	112.5	460 X 430 X 220	6
PNR-ECO-20	PNR-ECO-20 SALT CHLORINATOR 20G/H	20	230	150	460 X 430 X 220	6
PNR-ECO-25	PNR-ECO-25 SALT CHLORINATOR 25G/H	25	230	187.5	460 X 430 X 220	6
PNR-ECO-35	PNR-ECO-35 SALT CHLORINATOR 35G/H	35	230	263	460 X 430 X 220	6

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PNR-CHLOR

SALT WATER CHLORINATOR

Featured Highlights

- 10,000 hours cell life
- Manual and automatic regulation of chlorine
- Indicators of ORP and pH values with the optional kits
- Indicators of FREE Chlorine and pH values with optional kits
- Automatic indicators of low salt and excess salt
- Cleaning cycles can be changed
- Able to work with seawater, up to 35000ppm
- Switch mode power supply. Able to work with 50Hz/60Hz. Low energy consumption
- IP65 control panel
- Optional: pH probe, ORP probe, temperature probe, chlorine probe and water flow sensor
- CE certified



PNR-CHLOR SALT CHLORINATOR

Saline electrolysis is a reversible process, meaning that once active elements react with organisms present in the water, it reverts to common salt and water.

The equipment includes an electronic monitoring and regulation control and an electrolysis cell through which the pool water flows and which is installed in the filtration circuit.

Ordering Information

Product	Description	Cl output (g/h)	Supply voltage (VAC)	Max Power (W)	Carton dimension (mm)	Product weight (kg)
PNR-CHLOR® SALT WATER CHLORINATOR						
PNR-CHLOR-10	PNR-CHLOR-10 SALT CHLORINATOR 10G/H	10	230	75	460 X 430 X 220	6
PNR-CHLOR-15	PNR-CHLOR-15 SALT CHLORINATOR 15G/H	15	230	112.5	460 X 430 X 220	6
PNR-CHLOR-20	PNR-CHLOR-20 SALT CHLORINATOR 20G/H	20	230	150	460 X 430 X 220	6
PNR-CHLOR-25	PNR-CHLOR-25 SALT CHLORINATOR 25G/H	25	230	187.5	460 X 430 X 220	6
PNR-CHLOR-35	PNR-CHLOR-35 SALT CHLORINATOR 35G/H	35	230	263	460 X 430 X 220	6

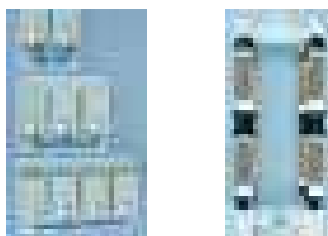
OPTIONAL ACCESSORIES	
PNR-PH-RES	KIT for domestic pool: pH probe w/ dosing pump 1.5L/h
PNR-PH-COM	KIT for public pool: pH probe, w/ dosing pump 4 L/h
PNR-PHORP-PANEL	KIT ORP: ORP probe w/ ORP buffer solution
PNR-CL	PANEL: pH& ORP probes, holder, pre-filter and dosing pump
PNR-CL-PANEL	PANEL w/ free chlorine probe, pre-filter
PNR-PHCL-PANEL	PANEL:pH& free chlorine probes, holder, pre-filter and dosing pump
PNR-FW-RES	Flow switch R1D for PNR-CHLOR
PNR-TEMP	Temperature probe and holder
PNR-EARTH	KIT for earth connexion
PNR-PMP-1.5	Peristaltic dosing pump 1.5L/H
PNR-PMP-4	Peristaltic dosing pump 4L/H

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COMMERCIAL INTELLICHLOR®

SALT CHLORINE GENERATOR

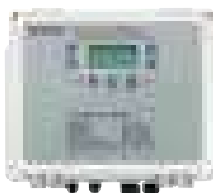
- Need 30 GPM per cell in manifold to trigger flow switch
- Power Centers are mounted on PVC boards and pre-wired for 220 VAC and ORP Controller



Possible Power Center
and Manifold Configurations

IntelliChlor Salt Chlorine Generator uses common table salt to produce all the chlorine a pool needs, effectively, and automatically.

Must use an external ORP Controller. We suggest IntelliChem Chemical Controller.



Featured Highlights

- Each single cell produces up to 2 lbs of chlorine per day
- Color LED status displays
- Performance data captured daily
- Automatic shut-off feature helps protect cell life
- Pre-mounted multi-power center configuration
- Must be used with an external ORP/pH Controller
- Self-cleaning
- Listed to UL 1563/CSA C22.2 No. 218-1
- Certified to NSF/ANSI 50
- EPA number 102540-CA-2

Ordering Information

Part Number	Description	Number Of Primary (P) And Secondary (S) IC60 Cells	Number Of Primary Power Centers (520978)	Number Of Secondary Power Centers (520556)	Chlorine Per 24 Hrs (Lbs.)	Pool Volume (Gal) ¹
COMMERCIAL INTELLICHLOR SALT CHLORINE GENERATOR						
520970	COMSYS-2	1P	1	0	2	10,000
520971	COMSYS-4	1P, 1S	1	1	4	20,000
520972	COMSYS-6	1P, 2S	1	2	6	30,000
520973	COMSYS-8	1P, 3S	1	3	8	40,000
520974	COMSYS-10	1P, 4S	1	4	10	50,000
520975	COMSYS-12	1P, 5S	1	5	12	60,000
520976	COMSYS-14	1P, 6S	1	6	14	70,000
520977	COMSYS-16	1P, 7S	1	7	16	80,000

¹ Commercial pools typically require 2 lbs. of chlorine production per every 10,000 gallons. Please consult your local codes for chlorine production requirements.

Note: COMSYS-System includes: Primary Cell, Secondary Cells, Primary Power Center, Secondary Power Centers, and the manifold.

* Call factory for sizing Commercial IntelliChlor systems for pools larger than 80,000 gallons.

COMMERCIAL INTELLICHLOR SALT CHLORINE GENERATOR FOR UNITED STATES		
521151	IntelliChlor CIC60P Replacement Primary Commercial Cell	1
521005	IntelliChlor CIC60S Replacement Secondary Commercial Cell	1
520978	IntelliChlor IC60P Replacement Primary Power Center	1
520556	IntelliChlor Replacement Secondary Power Center	1
P104-1	IntelliChlor Surge Board with ORP (Commercial)	1

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PNR-COM

COMMERCIAL SALT WATER CHLORINATOR

Featured Highlights

- Manual and automatic regulation of chlorine
- Indicators of ORP and pH values with the optional kits
- Indicators of FREE Chlorine and pH values with optional kits
- Automatic indicators of low salt and excess salt
- Cleaning cycles can be changed
- Able to work with seawater, up to 35000ppm
- Switch mode power supply. Able to work with 50Hz/60Hz.
- Low energy consumption
- Optional: pH probe, ORP probe, free chlorine probe, temperature probe and water flow sensor
- CE certified



Saline electrolysis is a reversible process, meaning that once active elements react with organisms present in the water, it reverts to common salt and water. The equipment includes an electronic monitoring and regulation control and an electrolysis cell through which the pool water flows and which is installed in the filtration circuit.

Ordering Information

Product	Description	Cl output (g/h)	Supply voltage (VAC)	Max Power (W)	Dimension (mm)	IP Rating
PNR-CHLOR® SALT WATER CHLORINATOR						
PNR-COM-50	PNR-COM-50 SALT CHLORINATOR 50G/H	50	230	270	280 X 250 X 135	IP 65
PNR-COM-70	PNR-COM-70 SALT CHLORINATOR 70G/H	70	230	380	280 X 250 X 135	IP 65
PNR-COM-100	PNR-COM-100 SALT CHLORINATOR 100G/H	100	230	550	280 X 250 X 135	IP 65
PNR-COM-150	PNR-COM-150 SALT CHLORINATOR 150G/H	150	230	850	280 X 250 X 135	IP 65
PNR-COM-200	PNR-COM-200 SALT CHLORINATOR 200G/H	200	230	1350	400 X 342 X 318	IP 65
PNR-COM-250	PNR-COM-250 SALT CHLORINATOR 250G/H	250	230	1750	740 X 400 X 310	IP 57
PNR-COM-400	PNR-COM-400 SALT CHLORINATOR 400G/H	400	230	2700	740 X 400 X 310	IP 57
PNR-COM-500	PNR-COM-500 SALT CHLORINATOR 500G/H	500	230	3500	740 X 400 X 310	IP 57
PNR-COM-600	PNR-COM-600 SALT CHLORINATOR 600G/H	600	230	4050	740 X 400 X 310	IP 57
PNR-COM-750	PNR-COM-750 SALT CHLORINATOR 750G/H	750	230	5250	740 X 400 X 310	IP 57
PNR-COM-1000	PNR-COM-1000 SALT CHLORINATOR 1000G/H	1000	230	7000	740 X 400 X 310	IP 57
OPTIONAL ACCESSORIES						
PNR-PH-RES	KIT for domestic pool: pH probe w/ dosing pump 1.5L/h					
PNR-PH-COM	KIT for public pool: pH probe, w/ dosing pump 4 L/h					
PNR-ORP	KIT ORP: ORP probe w/ ORP buffer solution					
PNR-PHORP-PANEL	PANEL: pH & ORP probes, holder, pre-filter and dosing pump					
PNR-CL	Free chlorine probe for PNR-CHLOR & PNR-COM					
PNR-CL-PANEL	PANEL w/ free chlorine probe, pre-filter					
PNR-PHCL-PANEL ¹	PANEL: pH & free chlorine probes, holder, pre-filter and dosing pump					
PNR-FW-COM	Flow switch for PNR-COM					
PNR-TEMP	Temperature probe and holder					
PNR-EARTH	KIT for earth connexion					
PNR-PMP-1.5	Peristaltic dosing pump 1.5L/H					
PNR-PMP-4	Peristaltic dosing pump 4L/H					

¹ Automatic mode on PNR-COM-250 to PNR-COM-1000 only work with PNR-PHCL-PANEL.

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BIOSHIELD®

UV SYSTEM

TRADEGRADE



NSF Recreational Water
CCS-18325



BioShield UV System is listed under NSF as a Water Conditioning Device.

Featured Highlights

System Features:

- Housing Material: Heavy-Wall UV Resistant High-Density Polymer
- Housing Pressure (Max.): 50 psi / 3.4 bar
- Housing Inlet/Outlet Port Size: 2", 2.5", or 3" Union
- UV Lamp(s): Low-Pressure
- High-Output, T6-style
- EPA number 091668-FL-001ged

BioShield UV system feature Low Pressure High Output (LPHO) lamps that offer approximately twice the UV output of standard Low Pressure (LP) lamps with the same arc length. UV vessels are built of a UV-resistant, high density polymer with a removable end cap to provide easy internal access. Viewing ports allow visual indication of lamp status. Units are made with a 5-3/4" diameter housing and have inlet/outlet ports fittings to accommodate 2", 2.5", and 3" plumbing. Ballast comes with a 10' cable to lamp, 6' power cord and 10' cable to flow switch. Flow switch comes with 10' cable. 115V and 230V units are available. Models include an in-line, sealed water-tight power supply for wet applications.

Ordering Information

MODEL	INPUT WATTS	UV-C OUTPUT WATTS	UV VESSEL DIMENSIONS	VOLTAGE	AMPS MAX LOAD	30 MJ/CM ² GPM/LPM	40 MJ/CM ² GPM/LPM	60 MJ/CM ² GPM/LPM
HIGH-OUTPUT								
522635	50	15	30" x 6"	115/230V	1.15/0.57	31/117	25/94	16/60
522636	80	27	45" x 6"	115/230V	1.15/0.57	56/211	45/170	30/113
522637	120	37	57" x 6"	115/230V	1.15/0.57	79/299	62/234	41/155
522638	150	57	71" X 6"	115/230V	1.85/0.85	128/448	100/378	64/242

PREVIOUS			CURRENT XF						
WATTS	SEAL KITS	BALLAST	SEAL KITS	BALLAST	FLOW SWITCH	4-PIN LAMP CONNECTOR	LAMP SPACER	LAMP	QUARTZ SLEEVE
HIGH-OUTPUT REPLACEMENT PARTS									
50	523031	523032	523383	523460	523458	523034	523423	523035	523039
80	523031	523032	523383	523460	523458	523034	523423	523036	523040
120	523031	523032	523383	523460	523458	523034	523423	523037	523041
150	523031	523033*	523383	523462	523458	523034	523423	523038	523042
150	523031	523053**			523458	523034	523423	523038	523042

* 115V Only

** 230V Only

ACCESSORIES

523098 Clamp Kit



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BIOSHIELD® PRO UV SYSTEM

Featured Highlights

- High quality and easy installation.
- Custom ballasts rated for indoor and outdoor use.
- Separate ballasts for installation versatility.
- Designed for use in small places and easy to hide.
- Flow switch turn-off at no flow, regardless of pressure.
- Easy drain for quick maintenance.
- Internal air bleed helps prevent trapped air in the top of the vessel.
- Automation ready.
- NSF certified; Pentair is the first to have NSF certification for a water conditioning device.
- Reduces combined chloramine by as much as 25%*.
- EPA number 091668-FL-001

BioShield Pro is the answer for a UV system that's effective, affordable and NSF certified. High in quality and oh-so-easy to install, BioShield Pro has the same benefits as our residential BioShield UV System, only in a commercial body.

TRADEGRADE



Bioshield Pro
UV System

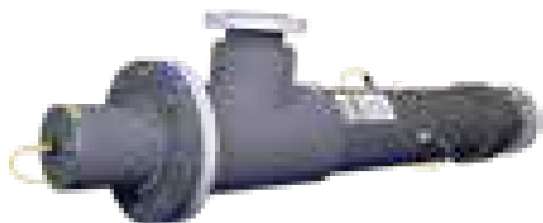
Ordering Information

Product	# Lamps	Flange	Voltage	Amps (max)	GPM @40mJ
BIOSHIELD PRO UV SYSTEM					
523575	2	4"	120/240V	2.30/1.14	136
523576	4	4"	120/240V	4.60/2.28	256
523577	4	6"	120/240V	4.60/2.28	360
523578	5	6"	120/240V	5.75/2.85	430
523579	5	8"	120/240V	5.75/2.85	550
523580	6	8"	120/240V	6.90/3.42	640

*Devices evaluated for a reduction in Combined Chlorine have demonstrated a 25% or 0.25 mg/L, whichever is greater, reduction during the test period as compared to the baseline period.

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COMMERCIAL BIOSHIELD® CLP UV SYSTEM



Certified to
NSF / ANSI Standard 60



Establishing a healthy swimming facility begins at the pool design stage. Pentair BioShield Commercial low pressure UV systems help to achieve a more enjoyable swimming experience.

Featured Highlights

- Efficient Low Pressure UV converts up to 30-40% energy into UV-C light
- UV inhibited Schedule 80 PVC vessels stand up to UV degradation and corrosion caused by pool water
- NSF certified with flow rates up to 2,335 GPM
- Quality, low-pressure Amalgam UV lamps
- UL 508 Listed
- Single-end UV lamp and quartz sleeve access for easy servicing
- Choice of input / output piping connections
- Enhanced, state of the art electronic ballast, sized precisely to the lamp's power requirement, ensures optimal UV-C output and maximum useful lamp life
- EPA number 091668-FL-001

Micro-Processor Standard Features

- Efficient Low Pressure UV converts up to 30-40% energy into UV-C light
- Touch Screen Interface
- Power Enclosure Over-Temp. Safety Shut-Down
- Vessel Over-Temp. Safety Shut-Down
- Individual Lamp Status and Re-settable Hour Meter
- Master System Hour Meter
- Output Alarm Relay
- UV Intensity Monitor
- Thermoplastic NEMA 12 Enclosure
- External Power Switch
- 20 Foot Lamp Cables
- Enclosure Cooling Fan



COMMERCIAL BIOSHIELD® CLP

UV SYSTEM

SIZING YOUR BIOSHIELD UV SYSTEM

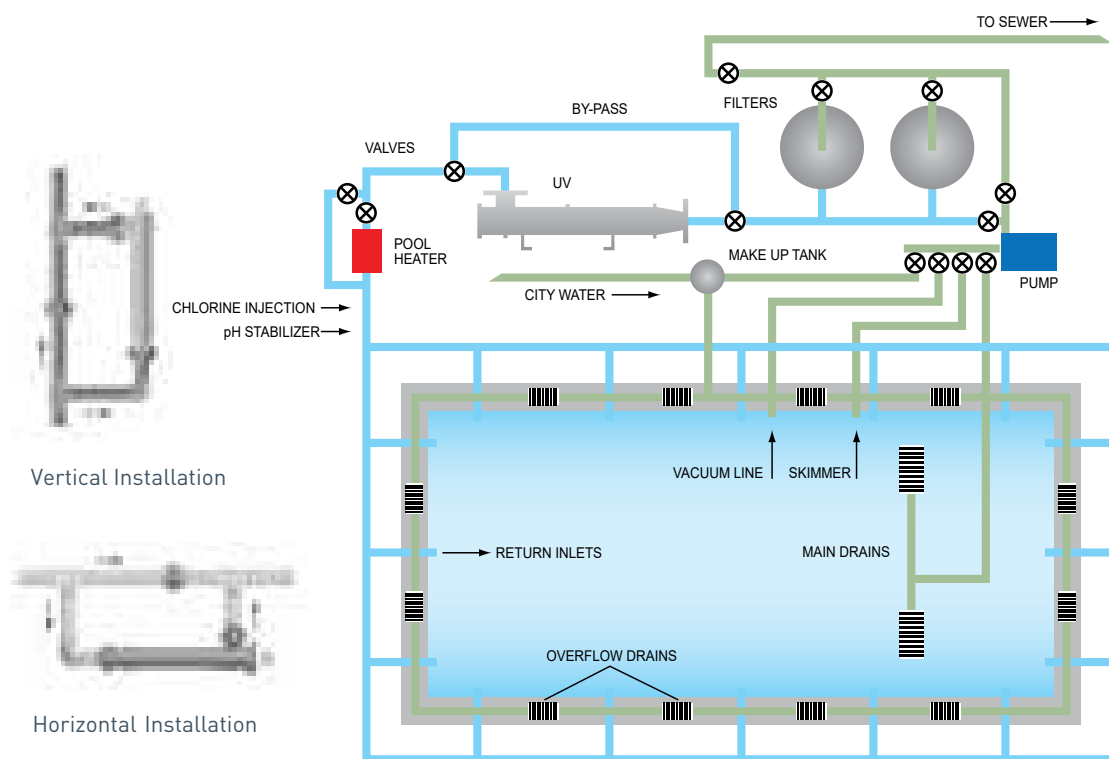
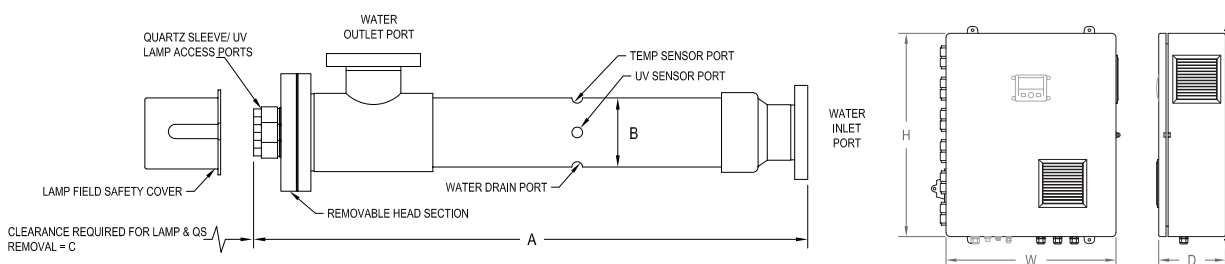
1. Establishing flow rate requirements in GPM is critical to selecting the correct UV system for your application.
2. Know your UVT and dose requirement. UVT is the measure of UV-C light transmittance (254nm) in water. Dose is a factor of UV light intensity and contact time.
3. Choose your BioShield UV system model. Select desired dose column below. Identify maximum flow rate that meets system flow rate requirement. Complete this step for model CLP4 or CLP6 and with provided vessel and power enclosure dimensions, choose the best model suited for the mechanical space. *Note max flow rate for desired port size on each model.

Model ¹	Lamps/ Watts	Max Flow Rate (GPM) 40 mJ/cm ²	Max Flow Rate (GPM) 60 mJ/cm ²	Port Size ¹	Max. Flow	Amps Max Load	UV Vessel Dimensions ² [A x B x C]	Power Enclosure Dimensions [H x W x D]	Max. PSI
ONLY AVAILABLE IN 120VAC									
CLP41A6-XN	1/130	62	42	2"	64	2.1/1.0	56" x 6"x 47"	24.6" x 20.2" x 10.6"	100
CLP42A6-XN	2/130	105	70	3"	144	3.9/2.0	56" x 6" x 47"	24.6" x 20.2" x 10.6"	100
CLP43A6-XN	3/130	152	101	3"	144	5.8/2.9	56" x 6" x 47"	24.6" x 20.2" x 10.6"	100
				4"	251				
CLP43A8-XN	3/130	225	150	4"	251	5.8/2.9	62" x 8" x 51"	24.6" x 20.2" x 10.6"	100
CLP44A8-XN	4/130	295	196	4"	251	7.5/3.7	62" x 8" x 51"	24.6" x 20.2" x 10.6"	100
				6"	569				
CLP45A8-XN	5/130	350	233	4"	251	9.4/4.7	62" x 8" x 51"	30.5" x 24.9" x 12.6"	100
CLP46A10-XN	6/130	500	334	6"	569				
CLP47A10-XN	7/130	585	390	6"	569	13.3/6.5	64" x 10" x 51"	30.5" x 24.9" x 12.6"	75
				8"	996				
CLP47A12-XN	7/130	700	467	6"	569	13.3/6.5	69" x 12" x 51"	30.5" x 24.9" x 12.6"	50
				8"	996				
CLP48A12-XN	8/130	790	525	6"	569	15.0/7.5	69" x 12" x 51"	30.5" x 24.9" x 12.6"	50
				8"	996				
ONLY AVAILABLE IN 240VAC									
CLP61A6-XN	1/320	185	123	3"	144	1.6	85" x 6" x 76"	24.6 " x 20.2" x 10.6"	100
				4"	251				
CLP62A6-XN	2/320	325	216	3"	144	3	85" x 6" x 76"	24.6 " x 20.2" x 10.6"	100
				4"	251				
CLP63A6-XN	3/320	465	310	3"	144	4.5	85" x 6" x 76"	24.6 " x 20.2" x 10.6"	100
				4"	251				
CLP63A8-XN	3/320	660	438	4"	251	4.5	85" x 6" x 76"	24.6 " x 20.2" x 10.6"	100
				6"	569				
CLP64A8-XN	4/320	850	566	4"	251	6	85" x 6" x 76"	24.6 " x 20.2" x 10.6"	100
				6"	569				
CLP65A8-XN	5/320	1020	678	6"	569	7.5	85" x 6" x 76"	30.5" x 24.1" x 12.6"	100
CLP66A10-XN	6/320	1470	979	6"	569	9	88" x10"x 76"	30.5" x 24.1" x 12.6"	75
				8"	996				
CLP67A10-XN	7/320	1730	1158	6"	569	11	88" x10"x 76"	30.5" x 24.1" x 12.6"	75
				8"	996				
CLP67A12-XN	7/320	2080	1385	8"	996	11	90" x 12" x 76"	30.5" x 24.1" x 12.6"	50
				10"	1567				
CLP68A12-XN	8/320	2350	1566	8"	996	13	90" x 12" x 76"	30.5" x 24.1" x 12.6"	50
				10"	1567				
CLP69A14-XN	9/320	2870	1912	12"	2218	14	92" x 14" x 76"	40.4" x 32.5" x 12.6"	50
CLP610A16-XN	10/320	3400	2267	12"	2218	16	94" x 16" x 76"	40.4" x 32.5" x 12.6"	50
				14"	2650				

¹ When ordering: Replace 'X' in part number with requested flange size; eg. '2' for two-inch flange.

² Vessel dimension "C" represents clearance requirement for glassware maintenance

COMMERCIAL BIOSHIELD® CLP UV SYSTEM



BioShield UV System Installation:

1. Position the BioShield UV System after the pool filters so it receives solids-free water.
2. The BioShield UV vessel is equipped with various sensor ports (UV intensity and Water Over-Temperature Protection Sensors). All sensor ports are clearly labeled on the vessel based on their respective function. Additionally, the vessel is equipped with a 1/2" threaded drain port for installation of the Drain Valve Assembly.
3. For horizontal or vertical piping installation, it is recommended to install a piping bypass manifold (as shown) which will allow for BioShield UV System removal from the filter-loop without disrupting water flow or filter operation. Isolation Valves are necessary for vessel removal and chemical cleaning procedure.
4. Always install BioShield UV System's with the outlet port facing upward, allowing trapped air to escape. Trapped air can result in rupture or heat damage to the vessel.
5. Provide enough space around the electrical end of the BioShield UV System to allow for easy removal of the UV lamp and quartz sleeves. A 46" clearance for CLP4 models and 76" clearance for CLP6 models is required.
6. Do not install or operate any UV system without thoroughly reading the operators manual.

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COMMERCIAL BIOSHIELD® CVP

UV SYSTEM

Featured Highlights

- Efficient Low Pressure UV converts up to 30-40% energy into UV-C light
- UV inhibited Schedule 80 PVC vessels stand up to UV degradation and corrosion caused by pool water
- NSF certified with flow rates up to 2,335 GPM
- Quality, low-pressure Amalgam UV lamps
- UL 508 Listed
- Single-end UV lamp and quartz sleeve access for easy servicing
- Choice of input / output piping connections
- Enhanced, state of the art electronic ballast, sized precisely to the lamp's power requirement, ensures optimal UV-C output and maximum useful lamp life
- EPA number 091668-FL-001



When operating space is restricted, our vertical BioShield UV Systems provide the small footprint you need. These vertical models feature single-end, top-loading quartz sleeve(s) to minimize space required and maximize serviceability. Each model is extremely durable and features a corrosion-resistant remote power supply enclosure and UV vessel. All models are designed to deliver optimum UV performance by utilizing the UV lamp's UV-C output to its maximum potential. BioShield UV Systems are water-tight and designed for indoor/outdoor use. Each model is equipped with a flanged base for easy installation. Unit can also be installed horizontally.

Ordering Information

Model (120 VAC)	Lamps/ Watts	Max Flow Rate (GPM) 40 mJ/cm ²	Max Flow Rate (GPM) 60 mJ/cm ²	Port Size	Max. Flow ²	Amps Max Load @ 120 VAC	UV Vessel Dimensions ¹ (A x B x C)	Power Enclosure Dimensions (H x W x D)	Max. PSI
522904	1/130	62	42	2"	64	2.1	56" x 6" x 47"	24.6" x 20.2" x 10.6"	50
522918	2/130	105	70	3"	144	3.9	56" x 6" x 47"	24.6" x 20.2" x 10.6"	50
522919	3/130	152	101	3"	144	5.8	56" x 6" x 47"	24.6" x 20.2" x 10.6"	50
522932				4"	251				
522920	3/130	225	150	4"	251	5.8	62" x 8" x 51"	24.6" x 20.2" x 10.6"	50
522921				4"	251				
522934				6"	569				
522922	5/130	350	233	4"	251	9.4	62" x 8" x 51"	30.5" x 24.9" x 12.6"	50
522935				6"	569				
522923	6/130	500	334	6"	569	11.2	64" x 10" x 51"	30.5" x 24.9" x 12.6"	50
522924	7/130	585	390	6"	569	13.3	64" x 10" x 51"	30.5" x 24.9" x 12.6"	50
522937				8"	996				
522912	7/130	700	467	6"	569	13.3	69" x 12" x 51"	30.5" x 24.9" x 12.6"	50
522925				8"	996				
522913	8/130	790	525	6"	569	15.0	69" x 12" x 51"	30.5" x 24.9" x 12.6"	50
522926				8"	996				

¹ Vessel dimension "C" represents clearance requirement for glassware maintenance

² When selecting a port size, be sure the system flow rate will never exceed "Max. Flow for Port Size"

†"Sanitizer" is an industry term of art and is not intended to imply any antimicrobial capabilities.

QUIKPURE3® OZONE SYSTEM

COMPLETE



QuikPure3 25,000 Gallon
(Stand Pipe)

Featured Highlights

- Convenient dual voltage design (110v or 220v) and plug-in UV bulb
- Available in 25,000- and 50,000-gallon capacity units
- EPA number 102540-AZ-1

Pentair’s QuikPure3 reduces cleaning maintenance resulting in reduced harsh chlorine smell, red eyes and itchy skin.*

Ordering Information

Product	Product Name & Description
381100	QuikPure3 25,000 Gallon (Stand Pipe)
381250	QuikPure3 50,000 Gallon (Stand Pipe)
383101	QuikPure3 25,000 Gallon (No Stand Pipe)
383201	QuikPure3 50,000 Gallon (No Stand Pipe)
381110	QuikPure3 25,000 Gallon (Stand Pipe) 6 Pack
381210	QuikPure3 50,000 Gallon (Stand Pipe) 6 Pack
383110	QuikPure3 25,000 Gallon (No Stand Pipe) 6 Pack
383220	QuikPure3 50,000 Gallon (No Stand Pipe) 6 Pack

*<https://www.cdc.gov/healthywater/swimming/swimmers/rwi/chemical-irritants.html>

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QUIKPURE3® OZONE SYSTEM®

PARTS & ACCESSORIES



QuikPure3 4-Pin Lamp
(1-25 Or 2-50)



QuikPure3 Ballast
(1-25 Or 2-50)



QuikPure3 Auto Feed Kit



QuikPure3 Micro Switch
Pin Plunger



QuikPure3 Orifice Check
Valve Assembly



QuikPure3 Air Bleed Kit



Ozone Injector Manifold
with Tubing Kit



Ozone Injector
Manifold Tubing Kit
with Check Valve

Ordering Information

Product	Product Name & Description
391270	QuikPure3 4-Pin Lamp (1-25 or 2-50)
391205	QuikPure3 Ballast (1-25 or 2-50)
391060	QuikPure3 Auto Feed Kit
391050	QuikPure3 Micro Switch Pin Plunger
391034	QuikPure3 Orifice Check Valve Assembly
391001	QuikPure3 Air Bleed Kit
391130	QuikPure2 Ballast 25 (Old Style)
391230	QuikPure2 Ballast 50 (Old Style)
399150	Ozone Injector Manifold with Tubing Kit
399180	Ozone Injector Manifold Tubing Kit with Check Valve

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APEX OZONE SYSTEM



Featured Highlights

- Compact, wall-mounted
- Automatic control
- Air cooled
- Backflow prevention
- Check valve assembly
- LED display
- Injector manifold
- Pressure Swing Absorption (PSA) air preparation system

We took our most popular ozonators and combined them with all the ancillary components that make up the perfect installation. The Apex series is designed to make ordering the properly sized and designed package as simple as possible.

Ordering Information

Pool Volume Gallons	Cubic Meter	QTY	Ozone System	Part Number	Management System	Water flow rate	Ozone Output	Diemension Inch/mm			Wt Lbs/Kg
								H	W	D	
RECOMMENDATION FOR POOL											
2,500 - 7,499	9.4 - 28 m³	1	Apex II	APX210	OMS05VD2	39-190 LPM	1.3GH @ 1%	19.5/495	11.5/292	5.0/127	14.5/6.6
7,500 - 10,999	28 - 41 m³	1	Apex III	APX310	OMS05VD2	39-190 LPM	2.6GH @ 1%	21.5/546	11.5/292	5.0/127	34.0/15.4
11,000 - 24,999	41 - 94 m³	1	Apex IV	APX415N	OMS40VD2	39-190 LPM	4GH @ 3%	19.0/483	9.0/229	5.0/127	9.5/4.3
25,000 - 39,999	94 - 151 m³	1	Apex VI	APX615N	OMS80VD2	39-190 LPM	8GH @ 3%	21.5/546	11.5/292	5.5/140	14.5/6.6
40,000 - 69,999	151 - 264 m³	1	Apex VII	APX715N	OMS120VD2	39-190 LPM	15GH @ 5.4%	21.0/533	10.2/259	9.8/249	32.0/14.5
70,000 - 124,999	264 - 473 m³	1	Apex VIII	APX815N	OMS240VD2	39-190 LPM	30GH @ 5.4%	21.0/533	15.8/401	9.8/249	44.0/20
125,000 - 250,000	473 - 946 m³	2	Apex VIII	APX815N	OMS240VD2	39-190 LPM	30GH @ 5.4%	21.0/533	15.8/401	9.8/249	44.0/20

¹ The Ozone System includes; ozone generator, air preparation system, controls, backflow prevention, and injection manifold (1.5 inch schedule 40 PVC, flow rate 39 to 190 LPM)

² The Ozone Management System includes; degas or contact vessel(s), degas vent(s), ozone destruct system. Degas vessels are 2 inch inlet/outlet. Contact vessels are 1.5 inch inlet/outlet.

³ Quantities listed are for both the Ozone System and OMS

⁴ Models Apex II to Apex VIII include 0-100% Ozone output control, 4-20mA control, volt-free remote interface

⁵ For larger pools contact for engineering assistance

Pool Volume		QTY	Ozone System	Part Number	Management System	Water flow rate	Ozone Output	Diemension Inch/mm			Wt Lbs/Kg
Gallons	Cubic Meter							H	W	D	
RECOMMENDATION FOR SPA											
0 - 499	0 - 1.9 m³	1	CD325	CD345	IM140-CKAU10	15-75 LPM		7.5/191	10/254	3.7/94	3/1.4
500 - 999	1.9 - 3.8 m³	1	CD550	CD570	IM140-CKAU10	15-75 LPM		7.5/191	10/254	3.7/94	4/1.8
1.9 - 3.8 m3	3.8 - 9.4 m³	1	Apex I	APX115		15-75 LPM	1GH @ 0.05%	33/825	8.5/216	3.5/89	25/11.3

¹ The Ozone System includes; ozone generator. Apex I includes ozone generator and injection manifold

² The Ozone Management System includes; injection manifold and check valve assembly

³ Quantities listed are for both the Ozone System and OMS (1 unit of IM140 & 1 unit of CKAU10)

⁴ CD325 and CD550 Ozone Injector Manifolds are 1 inch schedule 40 PVC, flow rate 4 to 20 GPM (15 to 75 LPM)

⁵ APEX I Ozone Injector Manifold is 1 inch schedule 40 PVC, flow rate 4 to 20 GPM (15 to 75 LPM)

⁶ Models: CD325 and CD550 include 0-100% Ozone output control

For larger pools contact for engineering assistance

QUIK DEKCLOR POOLSIDE CHLORINE FEEDER

COMPLETE

Featured Highlights

- Innovative design allows for easy adjustment to compensate for swimmer load and pool conditions
- Compatible with multiple chlorine tab sizes
- Includes internal locking safety lid
- Available in multiple lid colors



DekClor Dark Gray Complete

Delivering chlorine directly into your pool, Quik DekClor helps to prevent chemical wear and tear on your pump motor and filtering systems. The Quik DekClor has specially engineered inlets create an even water flow around chlorine tabs, which aids in the consistent disbursement of chemicals into the pool.

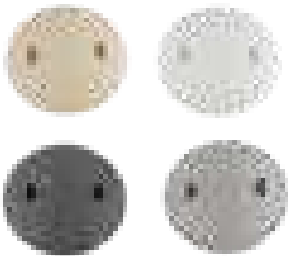
Ordering Information

Product	Product Name & Description
DEKCLOR WITHOUT PROTECTA	
383007	DekClor Tan Complete
383001	DekClor White Complete
383003	DekClor Dark Gray Complete
383002	DekClor Light Gray Complete
DEKCLOR WITH PROTECTA	
385007	DekClor Tan
385001	DekClor White
385003	DekClor Dark Gray
385002	DekClor Light Gray
DEKCLOR WITHOUT RING LID	
385012	DekClor without Ring Lid, with Protecta
383200	DekClor without Ring Lid, no Protecta

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DEKCLOR POOLSIDE CHLORINE FEEDER

PARTS & ACCESSORIES



DekClor Lid White, Tan, Dark Gray, & Light Gray



DekClor Start Up Kit



DekClor Start Up Kit with Safety Plate

Ordering Information

Product	Product Name & Description
DEKCLOR COMPONENTS	
542496	DekClor Lid White
542500	DekClor Lid Tan
542499	DekClor Lid Dark Gray
542498	DekClor Lid Light Gray
391800	DekClor Start Up Kit
391900	DekClor Safety Plate with Lock (Old Style)
391010	DekClor Start Up Kit with Safety Plate

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PENTAIR AUTOMATIC CHLORINE/BROMINE FEEDERS

Featured Highlights

- 300 and 320 series feeders available in clear amber for easy tablet level monitoring
- Completely enclosed system – no special venting required
- No escaping gases
- 50 PSI maximum operating pressure

In-Line Feeders

- **320 Series.** For permanent installation in return line of new or existing pools or spas. Installs in return line on pressure side of pump downstream of all equipment. Standard with 2 in. slip PVC fittings and adapters for 1-1/2 in.

Off-Line Feeders

- **300 Series.** Retrofits into existing pools or spas.
- Operates on pressure side of pump. Uses 1/4 in. feeder hoses, control valve and fittings.



Pentair Chlorine and Bromine Feeders

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
IN-LINE FEEDERS				
R171096 ¹	320	Holds 11 large or 98 small Bromine or slow dissolving Trichlor tablets. Treats 6,500 to 27,000 gallons bottom feed and 18,000 to 70,000 gallons top feed.	1	30
R171218 ¹	320C	Holds 11 large or 98 small Bromine or slow dissolving Trichlor tablets. Treats 6,500 to 27,000 gallons in a bottom feed configuration and 18,000 to 70,000 gallons in a top feed configuration with see-through amber body.	1	30
OFF-LINE FEEDERS				
R171016 ¹	300	Holds 11 large or 98 small tablets. Treats 12,000 to 48,000 gallons.	1	26
R171022 ¹	300C	Holds 11 large or 98 small tablets. Treats 12,000 to 48,000 gallons with see-through amber body.	1	26
R171026	302	Spa feeder. Includes spa chamber. Treats 500 to 2,000 gallons. Holds 15 small tablets.	1	28
R171056 ¹	300-19	Spa feeder includes double-capacity 19 in. chamber. Treats 13,000 to 52,000 gallons.	1	5
R171066 ¹	300-29	Spa feeder includes triple-capacity 29 in. chamber. Treats 14,000 to 57,000 gallons.	1	6
COMMERCIAL AND HIGH CAPACITY FEEDERS				
R171070 ¹	300-29X	Heavy duty 1/2 in. control valve and tubing optimizes flow. Dispenses 8.5 lbs. of 1 in. Trichlor Tablets in 24 hours. Holds 29 large or 237 small tablets. Treats 80,000 to 322,000 gallons.	1	8
R171215 ¹	HC-3315	High capacity for 1 in. hard plumbing installations. Holds 15 lbs. of tablets. Treats up to 20,200 gallons with Bromine and up to 97,600 gallons with Trichlor.	1	9
R171230 ¹	HC-3330	High capacity for 1 in. hard plumbing installations. Holds 30 lbs. of tablets. Treats up to 40,000 gallons with Bromine and up to 160,000 gallons with Trichlor.	1	12
R171240 ¹	HC-3340	High capacity for 1 in. hard plumbing installations. Holds 40 lbs. of tablets. Treats up to 61,000 gallons with Bromine and up to 332,000 gallons with Trichlor.	1	14

Note: Pentair Automatic Chlorine/Bromine feeders are for use with slow dissolving trichlor or bromine tablets only.

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AUTOMATIC FEEDER ACCESSORIES



In-line Check Valves & Flow Indicators

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
EXTENSIONS			
R172087	10 in. Extension doubles capacity	Bulk	
R172283	20 in. Extension triples capacity	Bulk	
FLOW INDICATING DEVICES			
R172080Z	Flow Indicating Device. Clear polycarbonate with indicating ball. Flow rate of 0 to 1 gpm. Designed for 1/4 in. inline pipe thread. Includes check valve.	Bulk	
R172082	Flow Rate Indicator. For high rate feeders with 1 in. feed lines.	Bulk	
R172276	Commercial Flow Indicator for use with 320, 322, 300-29X or feeders with 1/2 in. feed lines.	Bulk	
R172627	Corrosion Resistant Flow Indicator Kit. For new installations of 300-29X. Includes flow indicator. Saddle clamp, fittings and 1/2 in. corrosion resistant check valve.	Bulk	
CORROSION RESISTANT IN-LINE CHECK VALVES			
R172288	Check Valve 1-1/2 in. or 2 in. Slip, 2 lb. spring	Bulk	
R172323	Check Valve 1/4 in. tube x tube	Bulk	
R172324	Check Valve 1/2 in. tube x tube	Bulk	
R172324NS	Special check valve for outward flow on 300-29X below water installations. 1/2 in. tube x tube check valve (ball)	Bulk	
STANDARD IN-LINE CHECK VALVES/BY-PASS VALVES			
R172305	By-pass Valve (1-1/2 in. or 2 in.) 12 lb. spring, slip fittings	Bulk	
R172316	Check Valve (1-1/2 in. or 2 in.) 1/2 in. spring, slip fittings. Great for blowers.	Bulk	

Standard In-line Check Valves/By-pass Valves

Use where harsh chemical environment is not expected.

Silicone Lubricant

Excellent for use on rubber seals, gaskets, and o-rings in contact with plastics and metals where binding and corrosion occur.

Extensions

Optional extensions will increase tablet capacity to your 300 or 320 Series Chemical Feeder.

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
FEEDER KITS			
200013	300 & 320 Replacement Kit. Includes: saddle clamp, saddle gasket, and saddle tube fitting. Bubble pack	12	5
200014	300-29X Replacement Kit. Includes: saddle clamp, saddle gasket, and saddle tube fitting. Bubble pack.	12	5
SILICONE LUBRICANT			
R172036Z	3/4 ounce	Bulk	
R172351	3/4 ounce, in counterdisplay	30	3
TUBING AND MISCELLANEOUS PARTS			
200017	Compression nut for 300 Series. Bubble pack.	12	3
R171099	Hi-Flo Kit for 320 and 322. Allows greater dispensing rate. Includes 6 ft. of 1/2 in. i.d. tubing, 1/2 in. check valve and all fittings.	Bulk	
R172037	Spa Chamber for 300, 302, 320	Bulk	
R172093	5/8 in. o.d. x 1/2 in. i.d. Sold in roll.	100 ft. Roll	
R172258	Spa Chamber for 322	Bulk	
R172367	Winterizing or Isolation Plug. Attaches to control valve of 300, 302, 300-19 or 300-29	Bulk	
R18754	3/8 in. o.d. x 1/4 in. i.d. Sold in roll.	100 ft. Roll	



Silicone Lubricant



Feeder Extensions

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PENTAIR HIGH CAPACITY CHLORINE/BROMINE SIZING CHART

Model	Chamber Capacity				Maximum Erosion in 24 Hours ¹	Treats Pool/Spa Size			H	W	D	Service Clearance for Lid Removal
	1 in. Tablet		3 in. Tablet			@ 10 ppm	@ 5 ppm	@ 2-1/2 ppm				
	Qty.	Wt.	Qty.	Wt.								
AUTOMATIC CHLORINE/BROMINE SIZING CHART												
#300 ¹	98	3.5 lbs.	11	4.8 lbs.	1.19 lbs.	11,900	23,800	47,600	21 in.	7 in.	12 in.	22-1/4in.
#302 with spa chamber ¹	15	0.5 lbs.	—	—	0.5 lbs.	500	1,000	2,000	21 in.	7 in.	12 in.	22-1/4in.
#300-19 ¹	153	5.5 lbs.	20	8.8 lbs.	1.30 lbs.	13,000	26,000	52,000	28-1/2in.	7 in.	12 in.	29-3/4 in.
#300-29 ¹	237	9.8 lbs.	29	12.7 lbs.	1.41 lbs.	14,100	28,200	56,400	38-1/2in.	7 in.	12 in.	39-3/4 in.
#300-29X ¹ commercial model	237	9.8 lbs.	29	12.7 lbs.	8.05 lbs.	80,500	161,000	322,000	38-1/2in.	7 in.	12 in.	39-3/4 in.
#320 bottom feed ¹	98	3.5 lbs.	11	4.8 lbs.	0.67 lbs.	6,700	13,400	26,800	17-3/4in.	5 in.	10 in.	19 in.
#320 top feed ¹	98	3.5 lbs.	11	4.8 lbs.	1.75 lbs.	17,500	35,000	70,000	17-3/4in.	5 in.	10 in.	19 in.

WITH 10 in. FEEDER EXTENSION ON #300 – REFER TO #300-19, max. height 11 in. 6 PPM-COMMERCIAL POOLS & SPAS

WITH 20 in. FEEDER EXTENSION ON #300 – REFER TO #300-29, max. height 21 in. 3 PPM-RESIDENTIAL POOL & SPAS

¹Based on use of 1 in. Trichlor in 24 hours. Use of 3 in. tablets or sticks or bromine tablets will lower results. For 8 hour turnover divide by 3.

Note: This chart is only a suggested guide. Consult your local authority to determine their guidelines if needed. Results may vary due to pool/spa equipment and many other factors.

PENTAIR HIGH CAPACITY CHLORINE/BROMINE SIZING CHART

Model	Capacity	Maximum Erosion In 24 Hours		Treats Pool/Spa Size In Gallons Per 24 Hours		H	W	D	Service Clearance
		Chlorine	Bromine	Chlorine (10 ppm)	Bromine (10 ppm)				
HIGH CAPACITY CHLORINE/BROMINE SIZING CHART									
HC3315	15 lbs.	29.28 lbs.	13.68 lbs.	97,600	20,200	21-1/2 in.	8 in.	15 in.	22 3/4 in.
HC3330	30 lbs.	48.00 lbs.	27.60 lbs.	160,000	40,900	39-1/8 in.	8 in.	15 in.	40-3/8 in.
HC3340	40 lbs.	99.60 lbs.	41.52 lbs.	332,000	61,500	49 3/4 in.	8 in.	15 in.	51 in.

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NOTES

[illegible]



VALVES

DIVERTER AND CHECK VALVES – 1-1/2 IN. AND 2 IN. 2-WAY, 3-WAY AND CHECK

263027



263026



263042



Featured Highlights

- All valves available in CPVC or PVC
- Maintenance-free PTFE coated diverter seal
- Optimum positive-seal
- High Flow Rate
- Fiberglass reinforced handle
- Withstands pressure up to 150 psi
- Chemical-resistant
- Used for diverting, shut-off or mixing applications
- Accepts 1-1/2 in., 2 in., and 2-1/2 in. PVC plumbing
- Field-adjustable stop positions
- Plumbed with inlet at any port
- Designed to work with most industry standard actuators

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
2-WAY AND 3-WAY DIVERTER VALVES			
263026	3-Way CPVC 2 in. [2-1/2 in. slip outside]	1	2
263027	2-Way CPVC 2 in. [2-1/2 in. slip outside]	1	2
263028	3-Way PVC 2 in. [2-1/2 in. slip outside]	1	2
263029	2-Way PVC 2 in. [2-1/2 in. slip outside]	1	2
263035	3-Way CPVC 1-1/2 in. [2 in. slip outside]	1	2
263036	2-Way CPVC 1-1/2 in. [2 in. slip outside]	1	2
263037	3-Way PVC 1-1/2 in. [2 in. slip outside]	1	2
263038	2-Way PVC 1-1/2 in. [2 in. slip outside]	1	2
263047	3-Way Solar Valve w/ drain-down, CPVC 2 in. [2-1/2 in. slip outside]	1	2
CHECK VALVES			
263042	Check Valve CPVC 2 in. [straight 2-1/2 in. slip outside]	1	2
263042Z	Check Valve Rebuild Kit		



263027



263029



263026



263028

PVC Valves not recommended for climates that can reach air temperatures of over 104°F.

FULLFLOXF[®] DIVERTER & CHECK VALVES 2-1/2 IN. & 3 IN.

2-WAY, 3-WAY AND CHECK

Featured Highlights

- Valves available in CPVC for maximum heat resistance
- Maintenance-free PTFE coated diverter seal
- Optimum positive-seal
- Maximum Flow Rate, low head loss
- Chemical-resistant
- Used for diverting, shut-off or mixing applications
- Accepts 2-1/2 in. and 3 in. PVC plumbing
- Field-adjustable stop positions
- Plumbed with inlet at any port
- Designed to work with most industry standard actuators



Ordering Information

Product	Description	Carton Qty	Carton Wt (Lbs)
2-WAY AND 3-WAY DIVERTER VALVES			
263056	3-Way CPVC 2.5 in. (3 in. slip outside)	14	
263057	3-Way Solar Valve w/ drain-down, CPVC 2.5 in. (3 in. slip outside)	14	
263059	2-Way CPVC 2.5 in. (3 in. slip outside)	14	
263068	90 degree 2-way CPVC 2.5 in. (3 in. slip outside)	14	
2-WAY AND 90 DEGREE CHECK VALVES			
263060	Check Valve CPVC 2.5 in. (3 in. slip outside)	14	
263077	90 degree Check Valve CPVC 2.5 in. (3 in. slip outside)	13	
270119Z	Check Valve Rebuild Kit		

PRE-PLUMBED VALVES

BACKWASH VALVES FOR 1-1/2 & 2 IN. D.E. AND SAND FILTERS

Side mounted HiFlow™ and Multiport Valves are designed for maximum performance and working pressures. Available in 1-1/2 and 2 in. threaded or slip models.

Featured Highlights

- PVC body
- The right valve for easy operation
- Six-position, positive-lock operation
- Special winterizing position

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
MULTIPOINT VALVE KIT FOR FILTERS, SLIP			
261055	2 in. MPV, for Triton & Quad D.E. filters [SM 20-3] 7-1/2 in. Centerline	1	10
261152	2 in. MPV, for FNS, FNS Plus & NSP filters [SM 20-2] 7-1/2 in. Centerline	1	10
261173	1-1/2 in. MPV, for Triton & Quad D.E. filters [SM 10-3] 7-1/2 in. Centerline	1	6
261177	1-1/2 in. MPV, for FNS, FNS Plus & NSP filters [SM 10-2] 7-1/2 in. Centerline	1	7
HIFLOW VALVE KIT FOR FILTERS, SLIP			
261050	2 in., w/ bulkhead fittings, for Triton & Quad D.E. filters, 7-1/2 in. Centerline	1	11
261142	2 in., w/ bulkhead fittings, for FNS, FNS Plus & NSP filters, 7-1/2 in. Centerline	1	11
PVC SLIDE VALVE, SLIP			
263064	Push Pull Valve, 7-1/2 in. Center, PVC, Almond	1	4.5
263079	2 in. w/o bulkhead fittings for D.E. and sand filters, 7-1/2 in. Centerline	1	3
FULLFLOXF BACKWASH VALVES			
262507	Sta-Rite version for System 3 Mod D.E., inlet on top, with Sta-Rite offset adapters glued on	1	11
262508	Sta-Rite version for System 3 D.E. and Sand, inlet on bottom, with Sta-Rite offset adapters glued on	1	10
262509	Valve with filter inlet port on top, no fittings, only valve	1	10
262511	Valve with filter inlet port on bottom, no fittings, only valve	1	10
263080	Valve for Sand and Quad D.E., inlet port on top, Pentair 2 in. unions glued on	1	12
263081	Valve for D.E., inlet port on bottom, Pentair 2 in. unions glued on	1	12



HiFlow Valve Kit
261050



PVC Slide Valve
Kit
263064



Multiport Valve Kit
261055



eco select® FullFloXF®
Backwash
Valve Kit
263080

HIFLOW™ VALVE

BACKWASH VALVE FOR SIDE MOUNTED SAND & D.E. FILTERS

Featured Highlights

- PVC body
- Large, one-piece handle for troublefree operation
- Six-position, positive-lock operation
- Noryl heavy-duty diverter
- 2 in. ports for unrestricted flow
- Specific Valves for D.E. and sand applications
- Special winterizing position

The side mounted HiFlow valve is designed for maximum performance and working pressures. Available in 2 in. slip models.



HiFlow Valve 261049

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
HIFLOW VALVE			
261049	2 in. HiFlow Valve, no plumbing	1	10

TA TAGELUS® FILTER VALVES

1-1/2 AND 2 IN. BACKWASH VALVES FOR TOP MOUNT SAND FILTER



262525

Featured Highlights

- ABS body
- Large, one-piece handle for trouble-free operation
- Six-position, positive-lock operation
- Heavy-duty diverter
- Special winterizing position

The top mounted HiFlow™ and Multiport Valves are designed for maximum sand filter backwash performance and precise water flow. Available in 1-1/2 and 2 in. threaded.

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
TOP MOUNT MULTIPORT VALVES			
261124	1-1/2 in. TA Valve, "V" thread (TM 12-A), 6 in. Neck Size ¹	1	5
262504	1-1/2 in. TA Valve, Buttruss thread (TM 12-B), 6 in. Neck Size ²	1	6
262505	1-1/2 in. TA to TA D Conversion Kit w/ valve, , 6 in. Neck Size ¹	1	6
261185	2 in. TA D (TA 100D only), clamp, 8 in. Neck Size	1	8
262506	1-1/2 in. TA D (TA 30/40/50/60D), clamp, 6 in. Neck Size ¹	1	6
263085	2 in. (TA60, SD80, CFII26), clamp, 6 in. Neck Size without unions	1	8
262525	2 in. (TA60, SD80, CFII26), clamp, 6 in. Neck Size with unions	1	6

¹ For filters manufactured before 12-1-91.

² For filters manufactured after 12-1-91.



262506



262505



261185

SLIDE VALVES

ABS SLIDE VALVES/MULTIPORT VALVES (SIDE MOUNT)

Featured Highlights

- Six-position dial-type valves offer convenience, ease of use and efficient operation
- Includes connecting pipe to match side ports in sand and D.E. filters
- 2 in. PVC unions for filter-to-valve connection
- Positive seal prevents leakage between ports



18201-0110

Featured Highlights

- Two-position backwash valves have minimal flow restriction
- Innovative handle design allows easier operation; pin locks valve in filter position
- Connects directly to side ports in D.E. or sand filters with 2 in. PVC unions



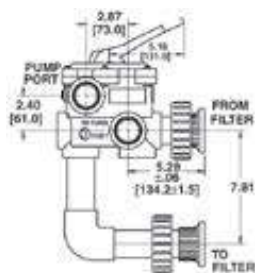
263053

Ordering Information

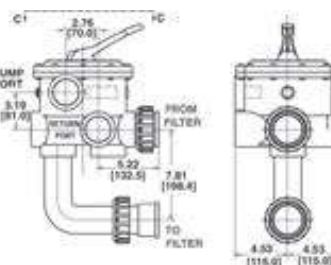
Product	Description	Valve Port Size	Carton Wt. (Lbs.)
SLIDE VALVES - UNION CONNECTION DESIGN			
263053	Push Pull Valve, 7.81 in. Center	2 in.	4
SLIDE VALVES - HOSE CONNECTION DESIGN ¹			
263078	Slide Valves, 2 position, Plastic	2 in.	5
MULTIPORT VALVES - UNION CONNECTION DESIGN			
18201-0300	ABS 6-Position Valve (for System 3 Mod DE)	2 in.	8
18202-0250	ABS 6-Position Valves with piping	1-1/2 in.	6
18202-0150	ABS 6-Position Valves with 1-1/2 in. piping	1-1/2 in.	6
18201-0200	ABS 6-Position Valves with piping	2 in.	10
MULTIPORT VALVES - UNION CONNECTION DESIGN ¹			
18202-0150H	ABS 6-Position Valves (hoses not included)	1-1/2 in.	6
18201-0200H	ABS 6-Position Valves (hoses not included)	2 in.	9
ACCESSORIES - HOSE CONNECTOR KITS - VALVE TO FILTER			
24750-0624	1-1/2 in. x 2 in. Connector		1

¹ Replacement Valves for Old Design Filters.

Dimensions and Performance



1-1/2 in. Multiport Valve
18201-0110



2 in. Multiport Valve
18201-0300



FLOWVIS® IN-LINE FLOW METER

VALVE ACCESSORIES & TOOLS



FlowVis (US Gallon Per Minute)

Featured Highlights

- Installation flexibility; installs horizontally, vertically, or even upside-down
- Can be installed with little-to-zero straight pipe requirements with no effect on accuracy
- Doubles as a check valve 1.5", 2", 2.5" and 2"x 2.5" models
- Clear, easy-to-read scale in GPM or optional LPM or M³/h with velocity scale
- Installs quickly and easily with no calibration required

FlowVis is a unique, patented flow meter solution for clean water applications such as swimming pools, spas, water features, and fountains. Models are available for 1.5" through 4" as well as retrofit units for existing specific 3rd party valve bodies. Models for 1.5", 2", and 2.5" pipe include an integrated check valve. Additionally, a non-check valve model is available for applications that employ an SVRS and where check valves are not permitted. All FlowVis models offer highly accurate performance and a unique ability to be installed right next to other plumbing fittings such as tees, without the need for long straight pipe runs before and after.

Ordering Information

Pentair Item #	Product Name & Description
	FLOWVIS (US GALLON PER MINUTE)
261193	Flowvis (US Gallon Per Minute)

FlowVis® is a registered trademark of H2flow Controls, Inc., in the United States and/or other countries.



WATER FEATURES



MAGICFLAME®

FIRE AND WATER BOWL



MagicFlame Fire and Water Bowl

Dazzle a backyard oasis with the flickering of flames or relax to the soothing sounds of falling water with MagicFlame. With five vibrant color options to match most poolside decors, MagicFlame is the perfect addition to make the pool experience a step away from paradise. Made with glass fiber reinforced concrete, MagicFlame can add warmth to pool ambiances and activate the swimming senses for years to come.

Featured Highlights

- Five vibrant color options to match most decors
- Beautiful ¾" Lava Rock is included
- Optional Tumbled Lava Rock and Fire Glass available
- 12 VAC Inlet Power
- Hot Surface Ignition - Robust
- Electronic ignition with weatherproof/anti-corrosion enclosure
- Convenient fire feature lighting and instant flame monitoring
- Glass fiber reinforced concrete bowls for ultimate longevity
 - Lighter and stronger than standard concrete.
- Natural gas or propane compatible
- Custom engineered burner made of corrosion resistant 304 stainless steel
- Automation compatible or operate stand alone

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
ROUND FIRE BALL ONLY			
580165	Round 32" Fire Only Bowl, 12V, Bronze	1	230
580166	Round 32" Fire Only Bowl, 12V, Pewter	1	230
580167	Round 32" Fire Only Bowl, 12V, Natural	1	230
580168	Round 32" Fire Only Bowl, 12V, White	1	230
580169	Round 32" Fire Only Bowl, 12V, Black	1	230
ROUND FIRE AND WATER BOWL			
580170	Round 32" Fire and Water Bowl, 12V, Bronze	1	235
580171	Round 32" Fire and Water Bowl, 12V, Pewter	1	235
580172	Round 32" Fire and Water Bowl, 12V, Natural	1	235
580173	Round 32" Fire and Water Bowl, 12V, White	1	235
580174	Round 32" Fire and Water Bowl, 12V, Black	1	235
ROUND WATER BOWL ONLY			
580175	Round 32" Water Only Bowl, 12V, Bronze	1	230
580176	Round 32" Water Only Bowl, Pewter	1	230
580177	Round 32" Water Only Bowl, Natural	1	230
580178	Round 32" Water Only Bowl, White	1	230
580179	Round 32" Water Only Bowl, Black	1	230

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
SQUARE FIRE BOWL ONLY			
580180	Square 32" Fire Only Bowl, 12V, Bronze	1	220
580181	Square 32" Fire Only Bowl, 12V, Pewter	1	220
580182	Square 32" Fire Only Bowl, 12V, Natural	1	220
580183	Square 32" Fire Only Bowl, 12 V, White	1	220
580184	Square 32" Fire Only Bowl, 12V, Black	1	220
SQUARE FIRE AND WATER BOWL			
580185	Square 32" Fire and Water Bowl, 12V, Bronze	1	225
580186	Square 32" Fire and Water Bowl, 12V, Pewter	1	225
580187	Square 32" Fire and Water Bowl, 12V, Natural	1	225
580188	Square 32" Fire and Water Bowl, 12V, White	1	225
580189	Square 32" Fire and Water Bowl, 12V, Black	1	225
SQUARE WATER BOWL ONLY			
580190	Square 32" Water Only Bowl, Bronze	1	220
580191	Square 32" Water Only Bowl, Pewter	1	220
580192	Square 32" Water Only Bowl, Natural	1	220
580193	Square 32" Water Only Bowl, White	1	220
580194	Square 32" Water Only Bowl, Black	1	220

NOTE: Actual finish and colors may vary due to slight difference in material make-up and/or the fabrication process. Please use as a guideline only.

MAGICFLAME®

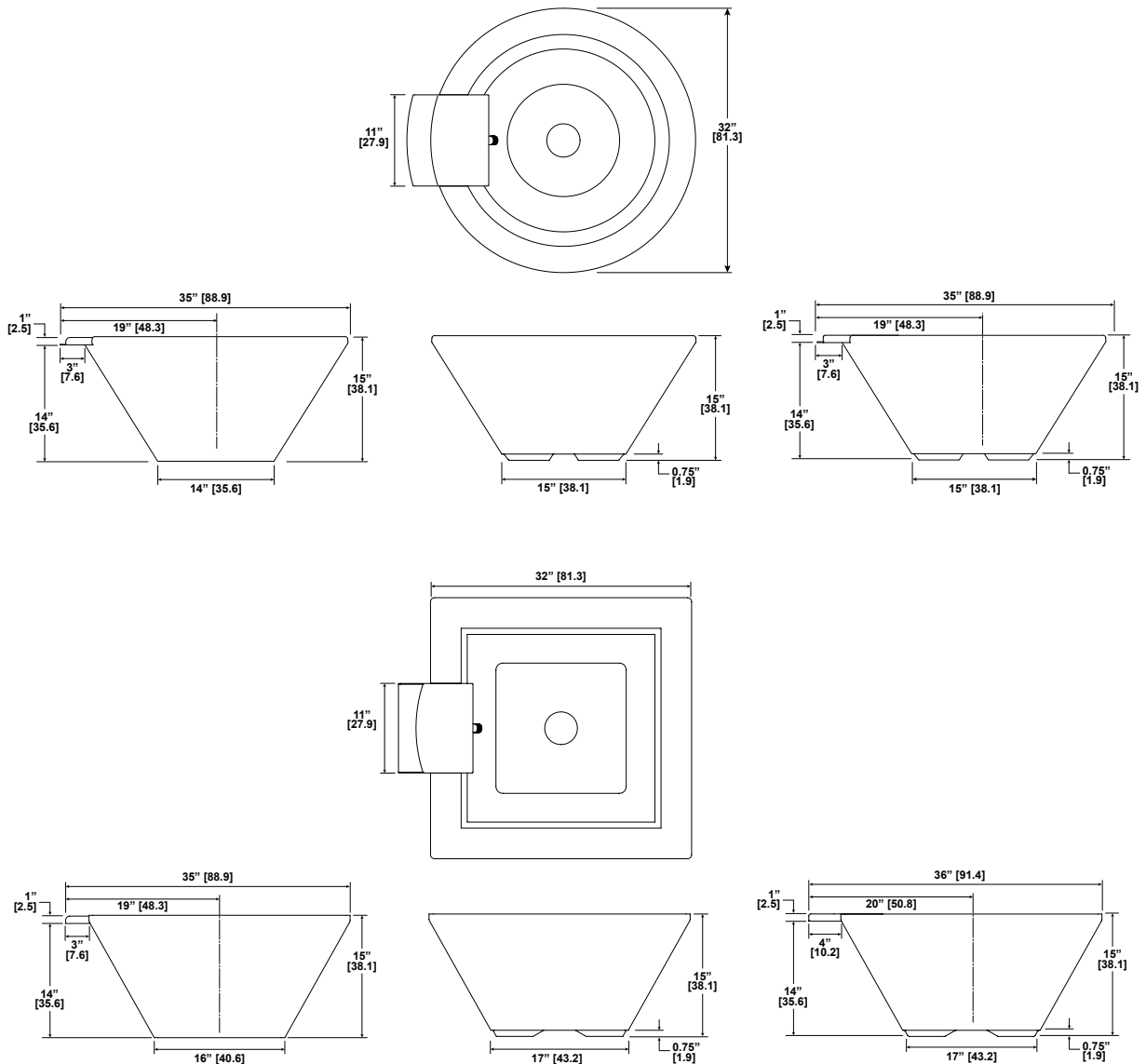
FIRE AND WATER BOWL (CONT'D)



Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs)
MAGICFLAME ACCESSORIES			
590267	Lava Rock	1	25
590268	Lava Rock Tumbled	1	25
590269	Fire Glass, Black	1	25
590270	Fire Glass, Clear	1	25
590271	Fire Glass, Brown	1	25
590272	Fire Glass, Dark Blue	1	25
590273	Fire Glass, Light Blue	1	25
590274	Fire Glass, Gold	1	25
590289	Round Winterizing Cover	1	3
590290	Square Winterizing Cover	1	3

Dimensions and Performance



MAGICSTREAM® LAMINAR

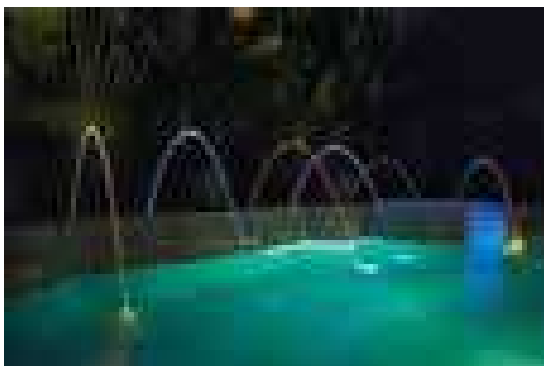


MagicStream Laminar

TRADEGRADE

Featured Highlights

- Microprocessor-controlled LED light source has the ability to synchronize with the IntelliBrite® 5g LED Pool Lighting for dynamic and synchronized colored light shows
- Provides five brilliant fixed colors, seven dazzling light shows
- Night time lighting effects include the ability to hold on a steady color or scroll through a range of available colors.
- Installation is made flush to your deck or other surface; no unsightly edges
- Laminar deck lids are available in tan, black, and gray
- The technical principal behind MagicStream Laminars is to reduce turbulence and air bubbles from the water before projecting it through a finely-machined nozzle. The laminar water flow is very non-turbulent, so it keeps its surface tension and flows through the air in a smooth, clean, unbroken stream, instead of spraying apart into droplets.
- Low voltage operation of 12 VAC/16W
- Low flow requirements allow for multiple units per pool
- The perfect complement to IntelliBrite 5g LED Pool Lighting and IntelliBrite® Architectural Series for dynamic and synchronized colored light shows



MagicStream Laminars with 100% synchronization with IntelliBrite 5g LED color and white lights create clear, uniform arcs of moving water that originate from either a pool deck or surrounding landscape. At night, these translucent streams are brilliantly colored, creating a water effect that adds elegant entertainment to your poolscape. It is fully compatible with the IntelliBrite® 5G line of LED pool lights, optional Color Sync Controller and IntelliCenter®, EasyTouch® and IntelliTouch® Automation Systems. Custom program and control light shows using an indoor control panel, wireless remote and the ScreenLogic® Interface using your smart phone, computer or mobile digital device.

Ordering Information

Product		Description	Carton Qty.	Carton Wt.
MAGICSTREAM LAMINARS				
580001B	Laminar LED, Black Lid - 100 ft. cord		1	21
580001G	Laminar LED, Gray Lid - 100 ft. cord		1	21
580001T	Laminar LED, Tan Lid - 100 ft. cord		1	21
580038	Laminar LED, Tan Lid - 150 ft. cord		1	28
580039	Laminar LED, Black Lid - 150 ft. cord		1	28
580040	Laminar LED, Gray Lid - 150 ft. cord		1	28
TRANSFORMERS (LANDSCAPE AND POOL RATED)				
619962	12V-14V	100W	1	12
619963	12V-14V	300W	1	12

Dimensions and Performance

Laminars Performance Data		
Gallons (US GPM)	6.0	7.5
Inlet Pressure (psi)	2.5	3.5
Height of Jet (Ft.)	5.0	6.0

DECK JET & MAGICSTREAM® DECK JET II

TRADEGRADE

Featured Highlights

Deck Jet

- Deck Jet includes five interchangeable water effect eyeballs that are easy to remove and simple to change. Also Includes construction shield.
- Streams reach to eight feet, and direction can be easily adjusted
- Low water pressure requirement for minimum impact on pump performance

MagicStream Deck Jet II

- Height is adjustable to a maximum of six feet. Water direction is adjustable up to 360 degrees.
- Easy-to adjust nozzles enable your creativity: concentrate all streams into a single entry point, overlap streams of different heights, or create a symmetrical, multi-stream archway...and more
- Quality design assures low water flow requirements and eliminates any concerns about standing water or unwanted debris collection
- Attractive installation with no unsightly or unsafe edges or screws



Deck Jet



MagicStream Deck Jet II

Deck Jet water effects can be cast into concrete decks and gunite pool walls, mounted in the sidewall of aboveground and vinyl-lined pools, or blended into surrounding landscapes.

MagicStream Deck Jet II creates a graceful arc of water that enters the pool with a gentle splash. The stream seems to appear magically from the pool deck since the jet installs flush and out of sight.

Ordering Information

Product	Description	Carton Qty.	Carton Wt.
DECK JET			
580000	Deck Jet	1	1
MAGICSTREAM DECK JET II			
580003	Magic Stream Deck Jet II	4	3

COLORVISION® BUBBLER WITH GLOBRITE® LED LIGHTS

TRADEGRADE



Featured Highlights

- Energy-efficient color LED lights with vibrant colors
- Provides five brilliant fixed colors, seven dazzling light shows
- Designed for 2 in. - 10 in. of water depth
- Plume height up to 24 in.
- Low voltage operation of 12 VAC / 15W
- Cord length available in 30 ft., 50 ft., 100 ft. or 150 ft.
- Low flow requirements allow for multiple units per pool
- Niche provides for flush mounting
- The perfect complement to IntelliBrite® 5g LED Pool Lighting and IntelliBrite® Architectural Series for dynamic and synchronized colored light shows

The ColorVision Bubbler is a combination of the ColorVision Niche and Pentair GloBrite or MicroBrite LED light to create vivid fountain-like water movement. It is the perfect way to showcase and enhance pool features like sun shelves, steps, beach entries and poolscape elements like ponds and fountains. Its low voltage and minimal water flow requirements make them an ideal, energy-efficient addition to pools, fountains, ponds and more. It is fully compatible with the IntelliBrite 5g line of LED pool lights, optional Color Sync Controller and IntelliCenter®, EasyTouch® and IntelliTouch® Automation Systems. Custom program and control light shows using an indoor control panel, wireless remote and the ScreenLogic® Interface using your smartphone, computer or mobile digital device.

NOTE: GloBrite and MicroBrite LED Lights - sold separately

Ordering Information

Product	Description	Carton Qty.	Carton Wt.
COLORVISION LED LIGHT BUBBLER			
580037	ColorVision Gunite Niche Kit (Niche only - must order GloBrite separately)	1	6
580036	ColorVision Vinyl/Fiberglass Niche Kit (Niche only - must order GloBrite separately)	1	6

Product	Voltage	Wattage	Cord Length (Ft.)	Carton Qty.	Carton Wt. (Lbs.)
GLOBRITE COLOR LED LIGHTS					
602053	12	15W	30	1	5
602054	12	15W	50	19	
602055	12	15W	100	19	
602056	12	15W150		19	

Product	Voltage	Wattage	Cord Length (Ft.)	Carton Qty.	Carton Wt. (Lbs.)
GLOBRITE WHITE LED LIGHTS					
602102	12	15W	30	1	5
602103	12	15W	50	19	
602104	12	15W	100	19	
602105	12	15W150		19	

TRANSFORMERS (LANDSCAPE AND POOL RATED)					
619962	12V-14V	100W	1	12	
619963	12V-14V	300W	1	13	
ACCESSORIES					
618040	Adapter—MicroBrite to GroBrite				

Product	Light Output	Voltage	Wattage	Cord Length (Ft.)	Carton Qty.	Carton Wt. (Lbs.)
MICROBRITE LED LIGHT WITH GLOBRITE ADAPTER						
602165	White	12	14W	150	15	
602166	Color	12	14W	150	15	
602167	Warm White	12	14W	150	15	

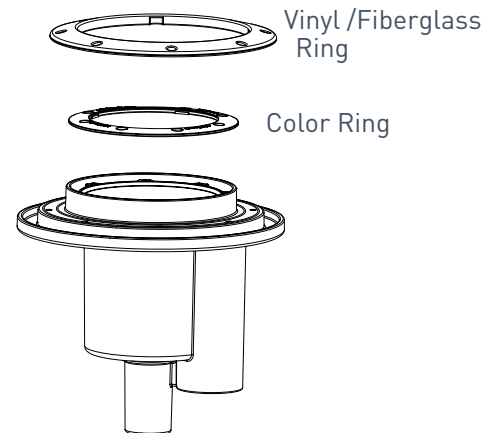
All Pentair UL Listed underwater lights are certified for use in fresh water with up to 6,000 ppm salinity.

COLORVISION® BUBBLER WITH GLOBRITE® LED LIGHTS



All ColorVision bubblers come with white accessories. Optional color rings are available for the the screw cover color ring and vinyl/ fiberglass ring.

COLOR RINGS	
590128Z	Color Ring - Blue
590127Z	Color Ring - Grey
590129Z	Color Ring - Tan
590130Z	Color Ring - Black
590132Z	Vinyl/Fiberglass Ring - Blue
590131Z	Vinyl/Fiberglass Ring - Grey
590133Z	Vinyl/Fiberglass Ring - Tan
590134Z	Vinyl/Fiberglass Ring - Black



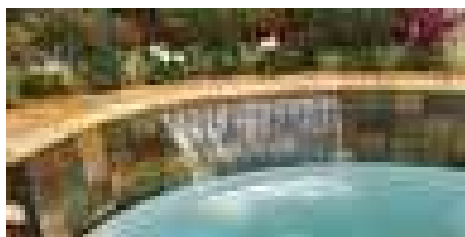
	WATER DEPTH									
	2"		4"		6"		8"		10"	
	PLUME HEIGHT									
	Nozzle Diameter									
GPM	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"
15		20"	42"	11"	28"	8"	14"	6"	12"	4"
20		32"		18"		12"	24"	8'	16"	8"
25				26"		18"		12"	23"	10"
30						25"		16"		14"
35								24"		18'
40								30"		22"
45										26"

Note: Plume height may vary.

All Pentair UL Listed underwater lights are certified for use in fresh water with up to 6,000 ppm salinity.

MAGICFALLS® WATER EFFECTS

TRADEGRADE



Actual finish and color may vary from the images found herein due to slight differences in material make-up and/or the fabrication process. Please use as a guideline only. All MagicFalls are made to order and non-refundable.

11 Series Lip = 1 in. lip, for all straight waterfalls

12 Series Lip = 6 in. Lip, for Radius Curved Waterfalls

14 Series Lip = 13 in. Lip, for super radius curved waterfalls and custom curved shapes

FACTORY CUT RADIUS CURVES:

Waterfalls with factory cut radius curves are possible on waterfalls with 6in or 13in lips with Waterfall Sheet or Waterfall Rain water effects.

Use the chart below to select the waterfall width and proper lip length for your desired radius curve.

When ordering a waterfall with a factory cut radius, follow these steps:

1. Order the waterfall part number.
2. Then include item number 5890001 on the order to indicate that you need a factory cut radius.
3. Then include a note specifying the exact radius dimension.
4. Be sure to specify "Convex" or "Concave" on your note.



An example of a complete order for a waterfall with a factory cut radius would be:
Item: 581407FSB waterfall.
Item: 5890001 radius charge.
Note: 7 ft convex radius cut.

FACTORY CUT CUSTOM CURVES:

Waterfalls with factory cut custom curves are possible on waterfalls that have 13 in. lips and Waterfall Sheet water effect.

When ordering a waterfall with a factory cut custom curve, follow these steps:

1. Order the waterfall part number.
 2. Then include item number 5890002 on the order to indicate that you need a custom curve.
 3. Then include a template showing the dimensions of the custom curve shape.
- An example of a complete order for a waterfall with a factory cut custom curve would be:
Item: 581407FSB waterfall.
Item: 5890002 custom curve charge.
Note: Refer to enclosed template.

Featured Highlights

- Choose from sheet, curtain and rainfall or arc sheet and rainfall effects
- Individual water effects are available in widths from 8 inches to 8 feet
- Available in six finishes brass, bronze, copper, gray, pewter, or white
- Waterfalls can be straight, curved, or customized
- Vary flow to any water effect with an energy-efficient IntelliFlo® or IntelliPro® Variable Speed Pump to alter the height and distance of the water effect.

Lip Width Selection Guide for Radius Curve Waterfalls

Pool Section Radius	WATERFALL WIDTH									
	8 IN.	1 FT.	18 IN.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.
1 ft.	12	12 or 14	12 or 14	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1-1/2 ft.	12	12 or 14	12 or 14	12 or 14	N/A	N/A	N/A	N/A	N/A	N/A
2 ft.	12	12 or 14	12 or 14	12 or 14	14	N/A	N/A	N/A	N/A	N/A
2-1/2 ft.	12	12 or 14	12 or 14	12 or 14	14	N/A	N/A	N/A	N/A	N/A
3 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	14	N/A	N/A	N/A	N/A
3-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	14	N/A	N/A	N/A	N/A
4 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	14	14	N/A	N/A	N/A
4-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	14	14	N/A	N/A	N/A
5 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	14	14	N/A	N/A	N/A
5-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	N/A	N/A
6 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	N/A	N/A
6-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	N/A	N/A
7 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	14	N/A
7-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	14	N/A
8 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	14	N/A
8-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	N/A
9 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	N/A
9-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	14
10 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	14
10-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	14
11 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	14
11-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14	14
12 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14
12-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14
13 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14
13-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14
14 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14
14-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14
15 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14
15-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14	14
16 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14
16-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14
17 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14
17-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14
18 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14
18-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14
19 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14
19-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14
20 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	14
20-1/2 ft.	12	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14	12 or 14

MAGICFALLS® WATER EFFECTS (CONT'D)

Ordering Information

Brass	Bronze	Copper	Grey	Pewter	White	Description	Carton Qty.	Carton Wt.
WATERFALL SHEET, 1 IN. LIP								
581100FSB	581100FSZ	581100FSP	581100FSG	581100FSS	581100FSW	SHEET / 1 in. LIP / 8 in. WIDE	1	2
581100FSBBF	581100FSZBF	581100FSPBF	581100FSGBF	581100FSSBF	581100FSWBF	SHEET / 1 in. LIP / 8 in. WIDE / BOTTOM FEED	1	2
581101FSB	581101FSZ	581101FSP	581101FSG	581101FSS	581101FSW	SHEET / 1 in. LIP / 1 ft. WIDE	1	3
581101FSBBF	581101FSZBF	581101FSPBF	581101FSGBF	581101FSSBF	581101FSWBF	SHEET / 1 in. LIP / 1 ft. WIDE / BOTTOM FEED	1	3
581118FSB	581118FSZ	581118FSP	581118FSG	581118FSS	581118FSW	SHEET / 1 in. LIP / 18 in. WIDE	1	4
581118FSBBF	581118FSZBF	581118FSPBF	581118FSGBF	581118FSSBF	581118FSWBF	SHEET / 1 in. LIP / 18 in. WIDE / BOTTOM FEED	1	4
581102FSB	581102FSZ	581102FSP	581102FSG	581102FSS	581102FSW	SHEET / 1 in. LIP / 2 ft. WIDE	1	5
581102FSBBF	581102FSZBF	581102FSPBF	581102FSGBF	581102FSSBF	581102FSWBF	SHEET / 1 in. LIP / 2 ft. WIDE / BOTTOM FEED	1	5
581103FSB	581103FSZ	581103FSP	581103FSG	581103FSS	581103FSW	SHEET / 1 in. LIP / 3 ft. WIDE	1	7
581103FSBBF	581103FSZBF	581103FSPBF	581103FSGBF	581103FSSBF	581103FSWBF	SHEET / 1 in. LIP / 3 ft. WIDE / BOTTOM FEED	1	7
581104FSB	581104FSZ	581104FSP	581104FSG	581104FSS	581104FSW	SHEET / 1 in. LIP / 4 ft. WIDE	1	9
581104FSBBF	581104FSZBF	581104FSPBF	581104FSGBF	581104FSSBF	581104FSWBF	SHEET / 1 in. LIP / 4 ft. WIDE / BOTTOM FEED	1	9
581105FSB	581105FSZ	581105FSP	581105FSG	581105FSS	581105FSW	SHEET / 1 in. LIP / 5 ft. WIDE	1	11
581106FSB	581106FSZ	581106FSP	581106FSG	581106FSS	581106FSW	SHEET / 1 in. LIP / 6 ft. WIDE	1	15
581107FSB	581107FSZ	581107FSP	581107FSG	581107FSS	581107FSW	SHEET / 1 in. LIP / 7 ft. WIDE	1	18
581108FSB	581108FSZ	581108FSP	581108FSG	581108FSS	581108FSW	SHEET / 1 in. LIP / 8 ft. WIDE	1	21
WATERFALL SHEET, 6 IN. LIP								
581200FSB	581200FSZ	581200FSP	581200FSG	581200FSS	581200FSW	SHEET / 6 in. LIP / 8 in. WIDE	1	3
581200FSBBF	581200FSZBF	581200FSPBF	581200FSGBF	581200FSSBF	581200FSWBF	SHEET / 6 in. LIP / 8 in. WIDE / BOTTOM FEED	1	3
581201FSB	581201FSZ	581201FSP	581201FSG	581201FSS	581201FSW	SHEET / 6 in. LIP / 1 ft. WIDE	1	5
581201FSBBF	581201FSZBF	581201FSPBF	581201FSGBF	581201FSSBF	581201FSWBF	SHEET / 6 in. LIP / 1 ft. WIDE / BOTTOM FEED	1	5
581218FSB	581218FSZ	581218FSP	581218FSG	581218FSS	581218FSW	SHEET / 6 in. LIP / 18 in. WIDE	1	6
581218FSBBF	581218FSZBF	581218FSPBF	581218FSGBF	581218FSSBF	581218FSWBF	SHEET / 6 in. LIP / 18 in. WIDE / BOTTOM FEED	1	6
581202FSB	581202FSZ	581202FSP	581202FSG	581202FSS	581202FSW	SHEET / 6 in. LIP / 2 ft. WIDE	1	8
581202FSBBF	581202FSZBF	581202FSPBF	581202FSGBF	581202FSSBF	581202FSWBF	SHEET / 6 in. LIP / 2 ft. WIDE / BOTTOM FEED	1	8
581203FSB	581203FSZ	581203FSP	581203FSG	581203FSS	581203FSW	SHEET / 6 in. LIP / 3 ft. WIDE	1	12
581203FSBBF	581203FSZBF	581203FSPBF	581203FSGBF	581203FSSBF	581203FSWBF	SHEET / 6 in. LIP / 3 ft. WIDE / BOTTOM FEED	1	12
581204FSB	581204FSZ	581204FSP	581204FSG	581204FSS	581204FSW	SHEET / 6 in. LIP / 4 ft. WIDE	1	16
581204FSBBF	581204FSZBF	581204FSPBF	581204FSGBF	581204FSSBF	581204FSWBF	SHEET / 6 in. LIP / 4 ft. WIDE / BOTTOM FEED	1	16
581205FSB	581205FSZ	581205FSP	581205FSG	581205FSS	581205FSW	SHEET / 6 in. LIP / 5 ft. WIDE	1	20
581206FSB	581206FSZ	581206FSP	581206FSG	581206FSS	581206FSW	SHEET / 6 in. LIP / 6 ft. WIDE	1	27
581207FSB	581207FSZ	581207FSP	581207FSG	581207FSS	581207FSW	SHEET / 6 in. LIP / 7 ft. WIDE	1	31
581208FSB	581208FSZ	581208FSP	581208FSG	581208FSS	581208FSW	SHEET / 6 in. LIP / 8 ft. WIDE	1	36
WATERFALL SHEET, 13 IN. LIP								
581401FSB	581401WFZG	581401FSP	581401FSG	581401FSS	581401FSW	SHEET / 13 in. LIP / 1 ft. WIDE	1	8
581401FSBBF	581401FSZBF	581401FSPBF	581401FSGBF	581401FSSBF	581401FSWBF	SHEET / 13 in. LIP / 1 ft. WIDE / BOTTOM FEED	1	8
581418FSB	581418FSZ	581418FSP	581418FSG	581418FSS	581418FSW	SHEET / 13 in. LIP / 18 in. WIDE	1	12
581418FSBBF	581418FSZBF	581418FSPBF	581418FSGBF	581418FSSBF	581418FSWBF	SHEET / 13 in. LIP / 18 in. WIDE / BOTTOM FEED	1	12
581402FSB	581402FSZ	581402FSP	581402FSG	581402FSS	581402FSW	SHEET / 13 in. LIP / 2 ft. WIDE	1	16
581402FSBBF	581402FSZBF	581402FSPBF	581402FSGBF	581402FSSBF	581402FSWBF	SHEET / 13 in. LIP / 2 ft. WIDE / BOTTOM FEED	1	16
581403FSB	581403FSZ	581403FSP	581403FSG	581403FSS	581403FSW	SHEET / 13 in. LIP / 3 ft. WIDE	1	22
581403FSBBF	581403FSZBF	581403FSPBF	581403FSGBF	581403FSSBF	581403FSWBF	SHEET / 13 in. LIP / 3 ft. WIDE / BOTTOM FEED	1	22
581404FSB	581404FSZ	581404FSP	581404FSG	581404FSS	581404FSW	SHEET / 13 in. LIP / 4 ft. WIDE	1	29
581404FSBBF	581404FSZBF	581404FSPBF	581404FSGBF	581404FSSBF	581404FSWBF	SHEET / 13 in. LIP / 4 ft. WIDE / BOTTOM FEED	1	29
581405FSB	581405FSZ	581405FSP	581405FSG	581405FSS	581405FSW	SHEET / 13 in. LIP / 5 ft. WIDE	1	34
581406FSB	581406FSZ	581406FSP	581406FSG	581406FSS	581406FSW	SHEET / 13 in. LIP / 6 ft. WIDE	1	42
581407FSB	581407FSZ	581407FSP	581407FSG	581407FSS	581407FSW	SHEET / 13 in. LIP / 7 ft. WIDE	1	48
581408FSB	581408FSZ	581408FSP	581408FSG	581408FSS	581408FSW	SHEET / 13 in. LIP / 8 ft. WIDE	1	56

MAGICFALLS® WATER EFFECTS (CONT'D)

Ordering Information

Brass	Bronze	Copper	Grey	Pewter	White	Description	Carton Qty.	Carton Wt.
WATERFALL CURTAIN, 6 IN. LIP								
581200FCB	581200FCZ	581200FCP	581200FCG	581200FCS	581200FCW	CURTAIN / 6 in. LIP / 8 in. WIDE	1	3
581200FCBBF	581200FCZBF	581200FCPBF	581200FCGBF	581200FCSBF	581200FCWBF	CURTAIN / 6 in. LIP / 8 in. WIDE / BOTTOM FEED	1	3
581201FCB	581201FCZ	581201FCP	581201FCG	581201FCS	581201FCW	CURTAIN / 6 in. LIP / 1 ft. WIDE	1	5
581201FCBBF	581201FCZBF	581201FCPBF	581201FCGBF	581201FCSBF	581201FCWBF	CURTAIN / 6 in. LIP / 1 ft. WIDE / BOTTOM FEED	1	5
581218FCB	581218FCZ	581218FCP	581218FCG	581218FCS	581218FCW	CURTAIN / 6 in. LIP / 18 in. WIDE	1	6
581218FCBBF	581218FCZBF	581218FCPBF	581218FCGBF	581218FCSBF	581218FCWBF	CURTAIN / 6 in. LIP / 18 in. WIDE / BOTTOM FEED	1	6
581202FCB	581202FCZ	581202FCP	581202FCG	581202FCS	581202FCW	CURTAIN / 6 in. LIP / 2 ft. WIDE	1	8
581202FCBBF	581202FCZBF	581202FCPBF	581202FCGBF	581202FCSBF	581202FCWBF	CURTAIN / 6 in. LIP / 2 ft. WIDE / BOTTOM FEED	1	8
581203FCB	581203FCZ	581203FCP	581203FCG	581203FCS	581203FCW	CURTAIN / 6 in. LIP / 3 ft. WIDE	1	12
581203FCBBF	581203FCZBF	581203FCPBF	581203FCGBF	581203FCSBF	581203FCWBF	CURTAIN / 6 in. LIP / 3 ft. WIDE / BOTTOM FEED	1	12
581204FCB	581204FCZ	581204FCP	581204FCG	581204FCS	581204FCW	CURTAIN / 6 in. LIP / 4 ft. WIDE	1	16
581204FCBBF	581204FCZBF	581204FCPBF	581204FCGBF	581204FCSBF	581204FCWBF	CURTAIN / 6 in. LIP / 4 ft. WIDE / BOTTOM FEED	1	16
581205FCB	581205FCZ	581205FCP	581205FCG	581205FCS	581205FCW	CURTAIN / 6 in. LIP / 5 ft. WIDE	1	20
581206FCB	581206FCZ	581206FCP	581206FCG	581206FCS	581206FCW	CURTAIN / 6 in. LIP / 6 ft. WIDE	1	27
581207FCB	581207FCZ	581207FCP	581207FCG	581207FCS	581207FCW	CURTAIN / 6 in. LIP / 7 ft. WIDE	1	31
581208FCB	581208FCZ	581208FCP	581208FCG	581208FCS	581208FCW	CURTAIN / 6 in. LIP / 8 ft. WIDE	1	36
WATERFALL CURTAIN, 13 IN. LIP								
581401FCB	581401FCZ	581401FCP	581401FCG	581401FCS	581401FCW	CURTAIN / 13 in. LIP / 1 ft. WIDE	1	8
581401FCBBF	581401FCZBF	581401FCPBF	581401FCGBF	581401FCSBF	581401FCWBF	CURTAIN / 13 in. LIP / 1 ft. WIDE / BOTTOM FEED	1	8
581418FCB	581418FCZ	581418FCP	581418FCG	581418FCS	581418FCW	CURTAIN / 13 in. LIP / 18 in. WIDE	1	12
581418FCBBF	581418FCZBF	581418FCPBF	581418FCGBF	581418FCSBF	581418FCWBF	CURTAIN / 13 in. LIP / 18 in. WIDE / BOTTOM FEED	1	12
581402FCB	581402FCZ	581402FCP	581402FCG	581402FCS	581402FCW	CURTAIN / 13 in. LIP / 2 ft. WIDE	1	16
581402FCBBF	581402FCZBF	581402FCPBF	581402FCGBF	581402FCSBF	581402FCWBF	CURTAIN / 13 in. LIP / 2 ft. WIDE / BOTTOM FEED	1	16
581403FCB	581403FCZ	581403FCP	581403FCG	581403FCS	581403FCW	CURTAIN / 13 in. LIP / 3 ft. WIDE	1	22
581403FCBBF	581403FCZBF	581403FCPBF	581403FCGBF	581403FCSBF	581403FCWBF	CURTAIN / 13 in. LIP / 3 ft. WIDE / BOTTOM FEED	1	22
581404FCB	581404FCZ	581404FCP	581404FCG	581404FCS	581404FCW	CURTAIN / 13 in. LIP / 4 ft. WIDE	1	29
581404FCBBF	581404FCZBF	581404FCPBF	581404FCGBF	581404FCSBF	581404FCWBF	CURTAIN / 13 in. LIP / 4 ft. WIDE / BOTTOM FEED	1	29
581405FCB	581405FCZ	581405FCP	581405FCG	581405FCS	581405FCW	CURTAIN / 13 in. LIP / 5 ft. WIDE	1	34
581406FCB	581406FCZ	581406FCP	581406FCG	581406FCS	581406FCW	CURTAIN / 13 in. LIP / 6 ft. WIDE	1	42
581407FCB	581407FCZ	581407FCP	581407FCG	581407FCS	581407FCW	CURTAIN / 13 in. LIP / 7 ft. WIDE	1	48
581408FCB	581408FCZ	581408FCP	581408FCG	581408FCS	581408FCW	CURTAIN / 13 in. LIP / 8 ft. WIDE	1	56

NOTES TO INSTALLERS:

1. Waterfalls Widths 5 ft.-8 ft. have two (2) Rear 1-1/2 in. Slip Male connections AND a precut manifold to balance the flow.
2. Not all Water Effects are available in all lengths. Check Price List to confirm availability.
3. Radius and Custom Curves require the use of additional option part numbers. Must specify radius and convex pool or concave pool, OR provide template (custom curve shape).

FACTORY CUT CURVES

Factory Radius Cut: 12 & 14 Series (P/N 5890001)

Custom Curve Shape: 14 Series (P/N 5890002)

MAGICFALLS® WATER EFFECTS (CONT'D)

Brass	Bronze	Copper	Grey	Pewter	White	Description	Carton Qty.	Carton Wt.
WATERFALL RAIN, 6 IN. LIP								
581200FRB	581200FRZ	581200FRP	581200FRG	581200FRS	581200FRW	RAIN / 6 in. LIP / 8 in. WIDE	1	3
581200FRBBF	581200FRZBF	581200FRPBF	581200FRGBF	581200FRSBF	581200FRWBF	RAIN / 6 in. LIP / 8 in. WIDE / BOTTOM FEED	1	3
581201FRB	581201FRZ	581201FRP	581201FRG	581201FRS	581201FRW	RAIN / 6 in. LIP / 1 ft. WIDE	1	5
581201FRBBF	581201FRZBF	581201FRPBF	581201FRGBF	581201FRSBF	581201FRWBF	RAIN / 6 in. LIP / 1 ft. WIDE / BOTTOM FEED	1	5
581218FRB	581218FRZ	581218FRP	581218FRG	581218FRS	581218FRW	RAIN / 6 in. LIP / 18 in. WIDE	1	6
581218FRBBF	581218FRZBF	581218FRPBF	581218FRGBF	581218FRSBF	581218FRWBF	RAIN / 6 in. LIP / 18 in. WIDE / BOTTOM FEED	1	6
581202FRB	581202FRZ	581202FRP	581202FRG	581202FRS	581202FRW	RAIN / 6 in. LIP / 2 ft. WIDE	1	8
581202FRBBF	581202FRZBF	581202FRPBF	581202FRGBF	581202FRSBF	581202FRWBF	RAIN / 6 in. LIP / 2 ft. WIDE / BOTTOM FEED	1	8
581203FRB	581203FRZ	581203FRP	581203FRG	581203FRS	581203FRW	RAIN / 6 in. LIP / 3 ft. WIDE	1	12
581203FRBBF	581203FRZBF	581203FRPBF	581203FRGBF	581203FRSBF	581203FRWBF	RAIN / 6 in. LIP / 3 ft. WIDE / BOTTOM FEED	1	12
581204FRB	581204FRZ	581204FRP	581204FRG	581204FRS	581204FRW	RAIN / 6 in. LIP / 4 ft. WIDE	1	16
581204FRBBF	581204FRZBF	581204FRPBF	581204FRGBF	581204FRSBF	581204FRWBF	RAIN / 6 in. LIP / 4 ft. WIDE / BOTTOM FEED	1	16
581205FRB	581205FRZ	581205FRP	581205FRG	581205FRS	581205FRW	RAIN / 6 in. LIP / 5 ft. WIDE	1	20
581206FRB	581206FRZ	581206FRP	581206FRG	581206FRS	581206FRW	RAIN / 6 in. LIP / 6 ft. WIDE	1	27
581207FRB	581207FRZ	581207FRP	581207FRG	581207FRS	581207FRW	RAIN / 6 in. LIP / 7 ft. WIDE	1	31
581208FRB	581208FRZ	581208FRP	581208FRG	581208FRS	581208FRW	RAIN / 6 in. LIP / 8 ft. WIDE	1	36
WATERFALL RAIN, 13 IN. LIP								
581401FRB	581401FRZ	581401FRP	581401FRG	581401FRS	581401FRW	RAIN / 13 in. LIP / 1 ft. WIDE	1	8
581401FRBBF	581401FRZBF	581401FRPBF	581401FRGBF	581401FRSBF	581401FRWBF	RAIN / 13 in. LIP / 1 ft. WIDE / BOTTOM FEED	1	8
581418FRB	581418FRZ	581418FRP	581418FRG	581418FRS	581418FRW	RAIN / 13 in. LIP / 18 in. WIDE	1	12
581418FRBBF	581418FRZBF	581418FRPBF	581418FRGBF	581418FRSBF	581418FRWBF	RAIN / 13 in. LIP / 18 in. WIDE / BOTTOM FEED	1	12
581402FRB	581402FRZ	581402FRP	581402FRG	581402FRS	581402FRW	RAIN / 13 in. LIP / 2 ft. WIDE	1	16
581402FRBBF	581402FRZBF	581402FRPBF	581402FRGBF	581402FRSBF	581402FRWBF	RAIN / 13 in. LIP / 2 ft. WIDE / BOTTOM FEED	1	16
581403FRB	581403FRZ	581403FRP	581403FRG	581403FRS	581403FRW	RAIN / 13 in. LIP / 3 ft. WIDE	1	22
581403FRBBF	581403FRZBF	581403FRPBF	581403FRGBF	581403FRSBF	581403FRWBF	RAIN / 13 in. LIP / 3 ft. WIDE / BOTTOM FEED	1	22
581404FRB	581404FRZ	581404FRP	581404FRG	581404FRS	581404FRW	RAIN / 13 in. LIP / 4 ft. WIDE	1	29
581404FRBBF	581404FRZBF	581404FRPBF	581404FRGBF	581404FRSBF	581404FRWBF	RAIN / 13 in. LIP / 4 ft. WIDE / BOTTOM FEED	1	29
581405FRB	581405FRZ	581405FRP	581405FRG	581405FRS	581405FRW	RAIN / 13 in. LIP / 5 ft. WIDE	1	34
581406FRB	581406FRZ	581406FRP	581406FRG	581406FRS	581406FRW	RAIN / 13 in. LIP / 6 ft. WIDE	1	42
581407FRB	581407FRZ	581407FRP	581407FRG	581407FRS	581407FRW	RAIN / 13 in. LIP / 7 ft. WIDE	1	48
581408FRB	581408FRZ	581408FRP	581408FRG	581408FRS	581408FRW	RAIN / 13 in. LIP / 8 ft. WIDE	1	56
ARC SHEET, 6 IN. LIP								
581200ASB	581200ASZ	581200ASP	581200ASG	581200ASS	581200ASW	ARC SHEET / 6 in. LIP / 8 in. WIDE	1	3
581200ASBBF	581200ASZBF	581200ASPBF	581200ASGBF	581200ASSBF	581200ASWBF	ARC SHEET / 6 in. LIP / 8 in. WIDE / BOTTOM FEED	1	3
581201ASB	581201ASZ	581201ASP	581201ASG	581201ASS	581201ASW	ARC SHEET / 6 in. LIP / 1 ft. WIDE	1	5
581201ASBBF	581201ASZBF	581201ASPBF	581201ASGBF	581201ASSBF	581201ASWBF	ARC SHEET / 6 in. LIP / 1 ft. WIDE / BOTTOM FEED	1	5
581218ASB	581218ASZ	581218ASP	581218ASG	581218ASS	581218ASW	ARC SHEET / 6 in. LIP / 18 in. WIDE	1	6
581218ASBBF	581218ASZBF	581218ASPBF	581218ASGBF	581218ASSBF	581218ASWBF	ARC SHEET / 6 in. LIP / 18 in. WIDE / BOTTOM FEED	1	6
581202ASB	581202ASZ	581202ASP	581202ASG	581202ASS	581202ASW	ARC SHEET / 6 in. LIP / 2 ft. WIDE	1	8
581202ASBBF	581202ASZBF	581202ASPBF	581202ASGBF	581202ASSBF	581202ASWBF	ARC SHEET / 6 in. LIP / 2 ft. WIDE / BOTTOM FEED	1	8
ARC SHEET, 13 IN. LIP								
581401ASB	581401ASZ	581401ASP	581401ASG	581401ASS	581401ASW	ARC SHEET / 13 in. LIP / 1 ft. WIDE	1	8
581401ASBBF	581401ASZBF	581401ASPBF	581401ASGBF	581401ASSBF	581401ASWBF	ARC SHEET / 13 in. LIP / 1 ft. WIDE / BOTTOM FEED	1	8
581418ASB	581418ASZ	581418ASP	581418ASG	581418ASS	581418ASW	ARC SHEET / 13 in. LIP / 18 in. WIDE	1	12
581418ASBBF	581418ASZBF	581418ASPBF	581418ASGBF	581418ASSBF	581418ASWBF	ARC SHEET / 13 in. LIP / 18 in. WIDE / BOTTOM FEED	1	12
581402ASB	581402ASZ	581402ASP	581402ASG	581402ASS	581402ASW	ARC SHEET / 13 in. LIP / 2 ft. WIDE	1	16
581402ASBBF	581402ASZBF	581402ASPBF	581402ASGBF	581402ASSBF	581402ASWBF	ARC SHEET / 13 in. LIP / 2 ft. WIDE / BOTTOM FEED	1	16

MAGICFALLS® WATER EFFECTS (CONT'D)

Ordering Information

Brass	Bronze	Copper	Grey	Pewter	White	Description	Carton Qty.	Carton Wt.
ARC RAIN, 6 IN. LIP								
581200ARB	581200ARZ	581200ARP	581200ARG	581200ARS	581200ARW	ARC RAIN / 6 in. LIP / 8 in. WIDE	1	3
581200ARBBF	581200ARZBF	581200ARPBF	581200ARGBF	581200ARSBF	581200ARWBF	ARC RAIN / 6 in. LIP / 8 in. WIDE / BOTTOM FEED	1	3
581201ARB	581201ARZ	581201ARP	581201ARG	581201ARS	581201ARW	ARC RAIN / 6 in. LIP / 1 ft. WIDE	1	5
581201ARBBF	581201ARZBF	581201ARPBF	581201ARGBF	581201ARSBF	581201ARWBF	ARC RAIN / 6 in. LIP / 1 ft. WIDE / BOTTOM FEED	1	5
581218ARB	581218ARZ	581218ARP	581218ARG	581218ARS	581218ARW	ARC RAIN / 6 in. LIP / 18 in. WIDE	1	6
581218ARBBF	581218ARZBF	581218ARPBF	581218ARGBF	581218ARSBF	581218ARWBF	ARC RAIN / 6 in. LIP / 18 in. WIDE / BOTTOM FEED	1	6
581202ARB	581202ARZ	581202ARP	581202ARG	581202ARS	581202ARW	ARC RAIN / 6 in. LIP / 2 ft. WIDE	1	8
581202ARBBF	581202ARZBF	581202ARPBF	581202ARGBF	581202ARSBF	581202ARWBF	ARC RAIN / 6 in. LIP / 2 ft. WIDE / BOTTOM FEED	1	8
581203ARB	581203ARZ	581203ARP	581203ARG	581203ARS	581203ARW	ARC RAIN / 6 in. LIP / 3 ft. WIDE	1	12
581203ARBBF	581203ARZBF	581203ARPBF	581203ARGBF	581203ARSBF	581203ARWBF	ARC RAIN / 6 in. LIP / 3 ft. WIDE / BOTTOM FEED	1	12
581204ARB	581204ARZ	581204ARP	581204ARG	581204ARS	581204ARW	ARC RAIN / 6 in. LIP / 4 ft. WIDE	1	16
581204ARBBF	581204ARZBF	581204ARPBF	581204ARGBF	581204ARSBF	581204ARWBF	ARC RAIN / 6 in. LIP / 4 ft. WIDE / BOTTOM FEED	1	16
581205ARB	581205ARZ	581205ARP	581205ARG	581205ARS	581205ARW	ARC RAIN / 6 in. LIP / 5 ft. WIDE	1	20
581206ARB	581206ARZ	581206ARP	581206ARG	581206ARS	581206ARW	ARC RAIN / 6 in. LIP / 6 ft. WIDE	1	27
581207ARB	581207ARZ	581207ARP	581207ARG	581207ARS	581207ARW	ARC RAIN / 6 in. LIP / 7 ft. WIDE	1	31
581208ARB	581208ARZ	581208ARP	581208ARG	581208ARS	581208ARW	ARC RAIN / 6 in. LIP / 8 ft. WIDE	1	36
ARC RAIN, 13 IN. LIP								
581401ARB	581401ARZ	581401ARP	581401ARG	581401ARS	581401ARW	ARC RAIN / 13 in. LIP / 1 ft. WIDE	1	8
581401ARBBF	581401ARZBF	581401ARPBF	581401ARGBF	581401ARSBF	581401ARWBF	ARC RAIN / 13 in. LIP / 1 ft. WIDE / BOTTOM FEED	1	8
581418ARB	581418ARZ	581418ARP	581418ARG	581418ARS	581418ARW	ARC RAIN / 13 in. LIP / 18 in. WIDE	1	12
581418ARBBF	581418ARZBF	581418ARPBF	581418ARGBF	581418ARSBF	581418ARWBF	ARC RAIN / 13 in. LIP / 18 in. WIDE / BOTTOM FEED	1	12
581402ARB	581402ARZ	581402ARP	581402ARG	581402ARS	581402ARW	ARC RAIN / 13 in. LIP / 2 ft. WIDE	1	16
581402ARBBF	581402ARZBF	581402ARPBF	581402ARGBF	581402ARSBF	581402ARWBF	ARC RAIN / 13 in. LIP / 2 ft. WIDE / BOTTOM FEED	1	16
581403ARB	581403ARZ	581403ARP	581403ARG	581403ARS	581403ARW	ARC RAIN / 13 in. LIP / 3 ft. WIDE	1	22
581403ARBBF	581403ARZBF	581403ARPBF	581403ARGBF	581403ARSBF	581403ARWBF	ARC RAIN / 13 in. LIP / 3 ft. WIDE / BOTTOM FEED	1	22
581404ARB	581404ARZ	581404ARP	581404ARG	581404ARS	581404ARW	ARC RAIN / 13 in. LIP / 4 ft. WIDE	1	29
581404ARBBF	581404ARZBF	581404ARPBF	581404ARGBF	581404ARSBF	581404ARWBF	ARC RAIN / 13 in. LIP / 4 ft. WIDE / BOTTOM FEED	1	29
581405ARB	581405ARZ	581405ARP	581405ARG	581405ARS	581405ARW	ARC RAIN / 13 in. LIP / 5 ft. WIDE	1	34
581406ARB	581406ARZ	581406ARP	581406ARG	581406ARS	581406ARW	ARC RAIN / 13 in. LIP / 6 ft. WIDE	1	42
581407ARB	581407ARZ	581407ARP	581407ARG	581407ARS	581407ARW	ARC RAIN / 13 in. LIP / 7 ft. WIDE	1	48
581408ARB	581408ARZ	581408ARP	581408ARG	581408ARS	581408ARW	ARC RAIN / 13 in. LIP / 8 ft. WIDE	1	56

NOTES TO INSTALLERS:

1. Waterfalls Widths 5 ft.-8 ft. have two (2) Rear 1-1/2 in. Slip Male connections AND a precut manifold to balance the flow.
2. Not all Water Effects are available in all lengths. Check Price List to confirm availability.
3. Radius and Custom Curves require the use of additional option part numbers. Must specify radius and convex pool or concave pool, OR provide template (custom curve shape).

FACTORY CUT CURVES

Factory Radius Cut: 12 & 14 Series (P/N 5890001)

Custom Curve Shape: 14 Series (P/N 5890002)

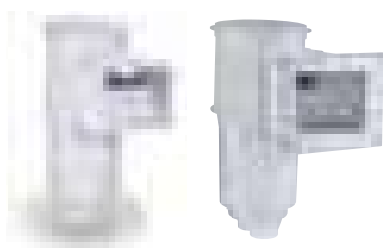


WHITE GOODS



ADMIRAL™ S15 AND S20 SKIMMERS

ADMIRAL SKIMMERS FOR POOLS AND SPAS



Admiral Skimmers



Admiral Skimmer Accessories

Admiral S15 Skimmers offer a variety of bases and throats for a wide variety of plumbing and construction requirements, configurations and materials. These skimmers have an innovative lock-down lid that can be personalized with custom logo disks. S15 Skimmers are injection molded of high strength ABS and are available with a flap weir for skimming action.

Admiral S20 Skimmers have a PVC reinforced twin port base. S20 may be purchased with equalizer for commercial and NSF applications or for when the second port is connected to the main drain. All models include the innovative lock down lid that can be personalized with custom logo disks and are available with a flap weir or the circular weir for superior skimming action.

Featured Highlights

- Admiral 15 Skimmers: High strength ABS body
- Admiral S20 Skimmers: Reinforced PVC base
- Slip FIPT, 1-1/2 inch or 2 inch
- Variety of throat lengths
- Easy to install
- Innovative lock down lid
- 1-1/2 inch and 2 inch ports
- Lid extension collars
- Flap weir or the circular weir
- Custom logo disk available

Ordering Information

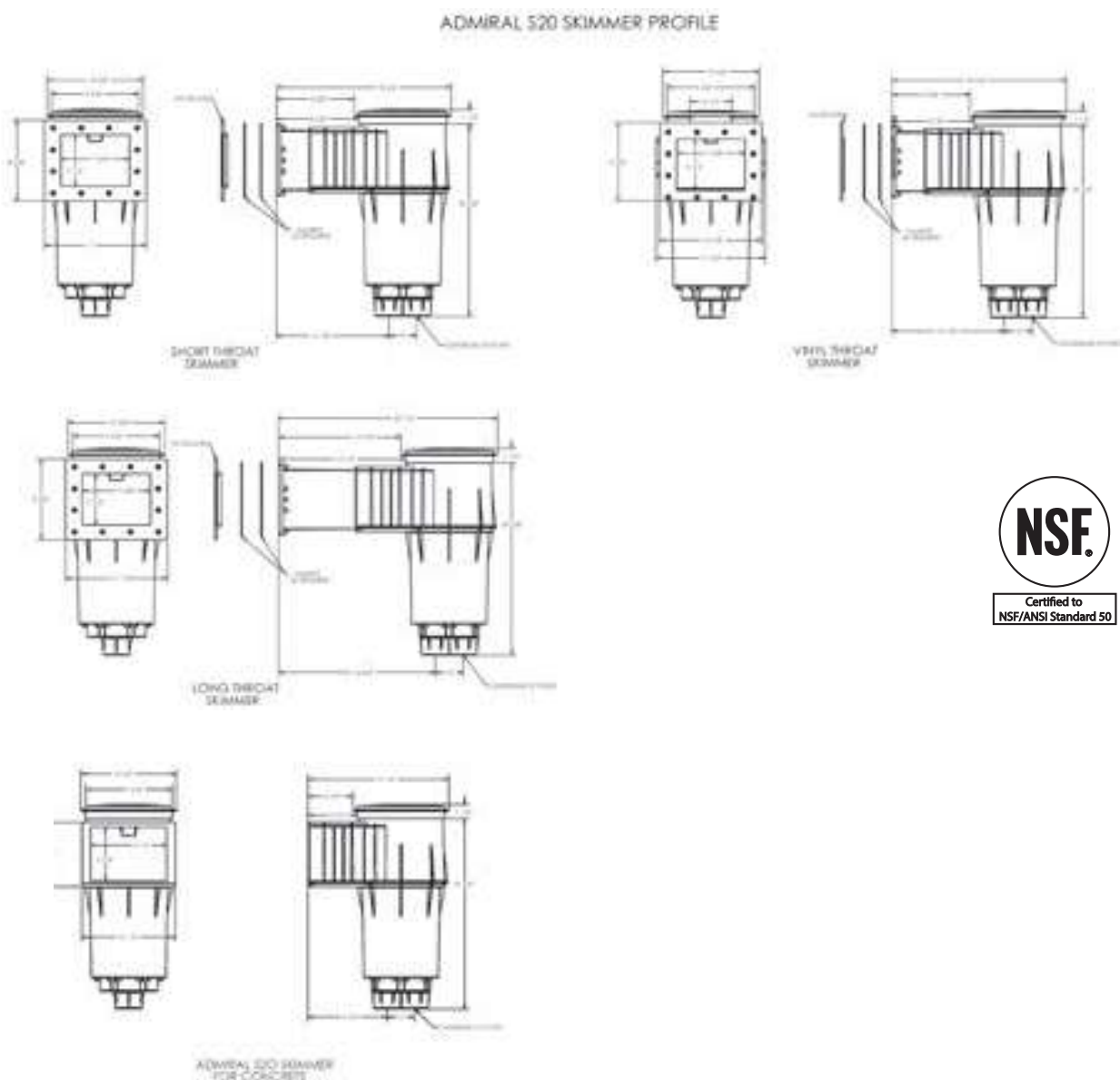
Product	Description	Carton Qty.	Carton Wt. (Lbs.)
S15 SKIMMERS FOR CONCRETE CONSTRUCTION			
84120100	S15, circ. weir, 1-1/2 in., threaded	1	10
84120200	S15, circ. weir, 2 in., threaded	1	10
84900300	S15, flap weir, 1-1/2 in., threaded	1	10
S20 SKIMMERS FOR CONCRETE CONSTRUCTION			
84420405	S20, flap weir, no equalizer, 1-1/2 in. slip	1	10
84420505	S20, circ. weir, equalizer, 2 in. slip ¹	1	12
84420530	S20, circ. weir, equalizer, 2 in. threaded, tan ¹	1	12
84420600	S20, flap weir, equalizer, 2 in. threaded, FIPT ¹	1	12
84420605	S20, flap weir, equalizer, 2 in. slip ¹	1	12
84420630	S20, flap weir, equalizer, 2 in. threaded, tan ¹	1	12
84420800	S20, flap weir, no equalizer, 2 in. threaded, FIPT	1	10
84420805	S20, flap weir, no equalizer, 2 in. slip	1	10
S20 SKIMMERS FOR FIBERGLASS POOLS			
500023	S20, "WEDGE" flap weir, equalizer, 2 in. slip ¹	1	10

¹ NSF listed for commercial installation. Check valve 506162 must be purchased separately.

ADMIRAL™ S15 & S20 SKIMMERS (CONT'D)

506162	Equalizer check valve	1	0.25
85018000	Lid with ring seat, S15 & S20, 9 in. beige	1	1
85002300	Extension collar for ring seat, adjustable to 3 in.	1	0.50
85001900	Vacuum plate adapter, S15 & S20	1	0.50
85007400Z	Lock down lid for existing Admiral skimmers, white	1	0.50
85007411	Lock down lid for existing Admiral skimmers, black	1	0.50
85007413	Lock down lid for existing Admiral skimmers, gray	1	0.50
85007430	Lock down lid for existing Admiral skimmers, tan	1	0.50
85000400	Lid/collar set, white	1	0.50
85000411	Lid/collar set, black	1	0.50

Dimensions and Performance



BERMUDA™ SKIMMERS

SKIMMERS FOR GUNITE POOLS, VINYL LINER AND FIBERGLASS POOLS

Featured Highlights

Choose among the following configurations:

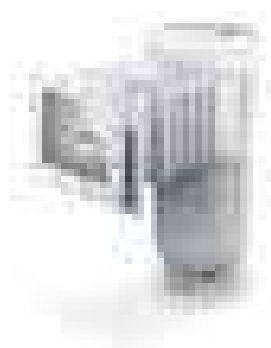
ABS or PVC

White, black and tan colors available

1-1/2 in. or 2 in. slip or threaded ports

Optional equalizer valve

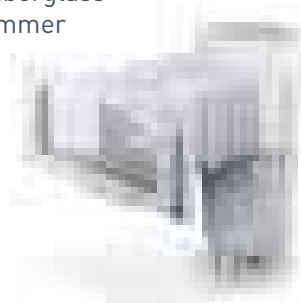
Bermuda Skimmers feature a heavy-duty one-piece construction with sturdy external ribbing for superior strength. All Bermuda Skimmers for vinyl liner and fiberglass pools are made from ABS plastic.



Vinyl/Fiberglass Skimmer

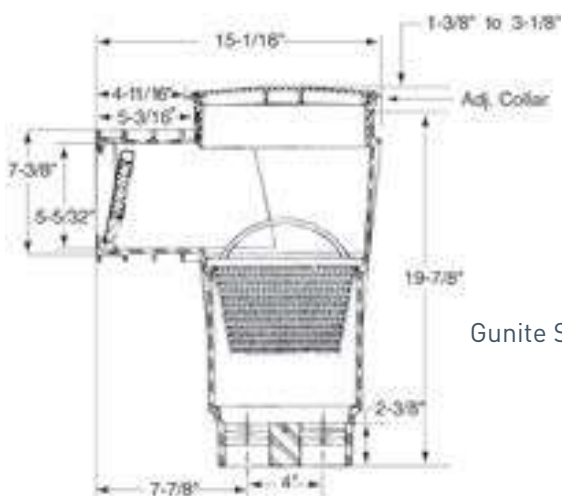


Gunite Skimmer

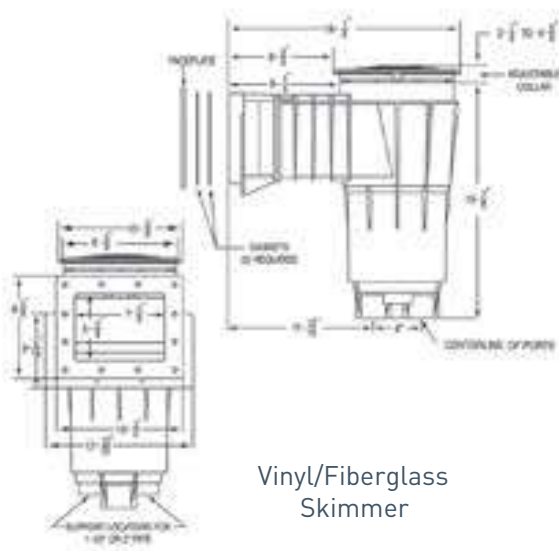


Wide-mouth Vinyl/Fiberglass Skimmer

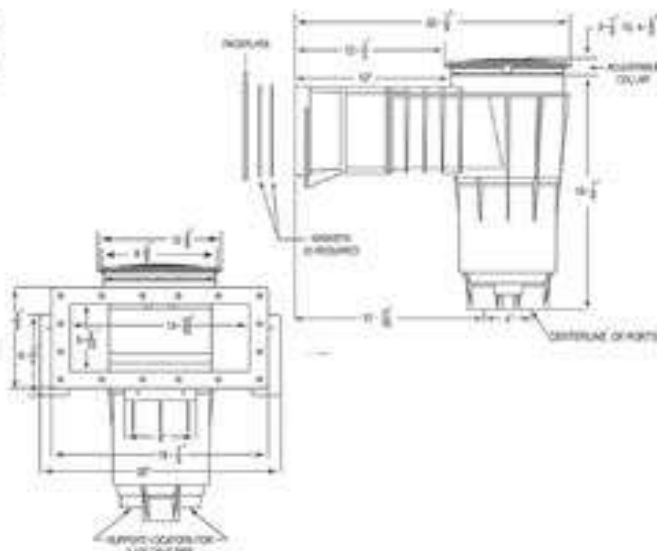
Dimensions and Performance



Gunite Skimmer



Vinyl/Fiberglass Skimmer



BERMUDA™ SKIMMERS (CONT'D)

SKIMMERS FOR GUNITE POOLS, VINYL LINER AND FIBERGLASS POOLS

Ordering Information



Product	Description	Material Type	Carton Qty.	Carton Wt. (Lbs.)
GUNITE SKIMMERS				
506300	2 in. Slip ports, white	PVC	1	10
506301	2 in. Threaded ports, white	PVC	1	10
506302	2 in. Slip ports, tan	PVC	1	10
506304	1-1/2 in. Slip ports, white	PVC	1	10
506361	2 in. Slip ports, white	ABS	1	10
506362	2 in. Threaded ports, white	ABS	1	10
506363	1-1/2 in. Slip ports, white	ABS	1	10
506364	1-1/2 in. Threaded ports, white	ABS	1	10
506365	2 in. Slip ports, black	ABS	1	10
GUNITE SKIMMERS WITH FLOAT VALVE ASSEMBLY				
506382	2 in. Slip ports, tan	ABS	1	10
506308	2 in. Slip ports with float valve, white	PVC	1	10
506309	2 in. Threaded ports with float valve, white	PVC	1	10
506310	2 in. Slip ports, tan	PVC	1	10
GUNITE SKIMMERS WITH FLOAT VALVE & EQUALIZER VALVE ASSEMBLY				
506370	2 in. slip ports, white ¹ [BKG]	PVC	1	10
506380	2 in. slip ports, white ¹ [ABKG]	ABS	1	10
506381	2 in. threaded ports, white ¹ [ABKG]	ABS	1	10
VINYL/FIBERGLASS SKIMMER				
506420	1-1/2 in. Slip ports, white	ABS	1	10
506421	1-1/2 in. Threaded ports, white	ABS	1	10
506480	1-1/2 in. Threaded ports, black	ABS	1	10
WIDE-MOUTH SKIMMER FOR VINYL LINER & FIBERGLASS POOLS				
506520	1-1/2 in. Slip ports, white	ABS	1	10
506521	1-1/2 in. Threaded ports, white	ABS	1	10
506581	1-1/2 in. Threaded ports, black	ABS	1	10

¹NSF listed.



A



B



F



E

Item	Product	Description	Carton Wt. (Lbs.)
BERMUDA ACCESSORIES			
A	506160	Float valve assembly	1
B	506161	Vacuum plate/insert assembly, white	0.50
C	506162	Equalizer valve assembly	1.3
E	516253	Gunite extension collar, white, 3-1/8 in. length	0.20
E	516258	Gunite extension collar, tan, 3-1/8 in. length	0.60
E	516329	Gunite extension collar, black, 3-1/8 in. length	0.60
F	510327	Deck lid and collar assembly with screws, dark gray	1.3
F	510332	Deck lid, dark gray	0.50
F	516215	Deck lid, white	0.50
F	516216	Deck lid, tan	0.50
F	516254	Deck lid and collar assembly with screws, white	1.3
F	516261	Deck lid and collar assembly with screws, tan	1.3
F	516306	Deck lid, black	0.50
F	516328	Deck lid and collar assembly with screws, black	1.3

U-3 SKIMMERS

SWIMQUIP INGROUND SKIMMERS



Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
SKIMMERS FOR CONCRETE POOLS			
08650-1403	U-3 Skimmer White w/ White Lid & Frame, 2 in. NPT with 1-1/2 in. NPT Reducers; Incl. Float and Check Valve, Basket ¹	48	10
08650-3403	U-3 Skimmer Gray w/ Gray Lid & Frame, 2 in. NPT with 1-1/2 in. NPT Reducers; Incl. Float and Check Valve, Basket; NSF ¹	48	10
08650-3403E	U-3 Skimmer Gray, w/ Tan Lid & Frame, 2 in. NPT with 1-1/2 in. NPT Reducers; Incl. Float and Check Valve, Basket; NSF ¹	48	10
08650-2403	U-3 Skimmer White w/ Tan Lid & Frame, 2 in. NPT with 1-1/2 in. NPT Reducers; Incl. Float and Check Valve, Basket ¹	48	10
08650-1404	U-3 Skimmer White w/ White Lid & Frame, 2 in. Slip with 1-1/2 in. Slip Reducers; Incl. Float and Check Valve, Basket ¹	48	10
08650-3404	U-3 Skimmer Gray w/ Gray Lid & Frame, 2 in. Slip with 1-1/2 in. Slip Reducers; Incl. Float and Check Valve, Basket; NSF ¹	48	10
08650-3404E	U-3 Skimmer Gray, w/ Tan Lid & Frame, 2 in. Slip with 1-1/2 in. Slip Reducers; Incl. Float and Check Valve, Basket; NSF ¹	48	10
08650-2404	U-3 Skimmer White w/ Tan Lid & Frame, 2 in. Slip with 1-1/2 in. Slip Reducers; Incl. Float and Check Valve, Basket ¹	48	10
08650-4403	U-3 Skimmer White w/ White Lid & Frame, 2 in. NPT with 1-1/2 in. NPT Reducers; Incl. Basket w/o float	48	9
08650-6403	U-3 Skimmer Gray w/ Gray Lid & Frame, 2 in. NPT with 1-1/2 in. NPT Reducers; Incl. Basket w/o float	48	9
08650-6403E	U-3 Skimmer Gray, w/ Tan Lid & Frame, 2 in. NPT with 1-1/2 in. NPT Reducers; Incl. Basket w/o float	48	9
08650-5403	U-3 Skimmer White w/ Tan Lid & Frame, 2 in. NPT with 1-1/2 in. NPT Reducers; Incl. Basket w/o float	48	9
08650-4404	U-3 Skimmer White w/ White Lid & Frame, 2 in. Slip with 1-1/2 in. Slip Reducers; Incl. Basket w/o float	48	9
08650-6404	U-3 Skimmer Gray w/ Gray Lid & Frame, 2 in. Slip with 1-1/2 in. Slip Reducers; Incl. Basket w/o float	48	9
08650-6404E	U-3 Skimmer Gray w/ Tan Lid & Frame, 2 in. Slip with 1-1/2 in. Slip Reducers; Incl. Basket w/o float	48	9
08650-5404	U-3 Skimmer White w/ Tan Lid & Frame, 2 in. Slip with 1-1/2 in. Slip Reducers; Incl. Basket w/o float	48	9
SKIMMERS FOR VINYL POOLS			
09655-1403	Vinyl Skimmer – White; 2 in. NPT with 1-1/2 in. NPT Reducers	32	10
09655-1404	Vinyl Skimmer – White; 2 in. Slip with 1-1/2 in. Slip Reducers	32	10
09655-2403	Vinyl Skimmer – White w/ Tan Lid & Frame; 2 in. NPT with 1-1/2 in. NPT Reducers	32	10
09655-2404	Vinyl Skimmer – White w/ Tan Lid & Frame; 2 in. Slip with 1-1/2 in. Slip Reducers	32	10
09655-0010	Skimmer Mount Space Block (for vinyl pools only)	32	0.25



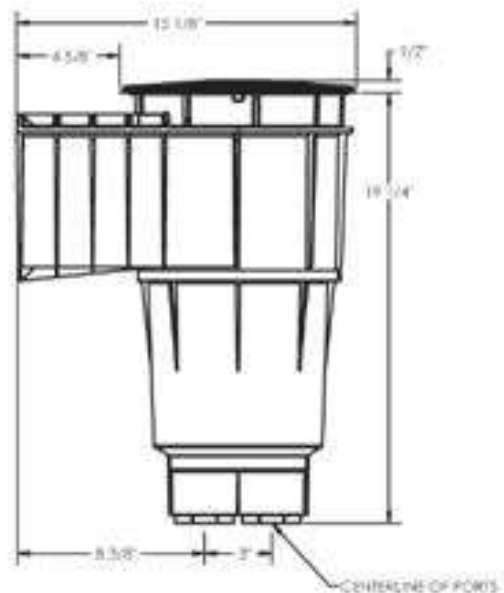
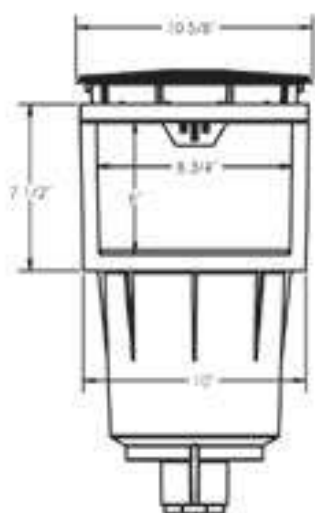
¹ NSF Certified. Only skimmers with Float Valve assemblies are NSF approved.

Note: All U-3 Skimmers are made with high strength ABS plastic.

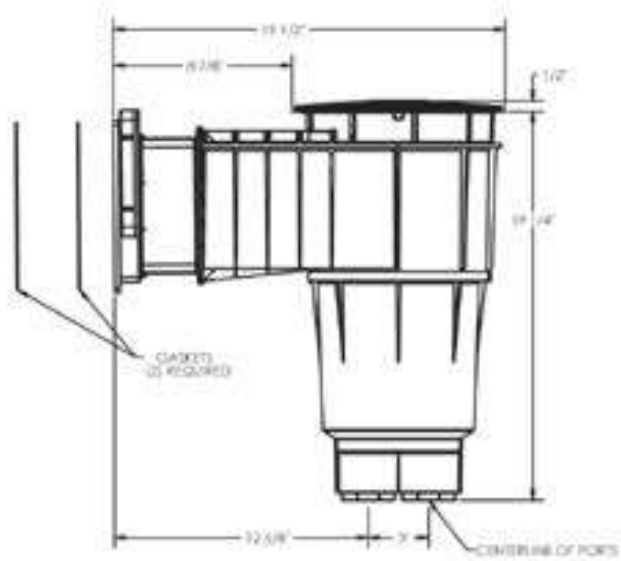
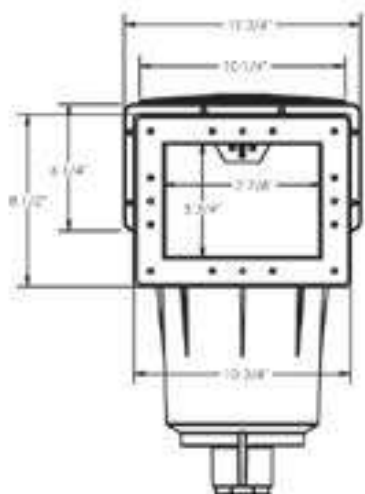
U-3 SKIMMERS (CONT'D)

Dimensions and Performance

U3 Skimmer for concrete



U3 Skimmer for vinyl



REPLACEMENT SKIMMER LIDS WITH AND WITHOUT THERMOMETERS



Skimmer Lids with
Thermometers

Featured Highlights

- Lids are available in 3 colors to blend with the pool environment
- Available to fit Pentair Aquatic Systems and other popular skimmer brands

Skimmer thermometers eliminate misplacement, theft and breakage problems sometimes seen with floating thermometers. The hermetically sealed face is built for strength and weather resistance. The outside temperature will not affect the performance of the thermometer.

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
SKIMMER LIDS WITH THERMOMETER			
L1	SwimQuip, Swimrite, Jacuzzi® (New Style), Hayward®, 9-7/8 in., white	1	3/4
L1B	SwimQuip, Swimrite, Jacuzzi (New Style), Hayward, 9-7/8 in., almond	1	3/4
L1G	SwimQuip, Swimrite, Jacuzzi (New Style), Hayward, 9-7/8 in., gray	1	3/4
L2	Baker Hydro®, 9-7/8 in., white	1	3/4
L3	Hayward, Square, 10 in. x 10 in., white	1	3/4
L4B	Pentair Aquatic Systems, 9-3/16 in. round, almond	1	3/4
L4G	Pentair Aquatic Systems, 9-3/16 in. round, gray	1	3/4
L4W	Pentair Aquatic Systems, 9-3/16 in. round, white	1	3/4
L5	Pentair Aquatic Systems, (Old Style), 8-3/8 in., white	1	3/4
L6B	Pentair Aquatic Systems, Bermuda, 9-1/4 in., almond	1	3/4
L6G	Pentair Aquatic Systems, Bermuda, 9-1/4 in., gray	1	3/4
L6W	Pentair Aquatic Systems, Bermuda, 9-1/4 in., white	1	3/4
SKIMMER LIDS WITHOUT THERMOMETER			
L1RW	SwimQuip, Swimrite, Jacuzzi, Hayward (New Style), 9-7/8 in., white	1	3/4
L1RG	SwimQuip, Swimrite, Jacuzzi, Hayward (New Style), 9-7/8 in., gray	1	3/4
L1RB	SwimQuip, Swimrite, Jacuzzi, Hayward (New Style), 9-7/8 in., almond	1	3/4
L2R	Baker, Hydro, 9-7/8 in., white	1	3/4
L4RW	American Products, 9-3/16 in. round, white	1	3/4
L4RG	American Products, 9-3/16 in. round, gray	1	3/4
L4RB	American Products, 9-3/16 in. round, almond	1	3/4
L5R	Pentair Aquatic Systems (Old Style), 8-3/8 in., white	1	3/4
L6RW	Pentair Aquatic Systems, Bermuda, 9-1/4, white	1	3/4
L6RG	Pentair Aquatic Systems, Bermuda, 9-1/4, gray	1	3/4
L6RB	Pentair Aquatic Systems, Bermuda, 9-1/4, almond	1	3/4

Jacuzzi® is a registered trademark of Jacuzzi, Inc.; Hayward® is a registered trademark of Hayward Industries, Inc.; Baker Hydro® is a registered trademark of Waterco USA DBA Baker Hydro Corp.

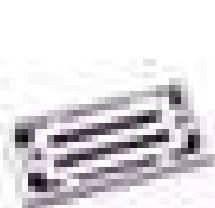
GUTTER DRAINS DRAINS AND FITTINGS

Featured Highlights

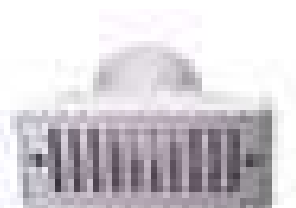
Pentair gutter drains come with an extra deep socket connection



540064



542038

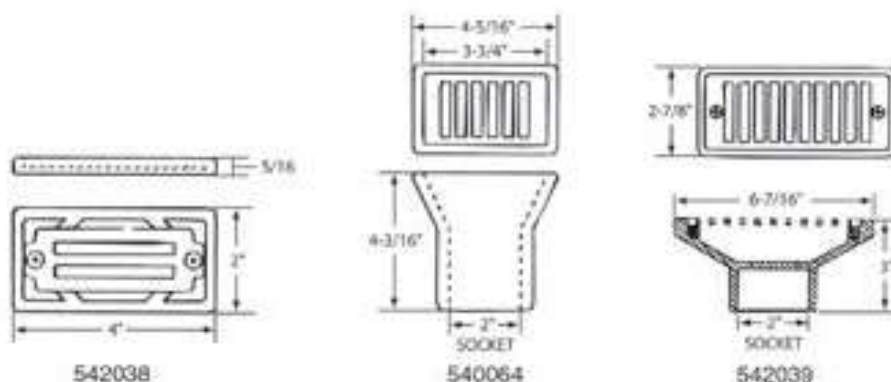


542039

Ordering Information

Product	Description	Flow Rate (GPM)	Open Area (Sq. In.)	Carton Qty.
GUTTER DRAINS				
540063	2 in. x 4 in. gutter drain & grate, white	14.5 @ 1-1/2 ft./sec.	3.09	50
540064	2 in. x 4 in. gutter drain & grate, black	14.5 @ 1-1/2 ft./sec.	3.09	50
540065	2 in. x 4 in. gutter drain & grate, dark gray	14.5 @ 1-1/2 ft./sec.	3.09	50
542038	2 in. x 4 in. 3-bar frame & grate, white	8.0 @ 1-1/2 ft./sec.	1.71	500
542039	2-1/2 in. x 6 in. gutter drain & grate, white	22.5 @ 1-1/2 ft./sec.	4.81	24
542146	2 in. x 4 in. grate (hi-style), white	14.5 @ 1-1/2 ft./sec.	3.09	500
552511	2 in. x 4 in. grate (fits 540063, 542037)	14.5 @ 1-1/2 ft./sec.	3.09	500

Dimensions and Performance



STARGUARD® MAIN DRAINS

MAIN DRAIN FRAME AND GRATE

StarGuard Main Drains comply with provisions of the ANSI/APSP/ICC-16 2017 standard and the Virginia Graeme Baker Pool and Spa Safety Act. High quality StarGuard main drains are available in white, black, gray, and dark gray as well as a variety of configurations to fit most residential inground pool or spa installations. StarGuard main drains have 15.35 square inches of open area for water flow and allow flow rates up to 72 GPM at 1-1/2 ft./sec.

Featured Highlights

- Available in Multiple Colors
- Compliant with the Virginia Graeme Baker Act

Ordering Information

Product	Description	Flow Rate Floor (GPM)	Flow Rate Wall (GPM)	Open Area (Sq. In.)
8 IN. STARGUARD COVER WITH LONG RING				
500108	8 in. StarGuard cover w/ long ring (single), white	136	88	15.35
500100	8 in. StarGuard cover w/ long ring (single), black	136	88	15.35
500101	8 in. StarGuard cover w/ long ring (single), dark gray	136	88	15.35
500102	8 in. StarGuard cover w/ long ring (single), gray	136	88	15.35
500140	8 in. StarGuard cover w/ long ring (2 pack), white	136	88	15.35
500141	8 in. StarGuard cover w/ long ring (2 pack), black	136	88	15.35
500142	8 in. StarGuard cover w/ long ring (2 pack), dark gray	136	88	15.35
500143	8 in. StarGuard cover w/ long ring (2 pack), gray	136	88	15.35
8 IN. STARGUARD COVER WITH SHORT RING AND COVER				
500103	8 in. StarGuard cover w/ short ring (single), white	136	88	15.35
500104	8 in. StarGuard cover w/ short ring (single), black	136	88	15.35
500105	8 in. StarGuard cover w/ short ring (single), dark gray	136	88	15.35
500106	8 in. StarGuard cover w/ short ring (single), gray	136	88	15.35
500144	8 in. StarGuard cover w/ short ring (2 pack), white	136	88	15.35
500145	8 in. StarGuard cover w/ short ring (2 pack), black	136	88	15.35
500146	8 in. StarGuard cover w/ short ring (2 pack), dark gray	136	88	15.35
500147	8 in. StarGuard cover w/ short ring (2 pack), gray	136	88	15.35
8 IN. STARGUARD DRAIN WITH 2 IN. SIDE AND 1-1/2 IN. BOTTOM PORTS ABS SUMP WITH RING AND COVER				
500110	8 in. StarGuard drain w/ 2 in. side & 1-1/2 in. bottom ports ABS sump w/ ring & cover (2 pack), white	136	88	15.35
500111	8 in. StarGuard drain w/ 2 in. side & 1-1/2 in. bottom ports ABS sump w/ ring & cover (2 pack), black	136	88	15.35
500113	8 in. StarGuard drain w/ 2 in. side & 1-1/2 in. bottom ports ABS sump w/ ring & cover (2 pack), dark gray	136	88	15.35
500114	8 in. StarGuard drain w/ 2 in. side & 1-1/2 in. bottom ports ABS sump w/ ring & cover (2 pack), gray	136	88	15.35

STARGUARD® MAIN DRAINS (CONT'D)

Product	Description	Flow Rate Floor (GPM)	Flow Rate Wall (GPM)	Open Area (Sq. In.)
8 IN. STARGUARD DRAIN WITH 2 IN. SIDE PORT ABS SUMP WITH RING AND COVER				
500115	8 in. StarGuard drain w/ 2 in. side port ABS sump w/ ring & cover (2 pack), white	136	88	15.35
500116	8 in. StarGuard drain w/ 2 in. side port ABS sump w/ ring & cover (2 pack), black	136	88	15.35
500117	8 in. StarGuard drain w/ 2 in. side port ABS sump w/ ring & cover (2 pack), dark gray	136	88	15.35
500118	8 in. StarGuard drain w/ 2 in. side port ABS sump w/ ring & cover (2 pack), gray	136	88	15.35
8 IN. STARGUARD DRAIN WITH DUAL 2 IN. BOTTOM PORTS ABS SUMP AND COVER				
500120	8 in. StarGuard drain w/ dual 2 in. bottom ports ABS sump & cover (2 pack), white	136	88	15.35
500121	8 in. StarGuard drain w/ dual 2 in. bottom ports ABS sump & cover (2 pack), black	136	88	15.35
500122	8 in. StarGuard drain w/ dual 2 in. bottom ports ABS sump & cover (2 pack), dark gray	136	88	15.35
500123	8 in. StarGuard drain w/ dual 2 in. bottom ports ABS sump & cover (2 pack), gray	136	88	15.35
8 IN. STARGUARD DRAIN WITH 2 IN. SIDE AND 1-1/2 IN. BOTTOM VINYL LINER ABS SUMP				
500130	8 in. StarGuard drain w/ 2 in. side & 1-1/2 in. bottom vinyl liner ABS sump (2 pack), white	136	88	15.35



500108
8 in. StarGuard cover
w/ long ring



500103
8 in. StarGuard cover
w/ short ring



500110
8 in. StarGuard drain w/ 2 in.
side & 1-1/2 in. bottom ports ABS
sump w/ ring & cover



500115
8 in. StarGuard drain
w/ 2 in. side port ABS
sump w/ ring & cover



500120
8 in. StarGuard drain w/
dual 2 in. bottom ports
ABS sump & cover



500130
8 in. StarGuard drain w/ 2
in. side & 1-1/2 in. bottom
vinyl liner ABS sump

POOL SPECIALTY FITTINGS

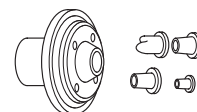
Pentair plumbing unions are available in a wide variety of configurations. Specialty fittings such as the snap lock wall fitting, anchor cup and rope hooks and the molded recessed steps are designed for ease of installation. Deck valve lid and ring allow for access to under deck valves and fittings. These fittings are manufactured to Pentair's high standards.

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
ENERGY EFFICIENT FITTINGS			
178741	Sweep Elbow, PVC, White, 2-1/2 in. Socket, 3 in. Spigot. W=.75	1	0.92
COMPLETE INSIDER WALL INLET FITTINGS FOR CONCRETE POOLS			
08428-0000	1-1/4 in. Slip, 3/16 in., 1/2 in., 3/4 in., 90° Nozzles, white	1	0.50
08429-0000	1-1/2 in. Slip, 3/16 in., 1/2 in., 3/4 in., 90° Nozzles, white	1	0.50
08428-0100	1-1/4 in. Slip, 3/16 in., 1/2 in., 3/4 in., 90° Nozzles, dark gray	1	0.50
08429-0100	1-1/2 in. Slip, 3/16 in., 1/2 in., 3/4 in., 90° Nozzles, dark gray	1	0.50
EYEBALL INSIDER INLET FITTINGS			
08434-0000	1-1/2 in. Slip, 1/2 in., 3/4 in., 90° Nozzles, white	1	0.50
08434-0100	1-1/2 in. Slip, 1/2 in., 3/4 in., 90° Nozzles, dark gray	1	0.50
VINYL POOL FITTINGS			
08430-0050	1-1/2 in. NPT body PVC, white	1	1.
08430-0000	1-1/2 in. Slip body PVC, white	1	1.
HYDROSTATIC RELIEF VALVE			
07017-0151	1-1/2 in. NPT hydrostatic valve		0.2
07017-0158	2 in. NPT hydrostatic valve		0.2
ALL PURPOSE PLUGS			
195830	2 in. plug with O-ring		100
552612	1-1/2 in. flush plug, white		100
552614	1-1/2 in. flush plug, black		100
552622	1-1/2 in. plug with O-ring, white		100
552624	1-1/2 in. plug with O-ring, black		100
SPECIAL EYEBALL FITTINGS			
86204200	Reducer adapter, 1-1/2 in. o.d. x 1 in. slip, 1 in., white	50	10
86204211	Reducer adapter, 1-1/2 in. o.d. x 1 in. slip, 1 in., black	50	10
86204215	Reducer adapter, 1-1/2 in. o.d. x 1 in. slip, 1 in., dark gray	50	10
JETS FOR CONCRETE INSTALLATION			
46540000	Venturi Jet, 5/16 in. nozzle, 1/2 in. socket air x 1-1/2 in. socket water, 1-1/2 in. socket return	40	20
46540100	Venturi Jet, 1/2 in. nozzle	40	20



Sweep Elbow, PVC



Wall Inlet Fittings



Eyeball Inlet Fittings



Hydrostatic Relief Valve



2 in. Plug with O-Ring



1-1/2 in. Plug with O-Ring



46540000



46550000



86204200

POOL SPECIALTY FITTINGS (CONT'D)



Vacuum Plug



86201500



Rope Hook

Valve Lid & Ring
ABS

542044



542142

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
FLOOR INLET FITTINGS			
08417-0000	2 in. Slip with 1-1/2 in. slip bushing, white ³	1	1
08417-0100	2 in. Slip with 1-1/2 in. slip bushing, gray ³	1	1
08417-0200	2 in. Slip with 1-1/2 in. slip bushing, black ³	1	1
SPECIAL FITTINGS			
46550000	Aerator Cap, 1-1/2 in. for air channel, white	50	13
46550015	Aerator Cap, 1-1/2 in. for air channel, dark gray	50	13
46550065	Aerator Cap, 1-1/2 in. for air channel, gray	50	13
510166	Hose adapter, straight, white ⁴	50	3
86201500	Aerator inlet (used as a return spray nozzle)	10	1
K12500	Snap Lock Kit Fitting	1	0.10
GW9530	Vac-port fitting, NSF listed	1	0.10
86200500	Vacuum or Winterizing plug with Oring	1	0.50
VALVE COVERS			
86300100	Valve Lid & Ring, ABS, 6 in., white	1	1
86300130	Valve Lid & Ring, ABS, 6 in., beige	1	1
GRATE INSERTS			
540056	Grate insert, 1-1/2 in. MIP, white ²	50	2
540057	Grate insert, 1-1/2 in. MIP, black ²	50	2
ROPE ANCHORS & HOOKS			
542044	Anchor Cup with SS bar, white ¹	100	24
542045	Anchor Cup with SS bar, black ¹	100	24
86201200	Anchor Cup, ABS, white	100	16
86201215	Anchor Cup, ABS dark gray	100	16
86201300	Anchor Cup, ABS with SS cross bar, white ¹	100	16
86201400	Rope Hook, 3/4 in., ABS	150	16
542142	Rope Hook for 3/4 in. rope with two SS screws	200	22
STEPS			
82400700	ABS Steps, set of three, white	1	3
82400800	ABS Steps, set of three, gray	1	3

¹ Not for use with saltwater pools.

² Not for use as a suction fitting.

³ Use only as a floor inlet fitting.

⁴ Hose to NPT fittings.

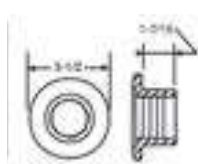
RETURN FITTINGS FOR SWIMMING POOLS



542404



542418



542404



542429



542429



542417



542402



542405



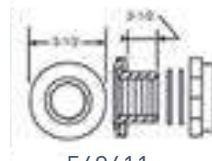
542419



542413



542411



542411



542414542413



Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
GUNITE/CONCRETE			
542402	Long body, 1-1/2 in. threaded x 1-1/2 in. socket, white	50	9
542417	Long body, 1-1/2 in. threaded x 1-1/2 in. socket, black	50	9
542404	Standard body, 1-1/2 in. threaded x 1-1/2 in. threaded, white	50	9
542405	Standard body, 1-1/2 in. threaded x 1-1/2 in. socket, white	50	9
542418	Standard body, 1-1/2 in. threaded x 1-1/2 in. threaded, black	50	9
542419	Standard body, 1-1/2 in. threaded x 1-1/2 in. socket, black	50	9
FIBERGLASS POOLS & SPAS ²			
542411	Long body, 1-1/2 in. threaded x 1-1/2 in. socket, spacer/locknut, white	50	9
542413	Standard body, 1-1/2 in. threaded x 1-1/2 in. threaded, spacer/locknut, white	50	9
542414	Standard body, 1-1/2 in. threaded x 1-1/2 in. socket, comb. spacer/locknut, white	50	9
CONCRETE-WALLED VINYL LINER POOLS ¹			
542429	Standard body, 1-1/2 in. threaded x 1-1/2 in. socket, white	50	9
VINYL LINER FITTINGS			
86205100	1-1/2 in. FIPT with screws, vinyl liner, white	50	25
86205101	1-1/2 in. FIPT with screws, vinyl liner, black	50	25
86205103	1-1/2 in. FIPT with screws, vinyl liner, dark gray	50	25
545100	Face plate for vinyl liner return fitting, white	50	10
545101	Face plate for vinyl liner return fitting, black	50	10
545103	Face plate for vinyl liner return fitting, dark gray	50	10
INSIDER FITTINGS FOR GUNITE/CONCRETE POOLS			
542423	2 in. slip body, for schedule 40 pvc pipe, white	50	7
542424	2 in. slip body, for schedule 40 pvc pipe, black	50	7

¹ Includes face plate, screws & gaskets.

² Includes back gaskets.



86205100



542411



542413



542429

WALL FITTINGS - INLETS



Directional eyeball inlets with 1-1/2 in. MIP thread to fit standard female adapter or wall fitting



Insider directional inlet wall fittings with 1/2, 3/4, 1 in. and slotted openings



Economy Insider
542000

Ordering Information

Product	Description	Carton Qty.
1-1/2 INCH THREADED DIRECTIONAL EYEBALLS		
542087	Ultimate eyeball 1-1/2 in. threaded with snap-in disks, 1/2 in., 3/4 in., 1 in., white	50
540000	Slotted opening, white	50
540001	Slotted opening, black	50
540002	Slotted opening, dark gray	50
540007	3/8 in. opening, white	50
540008	3/8 in. opening, black	50
540009	3/8 in. opening, dark gray	50
540014	1/2 in. opening, white	50
540015	1/2 in. opening, black	50
540016	1/2 in. opening, dark gray	50
540021Z	3/4 in. opening, white	50
540022	3/4 in. opening, black	50
540023	3/4 in. opening, dark gray	50
540028	1 in. opening, white	50
540029	1 in. opening, black	50
540030	1 in. opening, dark gray	50
ECONOMY INSIDER		
542000	1 in. slip inlet with snap-in 3/8 in., 3/4 in. and pressure test disks, white	300
542001	1 in. slip inlet with snap-in 3/8 in., 3/4 in. and pressure test disks, black	300
542002	1-1/2 in. slip inlet with snap-in 1/2 in., 3/4 in., 1 in., and pressure test disks, white	200
542003	1-1/2 in. slip inlet with snap-in 1/2 in., 3/4 in., 1 in., and pressure test disks, black	200
INSIDER DIRECTIONAL FITTINGS		
540035	1-1/2 in. slip inlet, 1/2 in., white	50
540036	1-1/2 in. slip inlet, 1/2 in., black	50
540037	1-1/2 in. slip inlet, 1/2 in., dark gray	50
540042	1-1/2 in. slip inlet, 3/4 in., white	50
540043	1-1/2 in. slip inlet, 3/4 in., black	50
540044	1-1/2 in. slip inlet, 3/4 in., dark gray	50
540049	1-1/2 in. slip inlet, 1 in., white	50
540050	1-1/2 in. slip inlet, 1 in., black	50
540051	1-1/2 in. slip inlet, 1 in., dark gray	50
540053	1-1/2 in. slip inlet, slot 1 in., white	50



- Available for standard in-ground and vanishing edge pools
- Helps prevent equipment damage due to low water levels
- No electronic controls
- Aids in the prevention of water waste and landscape damage due to overflowing pool
- Available with white, black, gray, and almond colored lids

Product	Description
AUTOMATIC WATER FILLERS	
T40BBE	AutoFill w/ side mounted float valve, almond
T40BBK	AutoFill w/ side mounted float valve, black
T40BG	AutoFill w/ side mounted float valve, gray
T40BDG	AutoFill w/side mounted float valve, dark gray
T40BW	AutoFill w/ side mounted float valve, white
T40FB	AutoFill w/ Fluidmaster® valve, almond
T40FBK	AutoFill w/ Fluidmaster valve, black
T40FG	AutoFill w/ Fluidmaster valve, gray



Technical drawing of the front view of the 1000 Series 1/2" component. The drawing shows a cylindrical body with a central vertical slot. The top flange has a width of 7.3. The main body has a diameter of 1.87. The bottom flange has a width of 6.1. The overall height of the component is 15.7.

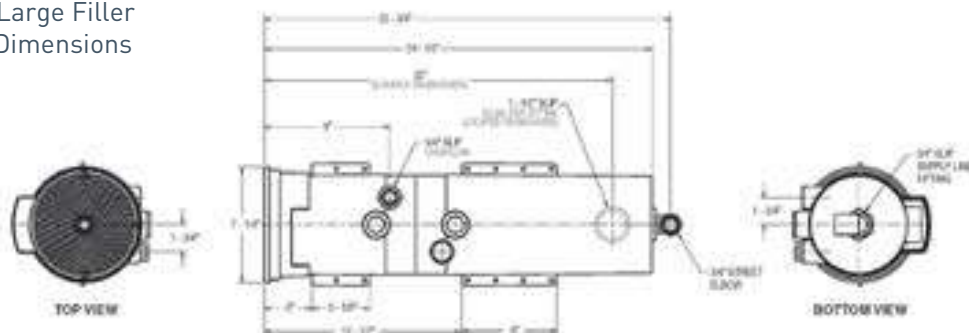
Small Filler Dimensions



Fluidmaster Valve



Large Filler Dimensions



INLINE THERMOMETERS

FOR POOL AND SOLAR APPLICATIONS



SL-2D



SL-2D

Ordering Information

Product	Description	Carton Qty.
INLINE THERMOMETER WELLS		
SWB	1/2 in. Brass well	1
SWB1	3/4 in. Brass well	1
SWN	Nylon well	1
INLINE THERMOMETER for Solar Applications		
SL2D	50/220°F. w/ 1/2 in. NPT (threaded)	1
SL2DW	50/220°F. w/ 1/2 in. Brass well	1
INLINE THERMOMETERS for Pool Applications		
SL1DW	30/130°F. w/ Nylon well	1



SL-1DW



SL-2DW3

1/2" Sweat



SL-2DW

1/2" Sweat



SWB

SWB1

SWN

FLOWMETERS

FOR COMMERCIAL AND INDUSTRIAL LIQUID APPLICATIONS



Flowmeter

Featured Highlights

- Stainless steel guide and floats
- Easy installation and maintenance; no tools required, tightens by hand
- Textured surface on back of meter for improved readability
- Easy to read GPM and LPM Scales
- Brass threaded knurled nuts for durability

Ordering Information

Product	GPM	Description	Carton Qty.	Carton Wt. (Lbs.)
SMALL BODY FLOWMETERS				
LDF359N	2-16	3/4 in., Nylon threaded end	1	3/4
LDF359T	2-16	1 in., Brass threaded end	1	1-1/4
LARGE BODY FLOWMETERS				
LDF451B	8-75	1 in., Brass sweat end	1	1-1/4
LDF461T	8-75	1-1/2 in., Brass threaded end	1	1-1/2
LDF452B	15-100	1 in., Brass sweat end	1	1-1/4



SUZHOU PRODUCTS



WHISPERFLO

HIGH PERFORMANCE PUMPS



WhisperFlo Pump

Robust thermoplastic with the Cam & Ramp™ See-Through Lid design. Self-priming, high flow with Funnel-Flo™ Diffusers. 2 in. suction and discharge ports. Motor features threaded shaft and durable commercial duty 56 frame motor.increased efficiency.

Featured Highlights

- Single phase models come with IE3 efficiency motors
- 3 phase models come with TEFC motors
- Oversized strainer basket and volute —industry standard in pool pumps
- Lower HP's deliver higher performance than industry standard
- Comatible with all cleaning systems, Various filters and jet action spas
- Heavy-duty/durable construction is designed for long life
- Designed for residential and commercial applications

Ordering Information

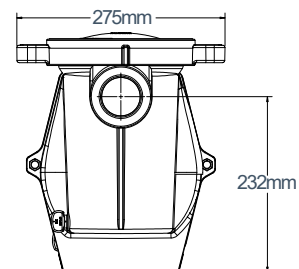
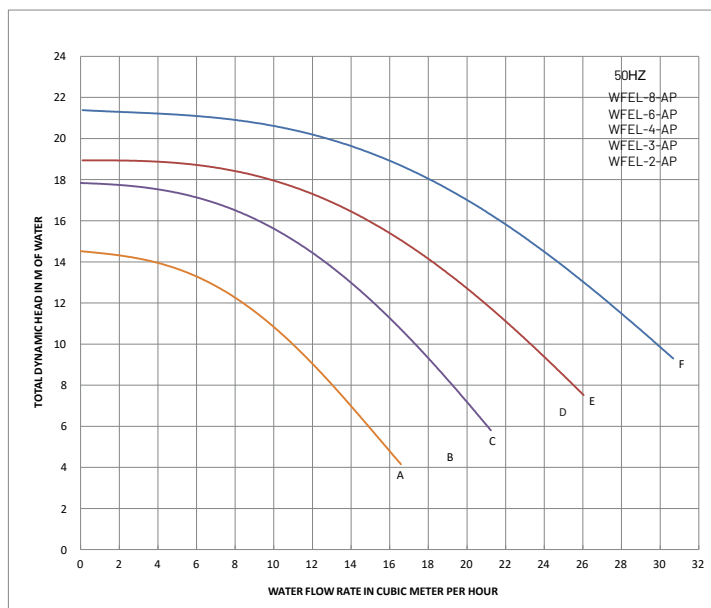
Product	Model	Voltage	Hz	Full Load Amp	Nominal HP	Primary Listings and Certifications	Port Size (NPT)	Carton Wt. (Kg)	Curve Key
SINGLE PHASE IE3-50HZ ODP									
AP347926-E3	WFEL-2-AP	115/230V	50	5.6/2.8	0.5	CE	2" x 2"	19	A
AP347927-E3	WFEL-3-AP	115/230V	50	7.2/3.6	0.75	CE	2" x 2"	19	B
AP347928-E3	WFEL-4-AP	115/230V	50	9.6/4.8	1	CE	2" x 2"	21	C
AP347929-E3	WFEL-6-AP	230V	50	6.4	1.5	CE	2" x 2"	25	E
AP347930-E3	WFEL-8-AP	230V	50	8.4	2	CE	2" x 2"	25	F
SINGLE PHASE IE3-60HZ ODP									
AP011511-E3	WFE-2-AP	115/230V	60	9.6/4.8	0.5	CE	2" x 2"	19	G
AP011512-E3	WFE-3-AP	115/230V	60	10.8/5.4	0.75	CE	2" x 2"	19	H
AP011513-E3	WFE-4-AP	115/230V	60	13/6.5	1	CE	2" x 2"	21	I
AP011514-E3	WFE-6-AP	230V	60	8.7	1.5	CE	2" x 2"	25	J
AP011515-E3	WFE-8-AP	230V	60	10	2	CE	2" x 2"	25	K
AP011516-E3	WFE-12-AP	230V	60	13.4	3	CE	2" x 2"	26	I
THREE PHASE SUPER-DUTY - 60/50HZ TEFC									
AP011641	WFK-4-AP	208-230/460V	60	4.9-4.5/2.3	1	CE	2" x 2"	21	I
		380-415V	50	2.5-2.4	1				C
AP011642	WFK-6-AP	208-230/460V	60	6.4-6.3/3.2	1.5	CE	2" x 2"	22	J
		380-415V	50	3.3-3.2	1.5				D
AP011643	WFK-8-AP	208-230/460V	60	7.5-7.2/3.6	2	CE	2" x 2"	24	K
		380-415V	50	3.5-3.4	2				E
AP011644	WFK-12-AP	208-230/460V	60	9.8-8.7/4.7	3	CE	2" x 2"	27	L
		380-415V	50	4.5-4.3	3				F

WHISPERFLO

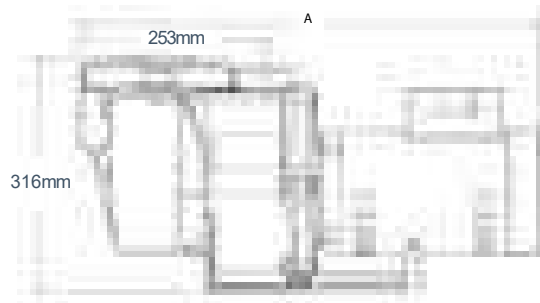
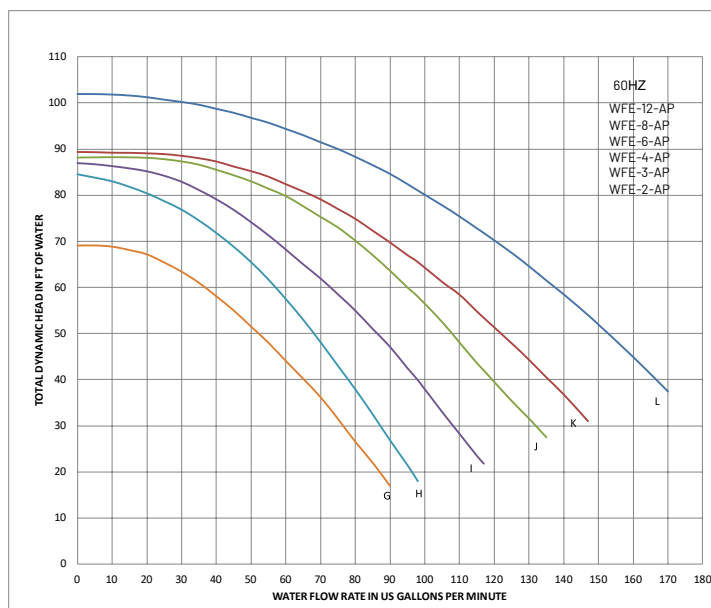
HIGH PERFORMANCE PUMPS (CONT'D)

Dimensions and Performance

50Hz Performance Curve



60Hz Performance Curve



A-VARYING LENGTH		
HP (50HZ)	HP (60HZ)	1PH
0.5	0.5	621 mm
0.75	0.75	621 mm
1	1	621 mm
1.5	1.5	642mm
2	2	642mm
-	3	642mm

A-VARYING LENGTH	
HP 60/50HZ	3PH
1.00/1.00	547mm
1.50/1.50	547mm
2.0/2.0	554mm
3.0/3.0	575mm

WHISPERFLOXF

HIGH PERFORMANCE PUMPS



WhisperFloXF Pump

Developed using the most advanced engineering tools available - CFD (Computational Fluid Dynamics) and FEA (Finite Element Analysis). The impeller design delivers high level of precision concentricity for increased efficiency.

Featured Highlights

- Single phase models come with IE3 efficiency motors
- 3 phase models come with TEFC motors
- Drop-in replacement for all WhisperFlo® Pump models.
- Union connectors included for connecting directly to 2.5 in. or 3 in. plumbing
- Extra large, robust basket with smooth surface for easy debris removal
- Easy-carry handle; easily removable ergonomic lock ring; and see-through lid for easy basket inspection

Ordering Information

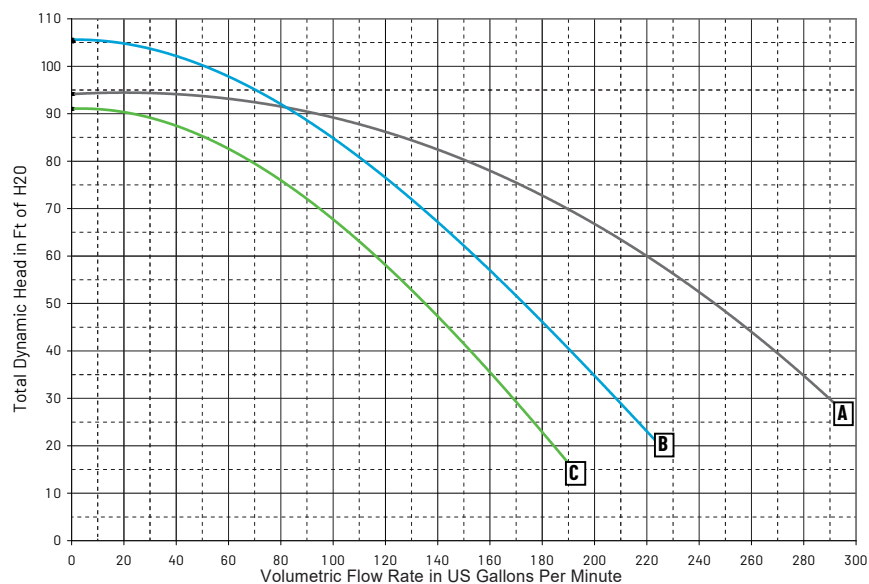
Product	Model	Voltage	Hz	Full Load Amps	Nominal HP	Primary Listings and Certifications	Port Size (NPT)	Carton Wt. (Kg)	Curve Key
SINGLE PHASE IE3 50/60HZ ODP									
AP022009-E3	XFE-8-AP	230V	60	10	2	CE	2.5x2.5" OR 3x3"	25	C
		230V	50	8.4	2				E
AP022010-E3	XFE-12-AP	230V	60	13.4	3	CE	2.5x2.5" OR 3x3"	27	B
		230V	50	11.6	3				D
AP022011-E3	XFE-20-AP	230V	60	19.5	5	CE	2.5x2.5" OR 3x3"	33	A
THREE PHASE SUPER-DUTY - 60/50HZ TEFC									
AP022017	XFK-8-AP	208-230/460V	60	7.5-7.2/3.6	2	CE	2.5x2.5" OR 3x3"	27	C
		380-415V	50	3.5-3.4	2				E
AP022018	XFK-12-AP	208-230/460V	60	9.8-8.7/4.7	3	CE	2.5x2.5" OR 3x3"	27	B
		380-415V	50	4.5-4.3	3				D
AP022019	XFK-20-AP	208-230/460V	60	13.9-13.1/6.6	5	CE	2.5x2.5" OR 3x3"	33	A

WHISPERFLOXF

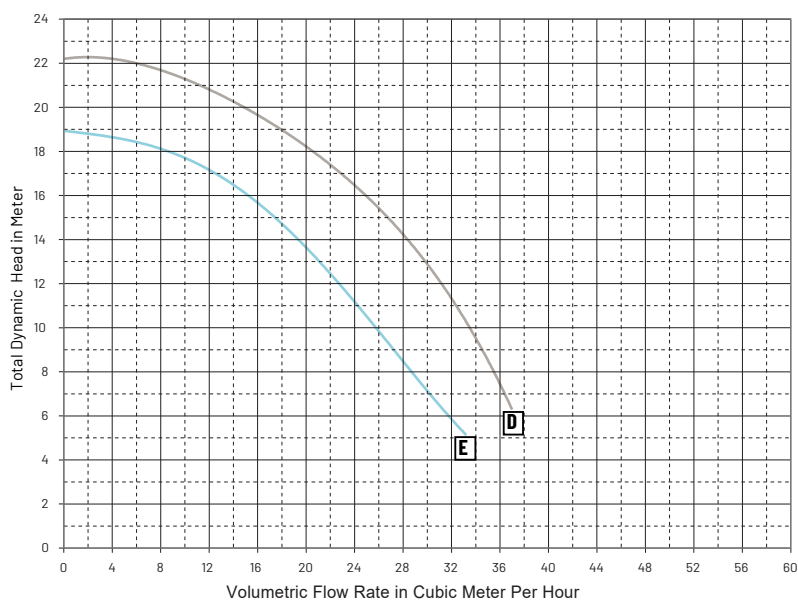
HIGH PERFORMANCE PUMPS (CONT'D)

Dimensions and Performance

60Hz Performance Curve

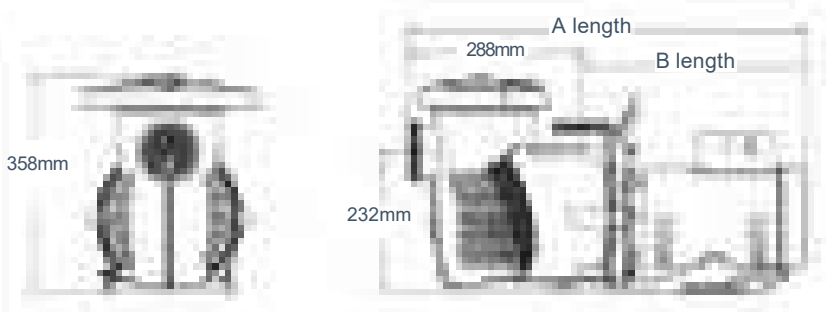


50Hz Performance Curve



60Hz Performance Data		
Flow Rate (US GPM)	Total Dynamic Head (Ft H ₂ O)	Efficiency (%)
0	105	0
20	102	10
40	98	20
60	92	30
80	82	40
100	68	50
120	52	60
140	38	70
160	25	80
180	15	90
200	8	100

50Hz Performance Data		
Flow Rate (Cubic Meter Per Hour)	Total Dynamic Head (Meter)	Efficiency (%)
0	22	0
4	21	10
8	19	20
12	17	30
16	14	40
20	11	50
24	8	60
28	5	70
32	3	80
36	1	90
40	0	100



MAX-E-PRO

HIGH-EFFICIENCY POOL/SPA PUMPS



Max-E-Pro Pump

P6 & 5P6R SERIES - High efficiency, low maintenance and maximum performance-all the features demanded by today's pool professionals. The Max-E-Pro pump has our new Quick-Lock Trap Cover Ring and the 2 in. ports incorporate internal and external threads. **Built with quality construction** using a durable one-piece pump housing constructed of industry leading glass-reinforced composite resin. Fast cleaning with a new Quick-Lock trap cover ring permits fast access to strainer basket. Large see-through lid makes it simple to check for debris. **A strong, sturdy**, specially-designed base dampens sound and vibration, making the Max-E-Pro pump one of the quietest pumps in its class.

Featured Highlights

- Typical Installation – Inground pools, pool/spa combinations, inground spas, fountains and water features
- Easy-to-Install – 2 in. ports include external and internal threads for more plumbing options
- Efficient Hydraulic Design-Moves Larger Volumes of water, resulting in lower operating costs
- Impeller Manufactured with PPO Resin – Withstands the toughest water environments
- EDPM Rubber Shaft Seal – Longer-lasting seal stands up to the harshest environments
- Self-lubricating Lid O-ring – Does not require lubricant
- Comes with IE3 efficiency motor

Ordering Information

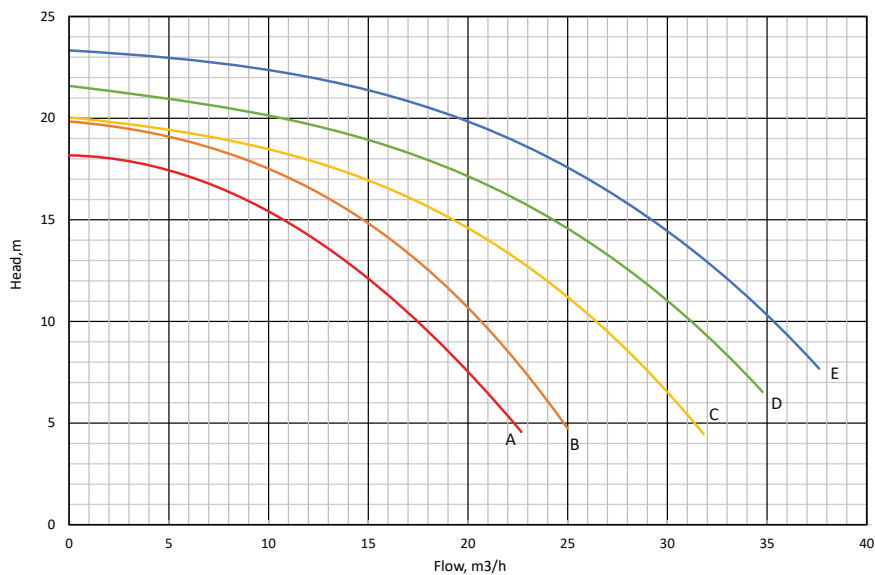
Product	Voltage	Hz	Full Load Amps	Nominal HP	Primary Listings and Certifications	Port Size (NPT)	Carton Wt. (Kg)	Curve Key
SINGLE PHASE IE3-50HZ ODP								
AP5P6R6D-E3	115/230	50	7.2/3.6	0.75	CE	2" x 2"	18	A
AP5P6R6E-E3	115/230	50	9.6/4.8	1	CE	2" x 2"	19	B
AP5P6R6F-E3	230	50	6.4	1.5	CE	2" x 2"	22	C
AP5P6R6G-E3	230	50	8.4	2	CE	2" x 2"	23	D
AP5P6R6H-E3	230	50	11.6	3	CE	2" x 2"	27	E
SINGLE PHASE IE3-60HZ ODP								
AP6EA6E-E3	115/230	60	10.8/5.4	1	CE	2" x 2"	21	F
AP6EA6F-E3	115/230	60	13/6.5	1.5	CE	2" x 2"	22	G
AP6EA6G-E3	230	60	8.7	2	CE	2" x 2"	25	H
AP6EAA6G-E3	230	60	10	2.5	CE	2" x 2"	26	I
AP6E6H-E3	230	60	13.4	3	CE	2" x 2"	29	J
THREE PHASE IE3-50HZ ODP								
AP5P6R6D3-E3	230/380-415	50	2.8/1.6	0.75	CE	2" x 2"	18	A
AP5P6R6E3-E3	230/380-415	50	3.5/2.0	1	CE	2" x 2"	19	B
AP5P6R6F3-E3	230/380-415	50	4.7/2.7	1.5	CE	2" x 2"	22	C
AP5P6R6G3-E3	230/380-415	50	6.1/3.5	2	CE	2" x 2"	23	D
AP5P6R6H3-E3	230/380-415	50	7.8/4.5	3	CE	2" x 2"	27	E

MAX-E-PRO

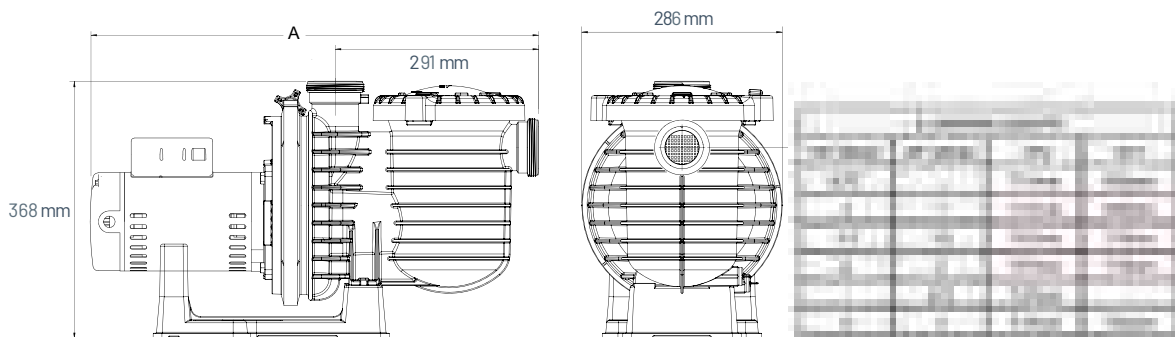
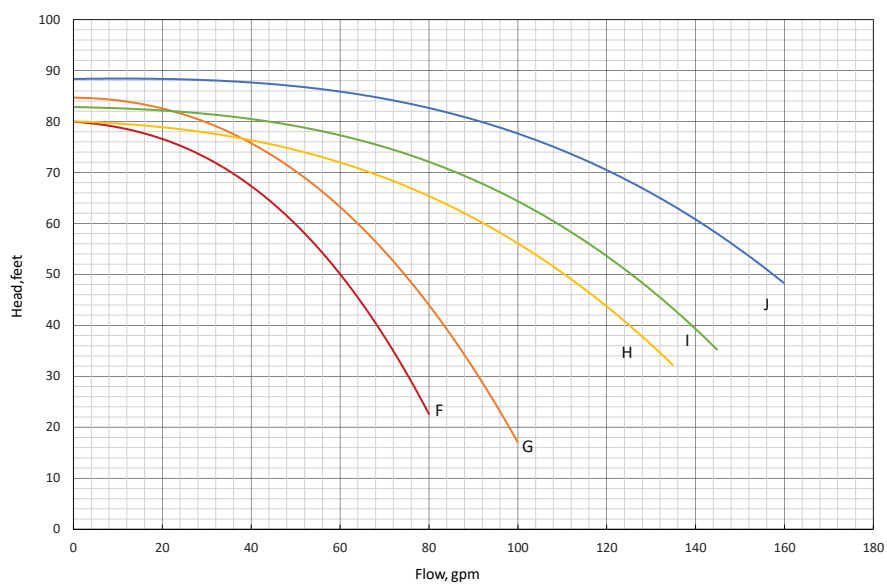
HIGH-EFFICIENCY POOL/SPA PUMPS (CONT'D)

Dimensions and Performance

50Hz Performance Curve



60Hz Performance Curve



MAX-E-PROXF

HIGH PERFORMANCE PUMPS



Max-E-ProXF Pump

Developed using the most advanced engineering tools available - CFD (Computational Fluid Dynamics) and FEA (Finite Element Analysis). The impeller design delivers high level of precision concentricity for increased efficiency.

Featured Highlights

- Typical Installation – Inground pools, pool/spa combinations, inground spas, fountains and water features
- Drop-in replacement for all Max-E-Pro® Pump models.
- Union connectors included for connecting directly to 2.5 in. or 3 in. plumbing
- Extra large, robust basket with smooth surface for easy debris removal
- Easy-carry handle; easily removable ergonomic lock ring; and see-through lid for easy basket inspection
- Three Phase XF pumps are compatible with Pentair's Acu Drive XS VFD's

Ordering Information

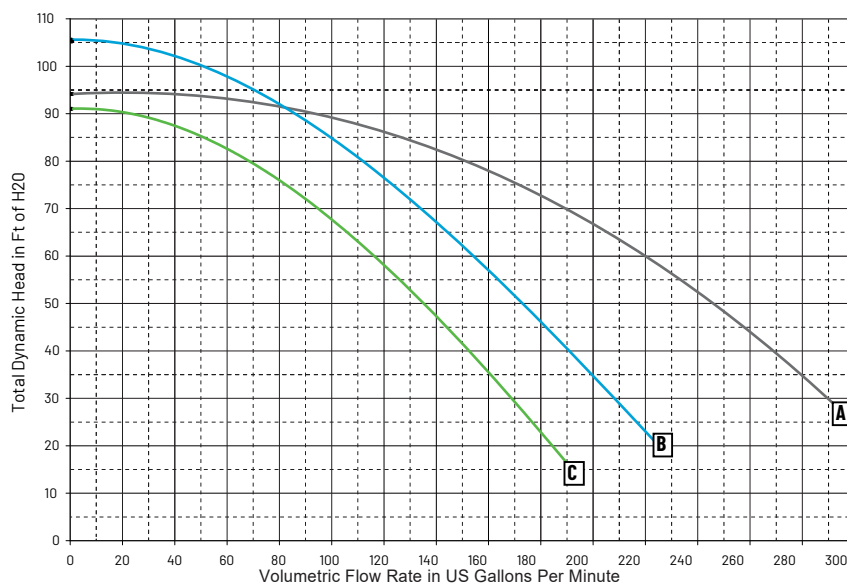
Product	Model	Voltage	Hz	Full Load Amps	Nominal HP	Primary Listings and Certifications	Port Size (NPT)	Carton Wt. (Kg)	Curve Key
THREE PHASE SUPER-DUTY - 60/50HZ TEFC									
AP023017	XPK-8-AP	208-230/460V	60	7.5-7.2/3.6	2	CE	2.5x2.5" OR 3x3"	27	C
		380-415V	50	3.5-3.4	2				E
AP023018	XPK-12-AP	208-230/460V	60	9.8-8.7/4.7	3	CE	2.5x2.5" OR 3x3"	27	B
		380-415V	50	4.5-4.3	3				D
AP023019	XPK-20-AP	208-230/460V	60	13.9-13.1/6.6	5	CE	2.5x2.5" OR 3x3"	33	A

MAX-E-PROXF

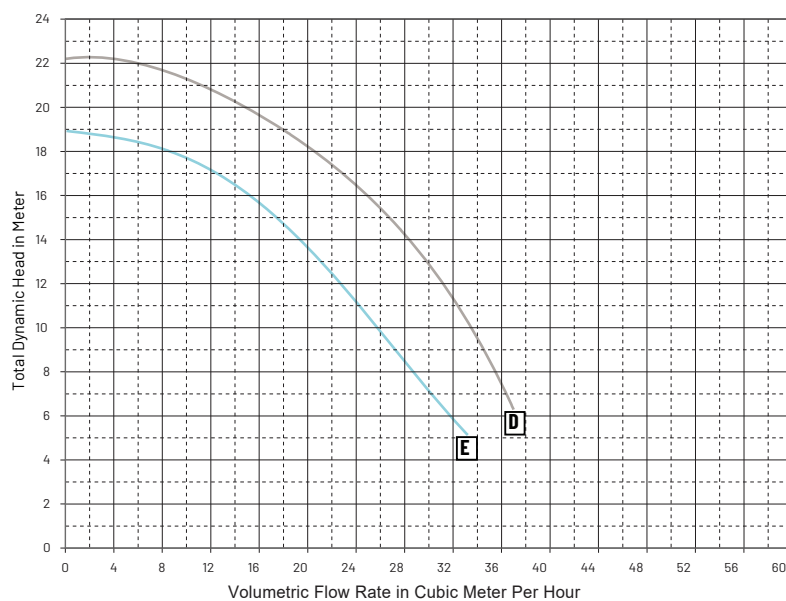
HIGH PERFORMANCE PUMPS (CONT'D)

Dimensions and Performance

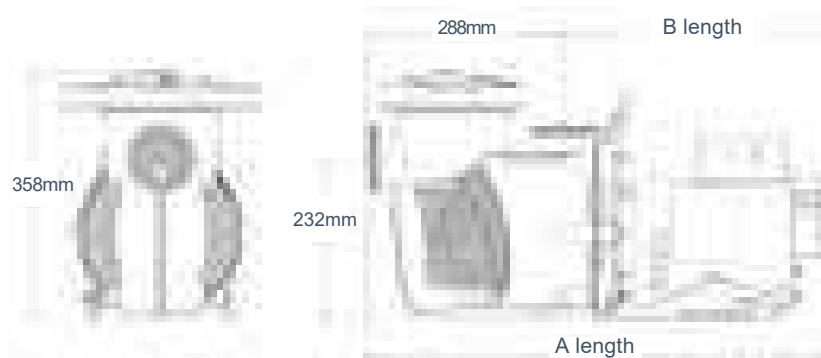
60Hz Performance Curve



50Hz Performance Curve



B-VARYING LENGTH	
HP 60/50HZ	3PH
2.0/2.0	314mm
3.0/3.0	332mm
5.0	353mm
A-VARYING LENGTH	
HP 60/50HZ	3PH
2.0/2.0	602mm
3.0/3.0	620mm
5.0	641mm



SUPERMAX

HIGH PERFORMANCE PUMPS



SuperMax Pump

The SuperMax Pump features a commercial grabe, 56 square flange motor for top performance in residential swimming pools. SuperMax pump is a superior dropin replacement for Super Pump. Consumers enjoy its economical performance. Pool professionals benefit from its ease of installation and reliability.

Featured Highlights

- SuperMax pump by Sta-Rite is a direct replacement for the Hayward® Super Pump®
- Single and two-speed models ranging from 3/4 to 2 HP
- Cam and Ramp™ Lid locks and unlocks with a simple quarter turn
- Exterior thermoplastic resin withstands temperature extremes and delivers long life
- Unionized fittings included (1-1/2 in. internal slip and 2 in. external slip)
- Comes with IE3 premium efficiency motor

Ordering Information

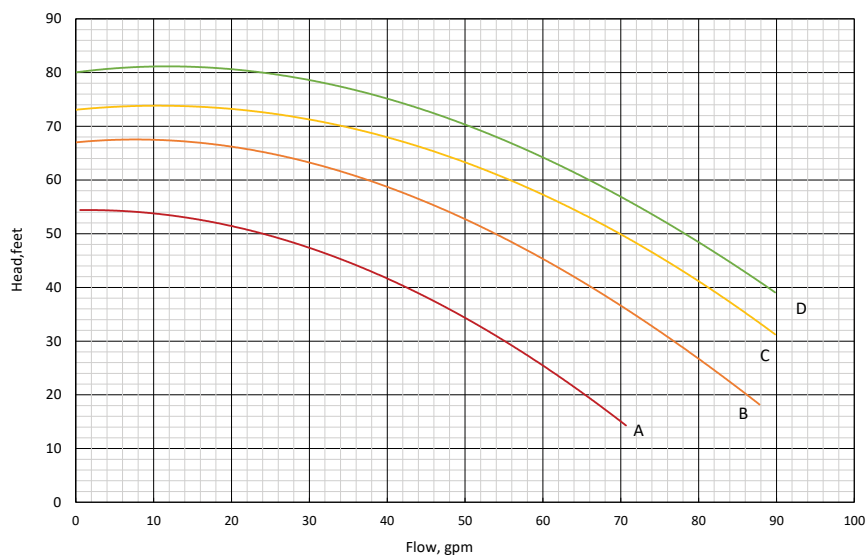
Product	Voltage	Hz	Full Load Amps	Nominal HP	Primary Listings and Certifications	Port Size (NPT)	Carton Wt. (Kg)	Curve Key
SINGLE PHASE IE3 60/50HZ								
APHK2RA6D-E3	115/230	60	9.5/4.9	0.75	CE	1-1/2" x 1-1/2"	18	A
	115/230	50	6.2/2.8	0.50				E
APHK2RA6E-E3	115/230	60	10.8/5.4	1.0	CE	1-1/2" x 1-1/2"	18	B
	115/230	50	7.2/3.6	0.75				F
APHK2RA6F-E3	115/230	60	13/6.5	1.5	CE	1-1/2" x 1-1/2"	19	C
	115/230	50	9.6/4.8	1.0				G
APHK2RA6G-E3	230	60	8.7	2.0	CE	1-1/2" x 1-1/2"	22	D
	230	50	6.4	1.5				H

SUPERMAX

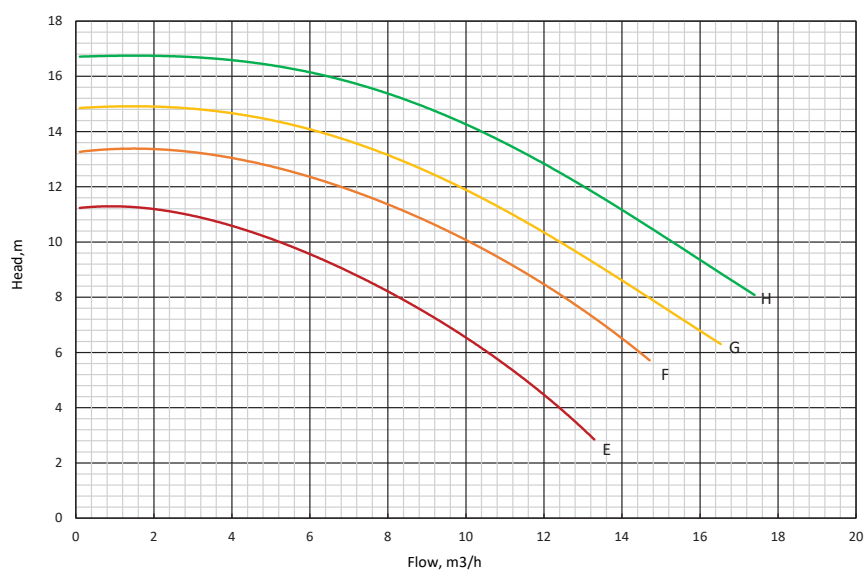
HIGH PERFORMANCE PUMPS (CONT'D)

Dimensions and Performance

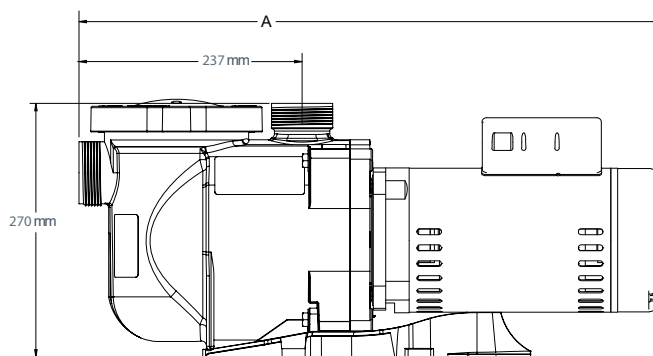
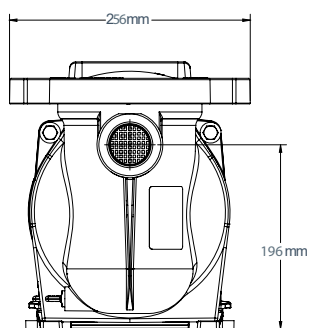
60Hz Performance Curve



50Hz Performance Curve



A-VARYING LENGTH	
HP (60/50HZ)	1PH
0.75/0.5	627mm
1.0/0.75	627mm
1.5/1.0	627mm
2.0/1.5	647mm



FREEFLO

THE COMPETITIVE PUMP FOR IN-GROUND AND ABOVE-GROUND POOLS.



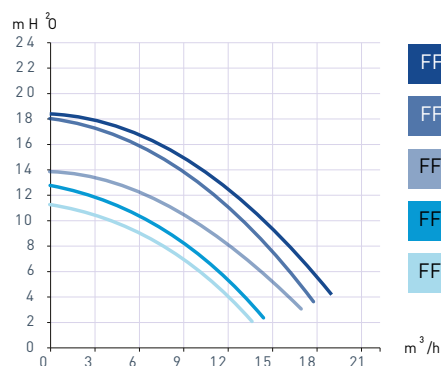
FREEFLO

Featured Highlights

- Single piece see-through Cam & Ramp lid for easy cleaning access and inspection
- Large self-aligning basket to hold debris and easy maintenance
- 50 mm swivel union fittings included for better sealing and easy installation
- 90° rotatable pump discharge for customised installation.
- Heavy duty TEFC motor for long life & continuous use, thermally protected
- Full mono-block design for silent operation
- 1.5 m long cable included for ease of installation
- Inlet/Outlet → 50 mm
- Ø Unions → 50 mm ID.
- Unions included → Yes
- Salt resistance → No

Ordering Information

Part Number	Power output		Volt	Phase	Width	Length	Weight
	(kW)	(HP)	(V)		(mm)	(A) (mm)	(Kg)
SINGLE PHASE 50HZ-TEFC							
APFFL-031	0.25	0.375	220-240	1~	230	540	10
APFFL-051	0.31	0.5	220-240	1~	230	540	10.5
APFFL-071	0.55	0.75	220-240	1~	230	562	11.5
APFFL-101	0.75	1	220-240	1~	230	562	12.5
APFFL-151	1.1	1.5	220-240	1~	230	600	14.5

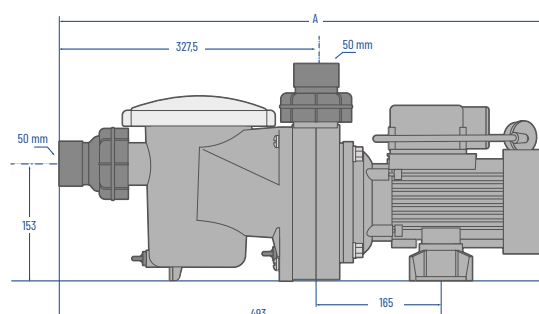


FEATURES

- ¼ turn opening lid
- XL strainer basket
- Quick self priming
- Swivel unions included
- Long cable included
- 90° rotatable pump discharge

BENEFITS

- Easy opening and locking
- Easier and less-frequent maintenance
- Quick and safe start of the pump
- Fit also with above-ground pools and easy assembly
- Easier installation and direct plugging into power socket
- Allow customized installation



EQ SERIES

COMMERCIAL PLASTIC PUMP WITH HAIR AND LINT STRAINER

Featured Highlights

- IE3 TEFC motors
- Commercial grade, non corrosive Plastic Parts for durability and long life
- Cam and Ramp See -Through Lid
- Self-priming with Hair and Lint Strainer
- Light weight
- Compatible with Acu Drive XS VF Drive
- Drop-in replacement for C Series and CSP Series Pumps
- Easy cleaning and serviceability



EQ Series TEFC Pump with Strainer

Commercial Plastic pump built specifically for commercial and large residential pools. Pump features electrical and hydraulic designs that helps reduce electrical costs, less wear and tear on critical moving parts, and quiet operation.

Ordering Information

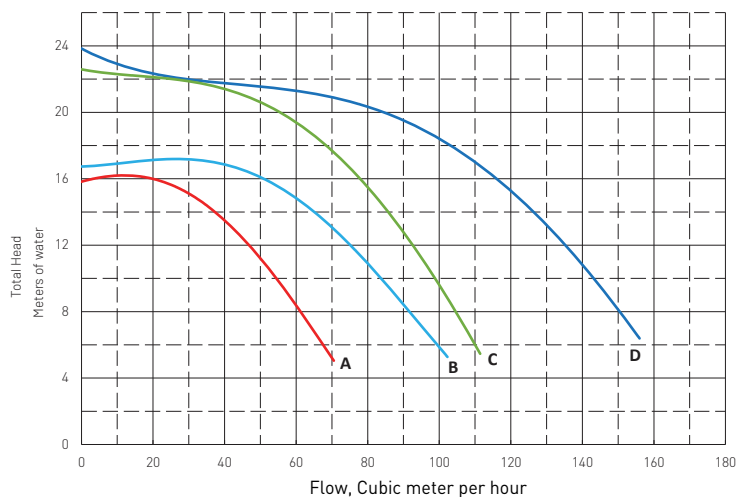
Product	Model	Voltage	Hz	Full Load Amps	Nominal HP	Primary Listings and Certifications	Port Size (ANSI Flange)	Carton Wt. (kg)	Curve Key
IE3 EFFICIENCY THREE PHASE POOL PUMP WITH STRAINER - 50HZ TEFC									
AP340082	EQK-300-AP	230/400V	50	7.01/4.05	3	CE	6" x 4"	59	A
AP340081	EQK-500-AP	230/400V	50	11.8/6.8	5	CE	6" x 4"	63	B
AP340080	EQK-750-AP	230/400V	50	17.3/10.0	7.5	CE	6" x 4"	77	C
AP340049	EQK-1000-AP	230/400V	50	23.1/13.3	10	CE	6" x 4"	91	D
IE3 EFFICIENCY THREE PHASE POOL PUMP WITH STRAINER - 60HZ TEFC									
AP340604	EQKT-500-AP	208-230/460V	60	12.7-11.5/5.77	5	CE	6" x 4"	59	E
AP340605	EQKT-750-AP	208-230/460V	60	18.7-17.0/8.48	7.5	CE	6" x 4"	76	F
AP340606	EQKT-1000-AP	208-230/460V	60	25.8-22.6/11.3	10	CE	6" x 4"	81	G
AP340607	EQKT-1500-AP	208-230/460V	60	35.6-33.0/16.5	15	CE	6" x 4"	91	H

EQ SERIES

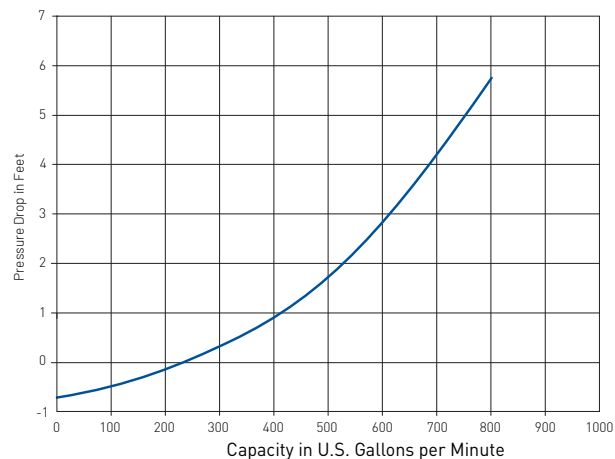
COMMERCIAL PLASTIC PUMP WITH HAIR AND LINT STRAINER

Dimensions and Performance

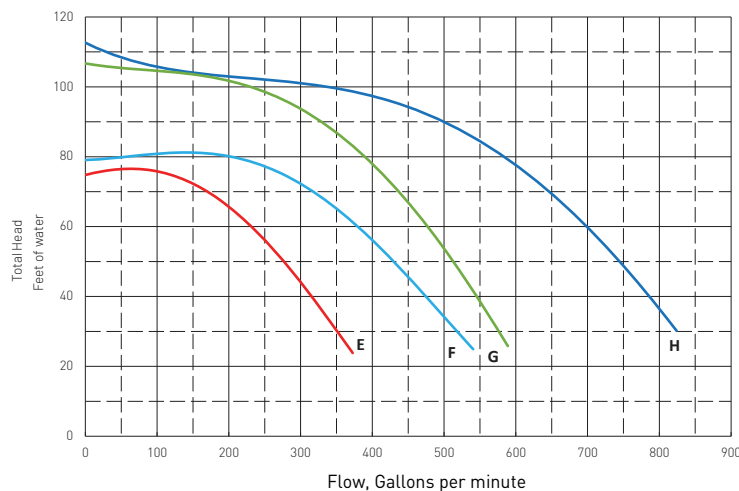
EQ Series 50hz Performance Curves



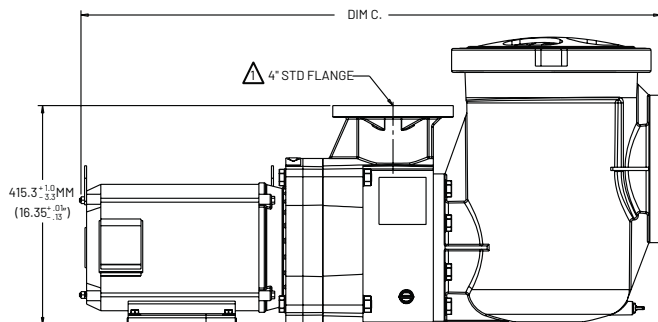
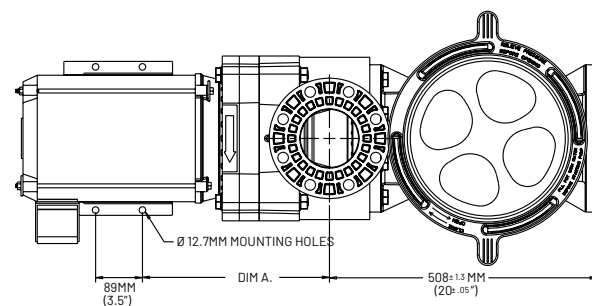
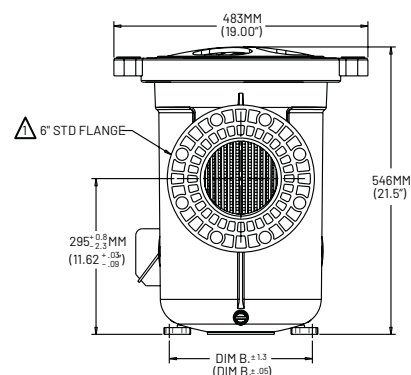
EQ Strainer Only



EQ Series 60hz Performance Curves



USE ANSI CLASS 150 PLASTIC FLANGE AND 1/8" THICK CLASS 150 FULL FLANGE GASKET TO MAKE CONNECTION.



Product No.	Dim A* mm (inch)	Dim B* mm (inch)	Dim C* mm (inch)
AP340082	338.8 (13.34)	266.7 (10.5)	1068.3 (42.06)
AP340081	338.8 (13.34)	266.7 (10.5)	1068.3 (42.06)
AP340080	360.4 (14.19)	292.1 (11.5)	1126.7 (44.36)
AP340049	360.4 (14.19)	292.1 (11.5)	1126.7 (44.36)
AP340604	338.8 (13.34)	266.7 (10.5)	1068.3 (42.06)
AP340605	360.4 (14.19)	292.1 (11.5)	1126.7 (44.36)
AP340606	360.4 (14.19)	292.1 (11.5)	1126.7 (44.36)
AP340607	360.4 (14.19)	292.1 (11.5)	1126.7 (44.36)

* This value may vary slightly depending upon manufacturer and motor design

XCP

COMMERCIAL END SUCTION CENTRIFUGAL PUMPS

Featured Highlights

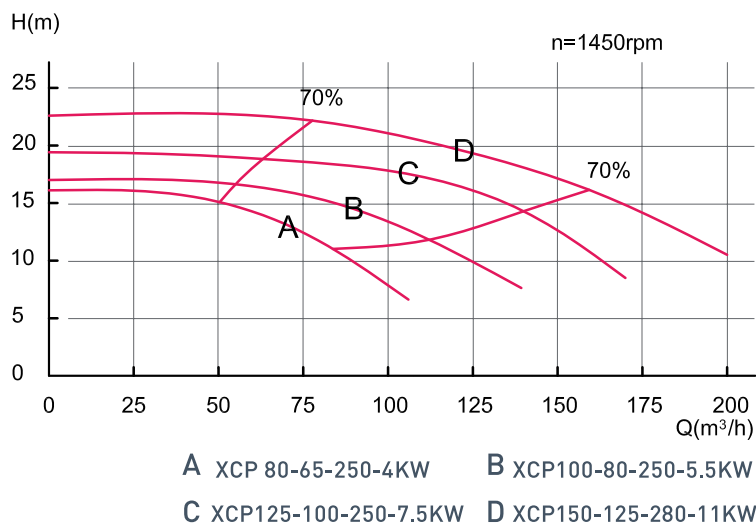
- Motor is suitable for most VFD's.
- Use of Burgmann commercial mechanical seal guarantees best performance.
- SKF bearings are selected to provide the most durable and efficient performance ever
- Internal three phase thermistor to protect motor.
- comes with epoxy coating to improve corrosion resistance



Ordering Information

PN	Model Number	Product Description	KW	Phase	Voltage	RPM	KG
XCP PUMPS 50HZ							
2501	XCP -2501	XCP 80-65-250-4KW with strainer	4	3	380	1450	122
2502	XCP -2502	XCP100-80-250-5.5KW with strainer	5.5	3	380	1450	127
2503	XCP -2503	XCP125-100-250-7.5KW with strainer	7.5	3	380	1450	130
2504	XCP -2504	XCP150-125-280-11KW with strainer	11	3	380	1450	136
ACCESSORIES							
XCP 80-65-250-4KW		XCP100-80-250-5.5KW		XCP125-100-250-7.5KW		XCP150-125-280-11KW	
31440150	Motor 4KW IE3	31440160	Motor 5.5KW IE3	31440170	Motor 7.5KW IE3	31460140	Motor 11KW IE3
13022850	Impeller	13022860	Impeller	13022870	Impeller	13022840	Impeller
18031270PL	Mechanical seal	18033210PL	Mechanical seal	18031330PL	Mechanical seal	18022090PL	Mechanical seal
151001	Strainer	151002	Strainer	151003	Strainer	151004	Strainer

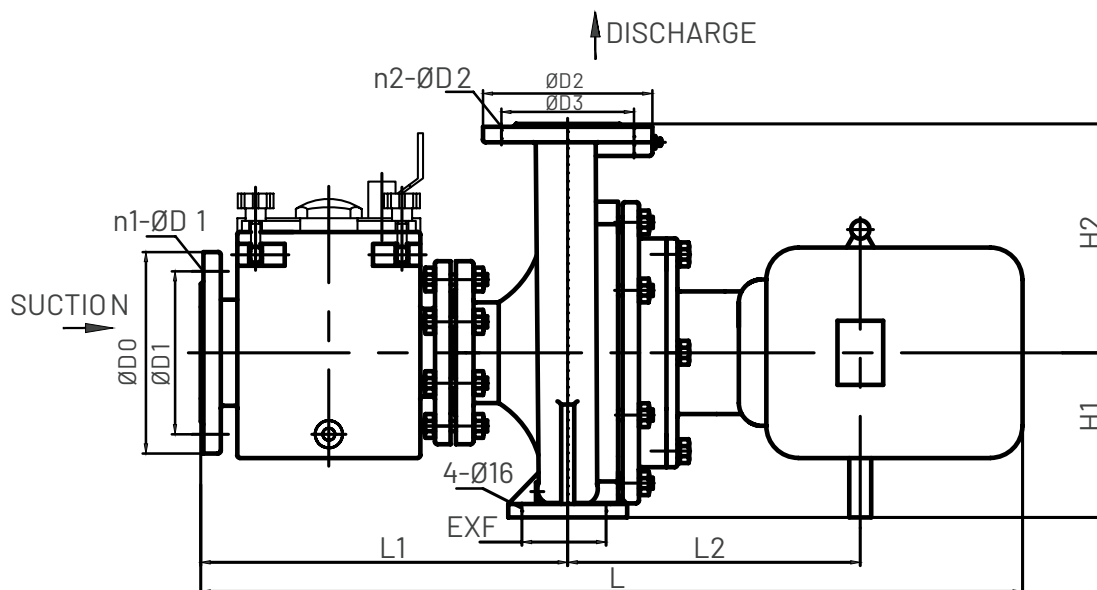
Dimensions and Performance



XCP

COMMERCIAL END SUCTION CENTRIFUGAL PUMPS

Dimensions and Performance



PUMP TYPE	SUCTION DIMENSION				DISCHARGE DIMENSION				OUTLINE DIMENSION					
	DN	D0	D1	n1- $\varnothing$ d1	DN	D2	D3	n2- $\varnothing$ d2	L1	L2	L	ExF	H1	H2
XCP 80-65-250	$\varnothing100$	$\varnothing220$	$\varnothing180$	8- $\varnothing18$	$\varnothing65$	$\varnothing185$	$\varnothing145$	4- $\varnothing18$	432	320	897	100x315	180	250
XCP 125-100-250	$\varnothing125$	$\varnothing250$	$\varnothing210$	8- $\varnothing18$	$\varnothing80$	$\varnothing200$	$\varnothing160$	8- $\varnothing18$	484	320	1005	130x315	200	280
XCP 150-125-280	$\varnothing150$	$\varnothing285$	$\varnothing240$	8- $\varnothing22$	$\varnothing100$	$\varnothing220$	$\varnothing180$	8- $\varnothing18$	587	318	1127	160x315	225	315
XCP 150-125-280	$\varnothing200$	$\varnothing340$	$\varnothing295$	12- $\varnothing22$	$\varnothing125$	$\varnothing250$	$\varnothing210$	8- $\varnothing18$	653	385	1293	200x315	250	355

- Installation site must be dry and clean
- Good ventilation
- Keep away from heating and chemical equipment
- Make sure pump vibration proof device in place
- Allow sufficient space for maintenance
- Proper wiring and electricity stability is required.

BRUSHES AND SCRUBBERS

POOL, SPA, DECK AND TILE BRUSHES

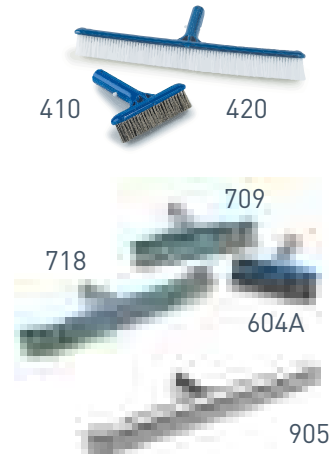
Featured Highlights

Curved Brushes

- UV stabilized polypropylene or nylon bristles.
- Snap-adapt handle fits most poles
- Aluminum Back Brushes with strong die cast aluminum back
- Molded Brushes with heavy-duty one piece molded construction

Stainless Steel Algae Brushes

- All algae brushes feature quality stainless steel bristles
- Perfect for removing tough algae on plaster surfaces
- Snap-adapt handle fits most poles



Pool, Spa, Deck and Tile Brushes

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
CURVED BRUSHES				
APR111342	905	24 in. Aluminum Back Blue nylon	12	19
APR111366	912	18 in. Molded Back White polypropylene	12	10
APR500013	420	18 in. Molded Back White polypropylene	12	9
ALGAE BRUSH - (NOT FOR VINYL LINER POOLS)				
APR500012	410	6 in. Molded Back, Stainless Steel for Plaster, Concrete, Gunite	12	7
APR111616	604A	6 in. Aluminum Back, Stainless Steel for plaster, Concrete, Gunite	12	6
APR111626	709	9 in., Aluminum Back Stainless Steel for plaster, Concrete, Gunite	12	9
APR111646	718	18 in., Aluminum Back Stainless Steel for plaster, Concrete, Gunite	12	15

¹ Not for use on vinyl liner pools.

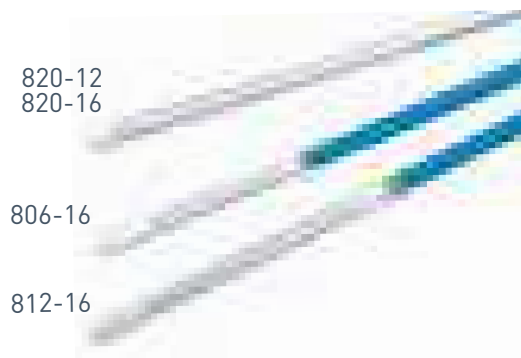
Note: All items with snap-adapt handle include a high performance Acetal Resin Spring and will snap into all standard poles or can be bolted on, if preferred, simply by removing the Acetal Resin Spring.

POLES



Featured Highlights

- **Telescopic Poles** are constructed of high quality drawn aluminum tubing. The 1-1/8 in. OD inside tube is clear anodized and the 1-1/4 in. OD outer tube is bright blue anodized. Each has a bicycle type vinyl hand grip and packed in a protective poly sleeve. **Featured Highlights**



Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
POLES				
APS191106	820-12	1 piece Straight clear anodized pole -12 ft. w/ pole cap	12	28
APS500070	406-16	2 piece telescopic "ribbed" pole - E-Z lock Cam - 8 ft.-16 ft.	12	28
APS191306	806-16	2 piece telescopic pole - E-Z lock Cam - 8 ft. to 15-1/2 ft., blue	12	35
APS191046	812-16	2 piece telescopic pole - Metal Cam - 8 ft. to 15-1/2 ft.	12	36
APS191066	812-8	2 piece telescopic pole - Metal Cam - 4 ft. to 7-1/2 ft.	12	21
APS191088	806-24	Commercial Aluminum Pole - 12 ft. to 23-1/2 ft. E-Z Lock	12	52
APS191090	812-24	Commercial Aluminum Pole - 12 ft. to 23-1/2 ft. Metal cam	12	52

HAND SKIMMERS AND LEAF RAKES

Featured Highlights

Snap-adapt handles allow for use with most poles

Hand Skimmers

- Heavy-duty reversible nets stand up to tough wear

122 Leaf Rake

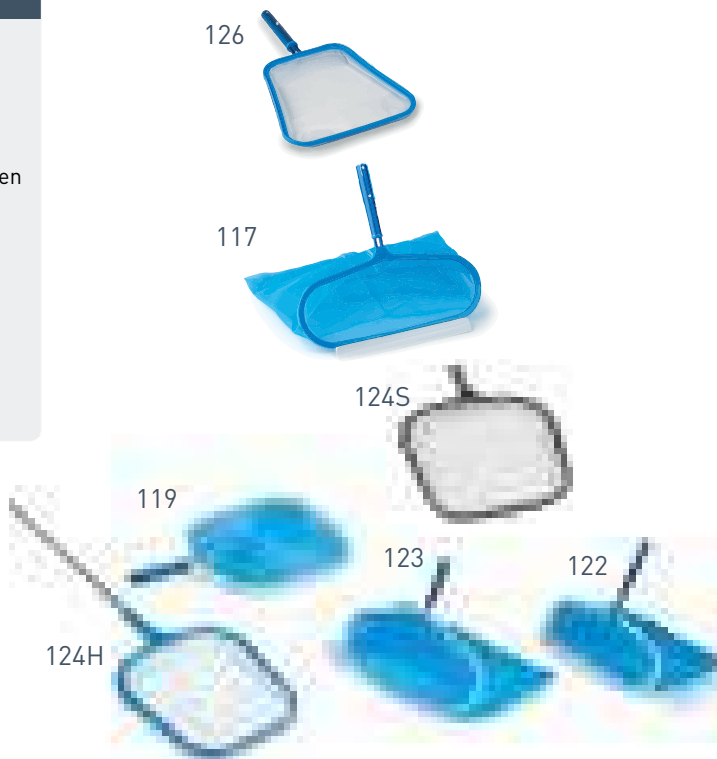
- Designed to easily remove leaves and debris. Screen and frame completely covered with squeegee for scraping fine, loose debris on pool bottom

123 Econo Leaf Rake

- ABS molded frame with aluminum reinforcement

117 Pro Leaf Rake

- Replaceable snap-on frame and net fits on 3/8 in. solid anodized aluminum rod
- Featured Highlights



Hand Skimmers and Leaf Rakes

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
HAND SKIMMERS				
APR121026	119	Molded Frame Skimmer reinforced with aluminum and aluminum handle	12	8
APR121166	124S	Spa/Aboveground Skimmer, screen molded into frame, with magnet	12	7
APR121186	124H	Long Handle Skimmer, molded frame with 1 in. x 4 ft. pole	12	11
APR121196	126	Professional Grade Heavy-duty Skimmer, 3/8 in. solid aluminum rod, Deep net molded into ABS snap-on replacement frame	12	13
LEAF RAKES				
APR121106	122	Leaf rake, 3/8 in. aluminum rod with attached handle and heavy-duty fiberglass screen	12	18
APR121126	123	Econo leaf rake, ABS molded frame reinforced with aluminum, frame has raised lip for scraping bottom	12	10
APR121230	117	Pro leaf rake, replaceable frame and net snaps onto 3/8 in. solid aluminum rod, replaceable squeegee strip	12	18

VINYL LINER POOL VACUUMS



193



194

Featured Highlights

193 Vinyl Liner Vacuum

- Oval shaped blue ABS with protective vinyl bumper. Ideal for vinyl liner pools or use on new plaster pools. Replaceable brushes, enclosed lead weights and snap-adapt handle. Fits 1-1/4 in. or 1-1/2 in. vacuum hose.

194 Econo Triangular Vacuum

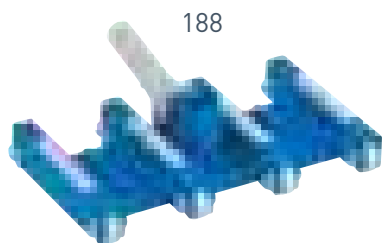
- Sand weighted ABS body with replaceable brushes and snap-adapt handle. Fits 1-1/4 in. or 1-1/2 in. vacuum hose.

Ordering Information

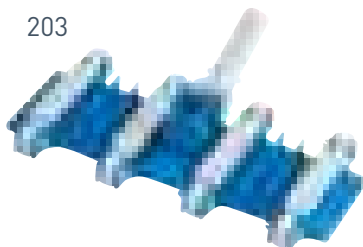
Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
VINYL LINER POOL VACUUMS				
APR201350	193	Vinyl liner vacuum, clam shell display pack	6	21
APR201392	194	Econo triangular vacuum, clam shell display pack	6	26

Note: All items with snap-adapt handle include a High Performance Acetal Resin spring and will snap into all standard poles or can be bolted on if preferred simply by removing Acetal Resin spring.

FLEXIBLE POOL VACUUMS CONCRETE POOLS



188



203

Featured Highlights

188 Flexible Pool Vacuum

- Rugged polyethylene housing with enclosed weights. Adjustable solid molded wheels with stainless steel fasteners. Snap-adapt handle.

203 Superflex 14 in. Flexible Pool Vacuum

- Has factory set replaceable molded wheels and fasteners. Includes covered weights and snap-adapt handle with stainless steel wall-hugging spring device.

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
FLEXIBLE POOL VACUUMS				
APR201112	188	12 in. flexible vacuum, clam shell display pack	6	35
APR201388	203	Superflex 14 in. flexible vacuum, clam shell display pack	6	25

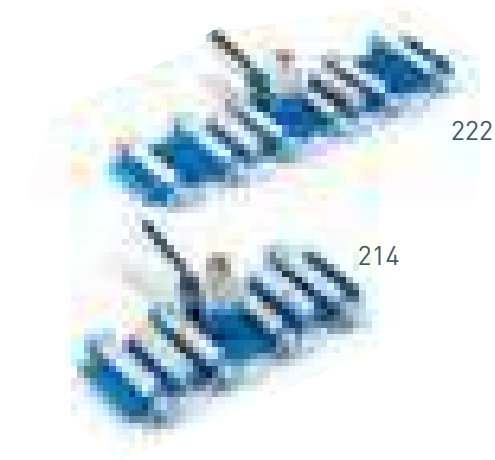
PROVAC®

FLEXIBLE COMMERCIAL VACUUMS

Featured Highlights

ProVac Residential & Commercial Vacuums

- The ProVac vacuum cleans a pool bottom in half the time
- Suction chamber concentrates vacuum velocity equally
- Full width flex strips guide debris into the suction chamber
- All wheels are adjustable to increase or decrease the vacuum velocity
- Includes 1-1/2 in. vac hose swivel connection



Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
PROVAC SERIES RESIDENTIAL & COMMERCIAL VACUUMS				
APR201276	214	14 in. Commercial model, metal swivel handle, ball bearing wheels, SS nut and bolt, boxed	6	46
APR201286	222	22 in. Commercial model, metal swivel handle, ball bearing wheels, stainless steel shaft, boxed	1	9

MINI VAC / VAC-MATE VACUUM / SKIMMER



204

Featured Highlights

Mini Vac Vacuum
Cleans spas, above ground pools, ponds, fountains and spot cleans large pools

- Designed for use with a garden hose or 1-1/4 in. or 1-1/2 in. vacuum hose
- Mini Vac Vacuum comes complete with silt bag, hose adapter, shut-off valve for garden hose use and snap-adapt handle for attaching PVC or telescopic poles
- Includes brush attachment for use on vinyl, fiberglass or smooth plaster surfaces and a nozzle attachment with wheel for use on rougher surfaces or spot cleaning large pools

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
MINIVAC VACUUM				
APR201146	204	Mini Vac Vacuum, display box.	12	13

THERMOMETERS

Featured Highlights

High-quality pool and spa thermometers help deliver accurate temperature readings for greater enjoyment of recreational water. Pool thermometers also provide crucial information about the performance of pool heating systems.



Thermometers

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
THERMOMETERS				
APR141036	127	Tube thermometer, ABS case, 3 ft. cord, bubble pack	24	4
APR141106	133	Floating thermometer, ABS tube, flotation cap with color label, bubble pack	24	6



Admiral S20 Skimmers have a PVC reinforced twin port base. S20 may be purchased with equalizer for commercial or for when the second port is connected to the main drain.

- Admiral 15 Skimmers: High strength ABS body
- Admiral S20 Skimmers: Reinforced PVC base
- Slip FIPT, 1-1/2 inch or 2 inch
- Variety of throat lengths
- Easy to install
- Innovative lock down lid
- 1-1/2 inch and 2 inch ports
- Lid extension collars
- Flap weir or the circular weir

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
S15 SKIMMERS FOR CONCRETE CONSTRUCTION			
AP84120100	S15, circ. weir, 1-1/2 in., threaded	1	10
AP84120200	S15, circ. weir, 2 in., threaded	1	10
AP84900300	S15, flap weir, 1-1/2 in., threaded	1	10
S20 SKIMMERS FOR CONCRETE CONSTRUCTION			
AP84420405	S20, flap weir, no equalizer, 1-1/2 in. slip	1	10
AP84420600	S20, flap weir, equalizer, 2 in. threaded, FIPT 1	1	12
AP84420630	S20, circ. weir, equalizer, 2 in. slip, tan 1	1	12
AP84420705	S20, circ. weir, no equalizer, 2 in. slip	1	10
S20 SKIMMERS FOR FIBERGLASS POOLS			
AP85001900	Vacuum plate adapter, S15 & S20	1	0.50
AP85007400Z	Lock down lid for existing Admiral skimmers, white	1	0.50

DRAINS AND FITTINGS GUTTER DRAINS

Featured Highlights

Pentair gutter drains come with an extra deep socket connection

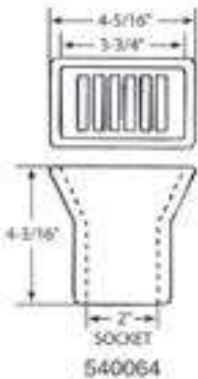


540064

Ordering Information

Product	Description	Flow Rate (GPM)	Open Area (Sq. In.)	Carton Qty.
GUTTER DRAINS				
AP540063	2 in. x 4 in. gutter drain & grate, white	14.5 @ 1-1/2 ft./sec.	3.09	50
AP540064	2 in. x 4 in. gutter drain & grate, black	14.5 @ 1-1/2 ft./sec.	3.09	50

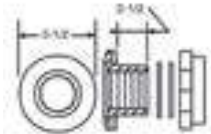
Dimensions and Performance



RETURN FITTINGS FOR SWIMMING POOLS



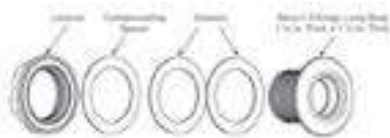
542411



542411



86205100



542411

Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
FIBERGLASS POOLS & SPAS ²			
AP542411	Long body, 1-1/2 in. threaded x 1-1/2 in. socket, spacer/locknut, white	50	9
VINYL LINER FITTINGS			
AP86205100	1-1/2 in. FIPT with screws, vinyl liner, white	50	25

POOL SPECIALTY FITTINGS



1-1/2 in. Plug with O-Ring

Ordering Information

Product	Description	Carton Qty.
ALL PURPOSE PLUGS		
AP552612	1-1/2 in. flush plug, white	100
AP552622	1-1/2 in. plug with O-ring, white	100

WALL FITTINGS - INLETS



Directional eyeball inlets with 1-1/2 in. MIP thread to fit standard female adapter or wall fitting



Insider directional inlet wall fittings with 1/2, 3/4, 1 in. and slotted openings

Ordering Information

Product	Description	Carton Qty.
1-1/2 INCH THREADED DIRECTIONAL EYEBALLS		
AP540000	Slotted opening, white	50
AP540007	3/8 in. opening, white	50
AP540008	3/8 in. opening, black	50
AP540014	1/2 in. opening, white	50
AP540015	1/2 in. opening, black	50
AP540021Z	3/4 in. opening, white	50
AP540022	3/4 in. opening, black	50
AP540028	1 in. opening, white	50
INSIDER DIRECTIONAL FITTINGS		
AP540035	1-1/2 in. slip inlet, 1/2 in., white	50
AP540036	1-1/2 in. slip inlet, 1/2 in., black	50
AP540042	1-1/2 in. slip inlet, 3/4 in., white	50
AP540043	1-1/2 in. slip inlet, 3/4 in., black	50
AP540049	1-1/2 in. slip inlet, 1 in., white	50
AP540050	1-1/2 in. slip inlet, 1 in., black	50

DIVERTER AND CHECK VALVES – 1-1/2 IN. AND 2 IN. 2-WAY, 3-WAY AND CHECK

Featured Highlights

- All valves available in CPVC or PVC
- Maintenance-free PTFE coated diverter seal
- Optimum positive-seal
- High Flow Rate
- Fiberglass reinforced handle
- Withstands pressure up to 150 psi
- Chemical-resistant
- Used for diverting, shut-off or mixing applications
- Accepts 1-1/2 in., 2 in., and 2-1/2 in. PVC plumbing
- Field-adjustable stop positions
- Plumbed with inlet at any port
- Designed to work with most industry standard actuators

263027



263026



263042



Ordering Information

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
2-WAY AND 3-WAY DIVERTER VALVES			
AP263026	3-Way CPVC 2 in. (2-1/2 in. slip outside)	1	2
AP263027	2-Way CPVC 2 in. (2-1/2 in. slip outside)	1	2
AP263028	3-Way PVC 2 in. (2-1/2 in. slip outside)	1	2
AP263029	2-Way PVC 2 in. (2-1/2 in. slip outside)	1	2
AP263035	3-Way CPVC 1-1/2 in. (2 in. slip outside)	1	2
AP263036	2-Way CPVC 1-1/2 in. (2 in. slip outside)	1	2
AP263037	3-Way PVC 1-1/2 in. (2 in. slip outside)	1	2
AP263038	2-Way PVC 1-1/2 in. (2 in. slip outside)	1	2
CHECK VALVES			
AP263042	Check Valve CPVC 2 in. (straight 2-1/2 in. slip outside)	1	2



263027



263029



263026



263028

PVC Valves not recommended for climates that can reach air temperatures of over 104°F.



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