



PREMIER AQUATIC SPECIALIST

CATALOG 2025

LOCALLY OWNED & OPERATED *Since 1989*

Chemicals • Equipment • Services • Training



**AQUA
PURE**

**PREMIER
AQUATIC
SPECIALIST**

Our Mission

Aqua Pure Enterprises, Inc. is dedicated to serving our customers with innovative and exceptional service – guided by our passion, commitment to excellence, and unwavering dedication. Our goal is to provide commercial swimming pool facilities with the necessary tools, knowledge, products and services needed, so they can offer superior and enjoyable swimming pool experiences.

Our Vision

We are committed to ensuring that every facility in our care has the right products, techniques, and knowledge of industry regulations required to maintain optimal pool water quality. Aqua Pure Enterprises, Inc. strives to strengthen partnerships by providing comprehensive support and services at every phase of operation – ensuring facilities run efficiently and meet the highest standards.

Our Customers

To enhance our catalog, we have incorporated technical data, practical tips, manufacturer information, and industry standards and regulations.

For assistance with any parts or services, please visit aquapure-il.com to complete a contact form or call our office at 630-771-1310, so one of our aquatic specialists can assist you.

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TERMS & CONDITIONS

Shipping

All orders are delivered Best Way at Aqua Pure's discretion. Special order items are shipped F.O.B. All shipments incur a shipping or handling fee and may include a fuel surcharge. Freight or other special handling rush shipments are available upon request. Any damages or shortages must be noted on the delivery receipt. If concealed loss or damage is discovered, report it promptly to the delivering carrier. Containers and contents for inspection should be held by Consignee as close as possible to same delivery and shipping condition or as prior to discovery of damage or loss. Consignee must make a report of any damage or loss within 7 days of delivery. Otherwise, the burden of proof shifts to the Consignee to prove damage or loss did not occur after the delivery of the shipment.

UPS, FedEx & Freight Claims

All reasonable precautions are taken in packing goods for shipment. If any merchandise is damaged or lost in transit, the purchaser must file a claim with carrier.

Returned Goods, Special Order & Electrical

Merchandise for return must have prior authorization, RMA number and be in its original container. A minimum of 25% restocking fee will apply. Special order requests are processed using information, description and part numbers as verified by the purchaser. Special order items and electrical items and their subsequent shipping and handling fees are both non-returnable and non-refundable.

Illustrations

Illustrations, images and pictures are intended for general descriptions only. Actual product may vary. Aqua Pure is not responsible for typographical errors. Pictures provided by Google/Bing image search, manufacturer's websites, other vendors and additional online resources.

Details, Liability and Warranty Information

Aqua Pure strives to provide only the utmost quality and safety for our customers in the products and services we offer. All material details and product information in this catalog are a general guide for purchasing and not intended for actual operations. Operators must always follow manufacturer instructions, manuals and SDS for each material and application.

There are known hazards related to working with automated parts and volatile materials. Only trained professionals should be involved in the adjustment, repair or replacement of any materials or equipment. Aqua Pure is not liable for any damages, loss, injury, or death involving any products or services sold.

All warranty claims or inquiries should be processed through the product manufacturer. Product warranties are the sole responsibility of the product manufacturer.

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Other products and services may be available by request. Please contact us for more information. For products not shown in this catalog, please contact us with the manufacturer name and part number.

630-771-1310
orders@aquapure-il.com



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TOTAL ALKALINITY

Total alkalinity is a measure of water's resistance to change in pH. Alkalinity is the result of alkaline materials including carbonate, bicarbonates and hydroxide. These ionic compounds are what resist change in the water's pH. Use a basic material, sodium bicarbonate to raise the alkalinity, and an acid to lower.

Alkalinity Increaser Sodium Bicarbonate

Sodium Bicarbonate is used to raise alkalinity. If alkalinity is left too low, the pH will not be buffered and the pH will bounce from high to low. This can affect the automatic controller, cause etching of the pool/spa surface, corrosion of metals, wrinkled vinyl liners and eye/skin irritation. Ideal range 80 to 120 ppm. 1.4 lb raise 10,000 gallons of water 10 ppm.



Item #	Description
12025TA	25 lb Pail
SBC050	50 lb Bag
SBC050P	50 lb Pail

CALCIUM HARDNESS

Calcium hardness (not total hardness) is what the pool and spa industry measure and adjust to achieve a balanced saturation index. Low calcium hardness will cause the water to dissolve calcium carbonate from plaster/gunite/grout. If high calcium hardness is not addressed, combined with high alkalinity and pH calcium carbonate will be deposited as scale.

Calcium Increaser Calcium Chloride

Calcium Chloride is added to water to raise calcium hardness. It is used to prevent adverse effects from low calcium hardness. Ideal range 200 to 400 ppm. 1.2 lb (77%) raise 10,000 gallons of water 10 ppm.



Item #	Description
12025CH	25 lb Pail
CALCHL50	50 lb Bag
CALCHL50P	50 lb Pail

pH ADJUSTERS

pH adjusters are either acidic or basic materials. pH is affected by many factors including: source water, disinfectant used, bathers, air-borne debris, water balance chemicals, aeration, and evaporation. pH is continually tested, monitored and adjusted to maintain its ideal range of 7.4 to 7.6. Use an acid based material to decrease pH and a basic material to increase pH.

pH Decreaser

To lower pH, a pH deceiver (aka pH reducer or pH minus) is used. The main ingredients in pH reducers are either sodium bisulfate, muriatic acid, or CO2. Aqua Pure can assist with the best choice for your facility based on your water source, disinfectant used, and water chemistry reactions your pool water exhibits.



Acid-Rite Tablets Sodium Bisulfate Tablet

Aqua Pure has found the Acid-Rite Tablets are low odor creating providing a friendlier working environment for pool operators. They are safer than mixing products or moving heavy drums, much less corrosive and made from 99.97% sodium bisulfate. Use with Acid-Rite pH Adjustment Feeder to provide reliable pH balancing. NSF Standard 50 certified when used with Acid-Rite Tablet Feeders.



Item #	Description
SBTAB45P	45 lb Pail

pH Down Sodium Bisulfate Granular

Granular sodium bisulfate is a dry acid that can be added to a batch tank of water and mixed manually or with a mixer to make a solution or added directly to the swimming pool for pH and alkalinity reduction. To manually feed, a premeasured amount is added to the pool water and the pool must be closed. Always refer to SDS and wear prescribed PPE. Test kit manufacturers have instructions to guide the pool operator on correct additions.



Item #	Description
SBS050	50 lb Bag
SBS050P	50 lb Pail

Advantage pH Down Sodium Bisulfate Liquid

Sodium Bisulfate liquid is a pre-dissolved solution that is less corrosive than muriatic acid. It has a pH of 0.



Item #	Description
APHD-5G*	5 gal Carboy
APHD-15G*	15 gal Drum
APHD-55G*	55 gal Drum
APHDBLK	Mini-Bulk

*Deposit Required

AcidBlue Buffered Muriatic Acid

AcidBlue uses a full-strength proprietary formula that uses Vapor Reduction Technology (VRT) for safer, easier use than standard Muriatic Acid. Up to 90% of harmful vapors are reduced through this proprietary method. AcidBlue cleans, clarifies and etches just like standard 31.45% muriatic acid. It can be used full strength or diluted up to 20:1, depending on the task. It can be used in controlling pH and alkalinity in swimming pools and spas, acid washing pools and concrete, cleaning filters, probes, shower facilities, locker rooms, for the removal of rust, scale and mineral build up.



Item #	Description
CH520-4/1	1 gal Case (4)
CH521-5G*	5 gal Carboy
CH522-15G*	15 gal Drum
CH524-55G*	55 gal Drum
CH525BLK	Mini-Bulk

*Deposit Required

pH Balance (18%) Muriatic Acid Liquid

Hydrochloric Acid Solution, 18% by weight, also known as muriatic acid. It is classified as a strong acid. The 18% solution is half of strength as 32% muriatic acid. The solution may be a better choice for pH reduction, giving you excellent results in pH reduction, while not as damaging to alkalinity.

It can also be used for alkalinity reduction. Always refer to SDS for safety regulations.



Item #	Description
PHBAL-55G*	55 gal Drum
PHBALBLK	Mini-Bulk

*Deposit Required

Muriatic Acid (31-32%) Liquid Straight Muriatic Acid

Hydrochloric acid (HCL) is a dangerous, yet useful chemical. It is extremely caustic and corrosive. Safe handling precautions must be taken. The fumes alone are enough to cause effects on humans, animals and equipment. It is used for pH reduction, alkalinity reduction, acid washing pools and concrete. Follow manufacturer instructions and labels. Always refer to SDS for safety regulations.



Item #	Description
HCL4/1	1 gal Case (4)
HCL-5G*	5 gal Carboy
HCL-15G*	15 gal Drum
HCL-55G*	55 gal Drum
HCLBLK	Mini-Bulk

*Deposit Required



pH adjustments are required continuously. Factors that change the pH are:

- Source water (fresh fill, or every time water is added to the pool or spa)
- Disinfectant and water balance chemicals
- Environmental factors (indoor or outdoor), bathers
- Alkalinity not maintained within industry standards



Aqua Pure can conduct a water test analysis, discuss the water behavior and the chemicals being used to provide guidance for the most beneficial chemical(s) to control the pH. We can suggest water chemistry adjustments or changes to maximize the pool water balance and reduce the operator's involvement in water balance.



Care must be taken when handling chemicals. Always familiarize yourself with the SDS, wear personal protective gear and refer to manufacturers labels and instructions.

CO₂ Carbon Dioxide

Colorless Gas

When Mixed with Water Is Mildly Acidic



CO₂ is automatically dispensed in the circulation system using a CO₂ feeder automated by the chemical controller. Since CO₂ gas is odorless and heavier than air, preventive measures must be taken in case of a leak, which would deplete the oxygen in the air. Tanks must be chained to the wall and properly secured. A byproduct of carbon dioxide is bicarbonate. This will increase the alkalinity and must be reduced for optimal performance. There is also an equilibrium of calcium hardness and alkalinity that must be maintained.

Call for More Information

pH Increaser

When the pH is lower than the industry standard, the water is acidic. The pH must be increased by adding basic material. If left untreated, the low pH may cause etching or staining of the pool/spa surface, corrosion of metals, chlorine loss, wrinkles in vinyl liners, eye and skin irritation.

pH Up Soda Ash

Granular soda ash is a basic material that can be added to a batch tank of water and mixed manually or with a mixer to make a solution or added directly to the swimming pool to increase the pH. To manually feed, a premeasured amount is added to the pool water and pool must be closed. Always refer to SDS and wear prescribed PPE. Test kit manufacturers have instructions to guide the pool operator on correct additions. In general, 1 lb will increase the pH 0.3 in 10,000 gallons.



Item #	Description
SODASH20P	20 lb Pail
SODASH50	50 lb Bag
SODASH50P	50 lb Pail

INFORMATION

BALANCED WATER

Water with the correct levels (industry standards) of alkalinity, pH, calcium, and total dissolved solids will be balanced. Industry standards are shown below.

Value	Minimum	Ideal	Maximum
Alkalinity	60 ppm	80 – 120 ppm	180 ppm
pH	7.2	7.4 – 7.6	7.8
Calcium	150	200 – 400	1,000
TDS	1,500 ppm over start-up, if using salt generation, make addition of salt then test.		
Temperature	Is a physical factor, used in calculation of SI		

The Swimming Pool Industry has adjusted the Langlier Index for pool/spa water conditions. It provides a method of determining whether the water is balanced with regard to calcium carbonate.

Properly balanced water will: neither be aggressive nor scale forming; optimize the disinfectants' ability to kill microorganisms; keep pH in range and provide a clean, healthy, enjoyable swimming experience for the bather.

Alkalinity is the measure of the water's ability to resist changes in pH. When the alkalinity is low, the water is corrosive. This can result in etching the pool/spa surface, heater failure and pH bounce. High alkalinity can cloud water, create rough pool surfaces, clog equipment, and lock the pH. Test and adjust pool water upon filling, conduct routine testing and adjust to maintain. To raise alkalinity, use sodium bicarbonate and use an acid-based product to lower it.

pH has the most impact on balanced water and bather comfort. To maintain proper pH, the water's alkalinity must be proper. Factors that affect the pH are source water, disinfectant, aeration, evaporation, bathers, and air-borne debris. Low pH will be corrosive water, and high pH will create scale, affecting the chlorine efficiency. When pH is out of the ideal range, it can result in eye and skin irritation. If the pH is out of range, troubleshoot, test the alkalinity. Adjust alkalinity first then adjust the pH.

Calcium Hardness is the measurement used to achieve a balanced saturation index. If calcium hardness is left below ideal levels, it will dissolve calcium carbonate, destroying pool surfaces and any materials it can to satisfy itself. If allowed to rise to 800 ppm, it may deposit calcium carbonate (when combined with a high pH), and at 1,000 ppm it will be impossible to maintain balanced water. Source water, disinfection, and pH will have an effect on the calcium equilibrium. Understanding these effects can guide the operator to best maintain balanced water. If the alkalinity is difficult to maintain at the ideal levels, an adjustment to the calcium hardness can be made. For example, 80 ppm alkalinity, 300-400 ppm calcium, 70-60 ppm alkalinity, calcium at 400-500 ppm.

POOL & SPA WATER PROBLEMS

Pools and spas are open systems affected by the fill water (source), environment and bathers. Source water properties dictate the mineral content and other additives due to treatment. Environmental influences may include indoor or outdoor air, pollution, sunshine, rain, fertilizers and weed killers. Bather load introduces lotions, skin cells and body secretions.

Even the best run pools/spa may necessitate the addition of problem-solving chemicals to remedy problem causing conditions to regain sparkling water and cleaner surfaces.

Stain & Scaling

The presence of metals in the water can lead to discoloration, staining and scale deposits on the surfaces. Stains on pool surfaces or colored water are most associated with iron, copper and manganese. The most common way these metals are introduced to the water is through the fill water.

- **Iron and Manganese** will cause a reddish-brown tint, to deep brown, or brownish black. Introduced by source water, or due to the erosion and or corrosion of circulation components.
- **Copper** most often caused by improper water balance management causing corrosion of the heater elements or the pump impeller. Copper in the water can complex with hydroxide and form a blue-green stain.
- **Manganese** is the final metal that can lead to problems. It enters the pool from the source water either through natural occurrence or after being intentionally added to the water by a water treatment plant in the form of potassium permanganate.
- **Calcium** or scale can develop when calcium hardness is not maintained in equilibrium and poor water balance. Occurs more at locations where there is water evaporation or higher water temperatures.

The important thing to understand is that metals and minerals can be kept from causing problems with treatment upon a fresh fill and regular maintenance dosages. It is far easier to prevent staining and scale caused by metals than to remove once they have landed.

Stain Drop Stain Removal Verification Kit

Stain Drop S.R.V. Kit uses topical (pool surfaces) tests using three proven stain removing products to determine the type of stain. Use to determine what Stain Drop Product to use for stain removal.



Item #	Description
14SDKIT	Stain Test Kit

Stain Drop No. 1 Iron, Leaf & Natural Staining

Remove iron, leaf, and any other natural stain that has been sitting in the pool over the off-season. Before using be sure to remove all debris/leaves, and other physical materials. Heater, ionizer and salt cells must be isolated, pH must be reduced and temperature must be at least 60° F to begin. With product added run the circulation pump for 24 hours and avoid swimming. Each container can treat 12,000 gallons of water.



Item #	Description
14SD12BTL1	2 lb Bottle

Stain Drop No. 2 Copper & Scale Treatment

Effectively removes copper and scale from the pool's surface. Heater, ionizer and salt cells must be isolated, pH must be reduced and temperature must be at least 60° F to begin. It can take 2 – 24 days to remove stains while the pool system is on. 1 lb of No. 2 for every 1,000 gallons of water in the pool.



Item #	Description
14SD205P	5 lb Pail
14SD210P	10 lb Pail

Stain Drop No. 3 Stubborn Copper Stains

Lift stubborn copper stains from the pool's surface. Heater, ionizer and salt cells must be isolated, pH must be reduced and temperature must be at least 60° F to begin. Can take 2 – 14 days to get out the stains while the pool system is on. Treatment is a three step process. Stain Drop No. 3, 5 lbs for every 10,000 gallons of water, wait 20 minutes then add Stain Drop No. 2, 1 lb per 10,000 gallons, brush pool and make sure products are in complete solution, then add Stain Drop All Purpose XpH 1 qt per 15,000 gallons.



Item #	Description
14SD305P	5 lb Pail



Stain Drop All Purpose XpH Remove Stains & Scale in a Wide pH Range

Stain Drop All Purpose XpH prevents stains and scale without phosphates. It is ideal for pool openings as well as off-season prevention. At prescribed dosages, it will remove light stains and scale, works in wide pH ranges and is highly chlorine tolerant. While the pumps are on, make sure to add 1 qt per 15,000 gallons of pool water.



Item #	Description
14SDXPHQ	1 qt Bottle
14SDXPH-5G	5 gal Carboy
14SDXPH-55G	55 gal Drum

Spot Stain Chalk Spot Stain Remover

Spot Stain Chalk is great for spot removal of metal, organic, debris and other stains that stained the pool or deck surface.

Wear gloves, gently rub Spot Stain Chalk directly on the surface to build up a layer of stain-removing chalk, make sure the area is in water. If it is a stain out of the water, make sure to get the area wet before using the product. Make sure to rinse the product off in dry areas.



Item #	Description
14SSCBTL1	9 oz Bottle

ProTeam Metal Magic Removes Iron, Copper, Silver & Manganese

ProTeam Metal Magic removes metals and stains caused by iron, copper, silver and manganese. It can help prevent staining and scale build up and protects plumbing when used on a regular basis. It will remove metals in the water first, then begin to lift stains. To treat, clean the filter, adjust chlorine level to 1 ppm and pH 7.5 or higher. Water may cloud, use ProTeam Microfloc Clarifier or ProTeam Dry Clarifier to aid in the speedy removal of suspended particles. For light discoloration, 1 qt per 10,000 gallons of water. Maintenance 3 oz per 10,000 gallons weekly.



Item #	Description
14001MMQ	1 qt Bottle

Metal Wizard Warm Water (Spa or Therapy)

Metal Wizard chelates metal particles, prevents staining of surface and removes light stains. It has a high tolerance to chlorine and temperature. Clean filter, adjust pH to 7.5 or higher. Haviland® Concentrated Clarifier will aid in the speedy removal of suspended metal particles in the water. Initial treatment 1 qt per 10,000 gallons of water, weekly 13 oz per 10,000 gallons.



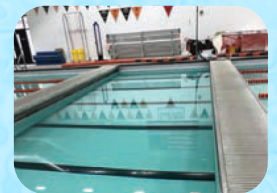
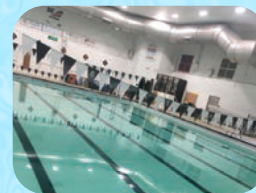
Item #	Description
14001MOQ	1 qt Bottle



Aqua Pure tested and evaluated the source water mineral content and prescribed the stain remover product to correct the swimming pool water in the images show below.

Call Aqua Pure to learn more about how we can assist you in testing and servicing your pool.

These images are an example of the results when Haviland ProTeam Metal Magic was added upon filling the pool.



Jack's Magic The Blue Stuff Remove Copper – Fountains & Water Features

The Blue Stuff's proprietary blend actually removes copper from the water. This sequestrant is also very stable in higher chlorine levels and can be used in many fountain and water feature applications. Initial treatment 1 qt per 10,000 gallons of water, weekly 6–8 oz per 10,000 gallons of water.



Item #	Description
14JMBLUQ	1 qt Bottle
14JMBLU-5G	5 gal Carboy



Jack's Magic The Purple Stuff High Salt / High TDS Pool Sequestering Agent

Jack's Magic The Purple Stuff works extremely well in high salt and high TDS pools. It keeps silica in solution, while reducing the incidence of fouling or scale formation in salt (chlorine) generators. Initial treatment 1 qt per 10,000 gallons of water, weekly 6–8 oz per 10,000 gallons of water.



Item #	Description
14JMPURQ	1 qt Bottle
14JMPUR-5G	5 gal Carboy

GLB Super Sequa-Sol® Sequestering Agent – Hard Water

GLB Super Sequa-Sol concentrated granular is specially formulated to protect pool surfaces from minerals in the water and is ideal for use with hard water. It is also great for pool openings or when adding make-up water. (Normal Water): 10 oz per 10,000 gallons of water. After initial dosage, add 2 oz per 10,000 gallons once per week during the pool season.



Item #	Description
71024BTL	2 lb Bottle
7102620P	20 lb Pail

ALGAE

Algae are microscopic aquatic plant-like organisms that require nutrients to grow. Keeping sanitizer levels and water balance factors proper will optimize the effectiveness of the sanitizer. Maintenance dosage of an algacide and maintaining the physical aspect with proper circulation, filtration, as well as routine brushing and vacuuming of the pool surface are all important to prevent algae growth. Algae has a protective outer coating. Brushing will help break through that outer coating, allowing the products to work more effectively.

Types of Algacide

- **Polymeric quat compounds** have a long molecular structure that does not cause foam or contain metals. It has a broad spectrum and is the best product for preventing and killing algae. It surrounds the cell and suffocates it.
- **Copper algacides** have excellent performance on almost all algae types. They are one of the most effective algacides against black algae. Care must be taken when using copper-based algacide. Chlorine can oxidize copper to produce black stains on the pool surface. Our formulas have complexing agents to prevent staining. However, follow all label directions and avoid over dosing.
- **Sodium Bromide** is a white, crystal-like compound made of sodium and bromine. It is used in the swimming pool industry more for eliminating yellow or mustard algae. When added to the water, the bromide is oxidized by chlorine to create hypobromous acid (HOBr), which is effective at killing algae. It must be used carefully with chlorine because it makes the chlorine unstable and this causes a drop in the chlorine levels. You must super-chlorinate when treating with Sodium Bromide and continue to check chlorine levels, until normalized.

ProTeam® Polyquat Our Best - Most Versatile

ProTeam Polyquat is a specialty blend of polymeric highly concentrated algaecide, effective against all types of algae. Will not upset water, pH neutral, contains no metals, non-foaming. It is not affected by elevated levels of sanitizer normally required. It is ideal for pools with attached spa or water features and effective in a wide pH range. For best performance, pH should range between 7.2 and 7.6.

ProTeam® Polyquat 30 (30% Solution)



Initial treatment: add 13-24 oz per 10,000 gallons of pool water, weekly 4-9 oz per 10,000 gallons.

Item #	Description
160430PNQ	1 qt Bottle



ProTeam® Polyquat 60 (60% Solution)



Initial treatment: add 6-11 oz per 10,000 gallons of pool water, weekly 2-4 oz per 10,000 gallons.

Item #	Description
160560PSQ	1 qt Bottle

ProTeam® Mustard & Black Magic Yellow & Mustard Algae

Sodium Bromide is highly effective against mustard algae. EPA registered as an algae remover and chlorine exciter.

Brush areas affected with visible algae accumulations, apply product as closely to affected areas as possible. Immediately add 10 ppm of chlorine sanitizer after treatment. 4 oz per 10,000 gallons.



Item #	Description
16009MBGBTL	2 lb Bottle

Algae Kill CB7 Severe Outbreak of Blue-Green, Black & Mustard Algae

Algae Kill CB7 is a unique copper blend that provides a potent knockout to algae, triple chelated copper to prevent staining on pool surfaces. This powerful algaecide easily destroys and prevents all common algae growth: green, blue/green, mustard/yellow and black. Performance increases as the temperature increases and more the sun shines directly on the water. It works with pools using chlorine or bromine, is non-foaming and pH neutral, with no adjustment needed after application. It continuously destroys algae for days after application. It is safe for swimmers. When using as a standalone product, pool use can resume shortly after application. Treat visible algae: 3.5 to 10 oz per 10,000 gallons (10 oz for stubborn algae) of pool water / 2 to 5 oz every two weeks thereafter.



Item #	Description
160707CBQ	1 qt Bottle



Combat Extra Eliminate and Control, Rid pool of Algae

Combat Extra is a highly effective pool algae killer that controls stubborn algae, is pH neutral, non-foaming and compatible with bromine and chlorine. It will quickly rid pools of resistant strands of algae, regardless of color or type. The polymer algaecide is blended with copper complex, with additional clarifiers added to speed pool recovery. With all other parameters within industry standards, superchlorinate pool to 10 ppm and let it circulate for 1 to 2 hours, brush pool then add 24 oz for pool with heavy growth, 16 oz for medium growth / 4 oz for prevention per 10,000 gallons.



Item #	Description
160620PCQ	1 qt Bottle

INFORMATION

When algae are allowed to take over a swimming facility, normal treatment with an algaecide may not completely treat the symptom. The IDPH code states to eliminate algae by superchlorinating the swimming facility. Raise the chlorine level 10 ppm and maintain this level for several hours and treat algae that cling to the floor and sides of the swimming facility by brushing loose and remove by the suction cleaner and filtration system.

Combat Extra is an algaecide that requires the disinfectant level to be raised up to 10 ppm. This treatment is a one – two punch, algaecide and superchlorinating. Super chlorination must be done with unstabilized chlorine, use of granular calcium hypochlorite or liquid sodium hypochlorite will best serve this purpose.

PHTA Treatment Table – do not supersede manufacturer’s instructions.

Amount of Chlorine Compound to Introduce 1 ppm Chlorine	Volume of Water				
	1,000 gallons	5,000 gallons	10,000 gallons	50,000 gallons	100,000 gallons
% of Available Chlorine	1,000 gallons	5,000 gallons	10,000 gallons	50,000 gallons	100,000 gallons
Sodium Hypochlorite (12%)	1.07 fl oz	5.33 fl oz	10.7 fl oz	1.67 qt	3.33 qt
Calcium Hypochlorite (65%)	0.08 oz	1.03 oz	4.11 oz	10.03 oz	1.28 lb

CLARIFIER

Clarifier will remove small particles that are too small to either be filtered out or are unable to be removed by oxidation. There are several reasons a pool or spa can experience cloudy water. Note: if the main drain grate is not visible, the pool must not be opened. Most often, cloudy water is associated with algae and the first response is to add more chlorine. If chlorine levels have been maintained, then the most common causes are improper filtration, insufficient water circulation or flow rate, or poor water chemistry.

Concentrated Clarifier Economical (Best Seller)



Concentrated Clarifier is a unique, multivalent cationic polymer to help increase filter efficiency and reduce sanitizer demand. Product addition will not affect pH, does not affect water balance, takes fine water particles and forces them together to form larger ones. Apply 4 oz per 10,000 gallons, weekly 2 oz per 10,000 gallons.

Item #	Description
13001CQ	1 qt Bottle



ProTeam® Microfloc Clarifier Best Results Reports From Customers

ProTeam Microfloc Clarifier surrounds and coagulates microscopic particles as small as 2 microns allowing filter media to better remove them from water. It is a non-metallic, non-staining and non-foaming unique clarifying formula not affected by shock treatments or high chlorine levels. It is compatible with all sanitizing systems, pool surfaces, filter types, pH neutral. It removes both organic and inorganic matter through filtration and prohibits algae occurrence by physically removing spores. It reduces sanitizer consumption and helps maintain sparkling blue water. Swimming may resume 15 minutes after applying into the pool, if main drain is visible. Initial treatment 14 oz per 10,000 gallons, weekly 4 oz per 10,000 gallons.



Item #	Description
13PTC1Q	1 qt Bottle



Aqua Pure Enterprises, Inc. (Aqua Pure) proudly presents the Certified Pool-Spa Operator CPO® Training Course through the Pool & Hot Tub Alliance (PHTA). Training and Education are the first defense a facility can have against negligence, shut downs from equipment failure and violations.

The CPO® seal of approval is assurance to pool, spa and water feature owners that their facilities are under the supervision of trained professionals.



ProTeam® Dry Clarifier Sand Filter Clarifier

ProTeam Dry Clarifier is for use in sand filters. It increases filter efficiency by penetrating the sand with its highly effective polymer formula. The filter media can pull more particulate from the water, resulting in sparkling water. It resolves water quality issues after heavy bather loads or heavy rains. Minimal doses are required, as this product attracts all matter as small as 2 microns and captures it in the filter. Apply to filter after backwash cycle. Operate filter normally. 1 teaspoon will treat 5,000 gallons, 1 oz will treat 50,000 gallons.



Item #	Description
13002PDC	6 oz Bag

ProTeam® Superfloc Concentrated Flocc – Must be Vacuumed to Waste

Note: You must follow directions on the label. ProTeam Superfloc is compatible with all sanitizers and surfacers. Drops small particles suspended in water to the bottom of the pool, which must then be vacuumed to waste. pH must be 7.8 or higher. Add dosage amount, then allow pump to run four hours, then turn off and let the water be still. Once there is a separation between clean and cloudy water in the pool, SLOWLY vacuum the separated material directly to waste. Additional settling will occur for the next 48-72 hours after initial applications. Reduces Total Dissolved Solids. 32 oz for severely cloudy water, 16 oz for cloudy water per 20,000 gallons.



Item #	Description
13004PSCQ	1 qt Bottle

(Must Follow The Directions On The Label)

INFORMATION

CLOUDY WATER

There are many reasons for cloudy water. The most common being improper filtration, circulation, water balance and then algae. Once you troubleshoot these common factors and if all is proper, a clarifier may be needed to remove the presence of small particles that are too small to be filtered and unable to be removed by oxidation.

FILTER MEDIA

Different filter media filters down to a specific size micron. A clarifier can surround and coagulate microscopic particles making them larger, allowing the filter media to capture them to be backwashed to waste.

Using a micron as a unit of measurement, this table shows what size micron each filter media will remove.

Example	Size of Micron
Table Salt	100
Human Hair	70
Rapid-Rate Sand Filter	50
Limit of Human Visibility	40
High-Rate Sand Filter	25
Cartridge Sand Filter	15
Red Blood Cell	8
Diatomaceous or Perlite Filter	4
Bacteria	1



CLEANING AGENTS

Products used to remove dirt, oils, mineral deposits and stains to provide a healthy, sanitary environment. The use of industry manufactured cleaning products may reduce the possibility of upsetting the water balance. Read and follow all directions. If left untreated, more aggressive cleaners may be needed.



ProTeam® Tile & Vinyl Cleaner Oils, Scale & Soil

ProTeam Tile & Vinyl Cleaner is a professional strength formula. It will help remove oily film, scale and soil from all surfaces. This true two-in-one cleaning marvel leaves a microscopic protective layer to decrease maintenance. It does not affect pool chemistry, is easy to use and no scrubbing is required. Apply cleaner to sponge or cloth and wipe over the tile or vinyl surface. Allow on surfaces for 3-5 minutes, hose or splash to rinse. For difficult stains, rub with a non-abrasive pad.



Item #	Description
15002PTVQ	1 qt Bottle

Spot & Stain Remover Gel Surface Stains

Spot & Stain Remover Gel is a thick, concentrated formula that will cut through most surface stains. It may be used on plastic, vinyl, fiberglass, ceramic and painted surfaces. Avoid metallic surfaces. It is compatible with all sanitizers. Apply to a damp sponge or brush and scrub. For heavy stains, allow product to soak on stain for 5-10 minutes before scrubbing or rinsing.



Item #	Description
15001SSRQ	1 qt Bottle

Wipe Out™ Degreaser

Wipe Out is a super concentrated pool and spa surface cleaner. For heavy duty degreasing, apply directly from the specially designed turret top and "WIPEOUT" the ugly build up. Formulated to help prevent water line build up when used on a regular basis.



Item #	Description
KING-6012Q	1 qt Bottle
KING-6012-1G	1 gal Case (4)

Stain Eliminator Phosphate-Free Spot & Stain

Stain Eliminator is a dry, phosphate-free formula that is great for spot and stain removal. It works extremely fast to remove tough metal stains from surfaces due to copper, iron, and manganese. It is a safe and easy to use, food-grade material. If treating the entire pool; clean filter, chlorine should be 1 ppm or lower, pH between 7.2 and 7.6, 1 lb per 10,000 gallons. After 24 hours, use ProTeam Metal Magic as prescribed.



Item #	Description
14001SEQ	2 lb Bottle

Jack's Magic Power Blue Scum Line

Power Blue Scum Line removes the toughest sunbaked, oily black scum line and water marks. It is as simple as spraying on and wiping off, no scrubbing is needed.



Item #	Description
15JMPBWQ	1 qt Bottle
15JMPBW-1G	1 gal Case (4)

Jack's Magic Power Blue Calcium Carbonate

Power Blue Scale Off removes calcium carbonate scale and efflorescence. It is designed specifically to solve one of the worst swimming pool area maintenance problems. Scale Off is effective in removing approximately 2-4 mils of scale per application.



Item #	Description
15JMSCOQ	1 qt Bottle
15JMSCO-1G	1 gal Case (4)
15JMSCO-5G	5 gal Carboy
15JMSCO-53G	53 gal Drum

Spectra-Clean System

Prior to using any Spectra-Clean Products the stainless steel must be clean. Use a mild detergent and a clean cloth. For stubborn areas, use a Scotch Brite Non-Scratch pad (or similar) and scrub in the direction of the stainless-steel grain to maintain the surface finish. For visible rust or rusting and pitting other products can be used as described under INFORMATION Stainless Steel.

With the stainless steel clean and rinsed, apply product, and allow it to set for 15 to 30 minutes. Rinse with clean, non-chlorinated water, allow to air dry or wipe dry with a clean cloth.

Note: Spectra-Clean is a Citric Acid based material, use PPE as per the SDS.

Spectra-Clean System 1 (Daily) Stainless Steel Cleaner



Use Spectra-Clean System 1-Daily for daily use for water stains or when the stainless steel is beginning to discolor or tarnish.

Item #	Description
47906	22 oz Bottle

Spectra-Clean System 2 (Severe) Visible Rust Remover



Use Spectra-Clean System 2-Severe when visible rust formation is developed, surface rust. Use Spectra-Clean System 1 regularly after treatment.

Item #	Description
47905-1G	1 gal

Spectra-Clean System 3 (Extreme) Deep Rust & Pitting Treatment



Use Spectra-Clean System 3-Extreme for deep rusting and pitted steel. Use Spectra-Clean System 1 regularly after treatment. If needed, apply Spectra Shield afterwards to re-passivate the steel, then use Spectra-Clean System 1 regularly.

Item #	Description
47904-1G	1 gal

Spectra-Shield Corrosion Resistance

Spectrum's Exclusive Spectra-Shield is a proprietary, high-quality blend of chemicals formulated for the protection of all grades of stainless steel from moisture and the harsh atmospheric chemicals commonly found in and around the aquatic environment. It imbeds itself into the microstructure of the stainless steel surface grain, keeping water and chemicals out of the surface structure.

Once the treatment is applied, it cannot be removed with water or other cleaning solutions. It does not change the surface appearance nor the feel of the stainless steel product. Most importantly, it is inert once cured, providing for a very safe, yet corrosion resistant stainless steel product.



Item #	Description
57373	1 gal

INFORMATION

STAINLESS STEEL

All stainless steel will rust if exposed to adverse conditions such as chlorides (in swimming pools) and other corrosive materials. Proper maintenance procedures can prevent the occurrence of damaging rust and re-passivation can correct rusting problems if it does occur. Without care, all stainless steel in the pool air envelopes will show surface rust. Surfaces left untreated, can begin to pit and become irreparably damaged. Daily rinsing with clean water (not pool water) is the best way to maintain the surface. For water spots, a foam window cleaner can be used. Other cleaners that can be used to clean prior to using Spectra-Clean are Allen Polish, Acrcal 20, Bon Ami®, and Bar Keepers Friend®. For extra-stubborn spots (these may scratch the surface) 3M® Stainless Steel Cleaner and Polish, Ajax®, Comet®, Goddard's Stainless Steel Care, Old Dutch, Soft Scrub®, and Zud Restoro are available options.

SPECTRA-CLEAN SYSTEM

Once the stainless steel is clean, use Spectra-Clean System 1, 2, or 3 based on the condition to re-passivate the stainless steel. "Passivation" is the removal of exogenous iron or iron compounds from the surface of stainless steel by means of chemical dissolution. Periodic passivation is required to ensure the corrosion resistance of stainless steel products. All areas passivated also require treatment with Spectra Shield to ensure salts don't find a way into the structure of the steel.

FILTER CLEANERS

Chem Clean Express™ Multi-Purpose Filter Cleaner

Chem Clean Express is a multi-purpose granular formulation that cleans and unclogs filters from grease, oils and scale. It generates oxygen to assist with the cleaning function. This cleaner's best benefit is its one-hour cleaning time. Prepare solution using 11 oz cleaner per five gallons of water. Specific instructions must be followed as per manufacturer for Neptune Benson, Xylem Evoqua Defender regenerative filter.



Item #	Description
1513250P	25 lb Pail
1513251P	55 lb Pail

Paddock Regenerator Filter Cleaner Cold Water Saponification Degreaser



When contaminants are introduced to the pool water such as body oils, sunscreen, cosmetics and mineral content, filter cycles are shortened. If left untreated, proper filtration may not be achieved. Paddock Pool Equipment Company has a cold-water saponification degreaser concentrate for degreasing the elements. To complete the maintenance procedure, use a demineralizer.

Paddock Degreaser

Item #	Description
200237	50 lb Bag

Paddock Demineralizer

Item #	Description
200236	50 lb Bag



Regenerative Filters require a deep filter cleaning to ensure the filter elements are rid of oil and mineral content to maintain proper filtration, pressure, and performance. Each manufacturer has specific products and instructions. Follow manufacturer details directions, read SDS and use proper protective equipment.

Aqua Pure is a manufacturer certified service station. Contact your regional sales representative for a preventative maintenance quote.

HOW MUCH PRODUCT IS NEEDED TO CLEAN YOUR REGENERATIVE FILTER?

Xylem + Evoqua Defender Regenerative Filter	
Model Number	Chem Clean
SP-18-48-175	12.5 lbs
SP-24-42-327	20 lbs
SP-27-48-487	25 lbs
SP-33-48-732	37.5 lbs
SP-41-48-1038	55 lbs
SP-49-48-154	80 lbs
SP-55-48-2076	110 lbs

Paddock Regenerator Regenerative Filter		
Model Number	Degreaser	Demineralizer
PPEC 225S	18 lbs	10 lbs
PPEC 350S	32 lbs	17 lbs
PPEC 500S	42 lbs	24 lbs
PPEC 700S	59 lbs	34 lbs
PPEC 900S	65 lbs	35 lbs
PPEC 1275	77 lbs	42 lbs
PPEC 1400	83 lbs	45 lbs



Xylem + Evoqua Defender Regenerative Filter



Paddock Regenerator Regenerative Filter

* Graphs show product required to clean most common regenerative media filter models. Contact Aqua Pure for information if your model number is not shown.

Liquid Filter Cleaners

Liquid Filter Cleaners are a complex formula containing wetting agents, surfactants, cleaning compounds and release agents. Quickly loosens and removes oils, combined organic matters, calcium deposits and biguinide polymer material. Eventually, these materials cannot be removed with washing, rinsing or backwashing. Use Haviland® Liquid Filter Cleaner or ProTeam® Filter Magic to restore filter efficiency, compatible with all filters and sanitizers. Will not affect pool chemistry. Directions for use shown below.

Haviland® Liquid Filter Cleaner



ProTeam® Filter Magic



Item #	Description	Item #	Description
15003FCQ	1 qt Bottle	15008PFMQ	1 qt Bottle

INDUSTRIAL CLEANERS

Trisodium Phosphate (TSP)

Use Trisodium Phosphate before acid washing and/or painting to remove oils from surface of the pool. Mix 8 oz per gallon of water.



Item #	Description
TSP50	50 lb Bag



Regularly scheduled preventative maintenance helps to prevent unexpected equipment failures and prolongs the lifespan of company assets.

Scheduled preventative maintenance will reduce unexpected failures, prolong the life span of equipment, and save on costly repairs. Planning preventative maintenance can be budgeted and scheduled at your convenience. Aqua Pure is recognized as a swimming pool industry leader by many manufacturers to install, repair, replace and warranty equipment. Our preventative maintenance techniques will prove valuable.

INSTRUCTIONS

HAVILAND® LIQUID FILTER CLEANER & PROTEAM® FILTER MAGIC

SAND FILTER

- **Quick Clean:** Turn off inlets for all chemical feeders. While in backwash mode, add 6-16 oz through the skimmer while backwashing.
- **Deep Clean:** Add 16 oz per 2.5 gallons of water directly into the filter media. Let soak minimally four hours, then start pump with filter in the backwash position.

CARTRIDGE & DIATOMACEOUS FILTERS

- **Quick Clean:** Remove media from filter (cartridges or septum), place spray nozzle onto the product and spray from top to bottom. Allow to set for 5 minutes. Rinse thoroughly and replace.
- **Deep Clean:** Add 16 oz per 2.5 gallons of fresh water. Place cartridge or septum into clean plastic or suitable container and soak minimally for 30 minutes. Rinse thoroughly and replace.

Pressure filters operate under high pressure. Follow manufacturer instructions. Always open all air bleed valves and turn off the pump before changing valve positions or removing any clamps or filters. Turn off all inlets for all chemical feeders.



ENZYMES

Enzymes technology excels in destroying oils, perspiration, wastes, detergents, dirt, pollen, and all sorts of organic material. They do this by breaking down the complex waste particles into their base components, providing consistent long-term results that enhance water quality. The enzyme will eliminate organic materials, so the disinfectant is freed up to work more effectively and waterline/scum lines do not build. With continual use of enzymes, operators will use less chemicals and enjoy less maintenance



Orb-3® Pool Enzyme Pro Professional Grade

Orb-3 Pool Enzymes Pro non-foaming formula is a professional grade concentrated enzyme. Orb-3 Pool Enzyme Pro will break down organic contamination. When used regularly, it allows the disinfectant to perform better, stabilize pH levels, retards the growth of slime and algae and improves water quality in aquatic facilities. It can be added manually or with a time cycle pump, like the EconT Stenner pump, with a weekly dosage of 5 oz per 10,000 gallons.



Item #	Description
1306CSA-5G	5 gal Carboy
1306CSA-15G	15 gal Drum
1306CSA-55G	55 gal Drum



Orb-3® Spa Enzyme Pro Professional Grade

Orb-3 Spa Enzyme Pro non-foaming formula will attack the buildup of organic materials in the water. It will reduce the need for scrubbing the waterline, eliminate chemical odors, making water feel silky. It can be added manually or with a time cycle pump, like the EconT Stenner pump, with a weekly dosage of 1 oz per 500 gallons.



Item #	Description
130EZSPQ	1 qt Bottle
130EZSP-1G	1 gal

Orb-3® Enzyme Cleaner Biodegradable

Orb-3 Enzyme Cleaner is a ready to use formulation of eco-friendly surfactants and enzymes for pools and decks, equipment, chairs, cushions, and walkways. Orb-3 Enzyme Cleaner helps keep surfaces clean for longer periods of time.



Item #	Description
15004DCQ	1 qt Bottle
15004DC1-G	1 gal Case

Orb-3® Drain Enzymes 100% Active Enzymes

Orb-3 Drain Enzymes break down hair, body oils, lotions, hair products, and soap scum to safely unclog drains. Because this formula is made from natural and biodegradable ingredients, it is not only safer but more environmentally friendly than traditional drain cleaners. This cleaner will not harm drains, PVC pipes, or septic systems. For floor drains initial dosage, dilute in warm water (105° - 115° F) 2 oz per quart of water and pour down drain. Initially repeat daily for one week, then weekly.



Item #	Description
15006CDQ	1 qt Bottle
15006CD-4/1	1 gal Case (4)

ProTeam® Enzyme Regular Enzyme

ProTeam Enzyme eliminates oils, lotions and organics from pool water. It is natural, biodegradable and pH neutral. Use 1 oz per 2,500 gallons of water. Dosages may be added directly to pool.



Item #	Description
13006SAQ	1 qt Bottle

SPECIALTY CHEMICALS

Orb-3® DropOut™ Phosphate Remover

Orb-3 DropOut reduces high levels of phosphate in pools and spas without affecting pH. Its active ingredients naturally bind phosphates, rendering them ineffective as a food source for algae. Once applied, turn off pool filter circulation and allow to work 12-24 hours. Next, vacuum any cloudy settlement to waste then restart system. Water may cloud but the filter will remove what remains. Reduce 3,000 ppb add 32 oz per 10,000 gallons.



Item #	Description
130DROPQ	1 qt Bottle

Orb-3® PRA & Enzyme Maintenance Phosphate Remover & Enzyme

Orb-3 PRA & Enzymes Maintenance active ingredients preserve low phosphate levels and optimal water clarity for water bodies that are largely in proper balance. Combines appropriate doses of Orb-3 DropOut (to reduce high phosphate levels) and Orb-3 Pool Enzymes (to degrade organics), making it ideal for use as part of the regular weekly maintenance performed on your pool or spa. Reduce phosphates 750 ppb add 32 per 10,000 gallons.



Item #	Description
130EPRAQ	1 qt Bottle

INFORMATION

PHOSPHATES

A key nutrient to algae, phosphates can significantly accelerate algae growth. Introduction of phosphates come from several sources; municipal water suppliers, fertilizers, detergents, bather/bird waste and some mineral/treatment products. Treat ppb when test is 1,000 or above.

ProTeam® Spa Foam Fighter Spa Antifoam



ProTeam Spa Foam Fighter is biodegradable, formulated with fresh-scented fragrance, will not clog filters and is compatible with ALL forms of sanitization. Apply 1 oz near foaming areas to disperse foam with pump running.

Item #	Description
14004SFPT	1 qt Bottle

ProTeam® Anti-Foam Antifoam



ProTeam Anti-Foam is biodegradable, eliminates unsightly foam and will not clog filters. It is compatible with ALL forms of sanitization. Concentrated ½ -1 oz to the foaming areas.

Item #	Description
14004FQ	1 qt Bottle

Pool Anti-Freeze Winterize



No need to dilute, Pool Anti-Freeze is ready to use. It protects against rust and metal corrosion down to -50°F. Four gallons per case, sold per gallon

Item #	Description
ANTIFRZR-1G	1 gal Bottle

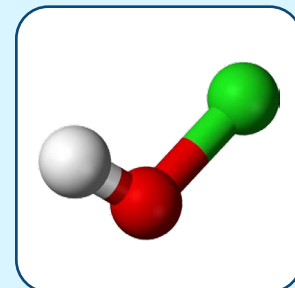


INFORMATION

CHLORINE CHEMISTRY

When chlorine is added to water, it produces hypochlorous acid (HOCl), the hypochlorite ion (OCl⁻), hydrogen ion (H⁺) and the byproduct specific to the chlorinating agent. Hypochlorous acid and the hypochlorite ion together are called the free chlorine. This is the disinfectant available to eliminate bacteria and algae by disinfecting (killing) action, oxidize (chemically destroys) other materials from the environment and uses, and maintains a residual (free chlorine aka measurable PPM) in the water.

Chlorine exists as a solid, a liquid and a gas. Each type has specific strength, pH level and is either unstabilized (organic) meaning it does not contain cyanuric acid or stabilized (inorganic) because it does contain cyanuric acid. There are two basic categories: unstabilized chlorine Calcium Hypochlorite, Sodium Hypochlorite and stabilized chlorine containing cyanuric acid Trichlor and Dichlor.



CALCIUM HYPOCHLORITE

When Available in granular, tablet and pellet form, often called "cal-hypo". Depending on how cal-hypo is manufactured, the available chlorine content can vary from 65% to 78%. This product can be manually fed for super-chlorination or an automatic feeder designed and NSF approved for a particular product and manufacturer can be used.

UNSTABILIZED DISINFECTANTS

Unstabilized disinfectants do not contain a carbon atom, which is why they are sometimes referred to as inorganic disinfectants. Unstabilized disinfectants are sensitive to UV radiation in sunlight and are more easily controlled by ORP (oxidation reduction potential) system.



Accu-Tab® Blue SI Tablets Calcium Hypochlorite (Cal-Hypo)

Accu-Tab® Blue SI tablets are the only cal-hypo tablets tested and approved NSF/ANAI standard 50 for use in the Westlake - Accu-Tab chlorination system. They are made in the USA and quality controlled through every step of the manufacturing process. This results in high-performance erosion tablets

and consistent delivery of chlorine. Accu-Tab® requires less maintenance than competitive cal-hypo systems and provides consistent water quality. More pH friendly than other disinfectants, uses fewer balancing products, all while adding healthy amounts of calcium and easily maintaining a consistent residual of disinfectant in the water.



Item #	Description
06ACCBSI60P	60 lb Pail

Zappit 73 73% Granular Calcium Hypochlorite

Zappit 73 is a 73% available chlorine granular general sanitizer and shock treatment. This professional-grade product is a fast-dissolving form of calcium hypochlorite to provide a burst of chlorine to cleanse and help eliminate bacteria and organic contaminants. Excellent for superchlorination or hyperchlorination when needed. Or a boost when necessary. Zappit 73 is also NSF/ANSI/CAN 60 listed for drinking water applications. 2 oz will raise 10,000 gallons 1 PPM.



Item #	Description
0550GCH50P	50 lb Pail

Calcium Hypochlorite 68% Granular Calcium Hypochlorite

68% Granular Calcium Hypochlorite is a shock treatment and super chlorinator for pools. It controls algae, kills bacteria and destroys organic contaminants. 2.5 oz will raise 10,000 gallons 1 PPM.



Item #	Description
05GCH6825P	25 lb Pail
05GCH6850P	50 lb Pail

Pulsar® Plus Briquettes Calcium Hypochlorite

Calcium Hypochlorite designed for use in Pulsar® Feeders and are certified to NSF/ANSI Standard 50. These patented pillow-shaped briquettes contain a scale inhibitor designed to reduce maintenance and improve reliability of the Pulsar® Chlorinator Systems. Pulsar® Plus' smaller size and briquette shape compact closely to fill the entire bottom of the briquette bed evenly.



Item #	Description
11050PULP	50 lb Pail

Ultra Brom™ Bromine

One inch brominating tablets, superior bactericide compared to chlorine, lower odor than chlorinating compounds, effective in various pH ranges. Less skin irritability than chlorine. Use with automatic feeders approved NSF for bromine tablets. Follow manufacturer's label instructions.



Item #	Description
10050BMP	50 lb Pail

Sodium Hypochlorite (12% Liquid Bleach) Liquid Shock

Sodium Hypochlorite dissolves instantly and completely. It is applied in swimming pools for water disinfection and oxidation. The yellow liquid (stronger, but chemically identical to bleach) is available for swimming pool disinfection in concentration levels of 10-15% available chlorine, and has a very high pH of 13. It can be poured directly into the pool for shocking or to increase the chlorine level. In larger commercial facilities, the use of a diaphragm pump or a peristaltic pump to inject it into the plumbing from a bulk tank is common. 12% available chlorine content, use 10.7 fl oz to raise 10,000 gallons of water 1 ppm.



Item #	Description
HYPO04-4/1	4 gal Case

① INFORMATION

BROMINE CHEMISTRY

It is a common practice to periodically oxidize a pool or spa that uses bromine with chlorine or non-chlorine oxidizers. Oxidizers like potassium monopersulfate, or ozone will react with bromide to form a new molecule of hypobromous acid. Bromine is not stabilized and cannot be protected from the UV rays of sunlight with stabilizer aka cyanuric acid.

PART 820 SWIMMING FACILITY CODE

Section 820.320 Water Quality

b) Disinfectant Residual

- 1) If chlorine is used as a disinfectant, the chlorine residual shall be maintained between 1.0 and 4.0 ppm as free chlorine residual. A free chlorine residual of at least 2.0 ppm shall be maintained when the pool water temperature exceeds 85° F.
- 2) If bromine is used as a disinfectant, a bromine residual shall be maintained between 2.0 and 8.0 ppm as total bromine. A bromine residual of at least 4.0 ppm shall be maintained when the pool water temperature exceeds 85° F.
- 3) If chlorinated cyanurates are used, the cyanuric acid concentration shall not exceed 100 ppm.
- 4) When combined chlorine in excess of 0.5 ppm is detected, the pool shall be superchlorinated to attain a free chlorine concentration of at least 10 times the combined chlorine concentration, or oxidized by other means to eliminate the combined chlorine.

(Source: Amended at 37 Ill. Reg. 16539, effective October 4, 2013)

STABILIZED DISINFECTANTS

There are two types of isocyanurate disinfectants available; sodium dichloro-s-triazinetrione, commonly called "Dichlor" and trichloro-s-triazinetrione, commonly called "Trichlor". These two disinfectants contain cyanuric acid, as part of their molecular structure. It is important to remember once the chlorine portion of the isocyanurate has been depleted, the cyanuric acid remains and will increase in concentration as more iso (trichlor or dichlor) are added to the water.

ProTeam® Zip Chlor Dichlor

ProTeam Zip Chlor is a granular stabilized chlorine 97% rapid dissolving, stabilized dichloro-s-triazinetrione, 62% available chlorine, pH of 6.2, highest percentage of available chlorine in a soluble granular stabilized chlorine. When adding dichlor to pool or spa water for each 1 lb added, will increase the cyanuric acid 7.4 ppm. If used continuously, the cyanuric acid level could inhibit the chlorine efficiency. 2.1 oz will increase the chlorine level 1 ppm in 10,000 gallons of water.



Item #	Description
01025GCP	25 lb Pail
01050GCP	50 lb Pail

ProTeam 3" Pure Tabs Trichlor

ProTeam Pure 3" tablets are white stabilized 99% sodium trichloro-triazinetrione (Trichlor) 90% available chlorine, created without gummy binders on high pressure equipment. Slow dissolving, provides steady levels of chlorine into pool, will not clog feeders, and will clean gummed up feeders. Use with NSF approved automatic or floating chlorine feeders for Trichlor.



Item #	Description
03025LTP	25 lb Pail
03050LTP	50 lb Pail

DISINFECTANT TROUBLESHOOTERS

Disinfectants inactivate or kill the vast majority (greater than 99.9%) of microorganisms that can cause disease (pathogens). There are products that can work with the disinfectants to enhance their ability to work, neutralize them after shocking or protect unstabilized chlorine from the effects of sunlight UV in a controlled manner.

Sodium Thiosulfate Chlorine Neutralizer (Chlor-Out, Dechlor)

After superchlorination (shocking) due to a accidental fecal release, or accidental overdosing of chlorine or bromine you must neutralize the chlorine to the desired ppm. There are different products that can be used, and each has a different dosage amount. Make sure you know the product you are using and always use the product label instructions when available. When using sodium thiosulfate pentahydrate, 4 oz will reduce the chlorine level 1 ppm in 10,000 gallon. If using sodium thiosulfate anhydrous (100%) 2.63 oz will reduce the chlorine level 1 ppm in 10,000 gallons.



Item #	Description
09025CNP	25 lb Pail
STH050	50 lb Bag

Chlorine Stabilizer Cyanuric Acid

Cyanuric Acid (CYA) is sometimes called stabilizer or conditioner. It is added to outdoor swimming pool water to protect chlorine from the effects of UV light in sunlight. On a molecular level, CYA attaches to free chlorine in the water through a weak nitrogen-chlorine bond. While attached, chlorine is protected from the sun. The unstable nitrogen bond allows chlorine to "let go" when called upon to do its intended killing of bacteria and harmful pathogens.

Care must be taken when using CYA. When added to the water, it may take 2 to 4 days to totally dissolve, and when it attaches to the chlorine the oxidizing capacity changes which will affect an ORP probe (chlorine) in an automatic controller. When this happens, adjustments need to be made. Additionally, CYA should not exceed 30 to 50 ppm. The ideal level is 20 to 30 ppm. 1 lb of stabilizer will increase 10,000 gallons of water by 10 ppm.



Item #	Description
08010SBP	10 lb Pail
08025SBP	25 lb Pail
08045SBP	45 lb Pail
08050SBP	50 lb Drum



ProTeam® Shock & Swim Non-Chlorine Shock With Borate

ProTeam Shock & Swim is "OUR BEST" fast acting, non-chlorine oxidizing treatment for swimming pools. Rid your pool of undesirable chloramines effectively, with many added benefits. Combining Oxone® by DuPont™, which uses the power of active oxygen and ProTeam's proprietary borate technology to eliminate organic contaminants. Borate gives pH stability, has algastatic properties, leaves water feeling silkier and reduces chlorine usage. It will not raise chlorine levels and adds oxidizing agents to remove all combined chlorine (chloramines). It is compatible with pools, using chlorine, bromine, copper-silver ionization and chlorine generators.

Allows quick access to the pool within 15 minutes after application. Apply 1 lb per 10,000 gallons of water when pool is not in use and with the pump running. For combined chloramines over 1 ppm add 2 lbs per 10,000 gallons of water.



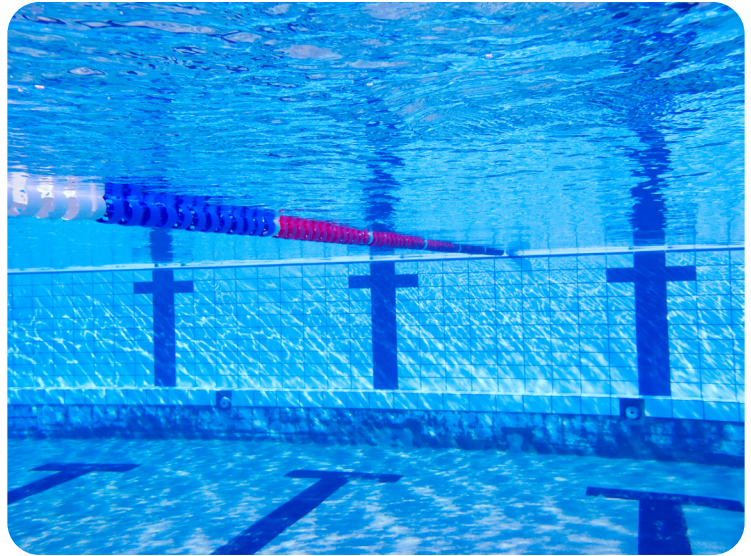
Item #	Description
07025NCP	25 lb Pail
07050NCP	50 lb Pail

WipeOut Non-Chlorine Shock

Haviland non-chlorine shock, DuPont™ Oxone® monopersulfate compound is a white granular free-flowing peroxygen that provides non-chlorine oxidation for swimming pools and spas. Experience clear water by administering weekly dosage amounts and destroy pool wastes and minimize chloramines from developing and becoming a nuisance. It allows the disinfectant to work on sanitizing, rather than clarifying the water, thus reducing disinfectant usage. Add 1 lb per 10,000 gallons of water while pool is closed and water is circulating. In as little as 15 minutes later, the pool can re-open.



Item #	Description
18025WPP	25 lb Pail
18050WPP	50 lb Pail



INFORMATION

COMBINED CHLORAMINES

Once the chlorine has reacted with ammonia, inorganic chloramines are produced, and when chlorine has reacted with organic nitrogen compound, organic chloramines are formed. Urine, sweat and the environment are sources of ammonia and organic nitrogen-containing chemicals. Combined chlorine is not an effective disinfectant and can irritate skin and mucous membranes.

Removal of organic chloramines are a big challenge. There are several treatment methods to consider as options to reduce chloramines:

- **Water Replacement:** Be sure to test the source water first for the combined chlorine concentration. Some regions use monochloramine in drinking water because it has a long contact time in the distribution system.
- **Breakpoint Chlorination**, or superchlorination: It is important that indoor aquatic facilities are designed and operated so that part of the air is replaced with fresh air so the chloramines do not evaporate and then redissolve in the water. Once completed, the use of sodium thiosulfate chlorine neutralizer may be necessary.
- **Ultraviolet:** Use of ultraviolet lamps to generate UV radiation to disinfect the water. The UV light will not only inactivate bacteria and viruses, it will also oxidize chloramines.
- **Ozone Gaseous** oxidizer that dissolves in the water to oxidize containments and break down both organic and inorganic chloramines.
- **Potassium Monopersulfate** dry, solid, granular, non-chlorine oxidizer. Oxidizing compound for use of chloramine removal instead of chlorine shock or superchlorination.

ACCU-TAB® FEEDERS

Accu-Tab® Chlorination System - *Simply the best*

Since the mid 1990s, thousands of operators, large and small have relied on the Accu-Tab chlorination system to keep their facilities sanitized and safe from water-borne illnesses. Whether you operate a massive waterpark with millions of gallons of water, or a smaller commercial pool, this system is available in a variety of feeder models to meet different size needs and chlorine demands. The Accu-Tab chlorination system is a simple and effective water chlorination solution. Manufactured in the U.S., the NSF 50-certified system combines specially engineered chlorinators with quality controlled three-inch calcium hypochlorite (cal hypo) tablets. It kills bacteria, controls algae and destroys organic contaminants.



Features

- Patented erosion feeder technology of the Powerbase® chlorinator
- Proprietary 3 7/8 inch Accu-Tab Blue SI calcium hypochlorite tablets
- Rugged design and durable with no small openings that can clog
- Very few moving parts – minimizing maintenance



1030 Accu-Tab® Unit



3070AT Accu-Tab® Unit



Item #	Description
1030	Accu-Tab PowerBase Model 1030 Chlorinator NSF 50 Certified Delivery: Up to 2.8 lbs/hour Tablet Storage: 30 lbs Inlet Strainer Included Size: 22"W x 27"L x 35"H

Item #	Description
3070AT	Accu-Tab PowerBase Model 3070AT Chlorinator NSF 50 Certified Delivery: Up to 10.2 lbs/hour Tablet Storage: 70 lbs Inlet Strainer Included Size: 22"W x 34"L x 52"H



Aqua Pure Enterprises, Inc. is the Northern Illinois Accu-Tab Specialist. Our decision to become the Accu-Tab Specialist was easy, based upon the proven performance of the system. The Accu-Tab chlorination system can make all the difference in safety, simplicity, reliability, maintenance, ease of chemical handling, consistent chemical delivery and excellent water clarity. It is just simply the “best” choice for pool and spa disinfection. Reach out to Aqua Pure and one of our Representatives can assist you with details and information for your facility.



CHEMICAL FEED SYSTEMS



3140AT Accu-Tab® Unit



3500 Accu-Tab® Unit



Item #	Description
3140AT	Accu-Tab PowerBase Model 3140AT Chlorinator NSF 50 Certified Delivery: Up to 22 lbs/hour Tablet Storage: 140 lbs Inlet Strainer Included Size: 25"W x 45"L x 51"H

Item #	Description
3500	Accu-Tab PowerBase Model 3500 Chlorinator NSF 50 Certified Delivery: Up to 36.4 lbs/hour Tablet Storage: 500 lbs Inlet Strainer Included Size: 31"W x 63"L x 52"H

INFORMATION

NSF/ANSI STANDARD 50



The NSF logo is the globally recognized mark of a high-quality pool chlorinator. To achieve the NSF stamp, the chlorinator must pass rigorous third-party certified testing for chlorine delivery reliability, durability and safety.

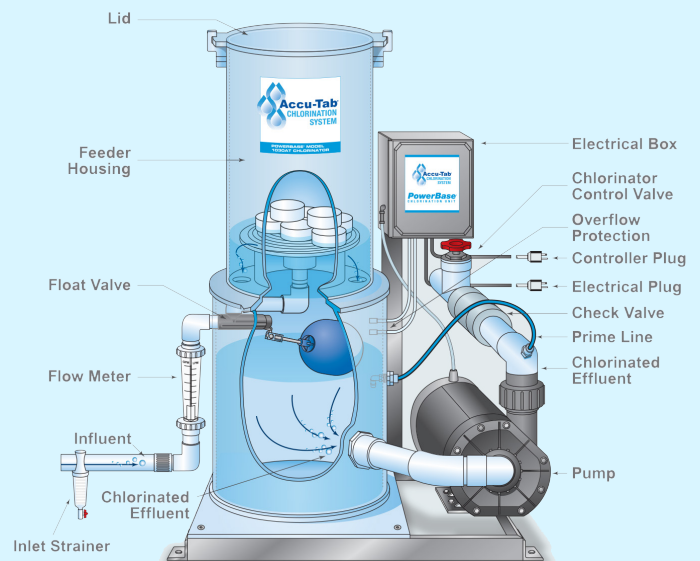
Be sure to safeguard your facility by complying with NSF standards, which is a requirement of the Illinois Department of Public Health.

USE OF SPECIFIED CHEMICAL

NSF requires that warning statements appear on the products data plate and in the operating instructions. These statements indicate that the use of chemicals other than those specified by the manufacturer may be hazardous. Only chlorinators carrying the NSF mark are certified, but only when used with the specified chemical.



ACCU-TAB CHLORINATION SYSTEM



ACID-RITE® FEEDERS

Acid-Rite® – Smarter, Safer approach to acid adjustment

Acid-Rite Water pH Adjustment Systems are the only NSF Standard 50 listed acid system for commercial pools. For operators of aquatic facilities, the risks and hassles associated with muriatic acid and granular sodium bisulfate systems are over. Powered by innovative tablet-erosion technology, the Acid-Rite pH Adjustment System is an effective alternative to bulky liquid acid systems and cumbersome granular sodium bisulfate bags. The Acid-Rite system provides reliable pH balancing combined with easy installation and maintenance. Additionally, Acid-Rite tablets, made of sodium bisulfate, have low odor, creating a friendlier working environment for pool operators.



When combined with the Accu-Tab Water Chlorination System, operators gain a more practical one-two punch in maintaining water quality at aquatic facilities of any size.

Acid-Rite Feeders mean no metering, no mixing and no contest for pool operators! It creates a more pleasant working environment with improved safety, less handling and reduced maintenance.

Features

- Solid chemical made of sodium bisulfate with no dual containment
- Easier to handle 45 lb resealable pails
- Acid feeders rarely require cleaning or maintenance; no small tubing that can kink and crack
- Tablets have low odor
- Tablets are red in color to help eliminate inadvertent mixing of chemicals



Acid-Rite® 450



Acid-Rite® 2500



Item #	Description
AR450	Acid-Rite 450, tablet capacity 45 lbs Flow Rate: 0-5 gpm Inside Pools: Up to 300,000 gallons Outdoor Pools: Up to 200,000 gallons

Item #	Description
AR2500	Acid-Rite 2500, tablet capacity 250 lbs Flow Rate: 0-10 gpm Inside Pools: Up to 1,000,000 gallons Outdoor Pools: Up to 350,000 gallons

CHEMICAL FEED SYSTEMS

ACCU-TAB® & ACID-RITE® PARTS

Accu-Tab® & Acid-Rite® Unit Parts

	Item #	Description	1030	3070AT	3140AT	3500	AR450	AR2500
	9500206	Lid for Accu-Tab 1030	✓					
	9500087	Lid for Accu-Tab 3070AT		✓				
	9500088	Lid for Accu-Tab 3140AT			✓			
	9500089	Lid for Accu-Tab 3500				✓		
	LID-AR450RED	Lid for Acid-Rite AR450					✓	
	9500483	Lid for Acid-Rite AR2500						✓
	1-60-F	1" Inlet Filter	✓				✓	✓
	1-60POLYELE	1" Polyester Filter Element 60 Mesh Screen	✓				✓	✓
	1-60COVER	1" S/D Filter Body	✓				✓	✓
	1-60ORKIT	O-Ring Kit for 1-60-F	✓				✓	✓
	1-1/2-60-F	1 1/2" Inlet Filter		✓				
	1 1/2-60POLYELE	1 1/2" Polyester Filter Element 60 Mesh Screen		✓				
	1 1/2-60COVER	1 1/2" S/D Filter Body		✓				

CHEMICAL FEED SYSTEMS

	Item #	Description	1030	3070AT	3140AT	3500	AR450	AR2500
	1 1/2-60ORKIT	O-ring Kit for 1-1/2-60-F		✓				
	2-60-F	2" Inlet Filter			✓	✓		
	2-60POLYELE	2" Polyester Filter Element 60 Mesh Screen			✓	✓		
	2-60COVER	2" Spin Down Filter Body			✓	✓		
	2-60ORKIT	2" O-Ring Kit for 2-60-F			✓	✓		
	RUS 0.5 FV	0.5 FV Flush Valve Fits All	✓	✓	✓	✓	✓	✓
	9500009	1" Solenoid Valve		✓ Before 2010				
	7KG24	1" Solenoid Rebuild Kit		✓ Before 2010				
	9500001	1 1/2" Solenoid Valve			✓ Before 2016	✓ Before 2016		
	7K841	1 1/2" Solenoid Rebuild Kit			✓ Before 2016	✓ Before 2016		
	9500156	Solenoid Coil (D10093)		✓ Before 2010	✓ Before 2016	✓ Before 2016		
	F-44750L-12	3/4" Flowmeter	✓					
	F-41000LN-16	1" Flowmeter		✓				
	F-42050LN	1 1/2" Flowmeter			✓			
	F-30150P	1 1/2" Flowmeter, Clamp-On				✓		




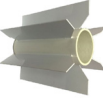


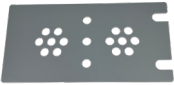
CHEMICAL FEED SYSTEMS

	Item #	Description	1030	3070AT	3140AT	3500	AR450	AR2500
	F-3040	1 1/2" Flowmeter Clamps				✓		
	F-3003	1 1/2" Flowmeter Gasket				✓		
	F-40500LN-8	1/2" Flowmeter					✓	
	F-30100P	1" Clamp-On Flowmeter						✓
	18921	3/4" Miller Float Valve 3" Stainless Steel Rod, Square Float & Plumbing	✓					
	9500367	1/2" Miller Float Valve Only					✓	
	9500095-A	3/4" Miller Valve Rebuild Kit includes plunger and cotter pin	✓					
	9500367-A	1/2" Miller Valve Rebuild Kit, plunger and cotter pin					✓	
	PF444	Square Float with 3" Stainless Steel Rod	✓				✓	
	9501057	1" Tank Mount Kerick Valve, New Style without Solenoid Valves		✓				
	9500200	1" Kerick Rebuild Kit		✓	Before 2016	Before 2016		✓
	PF06	Round Float with 6" Stainless Steel Rod		✓	Before 2016	Before 2016		
	PS125SS	1 1/4" Kerick Valve with Floats (qty 2)			✓			
	PS125	1 1/4" Kerick Valve Only			✓	✓		
	PT125	1 1/4" Rebuild Kit (Plunger with Cotter Pin)			✓	✓		

CHEMICAL FEED SYSTEMS

	Item #	Description	1030	3070AT	3140AT	3500	AR450	AR2500
	9500201	Stainless Steel 3" Rod (qty 2 for 3140 required)	✓		✓		✓	
	9500007-PS	1" Kerick Valve Complete with Floats		Before 2016 ✓	Before 2016 ✓	Before 2016 ✓		✓
	PS125SS-3500	1 1/4" Kerick Valve Complete with Float (8")				✓		
	9501073	Round Float 8" with 5/16" Stainless Steel Rod				✓		
	9500039	6" Stainless Steel Rod		✓				✓
	M8710	High Level Switch For All Accu-Tab Units	✓	✓	✓	✓		
	439-072	Reducer Busing, 1/2" x 1/4", MIPT x FIPT	✓	✓	✓	✓		
	1413-005	Water Level Spigot 1/2" PVC Elbow Insert x MIPT	✓	✓	✓	✓	✓	✓
	STKT	Sight Tube Kit (9500369)	✓	✓	✓	✓	✓	✓
	PP011222W	Male Connector, Speed Fit 3/8" x 1/4"	✓	✓	✓	✓	✓	✓
	9500144	Air Relief Kit With Fittings	✓	✓	✓	✓	✓	✓
	2032-010	1" Gate Valve FKM	✓	Before 2010 ✓				✓
	2032-015	1 1/2" Gate Valve FKM		✓	✓	✓		
	2022-050	1/2" PVC Socket Gate Valve EPDM					✓	
	S1720C15	1 1/2" Flapcheck Valve Two Required for 3,500 pb	✓	✓	✓	✓		

CHEMICAL FEED SYSTEMS

	Item #	Description	1030	3070AT	3140AT	3500	AR450	AR2500
	S1720C10	1" PVC Swing Check Valve					✓	✓
	9500145	Contactor Replaces NC11810, New Wire	✓	✓	✓	✓	✓	✓
	QL2N1-A120	Ice Cube Relay Overflow Protection Replaces 95000232	✓	✓	✓	✓		
	SC-AR450	Stacking Cartridge					✓	
	9501045	Divider Inserts						✓
	SP-AR450	Sieve Plate					✓	
	SP-AR2500	Sieve Plate						✓

Hayward® Pumps



Item #	Description	1030	3070AT	3140AT	3500	AR450	AR2500
9500241	1 hp Hayward® Pump (PAPP100)	✓				✓	✓
9500080	1.5 hp Hayward® Pump (PAPP150)		✓	✓	✓		
9500163	1.5 hp Hayward® Pump (PAPP150) with Conversion Kit (Use To Replace StaRite Pump)		✓	✓	✓		

Hayward® Pump Parts

	Item #	Description	1030	3070AT	3140AT	3500	AR450	AR2500
	SPX1500NYA	Housing Bolt and Housing Nut Set	✓	✓	✓	✓	✓	✓
	SPX1520BT	Housing Cover	✓	✓	✓	✓	✓	✓
	SPX1580Z1	Housing O-Ring	✓	✓	✓	✓	✓	✓
	SPX1500LH	1 hp Impeller (for 9500241)	✓				✓	✓
	SPX1580CH	1.5 hp Impeller (for 9500080 or 9500163)		✓	✓	✓		
	SPX3005R	Impeller Ring	✓	✓	✓	✓	✓	✓
	SPX1500KA	Seal Assembly	✓	✓	✓	✓	✓	✓
	SPX1580AAT	Pump Housing	✓	✓	✓	✓	✓	✓
	SP1500UNPAK2C	Union Kit	✓	✓	✓	✓	✓	✓
	SPX1510Z1XE	1 hp Hayward Motor (3012AT & 1030AT)	✓				✓	✓
	EZBN25	1 hp Motor (3012AT & 1030AT)	✓				✓	✓
	SPX1515Z1E	1.5 Hayward Motor (3070AT, 3140AT & 3500)		✓	✓	✓		
	EZBN35	1.5 hp Motor (3070AT, 3140AT & 3500)		✓	✓	✓		

CHEMICAL FEED SYSTEMS

STENNER PUMPS

Stenner Pumps are designed and built for reliable performance, offering the capability of output ranges of 0.06 oz per day to 170 gallons per day. The pumps offer the advantage of using a pump tube material that handles a variety of chemicals including muriatic acid (31.45), sodium bisulfate and sodium hypochlorite (15%) approved chemicals. Component life can be prolonged by always rinsing off and wiping chemicals, residue and debris from the tube housing and roller assembly before replacing the pump tube. A special grease can also be purchased (Part # MAGCSGR), so the pump can be properly lubricated when disassembling and reassembling.

Stenner Pump Advantages

- Self-priming
- Can inject off-gassing solutions
- Simple tube replacement
- 3 point roller assists anti-siphoning
- Output reproducibility
- Output volume not affected by back pressure
- Tube lubrication not required
- No vapor lock or loss of prime
- Foot valve not required to prime

Features

- Tube replacement without tools with patented QuickPro® pump head
- Adjustable models:
 - External adjustable dial ring on feed rate control
 - 20:1 turndown, 2.5% increments
- Single head models:
 - Fixed output pump can be utilized for proportional injection
- Components are interchangeable between models throughout your facility

Stenner Single Head Fixed Pumps



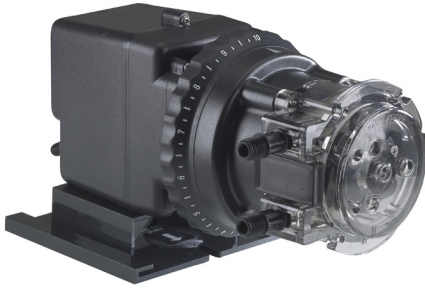
High Pressure, 26-100 psi

Item #	Description
45MFH1A1S	45MPHP2, #1 Tubing, 1/4" Fittings, 3 gpd
45MFH1A3S	45MPHP2, #1 Tubing, 3/8" Fittings, 3 gpd
45MFH2A1S	45MPHP10, #2 Tubing, 1/4" Fittings, 10 gpd
45MFH2A3S	45MPHP10, #2 Tubing, 3/8" Fittings, 10 gpd
45MFH7A1S	45MPHP22, #7 Tubing, 1/4" Fittings, 22 gpd
45MFH7A3S	45MPHP22, #7 Tubing, 3/8" Fittings, 22 gpd
85MFH1A1S	85MPHP5, #1 Tubing, 1/4" Fittings, 5 gpd
85MFH1A3S	85MPHP5, #1 Tubing, 3/8" Fittings, 5 gpd
85MFH2A1S	85MPHP17, #2 Tubing, 1/4" Fittings, 17 gpd
85MFH2A3S	85MPHP17, #2 Tubing, 3/8" Fittings, 17 gpd
85MFH7A1S	85MPHP40, #7 Tubing, 1/4" Fittings, 40 gpd
85MFH7A3S	85MPHP40, #7 Tubing, 3/8" Fittings, 40 gpd

Low Pressure, 0-25 psi

Item #	Description
45MFL1A1S	45MP1, #1 Tubing, 1/4" Fittings, 3 gpd
45MFL1A3S	45MP1, #1 Tubing, 3/8" Fittings, 3 gpd
45MFL2A1S	45MP2, #2 Tubing, 1/4" Fittings, 10 gpd
45MFL2A3S	45MP2, #2 Tubing, 3/8" Fittings, 10 gpd
45MFL3A1S	45MP2, #3 Tubing, 1/4" Fittings, 22 gpd
45MFL3A3S	45MP3, #3 Tubing, 3/8" Fittings, 22 gpd
45MFL4A1S	45MP4, #4 Tubing, 1/4" Fittings, 35 gpd
45MFL4A3S	45MP4, #4 Tubing, 3/8" Fittings, 35 gpd
45MFL5A1S	45MP5, #5 Tubing, 1/4" Fittings, 50 gpd
45MFL5A3S	45MP5, #5 Tubing, 3/8" Fittings, 50 gpd
85MFL1A1S	85MP1, #1 Tubing, 1/4" Fittings, 5 gpd
85MFL1A3S	85MP1, #1 Tubing, 3/8" Fittings, 5 gpd
85MFL2A1S	85MP2, #2 Tubing, 1/4" Fittings, 17 gpd
85MFL2A3S	85MP2, #2 Tubing, 3/8" Fittings, 17 gpd
85MFL3A1S	85MP3, #3 Tubing, 1/4" Fittings, 40 gpd
85MFL3A3S	85MP3, #3 Tubing, 3/8" Fittings, 40 gpd
85MFL4A1S	85MP4, #4 Tubing, 1/4" Fittings, 60 gpd
85MFL4A3S	85MP4, #4 Tubing, 3/8" Fittings, 60 gpd
85MFL5A1S	85MP5, #5 Tubing, 1/4" Fittings, 85 gpd
85MFL5A3S	85MP5, #5 Tubing, 3/8" Fittings, 85 gpd

Stenner Single Head Adjustable Pumps



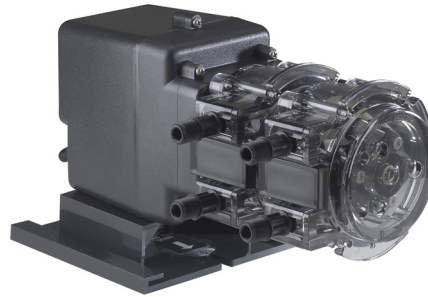
High Pressure, 26-100 psi

Item #	Description
45MJH1A1S	45MHP2, #1 Tubing, 1/4" Fittings, 0.2-3 gpd
45MJH1A3S	45MHP2, #1 Tubing, 3/8" Fittings, 0.2-3 gpd
45MJH2A1S	45MHP10, #2 Tubing, 1/4" Fittings, 0.5-10 gpd
45MJH2A3S	45MHP10, #2 Tubing, 3/8" Fittings, 0.5-10 gpd
45MJH7A1S	45MHP22, #7 Tubing, 1/4" Fittings, 1.1-22 gpd
45MJH7A3S	45MHP22, #7 Tubing, 3/8" Fittings, 1.1-22 gpd
85MJH1A1S	85MHP5, #1 Tubing, 1/4" Fittings, 0.3-5 gpd
85MJH1A3S	85MHP5, #1 Tubing, 3/8" Fittings, 0.3-5 gpd
85MJH2A1S	85MHP17, #2 Tubing, 1/4" Fittings, 0.8-17 gpd
85MJH2A3S	85MHP17, #2 Tubing, 3/8" Fittings, 0.8-17 gpd
85MJH7A1S	85MHP40, #7 Tubing, 1/4" Fittings, 2-40 gpd
85MJH7A3S	85MHP40, #7 Tubing, 3/8" Fittings, 2-40 gpd

Low Pressure, 0-25 psi

Item #	Description
45MJL1A1S	45M1, #1 Tubing, 1/4" Fittings, 0.2-3 gpd
45MJL1A3S	45M1, #1 Tubing, 3/8" Fittings, 0.2-3 gpd
45MJL2A1S	45M2, #2 Tubing, 1/4" Fittings, 0.5-10 gpd
45MJL2A3S	45M2, #2 Tubing, 3/8" Fittings, 0.5-10 gpd
45MJL3A1S	45M3, #3 Tubing, 1/4" Fittings, 1.1-22 gpd
45MJL3A3S	45M3, #3 Tubing, 3/8" Fittings, 1.1-22 gpd
45MJL4A1S	45M4, #4 Tubing, 1/4" Fittings, 1.7-35 gpd
45MJL4A3S	45M4, #4 Tubing, 3/8" Fittings, 1.7-35 gpd
45MJL5A1S	45M5, #5 Tubing, 1/4" Fittings, 2.5-50 gpd
45MJL5A3S	45M5, #5 Tubing, 3/8" Fittings, 2.5-50 gpd
85MJL1A1S	85M1, #1 Tubing, 1/4" Fittings, 0.3-5 gpd
85MJL1A3S	85M1, #1 Tubing, 3/8" Fittings, 0.3-5 gpd
85MJL2A1S	85M2, #2 Tubing, 1/4" Fittings, 0.8-17 gpd
85MJL2A3S	85M2, #2 Tubing, 3/8" Fittings, 0.8-17 gpd
85MJL3A1S	85M3, #3 Tubing, 1/4" Fittings, 2-40 gpd
85MJL3A3S	85M3, #3 Tubing, 3/8" Fittings, 2-40 gpd
85MJL4A1S	85M4, #4 Tubing, 1/4" Fittings, 3-60 gpd
85MJL4A3S	85M4, #4 Tubing, 3/8" Fittings, 3-60 gpd
85MJL5A1S	85M5, #5 Tubing, 1/4" Fittings, 4.3-85 gpd
85MJL5A3S	85M5, #5 Tubing, 3/8" Fittings, 4.3-85 gpd

Stenner Double Head Fixed Pumps



High Pressure, 26-100 psi

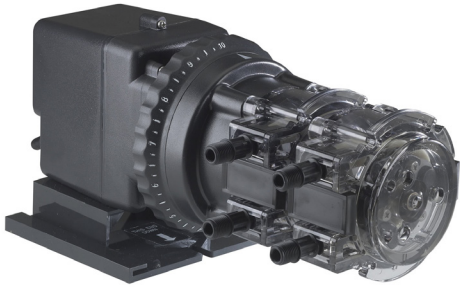
Item #	Description
100FH1A1S	100DMPHP5, #1 Tubing, 1/4" Fittings, 6 gpd
100FH1A3S	100DMPHP5, #1 Tubing, 3/8" Fittings, 6 gpd
100FH2A1S	100DMPHP20, #2 Tubing, 1/4" Fittings, 20 gpd
100FH2A3S	100DMPHP20, #2 Tubing, 3/8" Fittings, 20 gpd
170FH1A1S	170DMPHP9, #1 Tubing, 1/4" Fittings, 10 gpd
170FH1A3S	170DMPHP9, #1 Tubing, 3/8" Fittings, 10 gpd
170FH2A1S	170DMPHP34, #2 Tubing, 1/4" Fittings, 34 gpd
170FH2A3S	170DMPHP34, #2 Tubing, 3/8" Fittings, 34 gpd

Low Pressure, 0-25 psi

Item #	Description
100FL1A1S	100DMP1, #1 Tubing, 1/4" Fittings, 6 gpd
100FL1A3S	100DMP1, #1 Tubing, 3/8" Fittings, 6 gpd
100FL2A1S	100DMP2, #2 Tubing, 1/4" Fittings, 20 gpd
100FL2A3S	100DMP2, #2 Tubing, 3/8" Fittings, 20 gpd
100FL3A1S	100DMP3, #3 Tubing, 1/4" Fittings, 44 gpd
100FL3A3S	100DMP3, #3 Tubing, 3/8" Fittings, 44 gpd
100FL4A1S	100DMP4, #4 Tubing, 1/4" Fittings, 70 gpd
100FL4A3S	100DMP4, #4 Tubing, 3/8" Fittings, 70 gpd
100FL5A1S	100DMP5, #5 Tubing, 1/4" Fittings, 100 gpd
100FL5A3S	100DMP5, #5 Tubing, 3/8" Fittings, 100 gpd
170FL1A1S	170DMP1, #1 Tubing, 1/4" Fittings, 10 gpd
170FL1A3S	170DMP1, #1 Tubing, 3/8" Fittings, 10 gpd
170FL2A1S	170DMP2, #2 Tubing, 1/4" Fittings, 34 gpd
170FL2A3S	170DMP2, #2 Tubing, 3/8" Fittings, 34 gpd
170FL3A1S	170DMP3, #3 Tubing, 1/4" Fittings, 80 gpd
170FL3A3S	170DMP3, #3 Tubing, 3/8" Fittings, 80 gpd
170FL4A1S	170DMP4, #4 Tubing, 1/4" Fittings, 120 gpd
170FL4A3S	170DMP4, #4 Tubing, 3/8" Fittings, 120 gpd
170FL5A1S	170DMP5, #5 Tubing, 1/4" Fittings, 170 gpd
170FL5A3S	170DMP5, #5 Tubing, 3/8" Fittings, 170 gpd

CHEMICAL FEED SYSTEMS

Stenner Double Head Adjustable Pumps



High Pressure, 26-100 psi

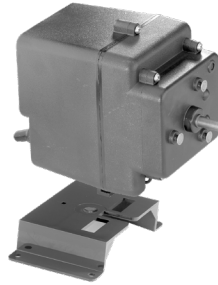
Item #	Description
100JH1A1S	100DMHP5, #1 Tubing, 1/4" Fittings, 0.3-6 gpd
100JH1A3S	100DMHP5, #1 Tubing, 3/8" Fittings, 0.3-6 gpd
100JH2A1S	100DMHP20, #2 Tubing, 1/4" Fittings, 1-20 gpd
100JH2A3S	100DMHP20, #2 Tubing, 3/8" Fittings, 1-20 gpd
170JH1A1S	170DMHP9, #1 Tubing, 1/4" Fittings, 0.5-10 gpd
170JH1A3S	170DMHP9, #1 Tubing, 3/8" Fittings, 0.5-10 gpd
170JH2A1S	170DMHP34, #2 Tubing, 1/4" Fittings, 1.7-34 gpd
170JH2A3S	170DMHP34, #2 Tubing, 3/8" Fittings, 1.7-34 gpd

Low Pressure, 0-25 psi

Item #	Description
100JL1A1S	100DM1, #1 Tubing, 1/4" Fittings, 0.3-6 gpd
100JL1A3S	100DM1, #1 Tubing, 3/8" Fittings, 0.3-6 gpd
100JL2A1S	100DM2, #2 Tubing, 1/4" Fittings, 1-20 gpd
100JL2A3S	100DM2, #2 Tubing, 3/8" Fittings, 1-20 gpd
100JL3A1S	100DM3, #3 Tubing, 1/4" Fittings, 2.2-44 gpd
100JL3A3S	100DM3, #3 Tubing, 3/8" Fittings, 2.2-44 gpd
100JL4A1S	100DM4, #4 Tubing, 1/4" Fittings, 3.5-70 gpd
100JL4A3S	100DM4, #4 Tubing, 3/8" Fittings, 3.5-70 gpd
100JL5A1S	100DM5, #5 Tubing, 1/4" Fittings, 5-100 gpd
100JL5A3S	100DM5, #5 Tubing, 3/8" Fittings, 5-100 gpd
170JL1A1S	170DM1, #1 Tubing, 1/4" Fittings, 0.5-10 gpd
170JL1A3S	170DM1, #1 Tubing, 3/8" Fittings, 0.5-10 gpd
170JL2A1S	170DM2, #2 Tubing, 1/4" Fittings, 1.7-34 gpd
170JL2A3S	170DM2, #2 Tubing, 3/8" Fittings, 1.7-34 gpd
170JL3A1S	170DM3, #3 Tubing, 1/4" Fittings, 4-80 gpd
170JL3A3S	170DM3, #3 Tubing, 3/8" Fittings, 4-80 gpd
170JL4A1S	170DM4, #4 Tubing, 1/4" Fittings, 6-120 gpd
170JL4A3S	170DM4, #4 Tubing, 3/8" Fittings, 6-120 gpd
170JL5A1S	170DM5, #5 Tubing, 1/4" Fittings, 8.5-170 gpd
170JL5A3S	170DM5, #5 Tubing, 3/8" Fittings, 8.5-170 gpd

STENNER PUMP PARTS & KITS

Adjustable Rate Motors





Item #	Description
PM6041D	Series 45 & 100, Complete Motor, 120V, 60Hz
PM6042D	Series 45 & 100, Complete Motor, 220V, 60Hz
PM6081D	Series 85 & 170, Complete Motor, 120V, 60Hz
PM6082D	Series 85 & 170, Complete Motor, 220V, 60Hz

Fixed Rate Motors



Item #	Description
ME6041D	Series 45 & 100, Complete Motor, 120V, 60Hz
ME6042D	Series 45 & 100, Complete Motor, 220V, 60Hz
ME6081D	Series 85 & 170, Complete Motor, 120V, 60Hz
ME6082D	Series 85 & 170, Complete Motor, 220V, 60Hz

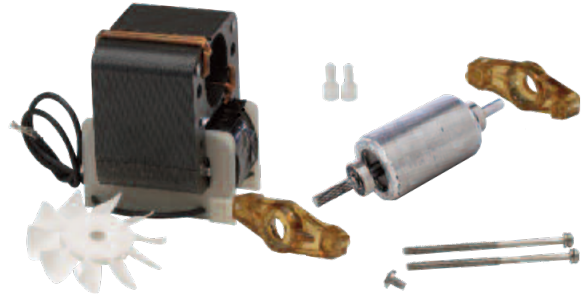
Motor Accessories

	Item #	Description
	MP90000	Rain Roof
	MP80000	Mounting Bracket

Gear Case Service Kits



Motor Service Kits



Item #	Description
GSK45A	Series 45 & 100 Adjustable, Service Kit
GSK85A	Series 85 & 170 Adjustable, Service Kit
GSK45F	Series 45 Fixed, Service Kit
GSK85F	Series 85 Fixed, Service Kit

Item #	Description
MSK120	Motor Service Kit, 120V, 60Hz
MSK220	Motor Service Kit, 220V, 60Hz

QuickPro® Classic Series Pump Head



For classic single head pumps (Series 45 & 85)

Item #	Description	psi
QP251-1	#1 Santoprene® Tube Complete, 1/pk	0-25
QP252-1	#2 Santoprene® Tube Complete, 1/pk	0-25
QP253-1	#3 Santoprene® Tube Complete, 1/pk	0-25
QP254-1	#4 Santoprene® Tube Complete, 1/pk	0-25
QP255-1	#5 Santoprene® Tube Complete, 1/pk	0-25
QP251-2	#1 Santoprene® Tube Complete, 2/pk	0-25
QP252-2	#2 Santoprene® Tube Complete, 2/pk	0-25
QP253-2	#3 Santoprene® Tube Complete, 2/pk	0-25
QP254-2	#4 Santoprene® Tube Complete, 2/pk	0-25
QP255-2	#5 Santoprene® Tube Complete, 2/pk	0-25
QP101-1	#1 Santoprene® Tube Complete, 1/pk	26-100
QP102-1	#2 Santoprene® Tube Complete, 1/pk	26-100
QP107-1	#7 Santoprene® Tube Complete, 1/pk For Classic 45 & 85 Series Only	26-100

QuickPro® Innermost Pump Head



For classic double head pumps (Series 100 & 170)

Item #	Description	psi
QPA251-1	#1 Santoprene® Tube Complete, 1/pk	0-25
QPA252-1	#2 Santoprene® Tube Complete, 1/pk	0-25
QPA253-1	#3 Santoprene® Tube Complete, 1/pk	0-25
QPA254-1	#4 Santoprene® Tube Complete, 1/pk	0-25
QPA255-1	#5 Santoprene® Tube Complete, 1/pk	0-25
QPA251-2	#1 Santoprene® Tube Complete, 2/pk	0-25
QPA252-2	#2 Santoprene® Tube Complete, 2/pk	0-25
QPA253-2	#3 Santoprene® Tube Complete, 2/pk	0-25
QPA254-2	#4 Santoprene® Tube Complete, 2/pk	0-25
QPA255-2	#5 Santoprene® Tube Complete, 2/pk	0-25
QPA101-1	#1 Santoprene® Tube Complete, 1/pk	26-100
QPA102-1	#2 Santoprene® Tube Complete, 1/pk	26-100
QPA101-2	#1 Santoprene® Tube Complete, 2/pk	26-100
QPA102-2	#2 Santoprene® Tube Complete, 2/pk	26-100



CHEMICAL FEED SYSTEMS

QuickPro® Pump Head Parts

	Item #	Description
	QP400-1	Tube Housing with Latches, Universal, 1/pk
	QP400-2	Tube Housing with Latches, Universal, 2/pk
	QP401-2	Latches Only, 2/pk
	QP500-1	Roller Assembly, 1/pk
	QP500-4	Roller Assembly, 4/pk
	QP100-1	Tube Housing Cover with Bushings, Universal, 1/pk
	QP100-4	Tube Housing Cover with Bushings, Universal, 4/pk



QuickPro® Innermost Pump Head Parts

For classic double head pumps (Series 100 & 170)

	Item #	Description
	QP10A-1	Pump Head Cover, 1/pk
	QP10A-2	Pump Head Cover, 2/pk
	QP50A-1	Roller Assembly

Non-QuickPro® Pump Head Parts

Pre 2011 (Pump with non-QuickPro® pump head: Serial number prefix begins with the date 04/29/11 and prior)

	Item #	Description
	UC3ASYD	Roller Assembly, 1/pk
	UCCPSOB	Cover Screws, 10/pk*
	MCCPSOB	Cover Screws, 24/pk*

*Cover screws not needed if using QP tube housing with latches and QP tube housing cover.

QuickPro® Pump Head Service Kits



All Kits Include: (1) roller assembly, (2) ¼" connecting nuts, (2) latches, (3) ¼" ferrules, (1) pump tube and (1) duckbill

(Duckbill only included in the 26-100 psi kits)

Item #	Description	psi
QP251K	#1 Santoprene® Tube	0-25
QP252K	#2 Santoprene® Tube	0-25
QP253K	#3 Santoprene® Tube	0-25
QP254K	#4 Santoprene® Tube	0-25
QP255K	#5 Santoprene® Tube	0-25
QP101K	#1 Santoprene® Tube	26-100
QP102K	#2 Santoprene® Tube	26-100
QP107K	#7 Santoprene® Tube	26-100

Non-QuickPro® Pump Head Service Kits



Pre 2011 (Pump with non-QuickPro® pump head: Serial number prefix begins with the date 04/29/11 and prior)

All Kits Include: (1) roller assembly, (2) ¼" connecting nuts, (2) cover screws, (3) ¼" ferrules, (1) pump tube and (1) duckbill

(Duckbill only included in the 26-100 psi kits)

Item #	Description	psi
PSKL01	#1 Santoprene® Tube	0-25
PSKL02	#2 Santoprene® Tube	0-25
PSKL03	#3 Santoprene® Tube	0-25
PSKL04	#4 Santoprene® Tube	0-25
PSKL05	#5 Santoprene® Tube	0-25
PSKH01	#1 Santoprene® Tube	26-100
PSKH02	#2 Santoprene® Tube	26-100
PSKH07	#7 Santoprene® Tube	26-100

Tube Assemblies



All Stenner® tubes (except #7) are interchangeable with all feeders and feeder output ranges. #7 Tube only fits single head feeders for high pressure. Tubes are stamped on the end with a number indicating the tube size.

Item #	Description
UCCP201	#1 Santoprene® Tube Assembly with Ends, 2/pk
UCCP202	#2 Santoprene® Tube Assembly with Ends, 2/pk
UCCP203	#3 Santoprene® Tube Assembly with Ends, 2/pk
UCCP204	#4 Santoprene® Tube Assembly with Ends, 2/pk
UCCP205	#5 Santoprene® Tube Assembly with Ends, 2/pk
UCCP207	#7 Santoprene® Tube Assembly with Ends, 2/pk
UCCP1FD	#1 Santoprene® Tube Assembly with Ends & Duckbill, 2/pk
UCCP2FD	#2 Santoprene® Tube Assembly with Ends & Duckbill, 2/pk
UCCP7FD	#7 Santoprene® Tube Assembly with Ends & Duckbill, 2/pk
MCCP201	#1 Santoprene® Tube Assembly with Ends, 5/pk
MCCP202	#2 Santoprene® Tube Assembly with Ends, 5/pk
MCCP203	#3 Santoprene® Tube Assembly with Ends, 5/pk
MCCP204	#4 Santoprene® Tube Assembly with Ends, 5/pk
MCCP205	#5 Santoprene® Tube Assembly with Ends, 5/pk
MCCP207	#7 Santoprene® Tube Assembly with Ends, 5/pk

Injections, Check Valves & Parts

Item #	Description	psi
UCAK300	¼" Injection Fitting with Nut & Ferrule, 1/pk	0-25
MCAK300	¼" Injection Fitting with Nut & Ferrule, 5/pk	0-25
CVIJ3/8	¾" Injection Fitting Only	0-25
UCDBINJ	¼" Check Valve with Duckbill & Ferrule, 1/pk	26-100
MCDBINJ	¼" Check Valve with Duckbill & Ferrule, 5/pk	26-100
UCINJ38	¾" Check Valve with Duckbill, 1/pk	26-100
MCINJ38	¾" Check Valve with Duckbill, 5/pk	26-100
UCCVDB0	Santoprene® Duckbills, 2/pk	26-100
MCCVDB0	Santoprene® Duckbills, 5/pk	26-100
CVIJOR	Santoprene® Check Valve O-Ring, 1/pk	26-100

Accessory Kits



¼" Kit Includes: (3) Connecting nuts, (3) ferrules, (1) injection fitting, suction line strainer, (1) 20' roll of tubing, (1) pump tube (1-5), (2) latches, (1) mounting bracket and manual

¾" Kit Includes: (3) connecting nuts, (2) ferrules, (1) injection fitting, suction line strainer, (1) 20' roll of tubing, (1) pump tube (1-5), (2) latches, (1) mounting bracket and manual

Item #	Description	psi
CPACK-1	#1 Tube Kit, Low Pressure, ¼"	0-25
CPACK-2	#2 Tube Kit, Low Pressure, ¼"	0-25
CPACK-3	#3 Tube Kit, Low Pressure, ¼"	0-25
CPACK-4	#4 Tube Kit, Low Pressure, ¼"	0-25
CPACK-5	#5 Tube Kit, Low Pressure, ¼"	0-25
MAACK-1	#1 Tube Kit, Low Pressure, ¾"	0-25
MAACK-2	#2 Tube Kit, Low Pressure, ¾"	0-25
MAACK-3	#3 Tube Kit, Low Pressure, ¾"	0-25
MAACK-4	#4 Tube Kit, Low Pressure, ¾"	0-25
MAACK-5	#5 Tube Kit, Low Pressure, ¾"	0-25
HPACK-1	#1 Tube Kit, High Pressure, ¼"	26-100
HPACK-2	#2 Tube Kit, High Pressure, ¼"	26-100
HPACK-7	#7 Tube Kit, High Pressure, ¼"	26-100
MAHPK-1	#1 Tube Kit, High Pressure, ¾"	26-100
MAHPK-2	#2 Tube Kit, High Pressure, ¾"	26-100
MAHPK-7	#7 Tube Kit, High Pressure, ¾"	26-100

CHEMICAL FEED SYSTEMS

Feed Rate Control Assemblies & Parts

Item #	Description
 FC5040D	Series Adjustable 45 & 85 FRC with Shaft
 DM5040D	Series Adjustable 100 & 170 FRC with Shaft
 UCFC5AD	Series Adjustable 45 & 85 Main Shaft
 MCFC5AD	Series Adjustable 45 & 85 Main Shaft, 2/pk
 DM5A00D	Series Adjustable 100 & 170 Main Shaft



Item #	Description
FSK100	Series Adjustable 45, 85, 100 & 170 Service Kit

Miscellaneous Parts

Item #	Description
 UCAK100	1/4" Connecting Nut, 10/pk
 MCAK100	1/4" Connecting Nut, 24/pk
 MANUT00	3/8" Connecting Nut, 1/pk
 UCADPTR	3/8" Connecting Nut with Adapter, 2/pk
 MCADPTR	3/8" Connecting Nut with Adapter, 5/pk
 UCAK200	1/4" Ferrule, 10/pk
 MCAK200	1/4" Ferrule, 24/pk
 MAGRE55	Aquashield®, 5.5 oz Tube
AK600	1/4" Flow Indicator with Bracket
AK700	3/8" Flow Indicator with Bracket
ST114	1/4" Suction Line Strainer with Weight
ST138	3/8" Suction Line Strainer with Weight

ECON T PUMPS

The Econ T pumps provide automatic injection with the flexibility to program a customized dosing schedule, 24 hours a day, 7 days a week. A battery is included as backup to power loss to maintain the time and programmed events. Available in both 25 psi and 80 psi application.





Each pump comes complete with:




- 3 Connecting Nuts 1/4"
- 3 Ferrules 1/4"
- 25 psi pump 1 Injection Fitting 25 psi (1.7 bar) max
- 80 psi pump 1 Duckbill Check Valve 80 psi (5.5 bar) max
- 1 Weighted Suction Line Strainer 1/4"
- 20' Suction/Discharge Tubing 1/4", white
- 1 Additional Pump Tube
- 1 Manual



Item #	Description	psi
E10T1A71S	Econ T Pump, A Tubing, 1/4" Tubing, 2.5 gpd	0-25
E10T2A71S	Econ T Pump, A Tubing, 1/4" Tubing, 5.0 gpd	0-25
E10T1F71S	Econ T Pump, F Tubing, 1/4" Tubing, 0.6 gpd	26-80
E10T2F71S	Econ T Pump, F Tubing, 1/4" Tubing, 1.3 gpd	26-80

Econ T Pump Parts

	Item #	Description
	EC350	Roller Assembly White Tubes A, B, C, F, M
	EC30A-2	Tube A 2/pk
	EC30F-2	Tube F 2/pk
	EC355	Pump Head Cover

	Item #	Description
	UCAK300	Injection Fitting 1/4" 25 psi, with nut and ferrule
	UCDBINJ	Injection Fitting 1/4" 80 psi, with duckbill check valve nut & ferrule
	ST114	Weighted 1/4" Suction Line Strainer

BATCH TANK SYSTEMS

Batch Tank Systems are manufactured with durable, corrosion resistant components. A batch tank system can allow for the correct ratio of a product solution to meet regulatory specifications, reduce operation costs, and will result in overall better water management.

Open Top Tanks for batch mixing are manufactured from 100% virgin High-density linear (HDPLPE) polyethylene tank. The result is a durable, long-lasting tank system that will not dent or corrode. The high-quality thermoplastic material used has outstanding resistance to both physical and chemical degradation. Resistance to a wide array of wet and dry industrial chemicals makes HDPLPE polyethylene ideal for batch tank mixing. The tanks are translucent in a slightly off-white to creamy-yellow tone.

The tank lid is manufactured from the same high-quality HDPLPE polyethylene and is tightly fitted for the day tank to ensure stability. Each tank lid will be double hinged (first for addition of product, second for ease of lid removal). Lids will be manufactured with a substructure to mount the mixer. All lids will sit in the lip of the tank.

Batch Tank Chemical Feed for Sodium Bisulfate

Aqua Pure batch system tank systems are manufactured specifically for pH control. pH is the most important parameter for water balance, bather comfort and disinfectant effectiveness. Having the correct ratio of a pH balance chemical to reduce pH will allow the pool professional to maintain an equilibrium of all other saturation index parameters. This saves time and money with reduced labor costs and chemicals by avoiding frequent water balance adjustments.



Item #	Description
55HLMT	Batch Tank 55-gallon (22" D x 36" H) HDPLPE polyethylene flat bottom open top tank with surface mount piano hinged lid. 1/20HP single phase mixer, 115V, 60C motor with 316 SS shaft with polypropylene turbine and simple touch shut off safety outlet.
120HLMT	Batch Tank 120-gallon (30" H x 43" H) HDPLPE polyethylene flat bottom open top tank with surface mount piano hinged lid. 1/20HP single phase mixer, 115V, 60C motor with 316 SS shaft and propeller, with simple touch shut off safety outlet.

CHEMICAL FEED SYSTEMS

MINI-BULK STORAGE TANKS

Liquid storage tanks are made of High Density Polyethylene (HDPE), minimum 1.9 specific gravity. These tanks are NSF/ANSI Standard 61 approved, manufactured from Food Grade FDA approved virgin polyethylene resin and UV stabilized. All tanks are approved for the storage of Hydrochloric Acid, Sodium Bisulfate, Sodium Hypochlorite and many other chemicals as per manufacturer chemical resistant charts.

Double Wall Bulk Storage Tanks

Features

- Saves valuable floor space
- Enclosed design prevents debris from collecting in containment tank
- Sized from 50-6,000 gallons



Item #	Capacity	Dimensions
TC3448DC	150 gal	34" D x 48" H
TC4152DC	200 gal	41" D x 52" H
TC5256DC	350 gal	52" D x 56" H
TC5971DC	500 gal	59" D x 71" H

Containment Basins

Excellent chemical and impact resistance. Capacities listed are the maximum for the containment basin. The containment basin capacity must be at least 10% greater than the primary tank.



Item #	Capacity	Dimensions
TC64330A	385 gal	64" D x 33" H
TC66460A	675 gal	66" D x 46" H

Vertical Storage Tanks

Tanks can be customized with a well pipe, foot valve and shut off valve for chemical feed.

Item #	Capacity	Dimensions
VT0175-29	175 gal	29" D x 66" H
VT0275-47	275 gal	47" D x 56" H
VT0440-67	440 gal	53" D x 67" H

INFORMATION

MINI-BULK CHEMICAL FEED SYSTEM

Aqua Pure has been delivering chemicals and the equipment for the storage and handling of mini-bulk systems to aquatic facilities since 1988. All products sold and delivered have a guaranteed strength and are delivered by hazmat-trained delivery specialists. Deliveries are made between one and three business days, or can be put on automatic delivery schedule. Systems encompass proper storage containers, guaranteed strength and hazmat-trained delivery staff. Custom-fitted storage tanks are available from 130 gallons up to 2,500 gallons and are installed on customer site.

MINI-BULK PRODUCT - GUARANTEE STRENGTH

Sodium Hypochlorite

Sodium Hypochlorite is EPA registered, guaranteed strength of 12.5% by weight and up to 15% by volume.

Advantage pH Down

Liquid sodium bisulfate is a non-fuming pH reducer. It is safer to handle and is less corrosive to equipment. 32% strength, works as well as hydrochloric acid (aka muriatic acid), with no fuming. NOTE: Between 42°F and below, sodium bisulfate will start to crystalize and harden. Must be kept above 50°F.

pH Balance

Liquid hydrochloric acid, 18% is much less corrosive than regular muriatic acid, making it a better choice for facilities that have tanks outside, or on an outside wall and its water source has a high alkalinity, over 180 ppm.

Acid Blue

Acid Blue is a muriatic acid (hydrochloric acid) replacement that is safer, with 90% less fumes than traditional muriatic acid.

Hydrochloric Acid

Hydrochloric Acid is a strong, inorganic acid. It is useful, yet very dangerous. We offer a mini-bulk system with containment tank and scrubber, designed to handle 31-32% muriatic acid, making storage safe and non-corrosive. This system comes with an insurance policy.



TUBING & FITTINGS

Polyethylene Tubing (100 ft/Hard)



Item #	Description
2T20-0403N	¼" OD x 0.170" ID 100 FT Roll
2T20-0604N	¾" OD x ¼" ID 100 FT Roll
2T20-0806N	½" OD x ⅜" ID 100 FT Roll
UP44	¼" OD x 0.170" ID Per Foot
UP66	⅜" OD x ¼" ID Per Foot
UP86	½" OD x ⅜" ID Per Foot

Jaco Fittings X MPT (Vibra Proof)

Jaco Vibra Proof Fittings molded sleeve as an integral part of the nut eliminates two piece assembly. Water connection fittings made of polypropylene. Chemical resistant fittings made of Polyvinylidene Fluoride (PVDF), also known as Kynar®, to resist break down from chemicals such as sodium hypochlorite, hydrochloric acid (muriatic) and other corrosive liquid chemicals.



Water Connection (Polypropylene)

Item #	Description
10-6-8-P-O	Jaco Vibra Proof Connector ¾" Tube x ½" NPT
10-8-4-P-O	Jaco Vibra Proof Connector ½" Tube x ¼" NPT
10-8-8-P-O	Jaco Vibra Proof Connector ½" Tube x ½" NPT



Chemical Tubing Connection (PVDF)

Item #	Description
10-4-4-K-O	Jaco Vibra Proof Connector ¼" Tube x ¼" NPT
10-6-8-K-O	Jaco Vibra Proof Connector ¾" Tube x ½" NPT
10-8-8-K-O	Jaco Vibra Proof Connector ½" Tube x ½" NPT

EMPTY CONTAINERS

Carboy



Drum



Day Tank








Item #	Description	Item #	Description	Item #	Description
CRBY5	5 gal Carboy (Empty) Natural with Vented Cap	55DRUM	55 gal Drum (Empty) Natural	8613	30 gal Tank Only
				8614	55 gal Tank Only
				8625	Cover Only (30 or 55 gal)



Department of Transportation regulation states that a carboy has a five year expiration date from the day it is manufactured. All carboys over five years old must be replaced with new carboys. Expired carboys must be destroyed by the consumer.

CHEMICAL FEED SYSTEMS

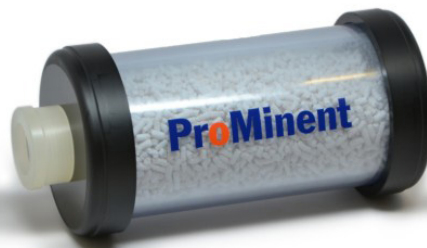
Accessories

	Item #	Description
	W397	Carbon Wrench 70 mm, Aluminum
	WRENCH-70	Carboy Wrench 70 mm, PVC
	9F520	Pail Wrench Polystyrene
	W169	Drum Wrench
	4HA28	Heavy Duty Siphon Pump*

*Heavy-duty siphon pump below action lets you easily hand pump to higher or lower levels. High-density polyethylene construction fits 15, 30 and 55 gal drums with 2" NPT bungs. Transfer rate: 7 gpm.



PROMINENT® ACID FUME SCRUBBER



A Fume-Free Work Environment

The Acid Fume Separator (AFS) is a proprietary device that allows for direct venting of an acid tank located inside a mechanical room. The result is a fume-free workplace with added protection of metal and electrical components. The proprietary reagent will change from white to purple when reagent is no longer effective.

Features & Benefits

- Designed for hydrochloric acid (aka muriatic acid) tanks
- Eliminates fume attack on electrical components
- For use on sealed tanks and carboys
- Standard with 3/4" male NPT connection which allows direct installation or removal on to carboy's
- AFS can be tank mounted or wall mounted
- Equipped with proprietary reagents
- Reagent needs changed when white turns to purple
- Refill reagent sold separately

Item #	Description
7747090	Acid Fume Scrubber
7747091	Wall Mounting Kit
7747102	Refill Reagent Kit
7747088	O-Ring Replacement Kit

PENTAIR AUTOMATIC CHLORINE & BROMINE FEEDERS



The Easy Way To Sanitize Large Pools

These heavy-duty, high-capacity feeders are a completely enclosed system and provide automatic sanitization for residential or commercial pools up to 658,500 gallons. All sizes operate effectively and efficiently with slow-dissolving trichlor or bromine tablets.

300 Series Commercial Off-Line Feeder

Retrofits into existing pools or spas. Operates on pressure side of pump. Uses 1/4" feeder hoses, control valve and fittings.

Item #	Series	Description
R171070	300-29X	Heavy-duty 1/2" control valve and tubing optimizes flow and erosion to provide larger amounts of sanitizer. Dispenses 8.5 lbs of 1" Trichlor tablets in 24 hrs. Holds 29 large or 237 small tablets. Treats 80,000-322,000 gallons.

High Capacity Chlorine/Bromine Feeders

High capacity feeders are one of the easiest ways to sanitize large residential and commercial swimming pools using either chlorine or bromine slow-dissolve tablets. These heavy-duty, high capacity feeders provide automatic sanitization for pools up to 658,500 gallons. They are designed for offline plumbing installations using one-inch PVC pipe and are available in three sizes to fit a variety of pool applications.

Item #	Series	Description
R171215	HC-3315	High capacity for 1" hard plumbing installations. Holds 15 lbs of tablets. Treats up to 20,200 gallons with Bromine and up to 97,600 gallons with Trichlor.
R171230	HC-3330	High capacity for 1" hard plumbing installations. Holds 30 lbs of tablets. Treats up to 40,000 gallons with Bromine and up to 160,000 gallons with Trichlor.
R171240	HC-3340	High capacity for 1" hard plumbing installations. Holds 40 lbs of tablets. Treats up to 61,000 gallons with Bromine and up to 332,000 gallons with Trichlor.





CHEMICAL FEED SYSTEMS

PENTAIR AUTOMATIC CHLORINE & BROMINE FEEDER PARTS

Model 300-29X





	Item #	Description		Item #	Description
	R172008W	3" Threaded Cap, White		R172272	½" 90° NPT x Tube Fitting with Nut
	R172009	O-Ring, Cap		R172263	Saddle Gasket
	R172086	½" Control Valve		R172052	Cap Wrench

Model HC-3315, HC-3330 & 3340

	Item #	Description		Item #	Description
	R172214	Lock Ring		R172439	Control Valve
	R172385D	Lid Assembly Complete		R172435	Check Ball
	R172224X	Vent Valve		R175251	Screen
	R175009	½" Hose Bib with T Handle		R172374	Lock Spring
	R172134	½" Threaded Plug		R172240	O-Ring Lid to Housing
	R270531	1" Threaded Union			

CHEMICAL SIGNS & LABELS

Chemical Hazard Signs

	Item #	Description
	S-0355-PL-10	Danger Sodium Hypochlorite 7" x 10", Plastic
	S-0377-PL-10	DANGER Hydrochloric Acid, 7" x 10", Plastic
	S-0420-PL-10	CAUTION Chemical Storage Area, 7" x 10", Plastic
	OCE-31713	CAUTION - Warning Calcium Hypochlorite, 7" x 10", Plastic

Labels



Item #	Description
REORDER	Re-Order Label



Item #	Description
CORR	Corrosive Label

INFORMATION

NFPA 704

NFPA 704 provides basic information for emergency personnel responding to a fire or spill and those planning for emergency response. The typical label location is on the outside of the building, on doors, on tanks, visible to emergency responders during a spill or fire. NFPA 704 does not specify when a container, tank or facility must label. It tells you how. Many times it is the local fire department that requires such labeling.

It is the user who is responsible for rating materials. Use of the NFPA 704 Standard System for identification of the Hazard Materials must be used to properly label the NFPA diamonds. The rating for the NFPA 704 differ from the SDS sheets, you can obtain a copy of the NFPA 704 at www.nfpa.org/704.

In the workplace, make sure to keep chemicals in their original containers, SDS sheets and personal protective equipment are readily available, and that proper training is provided.

Health Hazard


4	Deadly
3	Extreme Danger
2	Hazardous
1	Slightly Hazardous
0	Normal Material

Fire Hazard Flash Point

4	Below 73°F
3	Below 100°F
2	Below 200°F
1	Above 200°F
0	Will Not Burn



Specific Hazard

OX	Oxidizer
ACID	Acid
ALK	ALKALINE
COR	Corrosive
W	Use No Water
	Radioactive

Instability

4	May Detonate
3	Shock + Heat May Detonate
2	Violent Chem. Change
1	Unstable if Heated
0	Stable

If you would like to order the NFPA sign for your facility, you must have the proper diamond identification code. This can be obtained at www.nfpa.org/704 or you can consult your local fire department. There are many online organizations that you can order your personalized NFPA 704 sign from.

CHEMICAL SAFETY

PERSONAL SAFETY EQUIPMENT

Goggles

Goggles resist mild acids, caustics, aromatic hydrocarbons and methylene chloride. Reducing lens replacement costs, these goggles are coated on the outside with silicote-6, which creates an inert barrier against corrosive chemicals.



Item #	Description
7005	Chemical Resistant Goggles

Gloves

55.00 mil Neoprene chemical resistant gloves, interlock knit lining.



Item #	Description
08-354-9	Chemical Resistant Gloves, Size 9 (SAPF50)
08-354-10	Chemical Resistant Gloves, Size 10 (3BC92)

MSA Advantage® Respirator Mask

Use when handling chlorine and chlorine tablets. Particulate Respirator with exhalation valve provides extra comfort for dusty environments and liquid aerosols that do not contain oil. 3M 8511 NIOSH N95.



Item #	Description
10031341	MSA Advantage® Full Face Respirator, Large
10031309	MSA Advantage® Full Face Respirator, Medium



815357	Chemical Cartridge, Yellow Bayonet Connects 2/pk (Use on MSA Advantage® Series Respirators)
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Other Personal Safety Equipment

Item #	Description
8516	Disposable Respirator with Exhalation Valve
49-055	Full Face Shield
49-015	Self-Contained Eyewash
49-026	Hand-Held Eyewash & Body Flush
49-027	Replacement Opti-Acid Solution for 49-026
32TL74	Chemical Resistant Sleeve Protectors 100/pk
49-065	Chemical Resistant Apron, 35" x 45"
49-070	Knee Boots, 15" PVC Nitrile Men Size 6-13
49-135	SDS Safety Station Binder, Wall Sign Binder Rack
121370	SDS Holder & Sign
121184	SDS Binder, 2 1/2"



CONTACT AQUA PURE FOR SDS SHEETS FOR CHEMICALS PURCHASED THROUGH AQUA PURE

OSHA laws require SDS sheets to be available in the work place. The SDS sheets should be readily available to all employees in plain view. Each Chemical has a unique SDS sheet that shows informative facts. Five essential facts that each employee should be able to quickly access include:

- Proper protection during the use of the chemical
- How to store the chemical in a proper fashion
- How to clean the chemical up in the event of a spill
- How to administer first aid if an accident occurs while using the chemical
- Identify if the chemical is a fire hazard or explosive

PROMINENT® CONTROLLERS



ProMinent®

ProMinent® Fluid Controls

The ProMinent® Series controllers are the perfect partner for remote monitoring and controlling water chemistry parameters and processes in aquatic facilities, water parks, competition pools, commercial lap pools, therapy, spas and specialty swimming pools. The precision, flexibility and uncompromising quality represent a world-class IIoT solution to ensure a safe and healthy water experience for your customers and peace of mind for you.

Included with all ProMinent® Aquatics Automatic Controllers:

- Factory mounted on a 18" x 30" polypro board, includes DGMa sensor housing assembly with a flow switch, temperature sensor, model specific sensors and power cord
- Five-year warranty on electronics, two years on pH and ORP sensors, one year on chlorine sensors

Features & Benefits

- Receive email and text alarms
- Make changes from your smartphone, tablet or computer
- No apps required to connect and control
- Configurable digital interlocking to flowmeter and circ pump
- WiFi, Ethernet and 4G capable

Monitor & Control	DCM 3	DCM 5
Flowmeter / Flowrate	✓	✓
VFD		✓
Combined Chlorine		✓
UV		✓
Sensor Proportional Feed	✓	✓
Sensor Time Cycle	✓	✓
Output to ProMinent Pump	✓	✓

Password Security	DCM 3	DCM 5
8 Assignable Passwords	✓	
29 Assignable Passwords		✓

Programmable Inputs & Outputs	DCM 3	DCM 5
Digital Inputs	6	8
Analog Inputs	5	7
Control Relays	5	5
Digital Outputs		4
Analog Outputs		2

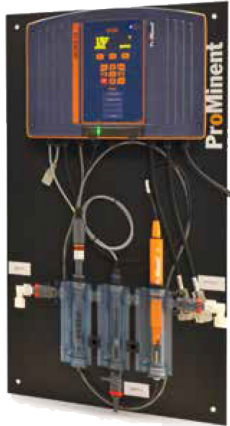


Chemical Automation is the pool professionals' reliable tool. It assists with the two most rapidly changing water chemistry parameters, pH and disinfectant. Bather demand, water source and outside elements all affect pH and disinfectant. A controller that is best equipped and programmed for the needs of a facility will not only monitor and maintain proper parameters, but send notifications when levels are out of parameter.

Aqua Pure can assist with properly matching the right controller for your needs.

CHEMICAL AUTOMATION

ProMinent® DCM 3 Series Controller



Item #	Description
1107687	DCM300 Controller Package with pH, ORP and Temperature Sensors
1107688	DCM300S Controller Package for Salt Systems with pH, Au ORP (Gold Tip) and Temperature Sensors
1107689	DCM300S+ Controller Package for Salt Systems with pH, Au ORP (Gold Tip), Temperature and Conductivity Sensors
1107690	DCM3CL Controller Package with pH, PPM (CLB Glass) and Temperature Sensors
1107691	DCM3CL+ Controller Package with pH, PPM (CLB Glass), Temperature and Conductivity Sensors
1118932	DCM3CLORP Controller Package with pH, ORP, PPM (CLB Glass) and Temperature Sensors

ProMinent® DCM 5 Series Controller



Item #	Description
1080771	DCM510 Controller Package with pH, ORP and Temperature Sensors
1080772	DCM511 Controller Package with pH, ORP, Free CL (CLE) and Temperature Sensors for Non-Stabilized (no cya) Water
1080773	DCM512 Controller Package with pH, ORP, Free CL (CLE3), Total CL (CTE1) and Temperature Sensors for Non-Stabilized (no cya) Water
1080774	DCM513 Controller Package with pH, ORP, Total CL (CGE) and Temperature Sensors for Stabilized (no cya) Water
1093879	DCM513 Controller Package with pH, ORP, Bromine and Temperature Sensors

DCM 5 Upgrade Kits

Item #	Description
1096831	DCM510 Upgrade Kit - CGE (OUTDOOR), Total Chlorine Probe, Flow chamber, Sensor card
1096832	DCM510 Upgrade Kit - CLE (INDOOR), Free Chlorine Probe, Flow chamber, Sensor card
1096833	DCM510 Upgrade Kit - CLE & CTE (INDOOR), Free and Total Chlorine Probes, Chambers, Sensor Card, Assist with programming of ProMinent UV
1095087	DCM510 and DCM310 Upgrade Kit - Conductivity, Total Dissolved Solids
1048856	DCM5 Power Terminal Box (per Councilman-Hunsacker/Water Technology Specification)

PROMINENT® CONTROLLER PARTS

ProMinent® has been manufacturing instrumentation and sensors, specifically for the water treatment market for over 30 years. All components are manufactured here in the USA. ProMinent® offers a two year limited warranty and all SN6 connections are sealed to prevent exposure to the elements.

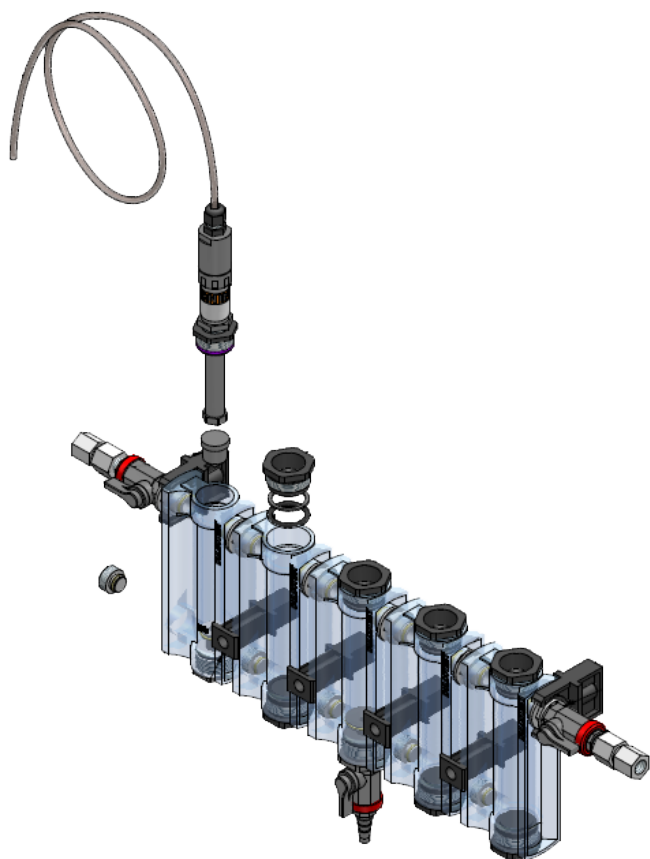
Prominent® Sensors


	Item #	Description	DCM2	DCM3	DCM5
	7500441	ProMinent pH Sensor Glass Tip, Commercial Grade 2 yr. Warranty - SN6 Connector for 25 mm DGMa Sensor Housing Assembly and 1/2" NPT	✓	✓	✓
	7500442	ProMinent ORP Sensor Platinum Tip Industrial Grade 2 yr. Warranty - SN6 Connector for 25 mm DGMa Sensor Housing Assembly and 1/2" NPT	✓	✓	✓
	1003875	ProMinent ORP Sensor Gold Tip for Salt Pools or the Presence of Hydrogen in Water - SN6 Connector for 15.5 mm DGMa Sensor Housing Assembly and 1/2" NPT		✓	✓
	1006895	ProMinent BRE1 Bromine Sensor 1-10 ppm Solution Specific for Bromine Treated Water		✓	✓
	1051505	ProMinent Temperature Sensor for DCM2	✓		
	1082254	ProMinent PT1000 Temperature Sensor with Adaptor for DCM5 Series		✓	✓
	1094802	ProMinent Conductivity (Sensor Only)		✓	✓
	792919	ProMinent CLE3 Free Chlorine Sensor 1-10 PPM Without Cyanuric Acid			✓
	740684	ProMinent CTE1 Total Chlorine Sensor 1-10 PPM Without Cyanuric Acid			✓
	1033870	ProMinent CLO Free Chlorine Sensor 1-10 PPM For In-Line Salt Generation			✓
	1047975	ProMinent CGE Total Chlorine Sensor 3-mA-10 PPM Chlorine, Salt Pools and Cyanuric Acid Tolerant		✓	✓
	1041696	ProMinent CLB3 Gold Tip Total Chlorine Sensor 1-5 PPM for In-Line Salt Generation Without Cyanuric Acid (Prefers Negative Saturation Index)	✓	✓	
	1104626	ProMinent CLB3 Platinum Tip Total Chlorine Sensor 1-5 PPM for Chlorine Without Cyanuric Acid (Prefers Negative Saturation Index)		✓	

Prominent® Sensor Parts & Accessories

	Item #	Description	DCM3	DCM5
	790488	ProMinent CLE3 Sensor Replacement Cap Only (Free Chlorine)	✓	✓
	506270	ProMinent CLE3 Sensor Electrolyte Only (Free Chlorine)	✓	✓
	792862	ProMinent CTE, CGE3, CTE Gold Tip and BRE1 Sensor Replacement (Membrane Only)	✓	✓
	792892	ProMinent CTE, CGE3, CTE Gold Tip and BRE1 Sensor (Electrolyte Only)	✓	✓
	1035197	ProMinent CLO Sensor Replacement (Salt Water)	✓	✓
	1035191	ProMinent CLO Sensor, Electrolyte Only (Salt Water)	✓	✓
	740048	ProMinent CTE, CGE3, CTE Gold Tip and BRE1 Sensor Replacement Membrane Kit, Spare Tips (X2) and Electrolyte	✓	✓

Prominent® DGMa Modular Sensor Housing Parts



	Item #	Description
	791226	DGMa Connector Nipple Male M20X6 PVC
	791235	DGMa Plug for Bottom Side of Chamber M20 X 1.5, Welsh
	791634	DGMa Float Only for Flow Meter (Sensor)
	791635	DGMa Flow Sensor Assembly - Flow Switch

	Item #	Description
	791671	DGMa Flow Sensor Chamber with GPH Markings PVC
	791673	DGMa Chamber for Sensors Module PG25 DLG PVC
	791733	DGMa Clamped Disc for Probe Chamber 13/25.5 X 1.5 P
	791734	DGMa Plug on Top for Insertion of Sensor M34 X 1.5 X PG 13.5, PVDF
	1002722	DGMa O-Ring for Probe Chamber 3.5MM X 25MM, Viton
	1004739	DGMa Sampling Valve Tap 25MM, PVC/VITON
	1010380	DGMa Valve Labcock Water Inlet and Outlet 1/4" PVC VITON
	7500521	DGMa Spacer Clip for Flow Sensor
	7740215	ProMinent DGMa Cable for Flow Sensor 2-Wire Shielded Type 8760
	25-6-4-K-PG	DGMa Female Connector 3/8 OD, 1/4 FT, PVDF for Water Inlet and Outlet
	1083246	Filter for DGMa Modular Sensor Housing

Prominent® CO₂ Feeders

ProMinent CO₂ Feeders are equipped with all the necessary components for easy installation and reliable performance. The design incorporates an electric solenoid valve and a manually adjustable flowmeter. Accessories available are: CO₂ diffuser, venturi, pressure regulars, heaters and manifold assemblies.



Auto-Switching CO₂ Changeover System

Get the continuous flow you need with an auto-switching gas changeover system. The patented "Eliminator" automatic gas changeover system allows for automatic switching from primary cylinders to secondary cylinders once the primary cylinders are emptied. Ensure your CO₂ systems are free from outages with a continuous automatic-changeover system from Assurance Valve.



Item #	Description
7746991	CO ₂ - 50 Feed Unit 5-50 SCFH with 15' Power Cord and Push-To-Connect Fittings
7746992	CO ₂ - 50 Feed Unit 5-50 SCFH with 15' Power Cord, Push-To-Connect Fitting and Venturi
7746993	CO ₂ - 50D Feed Unit 5-50 SCFH with 15' Power Cord, Push-To-Connect Fitting and Diffuser
7746928	CO ₂ - 200 Feed Unit 20-200 SCFH with 15' Power Cord and Push-To-Connect Fittings
7746931	CO ₂ - 200E Feed Unit 20-200 SCFH with 15' Power Cord, Push-To-Connect Fitting and Venturi




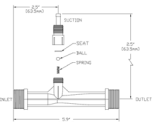
Unlimited configurations available for customization

- Our auto-switching gas cylinder changeover system allows for user flexibility. It can be customized to your cylinder configuration requirements
- Hose lengths can be manufactured for any length
- Not electronic. Never worry about system malfunctions or service calls

Item #	Description
20-1002	2 Cylinder CO ₂ Eliminator Switchover CGA 320
20-1004	4 Cylinder CO ₂ Eliminator Switchover CGA 320
20-1006	6 Cylinder CO ₂ Eliminator Switchover CGA 320
20-1008	8 Cylinder CO ₂ Eliminator Switchover CGA 320



CO₂ Feeder Accessories

Item #	Description
 7747036	Regulator Brass 0-125 PSI CGA 320 1/4 MT
 7746943	CO ₂ Heater 120V 60Hz
 7746926	CO ₂ Diffuser Assembly Air Stone 1/8" Injection Valve 3/8" PCB
 7746942	CO ₂ -E Venturi Kit PVDF 3/4" MNPT Adapter 3/8" OD x 1/4" FNPT

ProMinent® Surge Level Controller



ProMinent Surge Level Control (SLC) Package connect to both the DCM3 and DCM5 Series Controller and will automatically modulate the level of water in a surge tank. The water level modulation is achieved through the control of a main drain electric or pneumatic valve assembly, (not included). The use of the controller and a 4-20mA feedback loop connected to piezoelectric water level sensor mounted in the surge tank.

Item #	Description
1115360	Surge Level (Controller Only)
1115359	Surge Level Controller with Communication Module and 4-20mA Input

CELLULAR MODEMS

Flight

AquaPhoenix is a custom manufacturer offering innovative products and services for water analysis and chemical feed and control. Their Flight industrial cellular modem keeps your chemical feed and control equipment connected to the internet 24/7 with its cyber-secure connection. Using DirectConnect and the latest cellular and LAN routing technology, Flight provides ANY Ethernet-ready equipment with its secure connection.

These fully-featured communication devices provide you with complete remote monitoring and control of your internet-enabled feed and control equipment. You can receive alarms, answer emails and upload data from anywhere internet service is available. The integrated Wi-Fi provides local wireless access to the feed and control equipment and serves as an internet hot spot. It allows you to use your phone or laptop to access your online service reporting tools, email and documentation on-site. Data plans are also available to pair with your system.

Features

- Independent control - Simple setup with no need to work with IT departments
- Connections are cyber-secure using DirectConnect reverse tunneling technology
- Industrial grade design with electronic boards rated for temperatures of -40°F to 185°F
- Data plans tailored to industrial monitoring, pre-activated and ready to start
- Optional Wi-Fi hotspot allows onsite laptops to wirelessly connect to controllers, email reports from the site, etc.
- Flight fits ALL brands of Internet-ready equipment (controllers, PLC, RTU, etc)
- No software to install – Use your web browser or pre-installed controller remote software
- One Flight can support multiple controllers
- IP67 Ethernet bulkhead(s) for secure, watertight connections
- High gain, low profile antenna
- No public IP, not even dynamic
- In-bound ports are locked down
- Internal firmware establishes secure connection to a cloud server
- HTTPS point-to-point encryption for all connections
- Remote users can securely connect to controllers from any internet-connected devices (computers, tablets, phones, etc.)



CHEMTROL® CONTROLLERS

CH250 Digital Controller

Chemtrol® 250 is a microprocessor-based digital controller designed to maintain both sanitizer ORP (oxidation-reduction potential or Redox) and water pH in Residential Pools and Spas, Commercial Pools and Spas, Hotels, Motels, Health Clubs, Apartments Buildings, Condo associations and Industrial Water Treatment.



Programmable & Integrated Controllers

All of Chemtrol's programmable controllers have the ability to be modified based on the type of monitoring and control you require. You can customize your setup by adding or reducing components accordingly. This provides you with a competitive pricing solution based on the functionality you need.

Integrated Controllers include all options in the Programmable Controllers series plus pump-room integration.

Features included with all Chemtrol® Controllers:

- Feed Mode: Manual, Automatic, Proportional
- Alarms: Out-of-range, Runtime and Overfeed
- Alarms: Audio, Visual, External
- pH, ORP Dynamic Probe Failure Analysis Alert

Chemtrol Selection Features	Digital Controllers	Programmable Controllers			Integrated Controllers	
	CH250	PC2100	PC3000	PC5000	PC6000	PC7100
pH Control	✓	✓	✓	✓	✓	✓
ORP Control	✓	✓	✓	✓	✓	✓
Sanitizer, Free Chlorine Control (PPM)		Option	Option	✓	Option	✓
Heater Control		Option	✓	✓	✓	✓
TDS Control		Option	✓	✓	✓	✓
Temperature Compensation / Display		Option	✓	✓	✓	✓
Dump Valve		Option	✓	✓	✓	✓
Level Control			Option	Option	✓	✓
Pump Program				Option	✓	✓
Filter Control / Backwash Programs					✓	✓
Langelier Saturation Index		✓	✓	✓	✓	✓
Automatic Data Logging		✓	✓	✓	✓	✓
Web Access, Remote Operation		Option	Option	Option	✓	✓
4-20 mA Outputs	Option	Option	Option	Option	✓	✓

CHEMTROL® CONTROLLER PARTS & OPTIONS

CHEMTROL® Free Chlorine Sensors Two-Year Warranty

PPM sensors for direct measurement of Free Chlorine in water in parts per million (ppm) or milligrams per liter (mg/l). Unlike other chlorine sensors on the market, these sensors are very precise and so reliable that they are covered by a two-year warranty. They are easy to install and practically maintenance free. For best water management, it is recommended to use ORP control of chlorine oxidizing activity and PPM monitoring of Free Chlorine. Alternatively, PPM control can be used for control of the sanitizer and ORP control for a non-chlorine oxidizer.



Item #	Description
PPMFC/PC	CHEMTROL® Free Chlorine Sensor

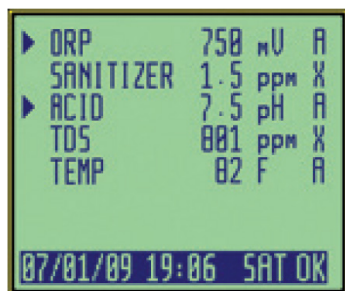
CHEMCOM™ Communications

The CHEMCOM™ Communications options provide remote computer monitoring and operation for all CHEMTROL® PC automated water treatment controllers. CHEMCOM™ is available for new controllers and for existing controllers with a simple upgrade of the motherboard.

Ethernet/Internet Communications







This is recommended for facilities with a local Ethernet computer network. The controller is connected to the network as an additional computer. It can be accessed from any computer on the network that has the CHEMCOM™ software. It can also be accessed from outside the network by connecting to the Internet.

Requirements: Local Ethernet network. Internet connection with static IP address.



Item #	Description
PCX-ETHCOM	Ethernet/Internet Communications

CHEMTROL® Controller Parts

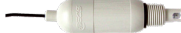



	Item #	Description
	05-100	Strainer for Y-Strainer
	05-115	Compression Fitting for Probes
	05-127	1/2" Acrylic Sensor Cell
	ORP-GEN	Generic ORP Probe, Red
	PH-GEN	Generic pH Probe, Blue
	ORP	Sensor ORP, Red
	PH	Sensor pH, Blue
	155481	Paddle Wheel Flow Switch
	G2R-2S-DC24	Relays

MISCELLANEOUS CONTROLLER PARTS

Acu-Trol® Accessories & Flow Cell Parts

	Item #	Description
	744000260	pH Sensor Only, Blue BNC
	744000280	pH Cable, Blue BNC to Wire
	744000330	ORP Sensor Only, Red BNC
	744000350	ORP Cable, Red BNC to Wire
	744000440	Temperature Sensor with Fitting
	754000400	1/4" Ball Valve
	754000440	Flow Switch with O-Ring, 10' Cord
	754000510	Compression Fitting, 1/2" x 1/4" NPT
	754000360	Flow Cell Filter Complete, 1/4", Black









BECS Controller Parts

	Item #	Description
	9660023	ORP Probe Sensor, 10' Cable
	9660022	ORP Probe Sensor, 36" Cable
	9660010	pH Probe Sensor, 10' Cable
	9660013	pH Probe Sensor, 36" Cable

Strantrrol® Controller Parts

	Item #	Description
	W2T6743	Flow Cell Lens
	W2T6581	Strantrrol Flowcell O-Ring
	W2T6343	Valve Sample PVC, 1/4" MPT
	W2T4677	pH Probe, 32" Cable
	W2T4675	pH Probe, 10' Cable
	W2T3067	HRR Probe, 32" Cable
	W2T3068	HRR Probe, 10' Cable
	W2T5291	Whole Paddle Wheel, Flowmeter Unit, 10'
	W2T3826	Reed Flow Switch

Hayward® CAT Controller Parts

	Item #	Description
	AC075	Flow Cell Kit without RFS Machined Acrylic Flowcell Box
	CAX-20200	Pressure Switch Complete
	CAX-20201	Pressure Switch Only
	AC063	Flow Cell Molded Bowl Style Complete Kit
	CAX-20272	Flow Cell Molded Bowl Only
	CAX-20206	Float Style Flow Switch for Molded Bowl Flow Cell
	PRO15-2	Heavy-Duty pH Sensor, 1/2" NPT
	PRO25-2	Heavy-Duty ORP Sensor, 1/2" NPT

TAYLOR TEST KITS

For more than 90 years, Taylor has been a leading manufacturer of products for analyzing water chemistry. Pool and spa water testing is an essential tool in managing the disinfection, pH, water balance and troubleshooting for adjusting water parameters. Swimming pool and spa environments are dynamic systems which change constantly, due to bathers, source water and environment. Accurate water chemistry tests guide the operator to maintain regulations and the integrity of the facility. Alternatively, operators can check printed-color standards on specially treated cards. This visual method is dependent upon the analyst's ability to match the color of the treated test sample to a color standard.




2000 Series™ Test Kits

The 2000 Series is manufactured to specific standards for comprehensive, routine testing techniques used by service technicians, commercial public pool operators, and health department inspectors. The Complete™ and Service Complete™ kits offer varying combinations of reagents. The 2000 Series Test Kits are favored for field use because there are few components (none easily breakable), no calibration is required before use and any upkeep on these kits is negligible.

Features

- DPD test kits determine free and total chlorine using a colorimetric method
- FAS-DPD test kits determine free and combined chlorine using a titration method
- Sodium Chloride is added to either one of these types of test kits to test for the salt PPM in the pool water
- Each kit comes in a carrying case with instructions on the lid, reagents, testing and treatment guide, and a Watergram®




Item #	Description
	K-2000 Starter™ Kit with 0.75 oz Reagent Test DPD Free and Total Chlorine (1-10), Bromine (2-20), pH with Acid and Base Demand
	K-2005 Complete™ Kit with 0.75 oz Reagent Test DPD Free and Total Chlorine (1-10), Bromine (2-20), pH with Acid and Base Demand, Total Alkalinity, Calcium Hardness, and Cyanuric Acid
	K-2005-C Service Complete™ Kit with 2 oz Reagent Test DPD Free and Total Chlorine (1-10), Bromine (2-20), pH with Acid and Base Demand, Total Alkalinity, Calcium Hardness, and Cyanuric Acid
	K-2005-SALT Complete™ Kit with 0.75 oz Reagent Test DPD Free and Total Chlorine (1-10), Bromine (2-20), Sodium Chloride (Salt) pH with Acid and Base Demand, Total Alkalinity, Calcium Hardness, and Cyanuric Acid
	K-2005C-SALT Service Complete™ Kit with 2 oz Reagent Test DPD Free and Total Chlorine (1-10), Bromine (2-20), Sodium Chloride (Salt) pH with Acid and Base Demand, Total Alkalinity, Calcium Hardness, and Cyanuric Acid

TEST KITS

Item #	Description
 K-2006	Complete™ Kit with 0.75 oz Reagent Test FAS-DPD Free and Combined Chlorine 1 drop = 0.2 or 0.5 PPM, pH with Acid and Base Demand, Total Alkalinity, Calcium Hardness, and Cyanuric Acid
K-2006-C	Service Complete™ Kit with 2 oz Reagent Test FAS-DPD Free and Combined Chlorine 1 drop = 0.2 or 0.5 PPM, pH with Acid and Base Demand, Total Alkalinity, Calcium Hardness, and Cyanuric Acid
 K-2006-SALT	Complete™ Kit with 0.75 oz Reagent Test FAS-DPD Free and Combined Chlorine 1 drop = 0.2 or 0.5 PPM, Sodium Chlorine, pH with Acid and Base Demand, Total Alkalinity, Calcium Hardness, and Cyanuric Acid
K-2006C-SALT	Service Complete™ Kit with 2 oz Reagent Test FAS-DPD Free and Combined Chlorine 1 drop = 0.2 or 0.5 PPM, Sodium Chloride (Salt), pH with Acid and Base Demand, Total Alkalinity, Calcium Hardness, and Cyanuric Acid
 K-2106	Complete™ Kit with 0.75 oz Reagent Test FAS-DPD Total Bromine 1 drop = 0.5 or 1.25 PPM, pH with Acid and Base Demand, Total Alkalinity, Calcium Hardness, and Cyanuric Acid

Ultrapen™ Pocket Testers

Portable and extremely accurate. Press the button, dip the pen into a solution and within seconds the results are displayed.

Item #	Description
 M-6555	Ultrapen Conductivity, Salinity, Temperature, Total Dissolved Solids
 M-6556	Ultrapen pH, Temperature
 M-6557	Ultrapen ORP, Temperature

Commercial Series Slide Test Kits

This system has three components: the molded-plastic Slide comparator itself, which contains nine liquid-color standards; a molded-plastic base to hold the Slide and the vials of sample water and three rectangular plastic test cells. A unique three-cell design compensates for color and/or turbidity in the sample that would otherwise interfere with a proper color match. More testing standards and a liquid to liquid comparator offers a higher degree of accuracy.



Item #	Description
K-1741	Professional Slide Comparator 2 oz Reagents DPD Free and Total Chlorine, pH, Alkalinity, Calcium Hardness, Cyanuric Acid
K-1741C	Professional Slide Comparator 2 oz Reagents DPD Free and Total Chlorine, pH, Alkalinity, Calcium Hardness, Iron, Cyanuric Acid

Commercial Complete Colorimeter Kit

Taylor's Commercial Complete Colorimeter Kit is designed specifically for pool and spa professionals who rely upon accurate results from a handheld meter. The TTI® 2000 Colorimeter offers water analysts a variety of features to maximize their productivity. This handheld, multiwavelength, microprocessor-controlled, menu-driven, direct-readout instrument employs LED light sources. Its portability and data-logging capabilities make it the perfect choice for use at regulated pools and by service technicians.

The Commercial Complete Colorimeter Kit includes reagents for the following tests:

Free & Total DPD Chlorine 0–10 ppm, pH 6.5–8.5, Total Alkalinity 0–250 ppm, Calcium Hardness 0–800 ppm and Cyanuric Acid 7–120 ppm. Additional reagents are available.



Durable Construction

- Custom-crafted for use under harsh conditions: chemical, impact, and heat-resistant housing
- Sure-grip molding
- Liquid crystal display protected from abrasion and chemicals
- IP67-certified as dust tight and immersible to 1 meter for 30 minutes
- Complies with Canadian ICES-003 and European CE mark directives

Ergonomic Design

- Fits neatly to hand; lightweight (weighs only 21 ounces)
- Intuitive navigation using directional arrows
- Adjustable backlighting and graphical LCD with antiglare coating offers excellent contrast and readability

Item #	Description
M-2005	Taylor Commercial Complete Colorimeter Kit

Specialty Kits

Routine water testing includes disinfectant and pH. Regulatory tests may require testing of combined chlorine, cyanuric acid, alkalinity, TDS and temperature. Additional water treatment and testing may be necessary to treat your swimming pool water conditions, chloramines, minerals, phosphates, nitrates and more. Use of a specialty test kit will measure and guide the operator with adjustments or additional treatment of the water.

Each kit comes in a carrying case with instructions on the lid, equipment and reagents.

Item #	Description	Item #	Description
	K-1515-A FAS/DPD 0.75 oz Reagent Test Free and Combined Chlorine 1 drop = 0.2 or 0.5 PPM		K-1518 FAS/DPD 2 oz Reagent Test Free and Combined Chlorine 1 drop = 0.2 or 0.5 PPM and Test to Distinguish Monopersulfate Shock Deox Reagent
	K-1515-C FAS/DPD 2 oz Reagent Test Free and Combined Chlorine 1 drop = 0.2 or 0.5 PPM		K-1106 Phosphate 0.75 oz Reagent Test Kit, 0-≥1000 or 0-6000 PPB
	K-1517-A FAS/DPD 0.75 oz Reagent Test Bromine Total 1 drop = 0.2 or 0.5 PPM		K-1764 Total Dissolved Solids 0.75 and 2 oz Reagents Acid Base Titration 1 drop = 50 PPM
	K-1517-C FAS/DPD 2 oz Reagent Test Bromine Total 1 drop = 0.2 or 0.5 PPM		

TEST KITS

Item #	Description
K-1766	Salt 0.75 oz Reagent Test Chloride (Sodium Chloride) Argentometric 1 drop = 200 PPM
K-1720	Cyanuric Acid 2 oz Reagent Visual Determination Turbidimetric 0 – 500 PPM



Item #	Description
K-1818	Ozone Slide Comparator DPD 0 – 2.0 PPM, (Requires Daylight Comparator Lamp – Part 9199)




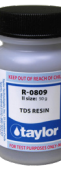
























TAYLOR REAGENTS

Item #	Description
R-0001-A	DPD #1 0.75 oz
R-0001-C	DPD #1 2 oz
R-0002-A	DPD #2 0.75 oz
R-0002-C	DPD #2 2 oz
R-0003-A	DPD #3 0.75 oz
R-0003-C	DPD #3 2 oz
R-0004-A	Phenol Red* 0.75 oz
R-0004-C	Phenol Red* 2 oz
R-0004-D	Phenol Red* 4 oz

* Phenol Red R-0004-A, C or D is used with the 2000 Series test kits

Item #	Description
R-0005-A	Acid Demand 0.75 oz
R-0005-C	Acid Demand 2 oz
R-0006-A	Base Demand 0.75 oz
R-0006-C	Base Demand 2 oz
R-0007-A	Thiosulfate 0.75 oz
R-0007-C	Thiosulfate 2 oz
R-0008-A	Total Alkalinity 0.75 oz
R-0008-C	Total Alkalinity 2 oz
R-0009-A	Sulfuric Acid 0.75 oz
R-0009-C	Sulfuric Acid 2 oz

Item #	Description
R-0010-A	Calcium Buffer 0.75 oz
R-0010-C	Calcium Buffer 2 oz
R-0011L-A	Calcium Indicator 0.75 oz
R-0011L-C	Calcium Indicator 2 oz
R-0012-A	Hardness 0.75 oz
R-0012-C	Hardness 2 oz
R-0013-A	Cyanuric 0.75 oz
R-0013-C	Cyanuric 2 oz
R-0630-A	Chromate Indicator 0.75 oz
R-0630-C	Chromate Indicator 2 oz

Item #	Description	Item #	Description	Item #	Description
 R-0718-A	Silver Nitrate 0.75 oz	 R-0871-A	FAS/DPD Chlorine 0.75 oz	 R-8024B	Colorimeter Alkalinity Total 250 B 0.75 oz
 R-0718-C	Silver Nitrate 2 oz	 R-0871-C	FAS/DPD Chlorine 2 oz	 R-8027A	Colorimeter pH 6.5-8.5 A 0.75 oz
 R-0809-II	TDS Resin 50 g	 R-0872-A	FAS/DPD Bromine 0.75 oz	 R-8027B	Colorimeter pH 6.5-8.5 B 0.75 oz
 R-0810-C	Sodium Carbonate .24N 2 oz	 R-0872-C	FAS/DPD Bromine 2 oz	 R-8027C	Colorimeter pH 6.5-8.5 B 0.75 oz
 R-0811-C	Sulfuric Acid .24N 2 oz	 R-0980-A	Phosphate #1 0.75 oz	 R-8030A	Colorimeter Hardness Calcium 800 A 0.75 oz
 R-0833-C	DI Water 2 oz	 R-0981-A	Phosphate #2 0.75 oz	 R-8030B	Colorimeter Hardness Calcium 800 B 0.75 oz
 R-0860-A	Copper #1 0.75 oz	 R-1003J-A	pH Solution* 0.75 oz	 R-8030C	Colorimeter Hardness Calcium 800 C 0.75 oz
 R-0860-C	Copper #1 2 oz	 R-1003J-C	pH Solution* 2 oz	 R-8030D	Colorimeter Hardness Calcium 800 D 0.75 oz
 R-0861-A	Copper #2 0.75 oz	 R-1003J-D	pH Solution* 4 oz	 R-8032A	Colorimeter Cyanuric Acid 120 A 0.75 oz
 R-0861-C	Copper #2 2 oz	* pH Solution R-10003J-A, C or D is used with a slide test kit			
R-0867-A	Deox 0.75 oz	R-8001A	Colorimeter Chlorine A F&T DPD/P 10 g		
R-0867-C	Deox 2 oz	R-8001B	Colorimeter Chlorine B F&T DPD/P 0.75 oz		
R-0870-I	DPD Powder 10 g	R-8024A	Colorimeter Alkalinity Total 250 A 0.75 oz		
R-0870-J	DPD Powder .25 lb				

TEST KITS

TAYLOR ACCESSORIES

Item #	Description
 2004B	Booklet, Pool & Spa Water Chemistry, English
2004B-S	Booklet, Pool & Spa Water Chemistry, Spanish
<p>Guide book (#2004B or 2004B-S) amplifies the test kit instructions and should be read to use these items properly.</p>	
 6026	Watergram® Water Balance Circular Calculator
 9056	2000 Series Comparator, DPD Bromine and Chlorine Hi Range, pH 7.0–8.0
 9058	2000 Series Comparator, FAS-DPD Bromine and Chlorine Hi Range, pH 7.0–8.0
 3030	Cap for Comparator 9056, 9057, 9058, Plastic, Black
 9191	Bottle for CYA Testing, Calibrated, 7 & 14 mL 0.75 oz w Dispenser Cap, Plastic
 9193	Test Tube for CYA Testing, Graduated, 20–100 PPM with 10 PPM Dividers, Plastic
 9194	Bottle for CYA Testing, Calibrated, 15 mL 1 oz with Dispenser Cap, Plastic

Item #	Description
 9198	25 mL Sample Tube, Graduated, Plastic, With Cap
 9199	Daylight Comparator Lamp with Adapter
 9200	Lightbox Stand for 9199
 9067	Slide Comparator, pH Phenol Red Reagent Test Range 6.8–8.4
 9083	Slide Comparator, DPD Free and Total Chlorine 1.0–10 PPM
 9236	Slide Comparator, DPD Bromine Total 2.0–10 PPM
 4025	Calibrated 5 mL Test Cell, Plastic, Rectangular, For use with Comparator 9083 (Cap 3267 Sold Separately)
 3267	Plastic Cap for 5 mL Test Cell (4025)
 4024	Calibrated 11.5 mL Test Cell, Plastic, Rectangular, For use with Comparator 9067 (Cap 3243 Sold Separately)
 3243	Plastic Cap for 11.5 mL Test Cell (4024 and 9018)

Item #	Description
 6002	Brush for Test Cell
 9189	Base for Slide Comparator
 4028	Pipet Plastic Eye Dropper, 0.5 mL, with Cap
 4029	Pipet Plastic Eye Dropper, 0.5 and 1.0 mL, with Cap
 6649-4	Brush Foam for Colorimeter Sample Cell 4/pk
 6535	Colorimeter AC Power Adapter
 6552	Colorimeter USB Cable
 9601	Colorimeter Glass Sample Cell, 25 mm 3/pk
 9602	Colorimeter Glass Sample Cell, 15 mm with Cap 3/pk
 6551	Colorimeter Vial Dilution, 50 mL with Cap

LAMOTTE



Item #	Description
6999A-J	Chlorine DPD #1 RAPID, 100/pk
6905A-J	Chlorine DPD #3 RAPID, 100/pk
6915A-J	pH, Phenol Red, 100/pk
3920A-J	Alkalinity Test, 100/pk
6994A-J	Cyanuric Acid, 100/pk
6846A-J	Calcium Hardness, 100/pk

PALINTEST

Palintest replacement swimming pool water testing tablet reagents for Palintest water testing systems. Shipped in quantity of 250 tests.



Item #	Description
AP011	Free Chlorine DPD 1
AP013	DPD-XF Free Chlorine
AP033	XT Total Chlorine (DPD 1 & DPD 3)
AP031	Total Chlorine (DPD 1 & DPD 3)
AP130	pH Phenol Red
AP188	Alkalinity Test Tablets
AP252	Calcium Hardness Test Tablets
AP087	Cyanuric Acid Test

HACH®

Item #	Description
 21132	Phenol Red Indicator, 100 mL
 2197846	DPD-Free Chlorine Pillow, 50/pk
 2198246	DPD Total Chlorine Pillow, 50/pk
 44453	SPADNS Reagent, 1 L

MECHANICAL EQUIPMENT

REGENERATIVE FILTRATION

Regenerative filters are making their way into the aquatics industry as state-of-the-art swimming pool filtration providing the best water quality possible. The cost savings on water conservation, less chemical and heat replacement make these filters an asset to facilities.

Need a new commercial swimming pool filter for your renovation or are you building new? The regenerative media filter is the most effective and efficient filter available.

Why you ask? The regenerative media filter is making its footprint on the aquatic marketplace because the design of these filters offers the same benefits we have come to depend on from the diatomaceous earth (DE) filter of the past, without all the drawbacks of handling the dangerous DE material. Filtration of particles from pool water down to the 1–5 micron range (compared to around 20 microns from traditional pressure and sand filters) offer superior water clarity. This superior filtration also reduces chemical oxidation demand by removing particles by the regenerative media filters.

"Bumping" is what is referred to as the regeneration process. Regeneration redistributes the media, thus extending the life of the media. Compared to a more traditional sand filter, the regenerative media filters get their filtration surface area inside of the tank from a series of long tubes, making the footprint for this filter smaller. This means less space needed for the filter, which may lessen the cost of the overall building construction. This may not apply to all situations.

Whether building new or renovating, these regenerative filters are a great choice, especially if your facility will have or already has a large bather load.



Installation by Aqua Pure Enterprises,
an Illinois Department of Public Health
Prequalified Contractor.



We encourage you to contact your Sales Representative at Aqua Pure for more information. If you do not have a Sales Representative, contact our office and we will match you up with one.

**Get your free consultation today,
630-771-1310**

Xylem + Evoqua Defender®

The Defender line of regenerative media filters has become synonymous with the term "RMF" in the industry. With over 20,000 installations in 50 countries, Xylem + Evoqua has the filtration and disinfection experience to help meet your water quality needs, while keeping sustainability and safety of your guests top of mind.



Paddock Regenerator®

The Paddock Regenerator is one of the first Regenerative Media filters in the industry. It utilizes a user-friendly touch screen controller and innovative flexible filter elements to provide the most reliable and optimal particulate removal, down to one micron, and requires no backwashing. IAPMO R&T® approved for either Perlite or Diatomaceous Earth (D.E.)



D.E. GRIDS

American Products®, Pentair® (Pac-fab) & Hayward®



Item #	Description
FG-1002	Full Grid, 12" Long for 24 sq. ft.
FG-1003	Full Grid, 18" Long for 36 sq. ft.
FG-1004	Full Grid, 24" Long for 48 sq. ft.
FG-1005	Full Grid, 30" Long for 60 sq. ft.
FG-1006	Full Grid, 36" Long for 72 sq. ft.



Item #	Description
PG-1902	Partial Grid, 12" Long for 24 sq. ft.
PG-1903	Partial Grid, 18" Long for 36 sq. ft.
PG-1904	Partial Grid, 24" Long for 48 sq. ft.
PG-1905	Partial Grid, 30" Long for 60 sq. ft.
PG-1906	Partial Grid, 36" Long for 72 sq. ft.

Commercial Filter Disc & Accessories (OEM – Paddock)



Item #	Description
FD-2400-03	Cover Disc, 24½" O.D., 4¼" I.D. (4" Core)
FD-2400-04	Cover Disc, 24½" O.D., 4¾" I.D. (4" Core)
RCS-24D-FD	Recover, 24½" O.D., Factory Sewn-on Cover



FDC-24-V	Cover Only, 24½" O.D., Velcro Closure
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FDC-24-Z	Cover Only, 24½" O.D., Brass Zipper Closure
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DS-2403-10	0.875" Spacer, 4¼" I.D. (3" Core)
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DS-2403-15	1½" Spacer, 4¼" I.D. (3" Core)
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DA-2403-CE	End Cap, Closed, 4¼" & 4¾" I.D. (3" & 4" Core)
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DA-2403-DE	End Cap, Open, 4¼" I.D. (3" Core)
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DA-2404-DE	End Cap, Open, 4¾" I.D. (4" Core)
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TR-2400-36	Thru-Rod, ¼-20 Treads, 5" Both Ends, 36" Stainless Steel with Nuts & Washer
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TR-2400-48	Thru-Rod, ¼-20 Treads, 5" Both Ends, 48" Stainless Steel with Nuts & Washer
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TR-2400-60	Thru-Rod, ¼-20 Treads, 5" Both Ends, 60" Stainless Steel with Nuts & Washer
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FILTER MEDIA FOR D.E. FILTERS

Diatomaceous Earth



Item #	Description
DE25	25 lb Bag
DE50	50 lb Bag

Pallet: 75, 25 lb Bags
Pallet: 36, 50 lb Bags



Item #	Description
DESCOOP	DE Scoop

D.E. scoop holds 1 lb diatomaceous earth. For pre-coating a vacuum D.E. filter commonly acceptable amounts range from 1–1½ lbs. per 10 sq. ft. of filter surface area. Follow directions as provided by the filter manufacturer.

CelaPeri®



D.E. alternative 12 lb and 25 lb bags. Non-toxic, NSF approved, ½ lb of Perlite is equivalent to 1 lb of D.E., lightweight, pre-coats easier and backwashes easier.

Item #	Description
CELAPRL12	12 lb Bag
CELAPRL25	25 lb Bag

MECHANICAL EQUIPMENT

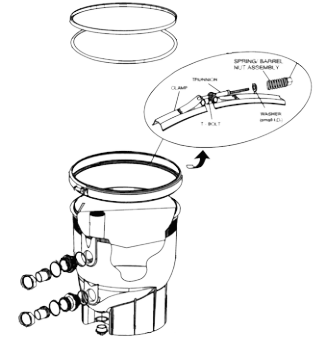
CARTRIDGE FILTERS

Clean & Clear® Plus Filter (Fiberglass Reinforced Polypropylene Tank)

This filter features a corrosion resistant injection molded tank that offers superior strength and reliability. The cartridge assembly requires four easy-to-clean polyester cartridges. Each Clean & Clear® filter includes a bulkhead union set for easy installation.



Item #	Description
160340	Model: CCP320 Filtration Area: 320 sq. ft. Flow Rate: 120 gpm
160301	Model: CCP420 Filtration Area: 420 sq. ft. Flow Rate: 150 gpm
160332	Model: CCP520 Filtration Area: 520 sq. ft. Flow Rate: 150 gpm



Clean & Clear® Plus Filter Replacement Parts

Item #	Description
190058	¼" Pressure Gauge, Bottom Mount
98209800	High Flow Manual Air Relief Valve
R173572	Cartridge, 240 sq. ft., 4 Required
R173573	Cartridge, 320 sq. ft., 4 Required
R173576	Cartridge, 420 sq. ft., 4 Required
R173578	Cartridge, 520 sq. ft., 4 Required
39010200	Clamp O-Ring
190003	Clamp Kit, Tension Control

Item #	Description
98960311	Bulkhead Union Set (For Filters Manufactured Before 11/98)
270004	Bulkhead Union Set 1.5" x 2" Set, Black (For Filters Manufactured After 11/98)
270100	2" Adapter Kit 2" x 2½" Set, Black (For Filters Manufactured After 5/21/05)

Replacement Cartridges (Generic Brand)

Item #	Description
C-7469	Clean & Clear, 240 sq. ft., 4 Required
C-7470	Clean & Clear, 320 sq. ft., 4 Required
C-7471	Clean & Clear, 420 sq. ft., 4 Required
C-9405	Clean & Clear, 520 sq. ft., 4 Required

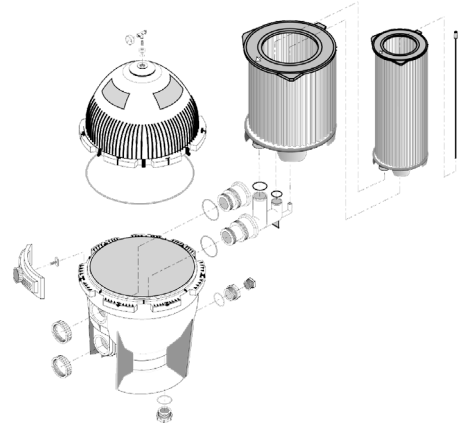


System: 3® Modular Media Filter (SM Series Filters)

This filter incorporates the latest in media science, balanced flow and an integral manifold design. The System: 3® offers low maintenance by complete media coverage combined with shallow pleats, the ability to hold greater amounts of dirt, resulting in longer filter cycles and less cleaning.



Item #	Description
S7M400	Filtration Area: 400 sq. ft. Flow Rate: 50-115 gpm
S8M150	Filtration Area: 450 sq. ft. Flow Rate: 50-124 gpm
S8M500	Filtration Area: 500 sq. ft. Flow Rate: 50-130 gpm



System: 3® Modular Media Filter Replacement Parts



Item #	Description
25022-0201S	Large Cartridge, S7M120, 21" Filter
25022-0224S	Large Cartridge, S7M400, 21" Filter
25022-0203S	Large Cartridge, S8M150, 25" Filter
25022-0225S	Large Cartridge, S8M500, 25" Filter



25021-0200S	Small Cartridge, S7M120
25021-0223S	Small Cartridge, S7M400
25021-0202S	Small Cartridge, S8M150
25021-0224S	Small Cartridge, S8M500



24850-0008	Cord Ring, 21" Filter, S7M120, S7M400
24850-0009	Cord Ring, 25" Filter, S8M150, S8M500



Item #	Description
24850-0105	Valve & Gauge Assembly, Includes: 2 in. Gauge (33600-0023T) Air Release Valve (154689) Nipple (35202-0959) Adapter Bushing (24900-0504) O-Ring (35505-1423)



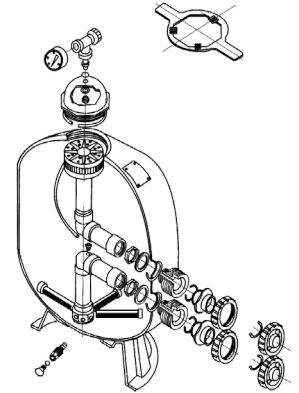
Most common cartridge filters and parts are shown. Additional filters and parts are available. Please call for a quote.

MECHANICAL EQUIPMENT

SAND FILTERS

Side Mount Filters (Pentair® Triton® II High Rate)




Triton® II side mount is the original and remains the industry standard in sand filters. The Patented GlasLok process creates a one-piece, valveless fiberglass reinforced tank with UV resistant surface finish for years of unequalled strength and durability.



Item #	Model	Filtration Area	Flow Rate	Pea Gravel	Sand	All Sand
140264	TR 60	3.14 sq. ft.	63 gpm	75 lbs	250 lbs	325 lbs
140210	TR 100	4.91 sq. ft.	74 gpm	150 lbs	450 lbs	600 lbs
140243	TR 140	7.06 sq. ft.	106 gpm	275 lbs	650 lbs	925 lbs

Triton® II Replacement Parts

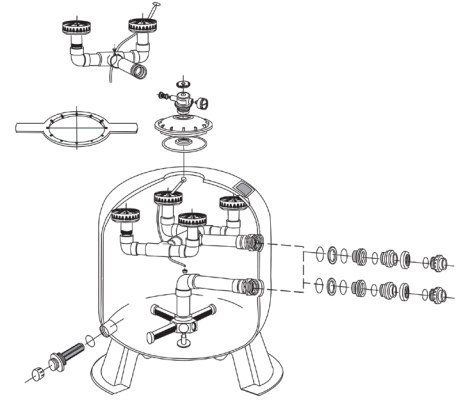
Item #	Description
 154689	Air Bleeder Tee Assembly
 154570	6" Closure Btr Threaded (After 11/1/1999)
 154559	6" Closure V Threaded (Before 11/1/1999)
 152290	TR40/50/60 Lateral Assembly 6 11/16", 8 Required
 152202	TR100 Lateral Assembly 9", 8 Required
 154540	TR140 Lateral Assembly 12", 8 Required
 154512	Lid Wrench, Plastic

Item #	Description
 154510	Lid Wrench, Aluminum
 154538	Bulkhead Gasket
 154405	2" Bulkhead Fittings

Item #	Description
154435	TR40 Tube Air Relief (Before 11/1/1999)
154436	TR50/60 Tube Air Relief (Before 11/1/1999)
154437	TR100 Tube Air Relief (Before 11/1/1999)
154438	TR140 Tube Air Relief (Before 11/1/1999)
150039	TR40 Tube Air Relief (After 11/1/1999)
150040	TR50/60 Tube Air Relief (After 11/1/1999)
150041	TR100 Tube Air Relief (After 11/1/1999)
150042	TR140 Tube Air Relief (After 11/1/1999)

Commercial Sand Filters (Pentair® Triton® C)

Triton® C is a high capacity fiberglass valveless side mount sand filter. This filter series features multiple diverters for increased filtration rates in commercial applications up to 20 gpm/sq. ft.



Item #	Model	Filtration Area	Flow Rate	Pea Gravel	Sand	All Sand
140315	TR100C™, Almond	4.91 sq. ft.	98 gpm	150 lbs	450 lbs	600 lbs
140210	TR140C™, Almond	7.06 sq. ft.	141 gpm	275 lbs	650 lbs	925 lbs

TR100C™ & TR140C™ Replacement Parts

Item #	Description
 273512	Air Bleeder with O-Ring
 273564	Manual Air Relief Body Assembly
 190059	Pressure Gauge, Back Mount
 152509	8½" Square Ring
 152202	TR100C™ Lateral 9", 8 Required
 154540	TR140C™ Lateral 12", 8 Required
 154527	8½" Wrench

SAND FILTER MEDIA

#20 Filter Sand



Sand filtration is the oldest type of pool water filtration. Silica sand # 20. Other sizes available, call for quote.

Item #	Description
PLSSND	50 lb Bag

Pea Gravel



Item #	Description
GRVL50	50 lb Bag



Most common sand filters and parts are shown. Additional filters and parts are available. Please call for a quote.









MECHANICAL EQUIPMENT

FILTER VALVES & PARTS




2" Multiport Valves & Parts


Item #	Description
 261055	2" Multiport Valve, for Triton & Quad D.E. filters (SM 20-3)
 261152	2" Multiport Valve, for FNS, FNS Plus & NSP filters (SM 20-2)
 270067	2" Valve Top Assembly for 261055 & 261152
 271148	Diverter Gasket for 261055 & 261152
 272550	Sight Glass for 261055 & 261152
 271106	Sight Glass O-ring for 261055 & 261152
 271151	2" Cover O-ring for 261055 & 261152
 274407	Bulkhead Nut for 261055 & 261152
 274556	Valve Adapter, Threaded for 261055 & 261152

2" Push Pull Valve & Parts

Item #	Description
 263064	2" PVC Push Pull Slide Valve
 263055	Kit, Piston Shaft Assembly for 263064, 263052, 263078, 263053, 263079
 273062	O-ring, bulkhead for 263064, 263052, 263078, 263053, 263079
 51005000	O-ring, valve stem for 263064, 263052, 263078, 263053, 263079
 6020006	O-ring, cap for 263064, 263052, 263078, 263053, 263079
 273063	Pin for 263064, 263052, 263078, 263053, 263079
 263054	O-ring kit, Includes all valve O-rings for 263064, 263052, 263078, 263053, 263079
 273241	Piston rod assembly for old Push Pull Slide Valve models 261047 & 261165

2" HiFlow Multiport Valves & Parts

Item #	Description
 261050	2" HiFlow Multiport Valve for Triton & Quad D.E. filters
 261142	2" HiFlow Multiport Valve for FNS, FNS Plus & NSP filters
 272422	2" HiFlow Valve Top Assembly for 261050 & 261142

Item #	Description
 272409	Diverter Gasket for 261050 & 261142



Most common valve parts are shown. Additional parts are available. Please call for a quote.

ULTRAVIOLET LIGHT DISINFECTION

ProMinent® Medium Pressure UV Disinfection Systems

UV systems are a cost-effective way of reliably breaking down chloramines and safely killing off chlorine-resistant germs. The result is vastly improved water quality. Overall, operating costs are reduced by other positive factors, such as minimal space requirement, the suitability of the systems for retrofitting and virtually maintenance-free operation.

The primary action of UV is to initiate photochemical and photo oxidation reactions which destroy chloramines and bacteria. These compounds are responsible for the unpleasant smells in pools and spas. This is particularly important for indoor pools where the surface area will release chloramines into the inside air. UV reduces the chloramine load, making the atmosphere safer and more pleasant. Additionally, UV kills bacteria, viruses, and mold spores, reducing the risk of transmission of stomach, skin and respiratory tract infections to bathers.

Certifications

- NSF50 (2012 standard); Annex H
- Single Pass validation for Cryptosporidium
- Electrical Certification: UL 508A, CSA C22.2 No. 14



Installation by Aqua Pure Enterprises, an Illinois Department of Public Health Prequalified Contractor.



Features

- Specific systems validated to meet a minimum 3.0 Log Cryptosporidium inactivation required by the Model Aquatic Health Code (MAHC)
- Flow: Up to 4,592 gpm (750m³/h)
- Large graphical display for displaying the time dependency of the UV sensor signal with trend indication
- Electronic power supplies with automatic set point control to ensure maximum efficiency at lowest power usage. Estimated 40% savings over conventional magnetic ballast systems
- 8,000 hour lamp warranty
- PLC freely programmable control, e.g. for recirculation pump interlock, flushing or circulation bypass, warning and shutdown procedures
- Remote interface and control with DCM 502 and combined chlorine measurement. Additional warranty offered when utilized with ProMinent Chemical Controllers
- Maintenance-friendly, single-end lamp connection and service access allows lamp to be changed out in five minutes
- Color display of operational status visible up to 100 feet from screen
- Radiation chamber from high-quality stainless steel 316L (1.4404)
- Automatic cleaning system

Item #	Description	GPM	Phase	Voltage
7781581	1X1A UV System 1 Lamp	292	1	208/240
7781582	1X2A UV System 1 Lamp	510	1	208/240
7781583	1X3A UV System 1 Lamp	1020	3	480
7781584	1X3A UV System 1 Lamp	1020	3	208/240

ProMinent® UV System Spare Parts

Item #	Description
1035179	UV-Lamp – UVS & UVA, 1kW
1035057	UV-Lamp – UVS 2kW
1035180	UV-Lamp – UVS 3kW

Item #	Description
1037735	Spare Parts Kit UVS 1 Lamp Systems 1x1, 1x2 and 1x3 (Seals & Wiper Blades)
1037756	Spare Parts Kit UVS 2 Lamp Systems 2x2 and 2x3 (Seals & Wiper Blades)
1004212	Filter Mat

MECHANICAL EQUIPMENT

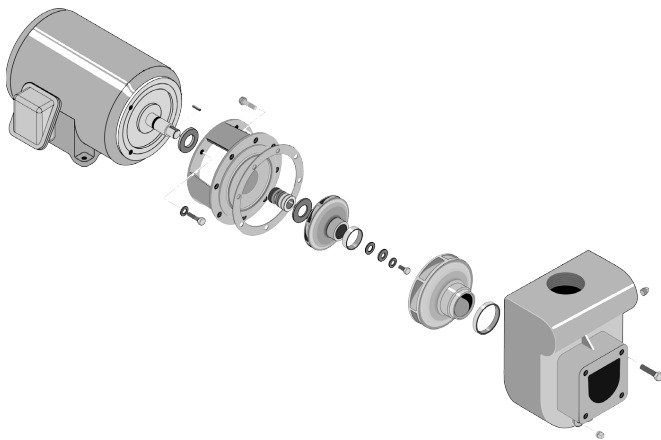
RECIRCULATION PUMPS

Sta-Rite® (D Series™ Pump)

Sta-Rite Cast Iron Self-Priming Centrifugal Commercial Pool Pump D Series are especially designed for commercial and public swimming pools and spas, aquatic facilities, water parks and fountain 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. Their motors are open drip-proof, continuous duty rated 3450 RPM. Certifications: The D Series models are certified to meet the requirements of NSF Std. 50 with strainers installed. Pump models DO NOT include hair and lint trap.



Item #	hp	Phase	Volt	Max. Load Amps	Wire Sz to 50'	Discharge Port Size
DMH3-171	3	3	230/460	10.6/9.6/4.8	14	2"
DMJ3-172	5	3	230/460	16.8/15.2/7.6	12/14	2 1/2"



D Series™ Pump Parts



Item #	Description
C5-246	Impeller for DMH3-171 3 hp
C5-247	Impeller for DMJ3-172 5 hp

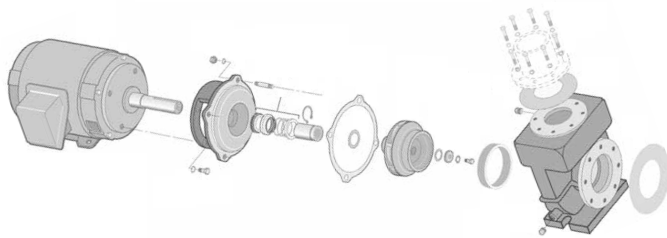
Item #	Description
C20-19	Gasket
C21-2	Diffuser Ring
C101-126V	Volume Diffuser with Wear Ring for DMH3-171 3 hp
C101-126B	Volume Diffuser with Wear Ring for DMJ3-172 5 hp
U109-433SS	Shaft Seal
C20-46	Gasket, Adapter
C23-58	Shaft Sleeve
U65-42A	Key, Impeller

Sta-Rite® (CSPH Series™ Pumps)

Sta-Rite (CSPH Series Pumps) are 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. The pumps have an enclosed bronze impeller and standard 6" x 4" A.N.S.I. rated flange connections. Certifications: The CSPH Series™ models are certified to meet the requirements of NSF Std. 50 with strainers installed. Pump models DO NOT include hair and lint trap.



Item #	Voltage	AMPS	HP	SF	SFHP
CSPHK-142	230	39	7.5	1.15	8.63
CSPHK3-142	230/460	21.2-19.2/9.6	7.5	1.25	9.38
CSPHL3-143	230/460	27.6-24.4/12.2	10	1.25	12.50
CSPHM3-144	230/460	44.2-40/20	15	1.25	18.75
CSPHN3-145	230/460	55.3-50/25	20	1.25	25.00



CSPH Series™ Pump Parts



Item #	Description
16830-0209	Impeller - 7.5 HP
16830-0210	Impeller - 10 HP
16830-0211	Impeller - 15 HP
16830-0212	Impeller - 20 HP

Item #	Description
35505-0421	Strainer Cover O-Ring
S04757	Gasket (Volute to Bracket)
37447-0001L	Shaft Sleeve
37447-0002L	Shaft Sleeve - 20 HP
S11207	Retaining Ring
S16767	Retaining Ring - 20 HP
S32014	Mechanical Shaft Seal
S32015	Mechanical Shaft Seal - 20 HP

MECHANICAL EQUIPMENT

Pentair® C Series® Commercial Bronze Pumps

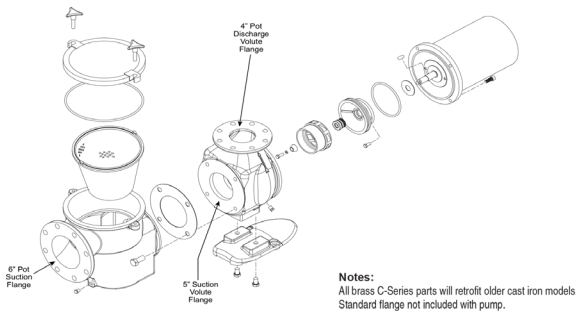
The C Series® pump is a heavy-duty pump designed for large pools, fountains and water attractions that demand high flow rates and continuous operation. With bronze construction and a stainless steel strainer basket, the C Series® pump is perfect for the toughest indoor or outdoor facilities. This pump's lasting efficiency, quiet operation, easy maintenance and durability has set the standard for medium and high-head performance in the swimming pool industry for many years.

Available with and without strainer, call for a quote.



Features

- Bronze construction for strength and durability
- Close coupled for quiet, stable flow
- Heavy-gauge stainless steel strainer basket, with open area five times the area of the suction port
- 6" suction and 4" discharge for maximum efficiency with strainer
- Closed impeller for longer motor bearing life
- Heat-resistant seal for operation up to 150°F
- Available in single-phase and three-phase 50 and 60 Hz models
- 200/208 and 575 volt models available on request, call for a quote



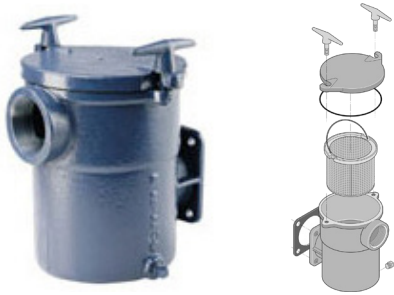
C Series® Pump Parts



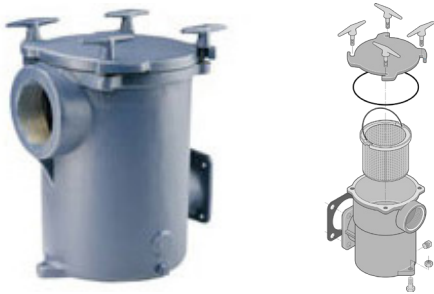
Item #	Description
070228	Impeller - 5 HP, CM-50 / CMK-50 / CMKL-50
070227	Impeller - 7.5 HP, CM-75 / CMK-75 / CMKL-75
070226	Impeller - 10 HP, CM-100 / CMK-100 / CMKL-100
070225	Impeller - 15 HP, CMK-150 / CMKL-150
073828	Impeller - 5 HP, CH-50 / CHK-50 / CHKL-50
073829	Impeller - 7.5 HP, CH-75 / CHK-75 / CHKL-75
073830	Impeller - 10 HP, CH-100 / CHK-100 / CHKL-100
073831	Impeller - 15 HP, CHK-150 / CHKL-15
073832	Impeller - 20 HP, CHK-200 / CHKL-200

Item #	Description
075280	Hand Nut Assembly, 2 Required
075275	Cover
071433	Cover O-Ring
072795	Basket
071725S	Seal Set
070906	Flange
071423	Flange O-Ring
071037	Impeller Lock Screw
071048	Impeller Washer
075713	Impeller Washer Gasket
071046	Impeller Key

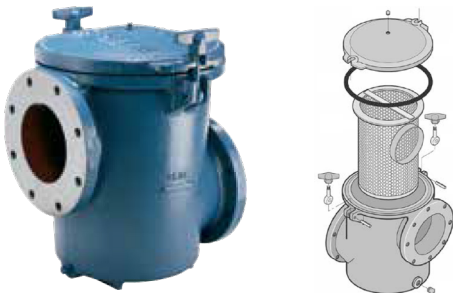
Sta-Rite® Hair & Lint Packages



Item #	Description
PKG 51	6" Cast Iron Trap with Basket – 2" NPT Suction Port (For C, CC & D Series Pumps)
PKG 56	6" Bronze Trap with Basket – 2" NPT Suction Port (For C, CC & D Series Pumps)













Item #	Description
PKG 98	8" Cast Iron Trap with Basket – 3" NPT Suction Port (For C, CC & D Series Pumps)



Item #	Description
PKG 184	Strainer for CSP/CCSP Series Pumps 6" ANSI flange (1,100 cu. in. capacity)

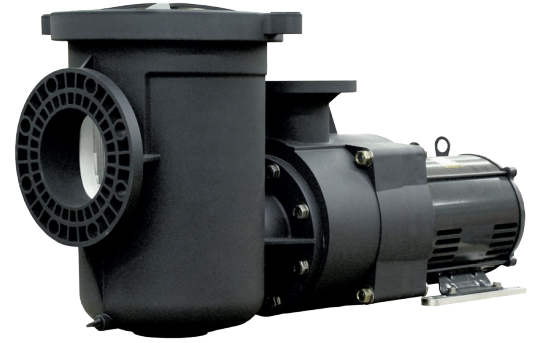
Sta-Rite® Hair & Lint Package Replacement Parts

Item #	Description
 C154-18D	Handle Assembly 6" (PKG 51 & 56) Has 2 Each 8" (PKG 98 & 99) Has 4 Each
 C3-30	Cover (PKG 51 – Cast Iron)
 C3-78D	Cover (PKG 56 – Bronze)
 C3-105	Cover (PKG 98 – Cast Iron)
 C3-105D	Cover (PKG 99 – Bronze)
 16401-0210	Cover (PKG 184)
 U9-46	Cord Ring (PKG 51 & 56)
 U9-171	Cord Ring (PKG 98 & 99)
 35505-0421	O-Ring (PKG 184)
 C108-11P	Strainer Basket (PKG 51 & 56)
16401-0030	Strainer Basket (PKG 98 & 99)
16401-0102	Strainer Basket (PKG 184)

MECHANICAL EQUIPMENT

Pentair® EQ Series® High Performance Commercial Pumps

EQ Series pumps are designed for maximum efficiency and quiet operation in every detail. They are the only non-corrosive, all plastic pumps designed for the commercial pool and water applications market. The EQ Series pump impellers are manufactured for true breakthrough performance, allowing for lower loads and longer motor life. They are available with and without the strainer pot and in flows to 800 GPM and from 3 to 15 HP.



Features

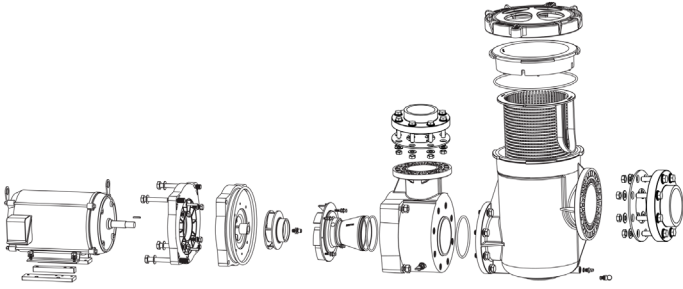
- Nema Premium Grade Efficiency Motors
- Commercial grade, non-corrosive Plastic Parts for durability and long life
- Cam & Ramp™ see thru lid for added service convenience
- Self-priming with Hair and Lint Strainer
- Close coupled for quiet, stable flow operation
- 6" suction and 4" discharge with strainer pot
- Drop-in replacement for C Series and CSP pumps
- Closed impeller for long life and durability
- Available in single-phase and three-phase models
- TEFC motor available (three-phase only)
- Great for use with Acu Drive™ XS Variable Frequency Drives
- Light weight
- Waterfall models great for low head, high flow applications
- Easy cleaning and serviceability
- 50 Hz model available - contact factory
- NSF and UL Approved (TEFC models only)

Premium Efficiency Three Phase without Strainer TEFC

Item #	Model	Voltage	AMPS	HP	SF
340608	EQKT-500	208-230/460	13.4-12.2/6.1	5	1.25
340609	EQKT-750	208-230/460	19.9-17.8/8.9	7.5	1.25
340610	EQKT-1000	208-230/460	26.4-23.5/11.7	10	1.25
340611	EQKT-1500	208-230/460	39.0-36.0/18.0	15	1.25

Premium Efficiency Three Phase with Strainer TEFC

Item #	Model	Voltage	AMPS	HP	SF
340604	EQKT-500	208-230/460	13.4-12.2/6.1	5	1.25
340605	EQKT-750	208-230/460	19.9-17.8/8.9	7.5	1.25
340606	EQKT-1000	208-230/460	26.4-23.5/11.7	10	1.25
340607	EQKT-1500	208-230/460	39.0-36.0/18.0	15	1.25



EQ Series® Pump Parts



Item #	Description
350030	Impeller - 5 HP
350029	Impeller - 7.5 HP
350028	Impeller - 10 HP
350027	Impeller - 15 HP

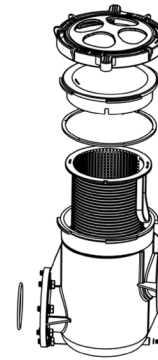


Item #	Description
350032	Diffuser - 5 HP
350033	Diffuser - 7.5 HP
350033	Diffuser - 10 HP
356735	Diffuser - 15 HP



Item #	Description
071725S	Seal Set

Item #	Description
350037	Diffuser O-Ring
356780	Seal Plate O-Ring



Item #	Description
350171	Clamp Cam & Ramp
356750	Strainer Lid
350166	Strainer Lid O-Ring
357184	Basket

MECHANICAL EQUIPMENT

Pentair® WhisperFlo® High Performance Pumps

WhisperFlo Pumps are comprised of robust thermoplastic with the Cam & Ramp “see thru” lid design. They are self-priming, high flow with patented Funnel-Flo diffusers, 2" suction and discharge ports. Its motor features a threaded shaft and durable commercial duty 56 frame motor with NEMA square flange. They are the first and only single-speed pump models to use NEMA Premium® Efficient motors for pool applications. The new and improved WhisperFlo DOE compliant pumps are designed to help save electricity and optimize hydraulic horsepower without sacrificing performance. Available with high-quality proprietary Totally Enclosed Fan-Cooled (TEFC) motor for a long, worry-free life.

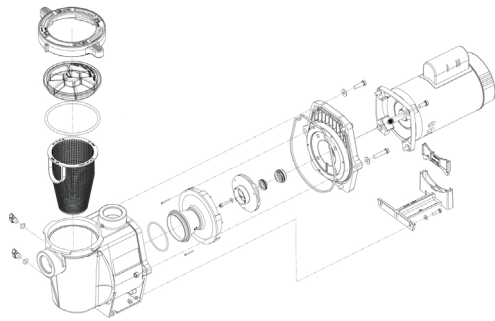


DOE Compliant Single-Speed TEFC

Item #	Voltage	AMPS	THP	SF
015583	115/208-230	10.5/5.4-5.4	1	1.00

Three-Phase Super Duty

Item #	Model	Voltage	AMPS	HP	SF
011641	WFK-4	208-230/460	4.9-4.5/2.3	1	1.65
011642	WFK-6	208-230/460	6.4-6.3/3.2	1.5	1.47
011643	WFK-8	208-230/460	7.5-7.2/3.6	2	1.30
011644	WFK-12	208-230/460	9.8-9.4/4.7	3	1.15



WhisperFlo® Pump Parts



Item #	Description
073126	Impeller - ½ HP, WFE-2 / WFK-2
073127	Impeller - ¾ HP, WFE-3 / WFK-3
073128	Impeller - 1 HP, WFE-4 / WFK-4
073129	Impeller - 1½ HP, WFE-6 / WFK-6
073130	Impeller - 2 HP, WFE-8 / WFK-8
073131	Impeller - 3 HP, WFE-12 / WFK-12

Item #	Description
072927Z	Diffuser ½ HP – 2½ HP
072928	Diffuser 3 HP
071734S	Seal w/ ceramic seat
355227Z	Diffuser O-Ring
357102Z	Gasket for Seal plate
357149	Volute & Sealplate
350202	Seal plate kit with gasket
070387Z	Basket
350013Z	Lid O-Ring

Pentair® IntelliFlo® VSF Pump

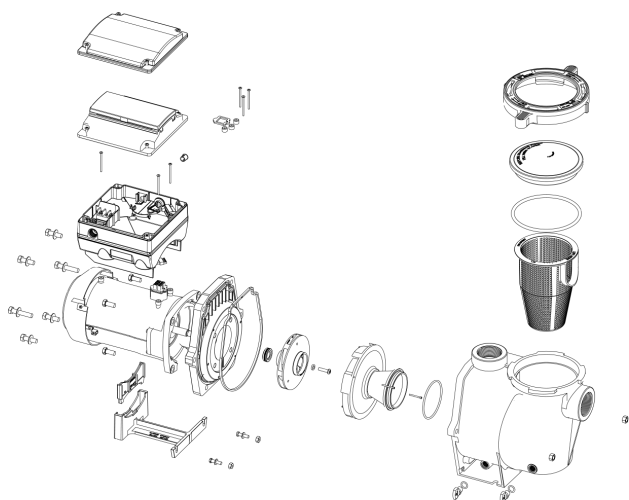
The IntelliFlo VSF pump is the first variable speed and flow pump that adjusts to changes in flow conditions to maintain its preprogrammed flow rate to run optimally throughout the entire filtration cycle. It's like having cruise control for your pump.

Features

- Eight programmable speed or flow settings and built-in timer
- Rotatable keypad with optional wall mount kit (sold separately)
- Top-mounted field wiring compartment is easier to access and connect
- Totally enclosed fan-cooled design for increased performance and long life
- Menus are easier than ever to use
- Consistently maintains system flow requirements
- Compatible with Pentair Automation



Item #	Voltage	AMPS	THP	SF
011056	230	16	3.95	1.0



IntelliFlo® VSF Pump Parts



Item #	Description
073131	Impeller

Item #	Description
072928	Diffuser
071734S	Mechanical Seal
355227	Diffuser O-Ring
357100	Seal Plate Gasket
357243	Volute Kit
350202	Seal Plate Kit with Mechanical Seal
070387	Strainer Basket
350013	Lid O-Ring

MECHANICAL EQUIPMENT

Pentair® WhisperFloXF® High Performance Pumps

The new WhisperFloXF® pool pump was developed using the most advanced engineering tools available – CFD (Computational Fluid Dynamics) and FEA (Finite Element Analysis). The proprietary impeller design delivers a higher level of precision concentricity for increased efficiency. The proprietary hydraulic isolator smooths the water flow inside the volute, raising the efficiency even higher. With capabilities in excess of 200 gpm, WhisperFloXF is an ideal choice for many residential and commercial applications; especially those involving water features, negative edges and slides.



Features

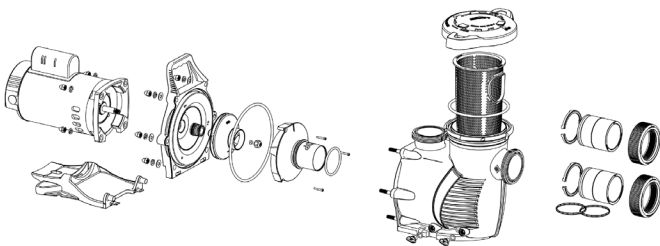
- Drop-in replacement for original WhisperFlo; and optional riser plate enables easy Challenger replacement
- Modular plumbing system means less need to cut and glue pipe
- External port threading and tool-free union nuts need only hand-tightening
- Easy-carry handle; easily removable, ergonomic lock ring; and see-through lid for easy basket inspection

Commercial Single-Speed TEFC

Item #	Model	Voltage	AMPS	HP	SF
022034	XFET-20	208-230	20.0-18.8	5	1.00

Three-Phase Super Duty

Item #	Model	Voltage	AMPS	HP	SF
022017	XFK-8	208-230/460	7.5-7.2/3.6	2	1.30
022018	XFK-12	208-230/460	9.8-9.4/4.7	3	1.15
022019	XFK-20	208-230/460	13.9-13.1/6.6	2	1.00



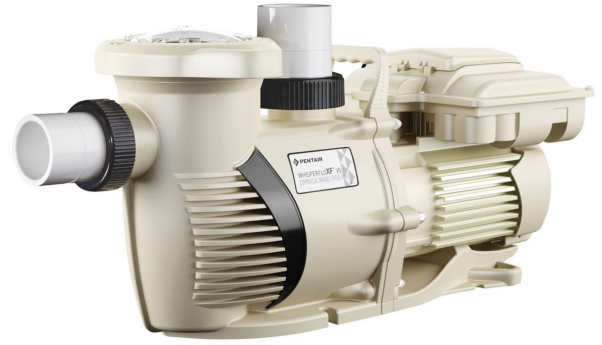
WhisperFloXF® Pump Parts

Item #	Description
400023Z	Impeller - XFET-20
400020Z	Impeller - XFK-8
400015Z	Impeller - XFK-12
400023Z	Impeller - XFK-20
400011Z	Diffuser - XFET-20
400010	Diffuser - XFK-8
400010	Diffuser - XFK-12
400011Z	Diffuser - XFK-20

Item #	Description
17351-0101S	Mechanical Seal Assembly
350336	Diffuser O-Ring
351446	Seal Plate O-Ring
400002	Seal Plate
400007Z	XF Series Replacement Basket
400006	Lid/Locking Ring Assembly
35505-1440	Lid/Locking Ring O-Ring

Pentair® WhisperFloXF® VS (Variable Speed) Pump

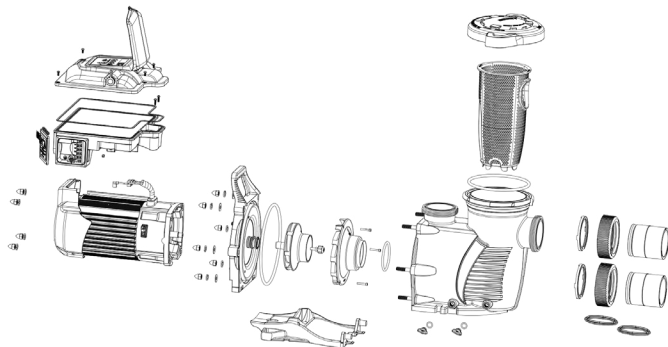
The WhisperFloXF VS Commercial Pump is the first five-horsepower variable-speed pool pump that runs on single-phase or three-phase power. It's an economical, combined motor/drive solution for both HMC (hotel, motel, apartment, condominium) or large residential installations. The WhisperFloXF VS Commercial Pump provides sophisticated, energy-saving pump technology without the high costs typically associated with independent pump/external drive setups.



Features

- Integrated 5HP motor/drive; no expensive external drive required
- Versatile power input capability; runs off a wide range of single- or three-phase power
- Speed or flow control for maximum efficiency and pool performance
- External control capability through automation systems or relays
- Intuitive programming and operation
- Meets commercial codes and agency requirements
- 2 year warranty

Item #	Voltage	AMPS	THP	SF
022035	Single-Phase: 208-230/277-460 Three-Phase: 208-460	Single-Phase: 20-21/17-11 Three-Phase: 13-6	5	1.00



WhisperFloXF® VS Pump Parts



Item #	Description
400023Z	Impeller Assembly

Item #	Description
400011Z	Diffuser
17351-0101S	Mechanical Seal
350336	Diffuser O-Ring
351446	Seal Plate O-Ring
400002	WhisperFloXF VS Seal Plate
400007Z	Strainer Basket
400006	WhisperFloXF VS Lid/Locking Ring Assembly
35505-1440	Lid/Locking Ring O-Ring

MECHANICAL EQUIPMENT

Pentair® SuperMax® VS (Variable Speed) Pumps

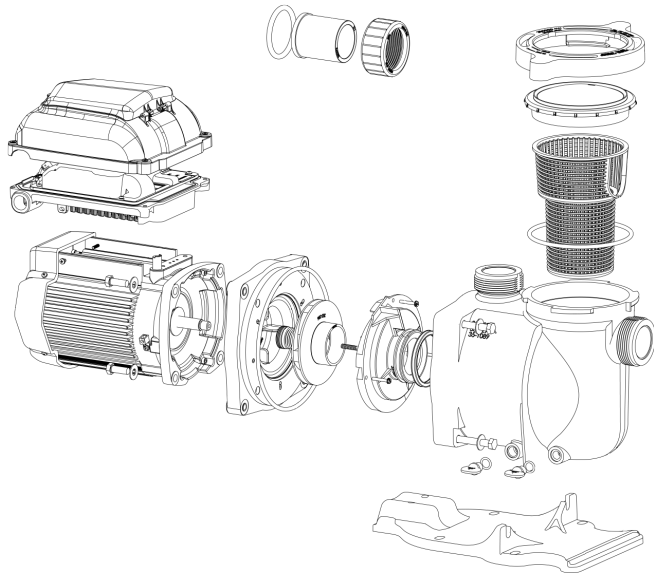
SuperMax VS Pumps bring the remarkable energy cost savings of variable speed technology to standard pools at an affordable price. They slash energy costs by up to 80% while helping to keep your pool sparkling clean and inviting. SuperMax VS Pumps come to you from the trusted leader that launched variable speed technology to the swimming pool industry years ahead of every other pump manufacturer. The SuperMax VS Pump is your direct variable speed replacement for the SuperMax single-speed Pump as well as a superior drop-in replacement for the Hayward® Super Pump®.



Features

- Variable speed technology costs significantly less to operate
- Ideal for standard pools, requiring up to 1.5 hp pump
- 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
- Can be controlled remotely using digital inputs or RS485

Item #	Voltage	AMPS	THP	SF
343001	115/208-230	13.6/8.0-7.1	2.2	1.0



SuperMax® VS Pump Parts



Item #	Description
C105-238PDCA	Impeller

Item #	Description
 355949Z	Diffuser
 17351-0101S	Shaft Seal Set
 355331	Diffuser Seal
 355619Z	Sealplate Gasket
 356071Z	Sealplate, Almond
 356072Z	Sealplate, Black
 355667	Strainer Basket
 350091	Lid
 350090	Locking Ring, Almond
 351090	Locking Ring, Black
 357255	Lid O-Ring

Pentair® SuperFlo® High Performance Pumps

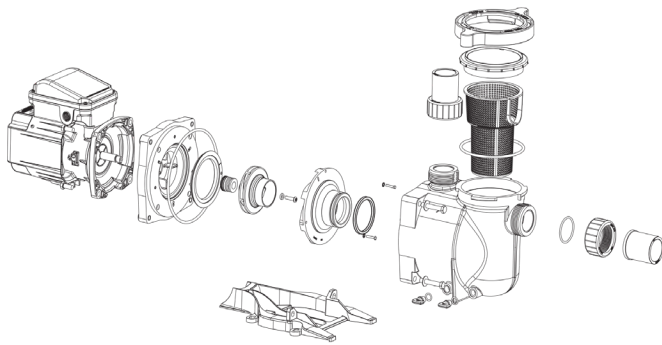
SuperFlo Pumps are the first and only single-speed pump models to use NEMA Premium® Efficient motors for pool applications.* The new and improved SuperFlo DOE compliant pumps are designed to help save electricity and optimize hydraulic horsepower without sacrificing performance.

Features

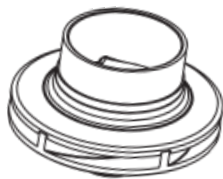
- 1.5" internal slip (2" external slip) and quick-disconnect plumbing union for faster disassembly, making it a summer breeze to service
- Cam and Ramp™ Lid permits easy inspection of the strainer basket, and locks in place with a quarter turn for cleaning that is fast and easy
- SuperFlo pumps are a high-performing drop-in replacement for the Hayward® Super Pump®
- Meets DOE minimum efficiency requirements



Item #	Voltage	AMPS	THP	SF
348190	115/208-230	10.5/5.5-5.4	1.1	1.0



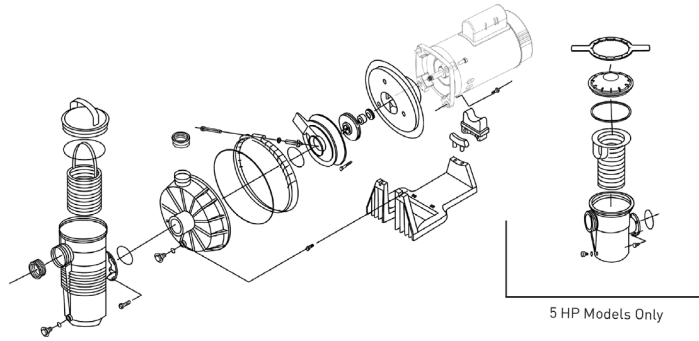
SuperFlo® Pump Parts




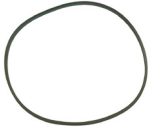
Item #	Description
356356Z	Impeller

Item #	Description
 356358Z	Diffuser
 354545S	Shaft Seal Set
 355030	Diffuser Seal
 355619Z	O-Ring, Seal Plate
 356012	Seal Plate
 355667	Strainer Basket
 350091	Lid
 350090	Locking Ring
 357255	O-Ring, Lid

MECHANICAL EQUIPMENT



Pentair® Challenger® High Flow Pump Parts

	Item #	Description
	355067	Impeller, 1A
	355074	Impeller, 1½ A
	355086	Impeller, 2A
	355029	Diffuser, 1A
	355077	Diffuser, 1½ A, 2A
	355329	Front Housing O-Ring

	Item #	Description
	355318	Basket, Plastic
	350013	Lid, O-Ring
	355301	Strainer Pot Lid



Most common Pumps and parts are shown. Additional Pumps and parts are available. Please call for a quote.



PUMP SEALS

	Item #	Manufacturer	Pump Type	Generic Part #
	SPX1600Z2	Hayward®	Max-Flo™	AS-201, AS-1521, PS201, PSR-201, PSR-201V
	354545S	Pentair®	Challenger®	AS-200, PS-200, PSR-200, PSR-200V
	071725S	Pentair®	C Series® (CH/CHK)	AS-360
	071734S	Pentair®	WhisperFlo®	AS-1000, PS-1000, PSR-1000, PSR-100V
	17351-0101S	Pentair®	WhisperFloXF®	PS-3868, PSR-201V
	17351-0101S	Pentair® – Sta-Rite®	Max-E-Pro®	AS-201, PS-201
	17304-0100S	Pentair® – Sta-Rite®	Max-E-Glas® & Dura-Glas®	AS-200, PS-200

INSTRUCTIONS

SEAL INSTALLATION GUIDE

Installation Instructions For Replacement Seals

1. Disassemble pump cavity to expose defective seal. Removal of old seal and assembly of new seal requires careful operations and precautions. **CAUTION: Lapped and polished faces of new seal are easily scratched and damaged. Protect from damage, dirt and finger prints.**
2. Carefully remove old seal head and seat, taking care not to scratch shaft or seat counterbore. **Note how old seal is assembled, to be sure replacement seal is installed in identical manner.**
3. Clean shaft and counterbore surfaces using fine emery cloth or equivalent. Remove rust, burrs and wipe clean.
4. Shaft, seat counterbore and rubber members of seal head and seat should be lubricated with a lubricant compatible with the seal elastomer. Check seal surfaces to be sure they are free of any dirt, grit or lubricants.
5. Press seal seat firmly into counterbore to be sure it is bottomed square. Slide seal head along shaft making sure that spring is correctly engaged into seal.
6. Re-assemble pump and remember that trouble free operation of a pump includes making a correct seal installation.

MECHANICAL EQUIPMENT

REPLACEMENT MOTORS

Replacement Motor Guide

The nameplate on the motor being replaced contains much of the critical information needed to select a new motor. Choosing the right replacement motor is as easy as these six steps.

1. Model number or catalog number?
2. Frame?



Thru Bolt Round Flanged Keyed Round Flanged Threaded Square Flange

3. Know the total horsepower output. Find it on the motor's nameplate. Use this equation: the total horsepower times (x) the service factor of the replacement motor must be equal to or greater than that of the original motor being replaced.

Up-rated Vs. Full Rated Equation for example

Rating	HP	X	SF	=	Effective Horsepower
Up-rated	1.0	X	1.25	=	1.25
Full Rated	0.75	X	1.65	=	1.23

Many electric motors are full-rated at a horsepower rating ("nameplate rating") plus a service factor rating. The service factor rating indicates the amount of excess power built into the motor beyond its normal nameplate rating.

Instead of giving a full-rating plus service-factor rating, some motor manufacturers up-rate their motors. This means that the up-rated horsepower rating already includes the service factor excess power. These motors normally deliver almost the same output and service life as a full-rated motor of the next lower horsepower rating. An up-rated motor thus has a lower power than the full-rated motor of the same horsepower.

Make sure to replace same as built or permitted when replacing a motor. Know the horsepower and service factor.

4. Is the motor single or three phase? The original and replacement motors must be the same unless the power supply is being changed.
5. What is the correct voltage? The operating voltage of the replacement motor must match the voltage of the original motor. A single voltage motor is an acceptable replacement for a dual voltage and vice versa.
6. What is the motor's cycle or hertz? As a general rule, 50-cycle motors should not be substituted for 60-cycle motors and vice versa.

1081 DESIGN	ST 1072
THERMALLY PROTECTED	SKCET53ABN
MOD. C48K2N117A3	SER. 8K00
VOLTS 115/230	ENCL = DP hp %
ROT = CCWPE	PH 1 CODE L
RPM 3450	FR 56J HZ 60
MAX LOAD	AMPS 14.6/7.3 SF 1.5
MAX LOAD	B AMB 50 C TIME RATING CONT.
TYPE UAC	A.O.SMITH CORP. MEXICO

CENTURY® & A.O. SMITH® MOTORS

Square Flange (56Y Frame)

Frame (6½" Diameter of Body)

Frame Motor Replacement (Aquaflow-Dominator®, Challenger®, Jacuzzi Bros.-Cygnet®, Pentair®, WhisperFlo® & Ultra Flow®)



Low Service Factor (Up-Rate)

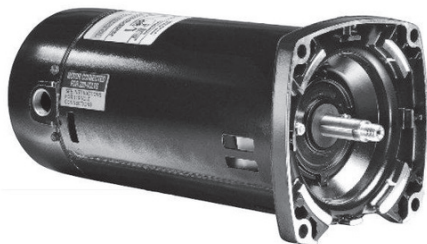
Item #	HP	SF	Volts
B852	¾	1.25	115/230
B853	1	1.25	115/230
B854	1½	1.10	115/230
B855	2	1.10	230
B840	2½	1.04	230
B1000	5	1.00	208-230

Three-Phase High Service Factor (Full-Rate)

Item #	HP	SF	Volts
H492	¾	1.65	208-230/460
H635	1	1.65	208-230/460
H636	1½	1.47	208-230/460
H637	2	1.30	208-230/460
H755	3	1.15	208-230/460
H995	5	1.00	208-230/460

Square Flange (48Y Frame)

Frame (5½" Diameter of Body)
 Frame Motor Replacement (Sta-Rite®, Duraglas®, Duraglas® II,
 Max-E Glass® & Max-E Glass® II)



Closed-Coupled

Sta-Rite® DMH/DMJ Series, Sta-Rite® CSP Series
 and ITT Marlow®



Low Service Factor (Up-Rate)

Item #	HP	SF	Volts
USQ1052	½	1.30	115/230
USQ1072	¾	1.27	115/230
USQ1102	1	1.25	115/230
USQ1202	2	1.10	230
USQ1252	2½	1.00	230

Item #	HP	Phase	Frame	SF	Volts
P130	3	1	182JM	1.15	230
P231	5	1	184JM	1.15	230
TCP81004	3	3	145JM	1.15	230/460
TCP11005	5	3	182JM	1.15	230/460
TCP11006	7½	3	184JM	1.15	230/460
E371ME	10	3	213JM	1.15	230/460
E377E	15	3	213JM	1.15	230/460

Energy Efficient High Service Factor (Full-Rate)

Item #	HP	SF	Volts
QC1052	½	1.90	115/230
QC1072	¾	1.65	115/230
QC1102	1	1.65	115/230
SQ1152	1½	1.47	230
SQ1202	2	1.30	230
SQ1302V1	3	1.15	230

CMK/CHK Three-Phase



Item #	HP	Frame	SF	Volts
R237	5	182TY	1.15	208-220/440
R232	7½	184TY	1.15	208-220/440
R338	10	213TY	1.15	208-220/440
R339	15	215TY	1.15	208-220/440



MECHANICAL EQUIPMENT

VALVES & PVC

Bray 30-119 Series Butterfly Valve

175 psi Water style butterfly valve with polyester coated cast iron body, Nylon 11 coated ductile iron disc, 416SS stem and a EPDM Seat. Valve complete with a ten position handle kit.



Item #	Description
2.5IN30-119	2½" Butterfly Valve
3IN30-119	3" Butterfly Valve
4IN30-119	4" Butterfly Valve
6IN30-119	6" Butterfly Valve
8IN30-119	8" Butterfly Valve

Bray 30-119 Series Butterfly Valve with Lever



Item #	Description
2.5IN30-119L	2½" Butterfly Valve with Lever
3IN30-119L	3" Butterfly Valve with Lever
4IN30-119L	4" Butterfly Valve with Lever
6IN30-119L	6" Butterfly Valve with Lever
8IN30-119L	8" Butterfly Valve with Lever

PVC Wafer Butterfly Valves, EDPM with Handle & Gasket



Item #	Description
722311-020	2" PVC Wafer Butterfly Valve
722311-030	3" PVC Wafer Butterfly Valve
722311-040	4" PVC Wafer Butterfly Valve
722311-060	6" PVC Wafer Butterfly Valve
722311-080	8" PVC Wafer Butterfly Valve

ASCO 2-Way Solenoid Valve



Item #	Description
8210G002	½" Standard, Normally Closed
8210G004	1" Standard, Normally Closed
8210G022	1½" Standard, Normally Closed
8210G100	2" Standard, Normally Closed

Single Entry Ball Valve



Item #	Description
6631-005	PVC SCH 80 ½" Grey FKM
2621-005	PVC SCH 40 ½" White EPDM

True Union Ball Valve Regular Style FKM



Item #	Description
2339-005	½" Soc and FPT Included
2339-010	1" Soc and FPT Included
2339-020	2" Soc and FPT Included
2322-030	3" Socket
2322-040	4" Socket

True Union Ball Valve Standard Style FKM



Item #	Description
3639-005	½" Soc and FPT Included
3639-007	¾" Soc and FPT Included
3639-010	1" Soc and FPT Included
3639-012	1¼" Soc and FPT Included
3639-015	1½" Soc and FPT Included
3639-020	2" Soc and FPT Included
3632-030	3" Socket
3632-040	4" Socket

PVC Sch. 80 Union 2000 FKM O-Ring



Item #	Description
8057-005	½" Socket
8057-007	¾" Socket
8057-010	1" Socket
8057-020	2" Socket
8057-030	3" Socket
8057-040	4" Socket

PVC Sch. 80 Coupling Soc



Item #	Description
829-005	½" Soc
829-007	¾" Soc
829-010	1" Soc
829-015	1½" Soc
829-020	2" Soc
829-030	3" Soc
829-040	4" Soc

PVC Sch. 80 90° ELL



Item #	Description
806-005	½" Soc
806-007	¾" Soc
806-010	1" Soc
806-015	1½" Soc
806-020	2" Soc
806-030	3" Soc
806-040	4" Soc

PVC Sch. 80 Industrial Pipe (Sold per Foot)



Item #	Description
PVC8P34	¾" Industrial Pipe
PVC8P1	1" Industrial Pipe
PVC8P2	2" Industrial Pipe
PVC8P3	3" Industrial Pipe
PVC8P4	4" Industrial Pipe
PVC8P6	6" Industrial Pipe

PVC Sch. 80 Flange Van Stone Style w/Glass Filled PVC Ring Soc



Item #	Description
854-020	2" Soc
854-030	3" Soc
854-040	4" Soc
854-060	6" Soc

PIPE TAPE

Directional Arrow Tape (Sold per Foot)



Item #	Description
D3613WG	Backwash Pipe Tape, Green with White Arrows



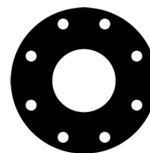
Item #	Description
D3613BY	Unfiltered Pipe Tape, Yellow with Black Arrows



Item #	Description
D3613WB	Filtered Water Return Pipe Tape, Blue with White Arrows

GASKETS

Buna Flanges & Ring Gaskets



Item #	Description
GK1-020	2" Buna Flange Gasket
GK1-025	2½" Buna Flange Gasket
GK1-030	3" Buna Flange Gasket
GK1-040	4" Buna Flange Gasket
Gk1-060	6" Buna Flange Gasket
GK1-080	8" Buna Flange Gasket



Item #	Description
RG02	2" #150, 1/16" 8500 Green Gasket
RG25	2½" #150, 1/16" 8500 Green Gasket
RG03	3" #150, 1/16" 8500 Green Gasket
RG04	4" #150, 1/16" 8500 Green Gasket
RG06	6" #150, 1/16" 8500 Green Gasket
RG08	8" #150, 1/16" 8500 Green Gasket

MEASURING DEVICES

WATER LEVEL CONTROLLERS

Jandy® Levolor® K-1100 Model (Fill Only)

The Levolor K-1100 includes a sensor with wire, controller and a solenoid valve. The system contains non-corrosive components, NEMA 4 enclosure, all suitable for use in a pool and mechanical room environment. The system provides control and adjustability, ease of operation and service accessibility.



Item #	Description
K1100CKA	Jandy K1100CKA Levolor 220V (Field Adjusted to 110V) with 50' Sensor Lead, 1" Valve
SOL100	Jandy Levolor Solenoid Valve
K1100	Jandy Levolor Sensor

Warrick® Automatic Level Control

Warrick Automatic Level Controls are engineered for general purpose single-level or differential service. Series 16M controls combine the reliability of solid state electronics and the convenience of a plug-in design.


Series 16M (General Purpose)

Series 16M controls are designed for either differential or single-level service. Their U.L. "Motor Controller" listing, 8-pin socket with screw-type connections make the unit easy to install and service. Series 16M controls have a sensitivity of up to 1 million ohm/cm.

Item #	Description
 16ML1A1	Warrick® Solid State Level Controller
 16ML1A0	Controller Relay Replacement Less Housing
 16MB1A0	Warrick® Module with Socket



Series 3E Fittings

Series 3E fittings are cast metal, pressure-tight assemblies capable of holding 1-7 probes. Fittings are attached to vessels via male NPT mounting. Series 3E fittings require the use of 3R rigid electrodes.

Item #	Description
 3E2B	Electrode Fitting Threaded for 2 Electrodes
3E3B	Electrode Fitting Threaded for 3 Electrodes




Series 3F Flanged, Pressure-Tight Fittings

Designed for general purpose service, Series 3F flanged, pressure-tight fittings can handle up to seven probes. They mate with standard pipe flanges coupled to the top of the vessel and are available in a variety of materials.


Item #	Description
 3F2E	Electrode Fitting Flanged for 2 Electrodes
3F3E	Electrode Fitting Flanged for 3 Electrodes
 3R1C0	Electrode Rod, 1' Length
3R2C0	Electrode Rod, 2' Length
3R3C0	Electrode Rod, 3' Length
3R4C0	Electrode Rod, 4' Length
3R5C0	Electrode Rod, 5' Length

CONTROL VALVES


Carlo Gavazzi Level Sensor

Item #	Description
 CLP2EB1B115	Amplifier Level Control Ecc Relay
 A94-10	Sensor, Hanging Electrode
 ZPD11	11 – Pole Socket

Electric Solenoid Valve

Item #	Description
 TFV100T110V	1", 110V, without Flow Control
TFV100TF110V	1", 110V, with Flow Control

Modulating Float Control Valve

Item #	Description
 1418	1/2" Modulating Float Control Valve Stainless Steel & Bronze

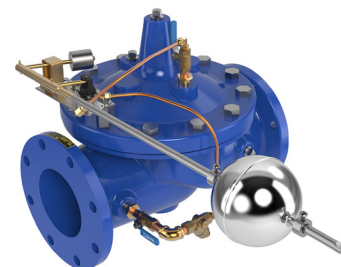
Cla-Val Float Valves

Cla-Val Float Valves are liquid level controls for tanks. These non-modulating valves are designed to open fully when the liquid level reaches a pre-set low point and close drip-tight when the level reaches a pre-set high point.

Level settings can be as much as 11 1/2 ft below the valve.

Features

- Accurate and Replaceable Level Control
- On-Off or Non-Modulating Action
- Fully Adjustable High and Low Level Settings
- Simple Design, Proven Reliable
- Easy Installation and Maintenance



Cla-Val Float Control

Cla-Val Float Controls are float-actuated, multiport pilot controls that provide non-modulating, two-position, on-off operation. They are designed for use in open tanks, this control operates on a minimum level change of approximately one inch.

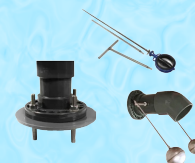


Item #	Description
CF1-C1	Cla-Val Float Control



We offer a range of high-quality diversion valves for pool and aquatic applications. The diversion valve (also known as a modulating valve or float valve) is a float-operated valve with throttling capabilities that will cycle as required based on water levels. Our diversion valves are available in vertical and horizontal models, as well as dual or single float configurations.



**Configuration, pipe size and rod assembly dictate item number.
Contact your Aqua Pure Representative for assistance**



MEASURING DEVICES

THERMOMETERS






Pool Water Thermometers

	Item #	Description
	PS088	Chrome-Plated Thermometer with Cord
	PS080	Jim Buoy Thermometer with String

In-Line Thermometers

	Item #	Description
	SL2D	Pentair® 50/220 °F with ½" NPT, Threaded
	SL1DW	Pentair® 30/130 °F In-Line Thermometer with Nylon Well Pipe
	SWN	Nylon Well Pipe Only for In-Line Thermometer

Industrial Thermometers

	Item #	Description
	21115	In-Line Vari-Angle with 3½" Separable Brass Socket
	21125	In-Line Angle Form with 3½" Separable Brass Socket
	21120	In-Line Straight with 3½" Separable Brass Socket
	SX93575	9" Adjustable Angle, 0-160 °F 4" Bottom Stem for Installation of ¼" NPT, Separable Brass Socket
	W35B	Brass Well for SX93575

ILLINOIS DEPARTMENT OF PUBLIC HEALTH

PART 820 SWIMMING FACILITY CODE

Section 820.210 Swimming Facility Water Treatment System

b) Pumping Equipment

A compound vacuum-pressure gauge shall be installed on the pump section line as close to the pump as possible. A vacuum gauge may be used for pumps with suction lift. A pressure gauge shall be installed on the pump discharge line adjacent to the pump, with no valves between the pump and the gauge. Gauges shall be installed where they can be easily read.

c) Water Heater



3) Thermometers shall be provided in the piping to check the temperature of the water returning from the pool and the temperature of the blended water returning to the pool.

h) Filtration





2) Pressure gauges that indicate the inlet and outlet pressures of pressure filters shall be installed.

GAUGES



Plastic, Bottom Mount

	Item #	Description
	1354	2" Vacuum, 30/0 HG
	1354-60	2" Pressure, 0/60 psi




Stainless Steel, Bottom Mount

	Item #	Description
	M204LBVAC	2" Vacuum, 30/0 HG
	M204LB60	2" Pressure, 0/60 psi
	H454LSVAC	4 1/2" Vacuum, 30/0 HG
	H454LS60	4 1/2" Pressure, 0/60 psi


Stainless Steel, Back Mount

	Item #	Description
	M204RBVAC	2" Vacuum, 30/0 HG
	M204RB60	2" Pressure, 0/60 psi


Stainless Steel, Bottom Mount, Liquid Filled

	Item #	Description
	BG254LBVAC	2 1/2" Vacuum, 30/0 HG
	BG254LB60	2 1/2" Pressure, 0/60 psi
	BG254LBVAC60	2 1/2" Compound, 30/0 HG, 0/60 psi

Stainless Steel, Back Mount, Liquid Filled

	Item #	Description
	BG254RBVAC	2 1/2" Vacuum, 30/0 HG
	BG254RB60	2 1/2" Pressure, 0/60 psi
	BG254RBVAC60	2 1/2" Compound, 30/0 HG, 0/60 psi

Neptune Benson Filter Gauge

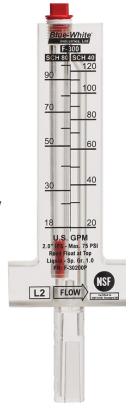
	Item #	Description
	150707050C	4 1/2" Neptune Benson Gauge Pressure

BLUE-WHITE INDUSTRIES, LTD.®

F-300 Series Flowmeter

Features

- Well suited for closed pipe installation
- Easy to read dual scale (SCH 40 / SCH 80) screen printed on both sides
- Reads Horizontal, upwards or downwards flow
- One piece machined acrylic meter body
- Acceptable for outdoor installations
- Pitot Tube (impact tube) design makes it easy to install on existing pipe
- Standard Horizontal Units NSF 50 listed







For Horizontal Pipe Installation

Item #	Pipe Size	Sch40	Sch80
F-30100P	1"	5-35 gpm	4-26 gpm
F-30125P	1¼"	9-50 gpm	8-40 gpm
F-30150P	1½"	10-70 gpm	10-60 gpm
F-30200P	2"	20-120 gpm	18-100 gpm
F-30250P	2½"	29-150 gpm	25-130 gpm
F-30300P	3"	45-240 gpm	40-215 gpm
F-30400P	4"	75-420 gpm	70-400 gpm
F-30600P	6"	170-1100 gpm	160-1000 gpm
F-30800P	8"	300-2200 gpm	275-1950 gpm

For Vertical Pipe Installation

Item #	Pipe Size	Sch40	Sch80	Flow Direction
U-30150P	1½"	10-60 gpm	10-50 gpm	UP
D-30150P	1½"	10-60 gpm	10-50 gpm	DOWN
U-30200P	2"	20-110 gpm	20-100 gpm	UP
D-30200P	2"	20-110 gpm	20-100 gpm	DOWN

F-300, D-300 & U-300 Parts

Item #	Description
 F-3005	Cap Plug for F-300, D-300 & U-300
 F-3003	Gasket Seal for Pipe & Tubing Units, Through 4" O.D.
 F-3004	Gasket Seal for Pipe & Tubing Units, 6"-8" O.D.
 F-3001	Float, F-300 Standard Range Units, Stainless Steel

F-1000 Digital Flowmeter

Features

- Easy to read six digit LCD, up to four decimal positions
- Battery operated (two AAA batteries included)
- Acceptable for Vertical or Horizontal installation
- Total reset function can be disabled
- Display update time: Rate 1.5 sec., Total 0.5 sec.
- Factory calibrated – Nothing to program
- NEMA 4X weather resistant enclosure
- LCD is not recommended for direct sunlight applications



Schedule 40 Models

Item #	IPS Pipe Size	Flow Range
RB-150S4-GPM1	1½"	15-150 gpm
RB-200S4-GPM1	2"	30-300 gpm
RB-300S4-GPM1	3"	60-600 gpm
RB-400S4-GPM1	4"	100-1000 gpm
RB-600S4-GPM1	6"	250-2500 gpm

Schedule 80 Models

Item #	IPS Pipe Size	Flow Range
RB-150S8-GPM1	1½"	15-150 gpm
RB-200S8-GPM1	2"	30-300 gpm
RB-300S8-GPM1	3"	60-600 gpm
RB-400S8-GPM1	4"	100-1000 gpm
RB-600S8-GPM1	6"	250-2500 gpm

! INFORMATION

Minimum Inlet Pipe Length = 10 x Pipe I.D.

Minimum Outlet Pipe Length = 4 x Pipe I.D.

Installation Pipe Length Requirements

Type of Disturbance	Min. Inlet Pipe	Min. Outlet Pipe
Flange	10 x I.D.	5 x I.D.
Reducer	15 x I.D.	5 x I.D.
90° Elbow	20 x I.D.	5 x I.D.
Two 90° Elbows (1 Direction)	25 x I.D.	5 x I.D.
Two 90° Elbows (2 Directions)	40 x I.D.	5 x I.D.
Pump or Gate Valves	50 x I.D.	5 x I.D.

H2FLOW™

FlowVis® Flowmeters

FlowVis is a revolutionary, patented solution for accurate and reliable flow and velocity rate measurement. It is used in fresh water applications such as swimming pools, spas, fountains, water features, irrigation systems, ground water applications, well water and solar systems.



Features

- Ease of installation with zero to minimal straight pipe
- Installation flexibility that allows orientation in any position, e.g., horizontal or vertical
- Long life without sticking floats or paddle wheels
- User upgradeable to include digital functionality (FV-D)
- More NSF 50 certified models than any other brand of flow meter

Item #	Pipe Size	Pipe Sch	Flow Range
FV-15	1½"	Sch40	10-80 gpm
FV-2	2"	Sch40	10-110 gpm
FV-3	3"	Sch80	70-240 gpm
FV-4	4"	Sch80	150-460 gpm
FV-6	6"	Sch80	300-1000 gpm
FV-8	8"	Sch80	600-1800 gpm

FlowVis® Digital

Upgrade to FlowVis Digital to enjoy more flexibility, more functionality, and more user-friendly features.

The wall-mountable FlowVis Digital can be retrofitted to any new or existing FlowVis installation to provide easy access to an accurate flow reading. FlowVis Digital also offers an array of valuable features and functionality including flow rate alarms, turnover rate functionality, and the ability to interface with other external equipment.



Item #	Description
FV-D	FlowVis Digital

+GF+

George Fisher Signet is a leader in flow sensor insertion technology. Signet measurement and control products are trusted worldwide for its fluid measurement instruments and sensors. Signet delivers a trustworthy product for accuracy and reliability for your pool or spa.

Signet 515 Rotor-X-Paddlewheel Flow Sensor

Signet 515 Rotor-X-Paddlewheel Flow Sensors are simple to install with time-honored reliable performance. The output signal is a sinusoidal frequency, capable of driving a self-powered flow meter (Model 3-5090). This sensor can be installed in up to 36" pipes using Signet's custom fittings to seat the sensor to the proper insertion depth into the process flow.



Item #	Description
P51530-P0	0.5-4 Pipe Size, Polypropylene Housing, Titanium Shaft, Black PVDF Rotor
P51530-P1	5-8 Pipe Size, Polypropylene Housing, Titanium Shaft, Black PVDF Rotor
P51530-P2	10+ Pipe Size, Polypropylene Housing, Titanium Shaft, Black PVDF Rotor

Signet 515 Parts



Item #	Description
M1538-2	Rotor for 515, PVDF, Black
M1546-1	Pin for 515, Titanium

MEASURING DEVICES

Signet 8150 Battery Powered Flow Totalizer

The Signet 8150 is compatible with the Signet 515 and 525 flow sensor, large digital display indicates flow rate and totalized flow volume simultaneously. Its four-button keypad provides for simple operation while setting screen displays and programming the system. Calibration can be easily performed by entering the AutoCal Feature and entering a value to match an external reference. The Signet 8150 requires two long-lasting 3.6 V lithium thionyl chloride AA-size batteries and features a low battery indication on its LCD display.

Item #	Description
3-8150-1	Field Mount Battery Powered (Mounting Unit Not Included) (3-8050 is needed when purchasing 3-8150-1)



Item #	Description
3-8050	Universal Mounting Unit Includes Transmitter Base, Universal Mounting Plate & Bracket (3-8050 is needed when purchasing 3-8150-1)

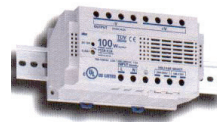


Item #	Description
3-8150-1P	Panel Mount Battery Powered (Panel Not Included)

Signet 7310 Switching Power Supply

Universal AC input. Full range power supplies provide regulated output voltage in compact light-weight plastic housing for DIN Rail mounting. The units meet the power requirements for a single system, multiple Signet instruments or other devices requiring 24 VDC operation.

Item #	Description
7310-1024	24 VDC Power Supply, 0.42 A, 10W
7310-2024	24 VDC Power Supply, 1.0 A, 24W



Instrument Enclosure Assemblies

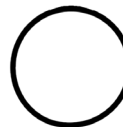
Enclosures offer a simple solution for applications such as digital transmitters or monitors and make these installations easy. Just mount the enclosure onto the wall using the integral mounting points, and wire heat sensor input and outputs to the option DIN rail terminal block. With the optional DIN rail mounted power supply (equipped with an 8' 120 VAC power cord), the enclosure is plug and play. Call for pricing or options.

Compact instrument enclosure would be for a panel mounting of a transmitter or the power supply. Standard instrument enclosure can accept both the transmitter and the power supply.

Contact Aqua Pure for more information.

Miscellaneous Signet Parts

Item #	Description
1220-0021	O-Ring, FPM, Two Required per Sensor (for all)
P31536	Sensor Plug, Polypropylene (for all)



MAGMETER FLOW MONITORS

Signet 2551 Magmeter Flow Sensor

The Signet 2551 is an insertion system magnetic flow sensor. It features no moving parts and is made of corrosion-resistant materials to provide long-term reliability with minimal maintenance costs. Utilizing the comprehensive line of Signet installation fittings, sensor alignment and insertion depth is automatic. These versatile, simple-to-install sensors deliver accurate flow measurement in pipe sizes from ½"-36". Multiple output options of frequency/digital or 4–20 mA are available on both blind and display versions. The frequency or digital can be used with Signet flow instruments. The 4–20 mA output can be used for direct input to VFC, PLC's, chart records, etc. The power requirement is 24 VCD.

Blind Display

4–20 mA output, for display use with Signet flow transmitter, VFD, PLC, PC or similar equipment



Item #	Description
3-2551-P0-12	½"-4" Use with Flow Transmitter
3-2551-P1-12	5"-8" Use with Flow Transmitter
3-2551-P2-12	10"-36" Use with Flow Transmitter

Local Display

4–20 mA output, for use with VFD, PLC, PC, or similar equipment



Item #	Description
3-2551-P0-42	½"-4"
3-2551-P1-42	5"-8"
3-2551-P2-42	10"-36"

Blind Display

Frequency out, use with transmitter 9900



Item #	Description
3-2551-P0-11	½"-4" Use with Flow Transmitter
3-2551-P1-11	5"-8" Use with Flow Transmitter
3-2551-P2-11	10"-36" Use with Flow Transmitter



PART 820 SWIMMING FACILITY CODE

Section 820.210 Swimming Facility Water Treatment System

d) Flow Meter. Flow meters shall be located so that the rate of recirculation and the backwash rate of sand filters can be read. In a multiple pool system, flow meters shall be provided for each pool. Separate flow meters shall be provided to monitor the flow for each area of a pool with a turnover rate that differs from adjacent areas according to subsection (b)(1). Flow meters shall be provided on inlet supply piping in accordance with subsection (f)(2)(G). Flow meters shall be installed on a straight length of pipe with no valves, elbows or other sources of turbulence within 10 pipe diameters upstream or 5 diameters downstream from the flow meters. (See Appendix A. Illustration G.

MEASURING DEVICES

TRANSMITTERS

Signet 9900 Transmitter

The Signet 9900 Transmitter is a "dial-type" digital bar graph, measuring 3.9" x 3.9" with auto-sensing backlit display. It features "at-a-glance" visibility that can be viewed 4–5 times the distance over traditional transmitters. The highly illuminated display and large characters reduce the risk of misreading or misinterpreting the display valves. The display shows separate lines for units, main and secondary measurements as well as a "dial type" digital bar graph. The 9900 is offered in both panel or field mount versions. Both configurations can run on 12–32 VD power (24 VCD nominal). Unit can also be loop powered with compatible sensors.



Item #	Description
3-9900-1	Field Mount Flow Transmitter (Mounting Unit Not Included) (3-8050 is needed when purchasing 3-9900-1)



Item #	Description
3-9900-1P	Panel Mount Flow Transmitter (Panel Not Included)



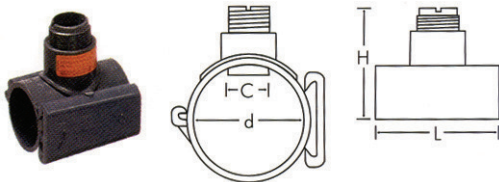
Item #	Description
3-8050	Universal Mounting Unit (3-8050 is needed when purchasing 3-9900-1)

INSTALLATION FITTINGS FOR ALL SIGNET METERS

These installation fittings MUST be used for proper installation insertion depth in order for all Signet meters to work properly.

PVC Glue-On Saddles

Mounts on SCH 80 PVC Pipe.

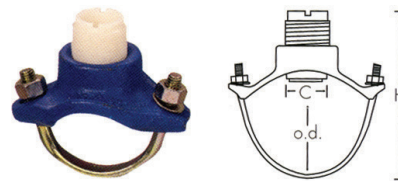


Item #	Size	L	H	D	C*
PV8S020	2"	4.00	5.0	2.375	1.43
PV8S025	2½"	4.75	5.4	2.875	1.43
PV8S030	3"	5.00	6.0	3.500	1.43
PV8S040	4"	5.00	7.0	4.500	1.43
PV8S060	6"	5.00	10.0	6.625	2.25
PV8S080	8"	5.00	11.5	8.625	2.25

*C – Clearance Dimension

Iron Strap-On Saddles

PVDF insert up to 8", PVC over 8".



Item #	Size	H	O.D. Min	O.D. Max	C*
IR8S020	2"	5.5	2.35	2.56	1.438
IR8S025	2½"	5.5	2.44	2.91	1.438
IR8S030	3"	6.5	2.97	3.54	1.438
IR8S040	4"	7.5	3.74	4.55	1.438
IR8S050	5"	9.0	4.74	5.63	2.25
IR8S060	6"	10.5	5.94	6.70	2.25
IR8S080	8"	12.0	7.69	8.72	2.25
IR8S100	10"	18.0	10.64	12.12	2.25
IR8S120	12"	20.0	12.62	14.32	2.25

*C – Clearance Dimension

GUTTER GRATES

There are four main types of gutter grating, with multiple configurations. Each type of gutter is specifically designed to operate with the pool design and recirculation system.

The primary purpose of a swimming pool gutter is to skim debris from the water surface. There is typically a gutter trough to capture waves moving across the surface. The grating can be exposed or recessed, be slip resistant, handle a weight load, exposure to UV rays, and fit snugly with the proper dimensions into the gutter trough. The four basic gutter types are fully recessed, rollout, rollout with parapet, and deck level.





When replacing gutter grating, there are many choices, having different manufactures and designs. Reviewing the existing type of installed depth, width, corners, curves, hand or finger grip, depth marking, and measurements are taken into consideration. Some manufacturers carry NSF, or ASTM or other testing agency approval.






An Aqua Pure Representative can meet with you to discuss your existing gutter grating and provide you with a quote for an exact replacement if available, or other options.

DEPTH MARKER INSTALLATION KITS

Installation Kits (Vinyl)

	Item #	Description
	V004000	Vinyl Installation Kit
	V004007	Vinyl Applicator
	V004010	Vinyl Spray Adhesive
	V004015	Vinyl Edge Sealer

Installation Kits (Glass)

	Item #	Description
	G004000	Glass Installation Kit
	G004005	Glass Notched Applicator
	G004010	Glass Culk Adhesive, White

DECK EQUIPMENT

DEPTH MARKERS

INFORMATION

Depth and Safety Markers available in multiple materials for specific applications:

- Ceramic Tile is available in either smooth for waterline or skid resistant for the deck.
- Vinyl Stickons for deck, peel and stick, peel and stick kit available for purchase.
- Plastic Stickons for waterline, adhesion to smooth surfaces, stainless, vinyl and fiberglass.
- Glass Overlay for waterline, apply over existing tile, eliminates tile removal, a caulk adhesive kit is available for purchase.

Instructions For Ordering Depth Markers:

1. Select depth marker material, i.e. C61, C62, V62, P41, G61, C82 or V82
2. Select series, i.e. 0000, 0500, 1000, 3500, 1500, 1700, 2000 or 3500

For Example

You want 6" x 6" ceramic skid resistant with just the FT marked on the depth marker, **the item number is C623500**

Material #	+	Series #	=	Item #
C62 - Ceramic Skid Resistant (Deck) 6" x 6", 4" Print	+	3500 - AB Series "FT"	=	C623500



Depth Marker Material

When ordering, replace "xxxx" with desired Series #.

6" Marker, 4" Print

Material #	Description
C61xxxx	Ceramic, Smooth (Waterline)
C62xxxx	Ceramic, Skid Resistant (Deck)
V62xxxx	Vinyl Stickon, Skid Resistant (Deck)
P41xxxx	Plastic Stickon, Smooth (Above Waterline)
G61xxxx	Glass, Smooth (Waterline)

8" Marker, 6" Print

Material #	Description
C82xxxx	Ceramic, Skid Resistant (Deck)
V82xxxx	Vinyl Stickon, Skid Resistant (Deck)

IDPH ILLINOIS DEPARTMENT OF PUBLIC HEALTH

PART 820 SWIMMING FACILITY CODE

Section 820.200 General Design

Depth Markers

- 1) The water depth shall be marked at or above the water surface on the wall of the pool and on the edge of the deck next to the pool so as to be readable by persons entering or in the pool. If depth markers cannot be placed on the walls at or above the water level so that at least 50% of the marking is above water level, they shall be placed on the pool wall as high as practicable and also on the fencing or pool enclosure so as to be plainly visible to persons in the pool. Depth markers shall be provided at the shallow and deep ends of the pool, the transition point, and the point of maximum depth, and shall be spaced at not more than 25' intervals measured peripherally, except that depth markings are not required at a zero-depth edge.
- 2) Depth markers shall indicate pool depth in either feet, feet and inches, or feet and fractions of a foot, and shall be of a color that contrasts with the background. Numerals indicating depth shall be a minimum of 4" high.
- 3) In shallow areas, "no-diving" markers or symbols at least 4" high shall be located at not more than 25' intervals around the pool perimeter except at a zero-depth edge.

IN Series Depth Markers

6" x 6" or 8" x 8" Markers
When ordering, replace "xxx"
with desired Material #.



Series #	Depth
xxx0500	0"
xxx0501	1"
xxx0502	2"
xxx0503	3"
xxx0504	4"
xxx0505	5"
xxx0506	6"
xxx0507	7"
xxx0508	8"
xxx0509	9"
xxx0510*	10"
xxx0511*	11"
xxx0512*	12"
xxx0518*	18"

*Not available in plastic (P41) depth markers

FT Series Depth Markers

6" x 6" or 8" x 8" Markers
When ordering, replace "xxx"
with desired Material #.



Series #	Depth
xxx0000	0'
xxx0005	½'
xxx0010	1'
xxx0015*	1½'
xxx0020	2'
xxx0025*	2½'
xxx0030	3'
xxx0035*	3½'
xxx0040	4'
xxx0045*	4½'
xxx0050	5'
xxx0055*	5½'
xxx0060	6'
xxx0065*	6½'
xxx0070	7'
xxx0075*	7½'
xxx0080	8'
xxx0085*	8½'
xxx0090	9'
xxx0091*	9½'
xxx0092*	10'
xxx0093*	11'
xxx0094*	12'
xxx0095*	13'
xxx0096*	14'

*Not available in plastic (P41) depth markers

NO Series Depth Markers

6" x 6" or 8" x 8" Markers
When ordering, replace "xxx"
with desired Material #.



Series #	Depth
xxx1000	0
xxx1005	½
xxx1010	1
xxx1015*	1½
xxx1020	2
xxx1025*	2½
xxx1030	3
xxx1035*	3½
xxx1040	4
xxx1045*	4½
xxx1050	5
xxx1055*	5½
xxx1060	6
xxx1065*	6½
xxx1070	7
xxx1075*	7½
xxx1080	8
xxx1085*	8½
xxx1090	9
xxx1091*	9½
xxx1092	10
xxx1093	11
xxx1094	12
xxx1095*	13
xxx1096*	14





*Not available in plastic (P41) depth markers

DECK EQUIPMENT

AB Series Depth Markers

6" x 6" or 8" x 8" Markers




When ordering, replace "xxx" with desired Material #

	Item #	Description
	xxx3500	FT
	xxx3505	IN
	xxx3510	M
	xxx3515	DP Not available in plastic (P41) depth markers

MG Series Depth Markers

6" x 6" or 8" x 8" Markers

When ordering, replace "xxx" with desired Material #

	Item #	Description
	xxx1500	No Diving with Symbol
	xxx1501	No Diving, No Symbol
	xxx1505	No Running with Symbol Not available in plastic (P41) depth markers
	xxx1506	No Running, No Symbol Not available in plastic (P41) depth markers

TMG Series Depth Markers

6" x 12" Markers

When ordering, replace "xxx" with desired Material #.



Material #	Description
xxx1700	No Diving, No Symbol



Material #	Description
xxx1705	No Running, No Symbol

MMG Series Depth Markers

6" x 6" or 8" x 8" Markers

When ordering, replace "xxx" with desired Material #.



Material #	Description
xxx2000	No Diving, No Symbol



Material #	Description
xxx2005	No Running, No Symbol

ROPES & ACCESSORIES

Pool Rope



Item #	Description
PPR375	3/8" Poly Pool Rope Per Foot
PPR050	1/2" Poly Pool Rope Per Foot
PPR075	3/4" Poly Pool Rope Per Foot

Rope Hooks



Item #	Description
PH-51H	3/4" Perma-Cast Rope Hook, Chrome-Plated Brass
PH-52H	1/2" Perma-Cast Rope Hook, Chrome-Plated Brass

Rope Floats



Item #	Description
PS689	Blue & White Float 3" x 5" for 1/2" Rope
PS688	Blue & White Float 5" x 9" for 3/4" Rope



IF5950	Handi Lock 3" x 5" for 1/2" Rope, BWB
IF5975	Handi Lock 5" x 9" for 3/4" Rope, BWB

Eyebolts & Wall Inserts



Item #	Description
70317	Heavy-Duty Eye Bolt



70318	Threaded Wall Insert for Heavy-Duty Eye Bolt
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70319	Standard Eye Bolt
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70320	Threaded Wall Insert for Standard Eye Bolt
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RACING LANES & PARTS

Competitor® Racing Lanes

Item #	Description
200347000	Body Segments, Approx. 4"
200348000	End Segments, Approx. 4"
200349000	Donut Floats, Approx 2"
200371001	Gold Medal Lane Segments, Approx. 4"
200210000	Stainless Steel/Vinyl Coated 3/16" Cable
200200000	Take Up Reel, Includes Cover & Allen Wrench
200202000	3/8" Wrench, 10", Single Ended
200240000	Stainless Steel Extension Hook with Rubber Coating 8"






AntiWave Racing Lanes

Item #	Description
AW0504	4 3/4" Disc Forefunner (Available in 17 Colors)
AW0506	6" Disc Maximum (Available in 17 Colors)
AW0055	Supertensioner (Available in 17 Colors)
AW0047	8" S-Hook Extension




For complete lane lines, call for quote.

DECK EQUIPMENT

POOL/SPA SIGNS REQUIRED BY THE STATE OF ILLINOIS

Item #	Description	Item #	Description
	2020IL Public Pool Regulations IL State Code 18" x 24" Plastic, with Mounting Holes		2026IL Pool Bather Load IL State Code 18" x 24" Plastic, with Mounting Holes
	2024IL No Lifeguard On Duty IL State Code 18" x 24" Plastic, with Mounting Holes		2030IL Spa Patron Regulations IL State Code 18" x 24" Plastic, with Mounting Holes
	2029IL No Person May Enter Pool Area Alone or Swim Alone		

PUBLIC POOL/SPA SIGNS

Item #	Description	Item #	Description
	R231200 No Diving Allowed Sign		R231400 Pool Closed Sign 12" x 6"
	R231100 CPR Chart Cardiopulmonary Resuscitation		

More signs are available upon request. Call for a quote.

IDPH ILLINOIS DEPARTMENT OF PUBLIC HEALTH

PART 820 SWIMMING FACILITY CODE

Section 820.360 Patron Regulations

Rules governing the use of the swimming facility and instructions to patrons shall be displayed on placards at the entrance to bather preparation facilities and adjacent to the swimming facility entrance and shall be enforced by the swimming facility manager/operator. The swimming facility management has the authority to implement and enforce rules that are more stringent than, or that supplement the IDPH Patron Regulations.

SAFETY EQUIPMENT

	Item #	Description		Item #	Description
	R221026	Rescue Hook, Fits Standard Straight Poles		SE-IL980	Water Rescue Tube, 39¼" x 6½" x 3¼"
	R221030	Hardware for Rescue Hook		SE-IL980A	Water Rescue Tube, 51" x 6½" x 3¼"
	R191106	12" Straight Pole Aluminum		PS374	60' Throw Line
	R191116	16" Straight Pole Aluminum			
	R191095	12" Straight Pole Fiberglass		975IL	CPR Microshield
	PS360	20" USCG Life Ring Buoy		18604IL	First Aid Kit with CPR Microshield, 24 Units
	PS361	24" USCG Life Ring Buoy			

IDPH ILLINOIS DEPARTMENT OF PUBLIC HEALTH

PART 820 SWIMMING FACILITY CODE

The following rescue equipment shall be provided and conspicuously displayed at swimming pools, except when certified lifeguards are provided and each lifeguard is equipped with a rescue device approved by the lifeguard certifying organization.

U.S. Coast Guard approved ring buoy with an attached throw rope with a length at least equal to the maximum width of the swimming pool or 50', whichever is less. One buoy shall be provided for every 2,000 square feet of water surface or fraction of that area.

A life hook or shepherd's crook at least 12' in length.

First Aid Kit. One or more first aid kits shall be kept filled with contents as required in Appendix B. Table B. Items that have a shelf life shall be kept current.

Section 820, TABLE B First Aid Kit Contents

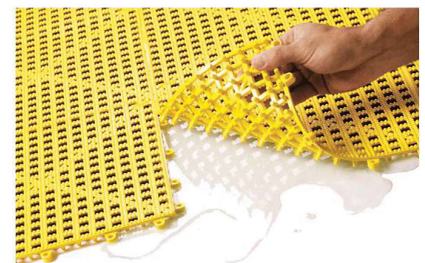
- (2) 3" Bandage Compress
- (1) Scissors Tweezers
- (1) Box Band-Aids of Various Sizes
- (4) Latex Gloves, Two Pairs
- (2) Eye Dressing Packet
- (1) 1" Adhesive Tape
- (1) Antiseptic

DRY WEAVE FLOOR TILES

DRI-DECK Flooring Tiles

Dri-Deck Interlocking floor tiles snap together for easy installation. Their patented design allows dirt and water to flow through the self-draining surface, while providing a dry, anti-skid surface for showers, locker rooms, pools, spas or saunas. Tiles are available in 12" x 12" x 9/16". 10 Year Limited Warranty.

Call for quote.



DECK EQUIPMENT

ADA COMPLIANT STEPS

Bozeman Therapy Steps

This Illinois State approved and ADA compliant therapy step unit provides swimming pool access for physically challenged individuals. These units are portable and custom designed to ensure a proper fit in your swimming pool. Contact your Aqua Pure Representative to get yours today, 630-771-1310.

Features

- Designed to support no more than 400 lbs.
- T-Bar steps, 31½" wide, slip resistant and UV stabilized
- Raised hand rails, 1½" diameter
- Each application is custom designed
- Easy transport with four 4" durable UHMW wheels
- To avoid entrapment, poly netting provided under stairs and sides

Item #	Description
57920	3-Tread Ladder
57921	4-Tread Ladder
57922	5-Tread Ladder
57923	6-Tread Ladder



LADDER EQUIPMENT

Ladder & Rails, S.R. Smith™ & KDI

We offer ladders and rails. Contact your Aqua Pure sales representative to determine the proper ladders or rails for your facility.



S.R. Smith Ladder



Rails



Paraflyte Chairs

Ladder Treads



	Item #	Description
	LTDF-101	18¼" S.R. Smith™ Tread, Plastic, No Hardware
	LTDF-103	20" S.R. Smith™ Stainless Steel, No Hardware
	A42077-0	20" S.R. Smith™ Blow Molded, No Hardware
	44101	19" Paragon®, Vertical, White, Hardware
	44107	26" Paragon®, Vertical, White, Hardware
	44104	19" Paragon®, Sloping, White, Hardware
	44109	26" Paragon®, Sloping, White, Hardware



LADDER HARDWARE

	Item #	Description
	60-703	Bolt Kit for LTDF-101, 2-Tread Bolt Pack
	60-704	Bolt Kit for LTDF-101, 3-Tread Bolt Pack
	60-701	Bolt Kit for LTDF-103, 2-Tread Bolt Pack
	60-702	Bolt Kit for LTDF-103, 3-Tread Bolt Pack
	A40909-1	Bolt Kit for A42077-0 Ladder Tread
	WRB-100A	1.9" Male Rubber Ladder Bumpers, White
	WRB-101A	1.9" Female Rubber Ladder Bumpers, White
	PS-4019-BC	4" Perma-Cast Anchor Socket for 1.9" Rail, Bronze

	Item #	Description
	SPX0392BA	Hayward® Wedge Dog with Washer
	A41494-0	S.R. Smith™ Wedge Dog & Washer Kit
	PW-4C	Perma-Cast Wedge Dog
	PE-0019-W	1.9" Perma-Cast Escutcheon Plate, White Cyclocac, 4½" L x 4½" W x ¾" H
	PE-0019-S	1.9" Perma-Cast Escutcheon Plate, Stainless Steel, 5" L x 5" W x 1" H

ANCHOR PARTS

	Item #	Description
	23638	6" Anchor Kit, Bronze
	36450	Lid & Key Replacement for 6" Bronze Anchor

	Item #	Description
	24098	Compression Anchor Cap
	23636	Anchor Key, Stainless Steel Slip

VGB, COVERS & WHITE GOODS

VGB VACUUM SAFETY RELEASE DEVICES

Vac-Alert™

Vac-Alert provides protection against suction entrapment from pool, spa, and hot tub drains with their safety vacuum release system.

Features

- Self-monitoring, non-electrical and low maintenance
- Easy to install within thirty minutes
- Long lasting design features moisture resistant PVC and stainless steel construction
- Simple adjustment and manual reset
- Meets all requirements of International Code Council
- Won't damage your pump when tripped
- 3-year limited warranty ensures reliability



Item #	Description
VA-2000S	Vac-Alert™ Below Grade Unit
VA-2000L	Vac-Alert™ Above Grade Unit



Emotron PSP₂₀

Simply Saving Lives

The PSP₂₀ uses the existing pump motor as a sensor to protect swimmers from the horrific injuries and loss of life caused by pool & spa entrapment. When a spa or swimming pool pump experiences a loss of suction caused by the drain being blocked, the PSP₂₀ detects a significant drop in motor load and shuts the pump off within one second.



Item #	Description
PSP20-10-25	Single-Phase, 120V, 1-25 Amps
PSP20-10-50	Single-Phase, 120V, 26-50 Amps
PSP20-20-25	1- or 3-Phase, 208/230V, 1-25 Amps
PSP20-20-50	1- or 3-Phase, 208/230V, 26-50 Amps

Emotron PSP₂₀ Remote Horn

Item #	Description
874-N5	120V Remote Horn
874-R5	208/230V Remote Horn



ADDITIONAL REQUIREMENTS FOR SAFETY DEVICES OR SYSTEMS

The Pool and Spa Safety Act requires all public pools and spas with a single main drain or multiple drains less than three feet apart to add one or more additional anti-entrapment devices or systems.

HAYWARD® DRAIN COVERS

7 Year Life from the Date of Installation

Hayward® High Flow Suction Outlet

Hayward High Flow Suction Outlets have some of the highest approved flow rates in the industry. These can be used on new construction or as replacement covers. Retrofitting into all existing Hayward® frames, they are VGB compliant and tested to ANSI/APSP-16 standards. All retaining screws included.



Item #	Description
WG1031HF2PAK2	9" Square Cover, Inner & Outer Frame Dual Pack Open Area: 23.18 sq. in. 1.5 ft/sec Flow Rate: 112 gpm Wall Flow: 224 gpm, Floor Flow: 264 gpm
WG1032HF2PAK2	12" Square Cover, Inner & Outer Frame Dual Pack Open Area: 41.07 sq. in. 1.5 ft/sec Flow Rate: 192 gpm Wall Flow: 308 gpm, Floor Flow: 515 gpm



Item #	Description
WG1033HF2PAK2	18" Square Cover, Inner & Outer Frame Dual Pack Open Area: 92.72 sq. in. 1.5 ft/sec Flow Rate: 580 gpm Wall Flow: 732 gpm, Floor Flow: 812 gpm

Hayward® Round Cover



Item #	Description
WG1030AVPAK2	8" Round Cover & Frame Dual Pack Open Area: 8.10 sq. in. Wall Flow: 72 gpm, Floor Flow: 125 gpm

Hayward® Replacement Parts

Item #	Description
WG1030Z8A	Stainless Steel Screw Pack for All Square Replacement Sets (Includes: (4) Self Tap & (4) Machine Thread)
WG1031BHF2	9" Square Replacement Cover, Inner Frame & Hardware
WG1032BHF2	12" Square Replacement Cover, Inner Frame & Hardware
WG1048E	Round Replacement Cover for Floor or Wall



Aqua Pure can conduct a site survey of the facility grate, drain, pump and measurements.

A commercial proposal will be provided to conduct this service and send the finding to an Illinois Department of Public Health (IDPH) pre-qualified architect/engineer for review. Upon review a commercial proposal will be provided for either replacement of construction – permit phase and IPDH fee (if applicable).

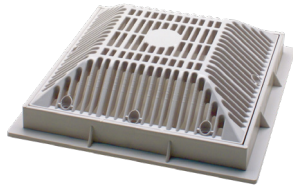
VGB, COVERS & WHITE GOODS

WATERWAY DRAIN COVERS

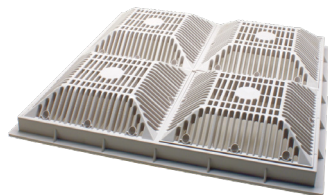
7 Year Life from the Date of Installation

Super-Pro Frame & Cover

Super-Pro covers do not have manufacturer recommendations for retrofitting any existing sumps. Hardware is included.



Item #	Description
640-4790V	9" Square Cover & Frame Open Area: 43.6 sq. in. Flow Rate: 203 GPM @ 1.5 ft/sec Wall Flow: 208 GPM 3" plumbing Floor Flow: 240 GPM 3" plumbing
640-4720V	12" Square Cover & Frame Open Area: 62.4 sq. in. Flow Rate: 292 gpm @ 1.5 ft/sec Wall Flow: 280 GPM, 4" plumbing Floor Flow: 356 GPM, 4" plumbing



Item #	Description
640-4770V	18" Square Cover & Frame Open Area: 174.40 sq. in. Flow Rate: 812 gpm @ 1.5 ft/sec Wall Flow: N/A Floor Flow: 540 GPM, 6" plumbing

Waterway Replacement Parts

Item #	Description
819-1031	#8 x1 Stainless Steel Screw
642-4790V	9" x 9" Square (Pool Grate Only)
642-4720V	12" x 12" Square (Pool Grate Only)

INFORMATION

VIRGINIA GRAEME BAKER POOL AND SPA SAFETY ACT

The Virginia Graeme Baker Pool and Spa Safety Act (VGBA, or Act) requires that drain covers must comply with entrapment protection requirements specified by the joint American Society of Mechanical Engineers (ASME) and American National Standards Institute (ANSI) ASME/ANSI A112.19.8 performance standard, or any successor standard. The Consumer Product Safety Commission incorporates sections of APSP-16 2017 as the successor drain cover standard.

The rule was changed on May 24, 2021, listed as the ANSI/APSP/ICC-16 2017 (APSP-16 2017) is the American National Standard for Suction Outlet Fitting Assemblies (SOFAs) for use in pools, spas, and hot tubs.

DETERMINING IF YOUR GRATES REQUIRE ATTENTION

1. When were the grates installed? When will they expire?
2. Are they fastened per the manufacturer's recommendations?
3. Are there any cracks, missing pieces or any other reasons for the grates to be replaced?
4. Have you budgeted for the replacement of the suction outlet grating?
5. Is the vacuum safety release system working?
6. Is the sump suction outlet in compliance with the Federal Pool and Spa Safety Act?
7. Do the grates handle at least 100% of the TDH flow as per the pump curve chart?
8. Do you need to apply for a permit?

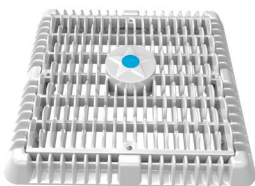
AQUASTAR® DRAIN COVERS

5 Year Life from the Date of Installation

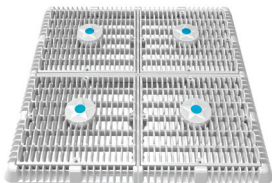
All AquaStar covers are trademarked VGB. Its compliance button can easily be identified as VGB compliant on the cover from on deck and underwater. They are also manufactured from superior UV-resistant engineered polymers and all components (cover, sump and screws) meet or exceed ANSI/APSP 16-2011 and NFS/ANSI 50-2009a national standards and ASTM G154 UV testing exposure.

There are primarily two types of mud frames for 9" and 12" square drain covers, and are described as being 3/4" or 1" deep. When replacing, it is important to choose a standard cover for 3/4" deep mud frames or a retrofit cover for 1" deep mud frames. AquaStar's universal drain covers (914101 & 1216101) come with adapters for both.

AquaStar® Square Standard Covers

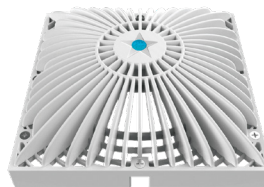


Item #	Description
WAV9WR101	9" Square Wave Cover, Open Area: 48.4 sq. in. Floor Flow Rate: 224 GPM @ 1.5 fps Wall Flow Rate: 224 GPM @ 1.5 fps
WAV12WR101	12" Square Wave Cover, Open Area: 90.8 sq. in. Floor Flow Rate: 361 GPM @ 1.3 fps Wall Flow Rate: 361 GPM @ 1.3 fps



Item #	Description
WAV18WR101	18" Square Wave Cover, Open Area: 176.8 sq. in. Floor Flow Rate: 628 GPM @ 1.1 fps Wall Flow Rate: 628 GPM @ 1.1 fps

AquaStar® Square Retrofit Covers



Item #	Description
R9MF101	9" Square MoFlow Cover, Open Area: 35.8 sq. in. Floor Flow Rate: 258 GPM @ 2.3 fps Wall Flow Rate: 274 GPM @ 2.5 fps
R12MF101	12" Square MoFlow Cover, Open Area: 69.1 sq. in. Floor Flow Rate: 274 GPM @ 1.3 fps Wall Flow Rate: 278 GPM @ 1.3 fps



Item #	Description
914101	14" Square Cover for 9" Mud Frame Open Area: 84 sq. in. Floor Flow Rate: 560 GPM @ 2.1 fps Wall Flow Rate: 300 GPM @ 1.2 fps
1216101	16" Square Cover for 12" Mud Frame Open Area: 101 sq. in. Floor Flow Rate: 460 GPM @ 1.5 fps Wall Flow Rate: 445 GPM @ 1.4 fps

914101 & 1216101 are Universal covers and include adapters for both 3/4" & 1" deep mud frames

Brass Anchor Kit

Anchor directly into pool finish using four brass anchor kit.



Item #	Description
BIK4	Brass Anchors, 4/Set Use with 91401 or 126101

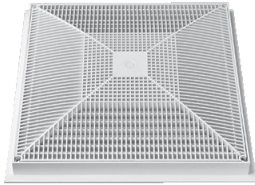
VGB, COVERS & WHITE GOODS

LAWSON DRAIN COVERS

10 Year Life from the Date of Installation

Lawson SuperFlow™ Main Drains

Lawson certified unblockable main drain covers are superflow rated and their design provides comfort under foot. These covers are easy to install and no special tools are needed. Also, there is no complicated retrofitting required.



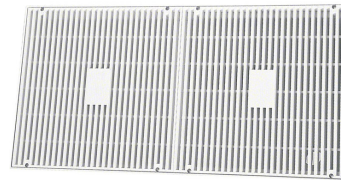
Item #	Description
MLD-FGD-0909	9" Square Cover & Frame Open Area: 42.12 sq. in. Floor Flow: 261 GPM, Wall Flow: 248 GPM
MLD-FGD-1212-WT	12" Square Cover & Frame Open Area: 81.30 sq. in. Floor Flow: 365 GPM, Wall Flow: 340 GPM
MLD-FGD-1818-WT	18" Square Cover & Frame Open Area: 183.06 sq. in. Floor Flow: 816 GPM, Wall Flow: 712 GPM Includes Two Grates

Lawson SuperFlow™ Flat Main Drains

Lawson certified main drain grates and covers have a superflow rate and a unique top profile design that provides extreme comfort under foot. These large area main drain frames and grates actually begin at 18" x 36" and go up in size in 18" increments. The SuperFlow capacity starts at 2,080 gpm; that is unmatched by the competition. Install end-to-end to accommodate higher flow rates. No additional support is required. For single unblockable drains or multiple drain use.

Features and Specifications

- Wall or floor installation
- ASME-2007 and NSF compliant
- UV and strength tested under ASME A112.19.8M
- Raised, cross-ridged profile for non-slip (and water penetration if blocked)



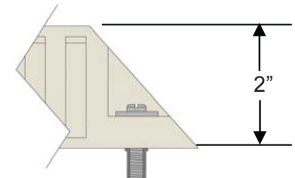
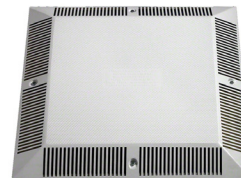
Item #	Description
MLD-FG-1836-WT	18" x 36" Suction Outlet Cover Open Area: 343.44 sq. in.. Floor Flow: 2,080 GPM, Wall Flow: 1,496 GPM
MLD-FG-1854-WT	18" x 54" Suction Outlet Cover Open Area: 518.16 sq. in. Floor Flow: 3,120 GPM, Wall Flow: 2,244 GPM

AEGIS DRAIN COVERS

15 Year Life from the Date of Installation

Aegis Anti-Entrapment Shield




Aegis Anti-Entrapment Shield easily installs over existing main drain and is the only solid fiberglass VGB drain cover available. It requires no grounding to the pool shell and is completely resistant to corrosion. Its 30" x 30" grate size allows main drain up to 24" x 24" to be covered. Aegis VGB cover includes stainless steel mounting hardware.



Item #	Description
3030AEC	30" x 30" Square Cover Open Area: 128.21 sq. in. Floor Flow: 1,432 GPM, Wall Flow: 1,120 GPM

WHITE GOODS

Hayward® Skimmer (SP1082, 1083, 1084, 1085, 1086)

	Item #	Description
	SPX1082E	Hayward® Cover
	SPX1082K	Hayward® Weir
	SPX1082CA	Hayward® Basket with Handle 6½" O.D. x 5"

Hayward® Skimmer (SP1096, 1097, 1098)

	Item #	Description
	SPX1096B	Hayward® Cover
	SPX1096K	Hayward® Weir
	SPX1096CA	Hayward® Basket with Handle 5½" O.D. x 3"

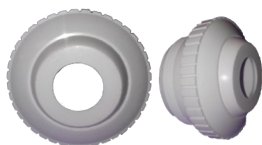
Additional Skimmer Parts

	Item #	Description
	85009500	American Products® Cover
	923	6" Aladdin Weir
	925	8" Aladdin Weir
	927	10" Aladdin Weir
	R38013A	American Products® Basket 7¼" x 8⅞"
	SP1082FV	Hayward Float Valve Assembly for 1080 Series

Pentair® (Sta-rite®/Swimquip®) Skimmer – U-3

	Item #	Description
	08650-0058	U-3 (Lid Only), White
	08650-0022	U-3 Hinged Weir Assembly
	516442	U-3 Hinged Weir Assembly Bright White (Skimmers Purchased After 7/2012)
	08650-0007	U-3 Basket & Handle 5¾" x 8½"

Eyeballs



Item #	Description	Item #	Description
SP1419A	Slotted Hayward® Eyeball	SP1419D	¾" Hayward® Eyeball
SP1419B	¾" Hayward® Eyeball	SP1419E	1" Hayward® Eyeball
SP1419C	½" Hayward® Eyeball		

VGB, COVERS & WHITE GOODS

HYDROSTATIC VALVES

Hydrostatic Relief Valves



Item #	Description
V50-125	1½" Perma-Cast Hydrostatic Relief Valve, Bronze
PV-20	2" Perma-Cast Hydrostatic Relief Valve, Bronze






Item #	Description
SP1056	2" – 1½" Hayward® Hydrostatic Relief Valve, Plastic

FLOOR INLETS & PARTS

Hayward Series SP1425

Item #	Description
 SPX1425B	Top Diffuser Plate
 SPX1425DA	Spinner Valve Assembly
 SPX1425Z32	Face Plate Screw, Set of 2
 SPX1425Z6	O-Ring

Pentair

Item #	Description
 08417-0000	1½" Floor Inlet Fitting, White
 08417-0005	Plate Cover Floor Inlet with Male Connection
 37207-0430	Inlet Cover Screw #8 x 1" SS



POOL & SPA LIGHTS

Intellibrite® Architectural Series Lights

Elevate nighttime pool experiences with the next generation of LED underwater pool lighting. The IntelliBrite Architectural Series Lights deliver a more dazzling and dynamic LED pool lighting experience with a brighter light and greater energy efficiency*. With refined optics and easy automation, it's like having a brand-new pool to explore.

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
- Compatibility with Pentair 10" and 6" niches enables an ideal upgrade from incandescent or first-generation LED lights

Pool Lights



Item #	Model	Voltage	Power	Cord Length
602182	White, 300W Equivalent	120V	26W	50 ft
602183	White, 300W Equivalent	120V	26W	100 ft
602184	White, 300W Equivalent	120V	26W	150 ft
602144	White, 300W Equivalent	12V	26W	50 ft
602145	White, 300W Equivalent	12V	26W	100 ft
602146	White, 300W Equivalent	12V	26W	150 ft
602178	White, 500W Equivalent	120V	31W	50 ft
602179	White, 500W Equivalent	120V	31W	100 ft
602180	White, 500W Equivalent	120V	31W	150 ft
602140	White, 500W Equivalent	12V	31W	50 ft
602141	White, 500W Equivalent	12V	31W	100 ft
602142	White, 500W Equivalent	12V	31W	150 ft

Spa Lights



Item #	Model	Voltage	Power	Cord Length
602194	White, 100W Equivalent	120V	18W	50 ft
602195	White, 100W Equivalent	120V	18W	100 ft
602196	White, 100W Equivalent	120V	18W	150 ft
618016	White, 100W Equivalent	12V	18W	50 ft
618017	White, 100W Equivalent	12V	18W	100 ft
618018	White, 100W Equivalent	12V	18W	150 ft

POOL & SPA LIGHTING

Amerlite®

Amerlite® light, the world standard of reliability for underwater lights, features a stainless steel shell, 8 $\frac{3}{8}$ " prismatic tempered glass lens, and stainless steel face ring with uni-tension clamp. Amerlite® lights are UL listed to install in full-sized Pentair® Pool Products, American, PacFab and Purex niches.








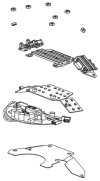




Item #	Voltage	Wattage	Cord Length
78448100	120	400	50 ft
78949100	120	400	100 ft
78447100	120	400	150 ft
78449100	120	400	200 ft
78458100	120	500	50 ft
78456300	120	500	100 ft
78457100	120	500	150 ft
78459100	120	500	200 ft

* Additional cord sizes available



LIGHT REPLACEMENT PARTS

Pool Light Replacement Parts







	Item #	Description	Intellibrite Architectural	Intellibrite 5G	Amerlite
	79104800	Pilot Screw, Brass	✓	✓	✓
	619355	Pilot Screw, Stainless Steel	✓	✓	✓
	79110600	Face Ring Assembly, Stainless Steel	✓	✓	✓
	79111000	Uni-Tension Wire Clamp Assembly	✓	✓	✓
	600095	Face Ring, Clamp, and Gasket Kit		✓	
	620400Z	Gasket, 8 $\frac{3}{8}$ " Diameter, Silicone	✓		

	Item #	Description	Intellibrite Architectural	Intellibrite 5G	Amerlite
	618091Z	LED Board Kit, 300W White	✓		
	618090Z	LED Board Kit, 500W White	✓		
	619864Z	Lens and Gasket Assembly, Tempered		✓	
	602168	Lens Kit	✓		
	619875Z	White LED 300W Replacement Engine		✓	
	619916Z	White LED 400W Replacement Engine		✓	
	619917Z	White LED 500W Replacement Engine		✓	
	79100100	8 $\frac{3}{8}$ " Diameter Clear Tempered Lens			✓
	79101600Z	Gasket for 8 $\frac{3}{8}$ " Lens			✓


Spa Light Replacement Parts


	Item #	Description	Intellibrite Architectural	Intellibrite 5G	Spabrite
	619355	Pilot Screw, Stainless Steel	✓	✓	✓
	79104800	Pilot Screw, Brass	✓	✓	✓
	79111600	Face Ring Assembly, Stainless Steel	✓	✓	✓

POOL & SPA LIGHTING

	Item #	Description	Intellibrite Architectural	Intellibrite 5G	Spabrite
	79210400	Uni-Tension Wire Clamp Assembly	✓	✓	✓
	602176	Lens Kit	✓		
	640046	Lens Kit		✓	
	79107800	Lens			✓
	79108600	Gasket Kit	✓		
	79108600	Gasket Kit		✓	✓
	98208600	Screw, Stainless Steel 10-24 x 3/8", 6 req., Chrome-Brass			✓
	79108500	Gasket for 4" Diameter Lens			✓

Additional Parts

	Item #	Description
	PX300	Light Transformer, 300W, 24V
	500C	Aladdin Ring for Amerlite®

	Item #	Description
	132	Light Wedge

REPLACEMENT LIGHT BULBS



Item #	Description	Voltage	Wattage
L300W12VS	Sealed Beam Two Screw (Par 56)	12	300



Item #	Description	Voltage	Wattage
L300W120VS	Sealed Beam Mogul End Prong (Par 56)	120	300



Item #	Description	Voltage	Wattage
L300W12VR	Med Base Flood, R-40	12	300
L300W120VR	Med Base Flood, R-40	120	300
L400W120VR	Med Base Flood, R-40	120	400
L500W120VR	Med Base Flood, R-40	120	500



Item #	Description	Voltage	Wattage
L100W12VR	Med Base Flood, R-30, Spabrite®	12	100



Item #	Description	Voltage	Wattage
L100W120VRF	Med Base Reflector Flood, R-20	120	100
L100W12VRF	Med Base Reflector Flood, R-20	12	100



Item #	Description	Voltage	Wattage
L75W12VH	Quartz, Two-Prong, Aqualight®	12	75



Item #	Description	Voltage	Wattage
L250W24VH	Quartz	24	250

MAINTENANCE & CLEANERS

BRUSHES & SCRUBBERS

Item #	Description
 6020	10" Blue & White Acid Brush (Great for Acid Washing Empty Pool)
 471	72" Handle 1 1/8" Diameter Tapered End for Acid Brush 6020
 9600	Dual Surface Acid Brush (Ideal for Acid Wash)

Item #	Description
 471A	72" Handle 1 1/8" Diameter Threaded End for Acid Brush 9600
 R111560	4 5/8" & 10" Scrubber Universal Wwivel Handle Finger Brush, ABS Body, Nylon Bristles
 PS122	Finger Brush, ABS Body, Nylon Bristles

CAULK & SEALERS

Vulkem® Sealant 116 & 45

Vulkem Sealant 116 & 45 are a one-part polyurethane sealant good to use in expansion joints for swimming pools, decks and sidewalk, and suitable for continuous immersion. Vulkem® 116 is for vertical or horizontal joints. Vulkem® 45 is self leveling for horizontal joints only.



Item #	Description
1570W	Vulkem® 116, 10.5 oz Cartridge, White
1570G	Vulkem® 116, 10.5 oz Cartridge, Gray



Item #	Description
1572W	Vulkem® 45, 30 oz Cartridge, White
1572G	Vulkem® 45, 30 oz Cartridge, Gray

Ruscoe Permanent Sealer

Ruscoe permanent sealer seals cracks and seams under water. You can successfully plug leaking cracks when your pool is full. This sealer will dry in about thirty minutes under water.



Item #	Description
1533W	Ruscoe Permanent Sealer, 10 oz Cartridge, White



Item #	Description
1533W-HV	Ruscoe Permanent Sealer, High Viscosity, 10 oz Cartridge, White
1533C-HV	Ruscoe Permanent Sealer, High Viscosity, 10 oz Cartridge, Clear

Boss® Caulk

Boss® 801 is an adhesive neutral silicone that provides excellent adhesion to ceramic tile, skimmers, light fixtures, spa jets and plumbing. This adhesive also adheres well to fiberglass, ABS, PVC, masonry, acrylic and wood.



Item #	Description
80100B	Boss® 801 Silicone Adhesive, 10.3 oz Cartridge, Clear
80101B	Boss® 801 Silicone Adhesive, 10.3 oz Cartridge, White

Pool Putty

Pool putty is used to repair leaks and cracks on concrete pools filled with water. This putty hardens under water. Packaged in a convenient cartridge for one-to-one easy mix. Estimated dry time under water is ninety minutes based on 70° F.



Item #	Description
530318	Pool Putty, 14 oz

All Purpose Primer, Pool Tite & Blue 75

Item #	Description
 UE9336S	All Purpose Primer, Clear, Quart
 UE2346S	Pool Tite™, Pint
 UE2336S	Pool Tite™, Quart
 SB75-030	Blue 75™ Thread Sealant, Quart

Plaster, Specco Patch & Grout

Item #	Description
 20PBC300	Pearl Brite™ Plaster Mix, 50 lb Bag, White
 2544-0025-2	Laticrete Permacolor Grout, 25 lb, Brite White

PERMACOLOR grout is a high-performance, fast setting grout that provides a grout joint that is dense and hard. PERMACOLOR grout is color consistent. Mix only with water. Coverage will vary from grout line size to tile size. An example for a 2" x 2" tile, 1/8" grout line a 25 lb bag will cover approximately 150 sq. ft. Other colors available upon request and may be a special order.

KELLEY TECHNICAL COATINGS

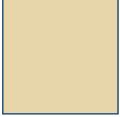
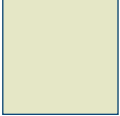
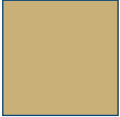



Patio Tones Deck Coating

1 Gallon Yields Approximately 120 sq. ft.

PATIO TONES will enhance the beauty of any concrete patio or pool deck. It is an excellent resurfacing product for the restoration of sprayed and patterned concrete surfacing systems.

Simply make any necessary repairs, clean the deck according to label instructions, and roll on PATIO TONES. The acrylic formula lets you prepare and coat in one day. The result will be a surface that is safe, beautiful and protected.



Coverage: 90-125 square feet per gallon depending on surface porosity. Available in five-gallon and one-gallon containers. Two coats required on initial application.

	Item #	Description
	W-469	Champagne (Very Light, Bone), Gallon
	W-478	Warm Biscuit (Beige), Gallon
	W-467	Silk Straw (Tan), Gallon
	W-463	Desert Sun (Light Beige/Tan), Gallon
	W-465	Sand Valley (Darker Beige), Gallon
	W-472	Mystic Gray (Light Gray), Gallon
	W-466	Creekstone (Gray), Gallon

Poxolon 2 Epoxy Pool Paint

1 Gallon Yields Approximately 225-250 sq. ft.

Poxolon 2 provides a tile-like finish. This high gloss epoxy pool coating adds protection and long-range durability. This epoxy coating is highly recommended to recoat existing epoxy pools. However, you can also apply this epoxy coating to new unpainted pools or for refinishing rough or stained plaster. Two coats are usually required when you use this epoxy coating on concrete, plaster, fiberglass and metal pools. Primer is required on these surfaces.

	Item #	Description
	2222	White Gallon
	2231	Blue Mist, Gallon
	2225	Blue Ice, Gallon
	2228	Bikini Blue, Gallon
	2212	Viking Blue, Gallon
	2226	Black, Gallon

INFORMATION



PAINT COLOR SAMPLES

Paint color samples on these pages may appear different for your application. Aqua Pure is not responsible for color variance or color charts provided by the manufacturer.

Zeron Epoxy Pool Coating

1 Gallon Yields Approximately 125-175 sq. ft.

Zeron is a one coat epoxy pool coating. This high solid epoxy will seal hairline cracks and even cover all types of stains. This pool coating is a nice alternative to replastering rough, stained plaster pools and also provides an easy way to maintain pool surfaces with a long lasting finish.

	Item #	Description
	390	White, Gallon
	395	Blue Mist, Gallon
	391	Blue Ice, Gallon
	392	Bikini Blue, Gallon
	399	Black, Gallon

Gunzite Primer

1 Gallon Yields Approximately 100-150 sq. ft.



Gunzite Primer is used as an undercoat for Poxolon or Zeron. This two-part primer is used over rough plaster or concrete. Gunzite's high viscosity acts as a fill coat that provides a smooth surface. It is effective on sandblasted surfaces.

Item #	Description
216	Gunzite Primer, Gallon

Solvent - Paint Thinner

Kelley Technical Coatings Solvent and Paint Thinner have two variations. One is designed for use with Zeron and Poxolon epoxy pool paints and the other is used for Rubber based paint. Use in cleaning application equipment and thinning.

	Item #	Description
	1109-1G	Olympic Epoxy Solvent/Thinner, 1 gal
	1109Q	Olympic Epoxy Solvent/Thinner, 1 qt
	1108-1G	Olympic Rubber Solvent/Thinner, 1 gal
	1108Q	Olympic Rubber Solvent/Thinner, 1 qt

Diving Board Resurfacing Kit

1 Unit Resurfaces 1-8' Diving Board (Not Intended to Repair Cracks)

This kit is used to resurface old worn diving board surfaces. Each kit contains a manual and one of each: pint of solvent, textured roller cover and Convoy epoxy non-slip coating.



Item #	Description
U100	Diving Board Resurfacing Kit, White
U102	Diving Board Resurfacing Kit, Bikini Blue

MAINTENANCE & CLEANERS

LUBRICANTS

Magic Lube® Teflon

Magic Lube Teflon is a PTFE based, multipurpose sealant/lubricant for motors, o-rings, gaskets and bearings.



Magic Lube II® Silicon Lubricant

Magic Lube II is a silicon based lubricant and sealer, durable synthetic compound is non-melting and ideal for valves and other special applications that require the added protection and lubrication of silicone, such as chlorinators.



Magic Lube® Green











Magic Lube Green is specially formulated to do the job of an all-purpose pool and spa lubricant/sealant, providing optimum results. It stays on o-rings longer, providing greater protection.



Item #	Description	Item #	Description	Item #	Description
631	Magic Lube® Teflon, 5 oz	651	Magic Lube II® Silicone Lubricant, 5 oz	640	Magic Lube® Green, 3 oz

CLEANING & MAINTENANCE ACCESSORIES

Leaf Rakes & Skimmers

Item #	Description	Item #	Description
 PS173	Leaf Rake Tube Frame w/ Net Squeegee	 PSBKSKM	Black Knight Leaf Skimmer 17" Frame w/ Standard Net
 820N	Leaf Rake Pro 18" Net, Aluminum Frame	 PS087	Leaf Skimmer Poly Net w/ Aluminum Frame & Handle
 PS160	Leaf Rake 18" Heavy Duty Nylon Deep Pocket w/ Aluminum Frame & Handle	 PS171	Leaf Skimmer Nylon w/ Aluminum Frame
 PS172	Leaf Rake 18.5" Aluminum Tube Frame	 PS146	Leaf Skimmer w/ Poly Net & 4" Aluminum Pole
 PS990	Leaf Rake 20" w/ HD Net, Black/Blue	 R121026	Leaf Skimmer Aluminum Handle, ABS Molded, No. 119

Brushes

	Item #	Description
	PS495	24" Aluminum Back Brush w/ Nylon Bristles
	PS170	18" Aluminum Back Brush Combo Nylon Mixed w/ SS Bristles
	PS025	18" Aluminum Back Wall Brush w/ Nylon Bristles
	PS200	18" Aluminum Back Wall Brush with Polypropylene Bristles
	PS166CB	18" Curved Wall Brush w/ ABS Body & Polypropylene Bristles
	R111616	6" Algae Brush, Stainless Steel, Aluminum Back, No. 604A
	R111626	9" Algae Brush, Stainless Steel, Aluminum Back, No. 709
	R111646	18" Algae Brush, Stainless Steel, Aluminum Back, No. 718








Rust Stone



Rust Stones are an easy to use stain remover. They eliminate most types of stains and deposits including: rust, calcium scale, calcium deposits and many other stains. The Rust Stone can be attached to any standard tele-pole or used by hand.

Item #	Description
PS383CB	Rust Stone on Quick-Clip Handle, ABS Body

Poles & Accessories

	Item #	Description
	PS132S	8' – 16' Telescopic Pole w/ Ribbed Outer Lock
	PS232Y	8' – 16' Telescopic Pole, Fiberglass
	R191090	12' – 24' Telescopic Pole, Aluminum w/ Metal Inner Cam Lock, No. 812-24
	R191306	8' – 15.5' Telescopic Pole, Aluminum w/ Outer Lock E-Z Cam, No. 806-16
	R221042	Metal Wall Hangers w/ Screws, 2/pk, No. 143
	R221036	Plastic Wall Hangers w/ Screws, 2/pk, No. 145
	R22001	Delrin Y Spring Clip, No. 170

Pool Block® Pumice Stone

A pumice stone is a coarse stone that can be used on ceramic tile or concrete surfaces to rub away both types of scale. It is very effective, but wears quickly. To prevent scratching, keep both the pumice stone and the surface you are cleaning wet at all times.



Item #	Description
PB-12	Pool Block® Pumice Stone, Large

MAINTENANCE & CLEANERS

PORTABLE CLEANERS & ACCESSORIES

Sta-Rite® Gasoline Engine Pump



The Sta-Rite Gasoline Engine Pump is a 3 hp pump with a 6" cast iron hair strainer and basket and features 2" suction and discharge. It includes a handle cart, 1/4" discharge hose, fittings and clamp.

The Scamp



The Scamp is a top-of-the-line self-priming pump, fitted with a 15 Amp GFI and mounted to a stainless-steel cart. The Scamp is supplied with a certified 3/4 hp pump and 75 sq. ft. cartridge filter. It is the perfect tool for pool service professionals.

Item #	Description
STA3HPGAS	Portable Gas Vacuum without Filter

Item #	Description
725SCAMP	Portable Electric Vacuum with Cart & Filter. Includes discharge hose and 1 1/2" barbed fitting.
AL726	Cart Only for 725SCAMP Model Vac

Fittings & Accessories



Item #	Description
SCAMPKIT150	Discharge Hose and 1 1/2" Barbed Fitting.

SCAMPKIT200	Discharge Hose and 2" Barbed Fitting.
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17530	Replacement Cartridge for Scamp
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17516	Replacement Cartridge for Scamp Hayward Model
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Harmsco® Vacuum Replacement Cartridges



Item #	Description
ST105	Harmsco®, 105 sq. ft. Cartridge

ST155	Harmsco®, 155 sq. ft. Cartridge
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Zodiac SpaWand®



Item #	Description
5-500-00	Zodiac SpaWand®, Pro-Yellow Pastic



5-400-00	Zodiac SpaWand®, Blue Plastic
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5-300-00	Zodiac SpaWand®, Pro XL Extended
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12" x 18" Portable Pump Cart With Curved Handle and Two Legs. Made of 18 Gauge Steel and Electrostatically Painted Blue with Non-Corrosive Wheels

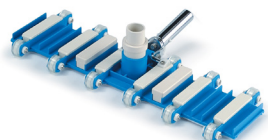
Item #	Description
AL710	12" x 18" Portable Pump Cart
AL710SS	12" x 18" Stainless Steel Portable Pump Cart

Vacuum Heads

Pentair ProVac® 22"

Commercial Model Vacuum Head with Metal Swivel Handle, Ball Bearing Wheels and Stainless Steel Shaft, Model #222

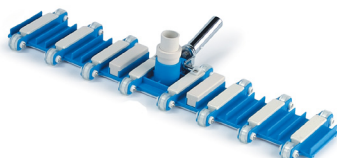
Includes 1½" Vac Hose Swivel Connections



Pentair ProVac® 29"

Commercial Model Vacuum Head with Metal Swivel Handle, Ball Bearing Wheels and Stainless Steel Shaft, Model #229

Includes 1½" Vac Hose Swivel Connections



PoolStyle 14"

Classic Series Deluxe Flexible Vacuum Head with Flex Bearing Wheels and Metal Handle



Item #	Description	Item #	Description	Item #	Description
R201286	Pro-Vac® 22" Commercial Model Vac Head	R201296	Pro-Vac® 29" Commercial Model Vac Head	PS302	PoolStyle 14" Classic Series Deluxe Flexible Vacuum Head

HEAVY-DUTY COMMERCIAL VACUUM HOSES

Vacuum Hose

Our Vacuum Hoses with their dual-profile construction and tough outer shell, make them the perfect hose for any job or environment. They're flexible web allows for easy movement around the pool.



Features

- Built to last
- This hose was made with the professional service technician in mind
- Engineered for flexibility, strength, optimal flow characteristics and is protected against UV and chemicals
- Swivel cuff prevents twisting, kinking or tangling
- White/black color scheme

Item #	Description
DL35/2	1½" x 35' with One Swivel End, 766085
DL40/2	1½" x 40' with One Swivel End, 766209
DL50/2	1½" x 50' with One Swivel End, 766210
DL75/2	1½" x 75' with One Swivel End, 772568
IH50/2	2" x 50' with One Swivel End, 772198
IH75/2	2" x 75' with One Swivel End, 768942

Hose Accessories



Item #	Description
R221046	Hose Hanger

Discharge Hose



Item #	Description
1TPOLYB150	1½" PVC Polyflo Reinforced
1TPOLYB200	2" PVC Polyflo Reinforced

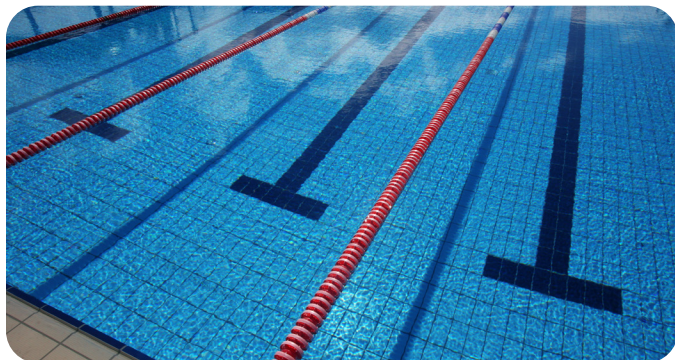
DOLPHIN WAVE POOL CLEANERS



Dolphin Wave pool cleaners are the worlds' #1 robotic pool cleaning brand. They are the most reliable and deepest cleaning option. These commercial robots make maintaining your facility a breeze. Dirty pools are simply no match for a Dolphin. They will keep your facility clean and guests coming back!

Features

- **Easy to Use and Easy to Maintain**
Just plug-in, press power and go. When finished, just open, remove and rinse the filters clean.
- **CleverClean™ Technology**
Unlike competitor cleaners that use random patterns to clean the pool floor, Dolphins use CleverClean™ Smart Navigation to ensure complete pool coverage.
- **Return on Investment**
Deep cleaning, reliable cleaners designed for heavy-duty use and the saving can return your initial investment in a matter of months.
- **Durable Tracks and Dual Scrubbing Brushes**
Durable tracks and dual scrubbing brushes create the friction needed to remove leaves, dirt and debris on the floor - leaving your pool sparkling clean.
- **Remote Control Included**
All Dolphin Wave Line pool cleaners are remote ready. The remote control allows you to easily spot clean any pool problem areas.
*Wave 60 remote sold separately
- **Easy Access to Cleaning**
Top Access Models allow for quick and simple filter cleaning that reduces maintenance and maximizes cleaning.
- **Large Capacity for Heavy Duty Dirt Collection**
Their large capacity fine and ultra-fine filters ensure a clog-free operation that removes leaves, dirt, debris and algae.



Dolphin Wave 60



Item #	Description
99991060-US	Wave 60 Pool Cleaner Ideal for Pool Sizes Up to 50 ft Cleaning Coverage: Floor, Walls, and Waterline Cable Length: 60 ft, Number of Brushes: 2

Dolphin Wave 80



Item #	Description
99991080-US	Wave 80 Pool Cleaner Ideal for Pool Sizes Up to 68 ft Cleaning Coverage: Floor, Walls, and Waterline Cable Length: 78 ft Number of Brushes: 3 (1 active)

Dolphin Wave 100



Item #	Description
9999096X-USW	Wave 100 Pool Cleaner Ideal for Pool Sizes Up to 88 ft Cleaning Coverage: Floor, Walls, and Waterline Cable Length: 98 ft, Number of Brushes: 2

Dolphin Wave 120








Dolphin Wave 140



Item #	Description
9999359-W120	Wave 120 Pool Cleaner Ideal for Pool Sizes Up to 121 ft Cleaning Coverage: Floor, Walls, and Waterline Cable Length: 131 ft, Number of Brushes: 4

Item #	Description
99997140-US	Wave 140 Pool Cleaner Ideal for Pool Sizes Up to 127 ft Cleaning Coverage: Floor Only Cable Length: 137 ft, Number of Brushes: 2

DOLPHIN WAVE POOL CLEANER PARTS

	Item #	Description	WAVE 60	WAVE 80	WAVE 100	WAVE 120	WAVE 140
	9995671-US-ASSY	Power Supply	✓	✓	✓		
	9995677-US-ASSY	Power Supply				✓	
	99956027US-ASSY	Power Supply					✓
	9985006-R2	Tracks	✓	✓	✓	✓	
	3889201	Tracks					✓

MAINTENANCE & CLEANERS

	Item #	Description	WAVE 60	WAVE 80	WAVE 100	WAVE 120	WAVE 140
	6101656-R4	Brush	✓	✓	✓		
	6101641-R2	Brush				✓	
	9982477	Brush					✓
	9982428	Side Brush					✓
	6101611	Climbing Rings	✓	✓	✓	✓	
	3884997	Guide Wheel Pulley	✓	✓	✓	✓	
	3883645	Drive Pulley	✓	✓	✓	✓	
	9982483	Bearing					✓
	5581411	Wave Belt T10					✓
	5581410	Wave Belt					✓
	9995266-R1	Impeller	✓	✓			
	9995269	Impeller			✓	✓	

MAINTENANCE & CLEANERS

	Item #	Description	WAVE 60	WAVE 80	WAVE 100	WAVE 120	WAVE 140
	9981044	Impeller Tube			✓		
	9995071-ASSY	Impeller Tube				✓	
	9991428-ASSY	Fine Filter Complete	✓	✓			
	9991427-ASSY	Ultra Fine Filter Complete	✓	✓			
	9991433-R4	Fine Filter Panels (Set of 4)	✓	✓			
	9991432-R4	Ultra Fine Filter Panels (Set of 4)	✓	✓			
	99954308-R1	Fine Filter Bag			✓	✓	
	9995430-R1	Ultra Fine Filter Bag			✓	✓	
	9981430-R2	Filter Bag Clips			✓	✓	
	6203703	Filter Screen			✓	✓	
	9991474	Fine Filter 100 Micron					✓
	9991473	Fine Filter 50 Micron					✓

MAINTENANCE & CLEANERS

	Item #	Description	WAVE 60	WAVE 80	WAVE 100	WAVE 120	WAVE 140
	9991471-ASSY	Filter Canister Whole					✓
	5581007	Wheel Shaft			✓		
	5583059	Washer			✓		
	9995550	Bottom Lid Assembly			✓	✓	
	9995892	Bottom Lid Assembly Kit			✓	✓	
	9995721	Handle			✓		
	99957049-ASSY	Handle				✓	
	9995422G-R1	Remote Control	✓	✓	✓	✓	
	99954124-ASSY	Remote Control					✓



Most common Dolphin Wave Cleaner parts are shown.
Additional parts are available.
Please call for a quote.

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630-771-1310
orders@aquapure-il.com



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SPECIALISTS**

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FEDERAL & STATE REGULATION AGENCIES & STANDARDIZATIONS

Federal Regulations

Below is a listing of pool & spa industry regulations and standards that can be valuable when searching for the requirements to prepare and manage a public facility.

Federal and State agency regulations are regulatory or have laws that may apply to swimming pool and spa facilities. These are just a few of the regulatory agencies that govern in part or whole.

Illinois Department of Public Health (IDPH)

Illinois Department of Public Health requires the state's 3,500 swimming facilities to meet water quality and safety standards, including engineering design standards that apply to pools, spas, water supplies, bather preparation areas, and water treatment systems. The Department enforces these rules and regulations through plan approvals and inspections.

Centers for Disease Control & Prevention (CDC)

Promote health and quality of life by preventing and controlling disease, injury and disability. The CDC has a prime concern with regard to aquatic facilities due to Recreational Water Illness (RWIs).

Consumer Product Safety Commission (CPSC)

The U.S. Consumer Product Safety Commission (CPSC) protects the public from unreasonable risks of serious injury or death from products that pose a fire, electrical, chemical, mechanical hazards or injury to children. CPSC guidelines include Safety Barrier Guidelines, Entrapment Hazards and Evaluation of Pool Alarms.

Department of Justice

Americans with Disabilities Act (ADA) is administered by the Department of Justice (DOJ). Facility management must have expert advice from the facility's legal counsel and insurance carrier on matters concerning ADA. ADA Standards Chapter 2, Section 242: Swimming Pools, Wading Pools and Spas. The 2010 ADA Standard can be downloaded <https://www.access-board.gov/ada/index.html>

Occupational Safety & Health Administration (OSHA)

Occupational Safety & Health Association's (OSHA) mission is to save lives, prevent injuries, and protect the health of America's workers. The basic goal of a Hazard Communication Standard is designed to ensure facts about hazards and protective measures are distributed to workers and employers. Communication about chemicals is distributed through Safety Data Sheets that are now formatted to the Globally Harmonized System (GHS).

Environmental Protection Agency (EPA)

Protect human health and safeguard the natural environment. The EPA has many regulations that can affect and guide the pool operator. Labels use signal words to show how toxic or unsafe a product can be. Labels also provide information about proper chemical dosage, storage, disposal and proper methods of empty container disposal. The pool operator must be aware of the safety data on labels and follow the label's instructions.

Standardization Agencies

Standards serve as guidelines to the pool operator, organizations that create standards include:

- Association of Pool and Spa Professionals (APSP) is a private non-profit organization that directs and coordinates the U.S. voluntary standardization and conformity assessment system that pertain to public pools, spas, as well as model barrier code. Technical information, including the Workmanship Standards, the Water Treatment & Chemical Information Bulletins, the Loss Control Manual and many consumer safety brochures.
- American National Standards Institute (ANSI) is a non-profit organization that directs and coordinates the U.S. voluntary standardization and conformity assessment system.
- World Health Organization (WHO) guidelines on hazards which have the potential to contribute to drowning or spinal injury, microbiological hazards and exposure to chemicals.
- Chlorine Institute works with the government to promote the use of current science and technology to create rules that improve the chlor-alkali industry and serve the public.
- NSF International (NSF) has a pool and spa equipment program that works with a voluntary standard (NSF/ANSI Standard 50) that represents a consensus of manufacturers, users and regulatory agencies. The NSF certification mark on a pool, spa or hot tub system part confirms that NSF has assessed—and certified—its conformity with the relevant section of the NSF/ANSI standard 50. Illinois is a state requiring the use of and adherence to the NSF/ANSI Standard 50.
- ASTM International (ASTM) standards serve the basis for manufacturing, procurement and regulatory activities
- Underwriters Laboratories (UL) safety testing and certification organization
- National Fire Protection Association's (NFPA) mission is to reduce fire and other hazards by providing and advocating consensus codes and standards, research, training and education.

There are other organizations, this list is limited. It is advised to seek legal counsel, if any regulation or standard is questioned.



Safe Handling Procedures

When handling swimming pool/spa chemicals or equipment, be sure to protect yourself. Consult the chemical manufacturer's safety instructions as well as the SDS for guidance on the appropriate personal protective equipment (PPE) necessary to protect yourself. Use basic PPE including as a minimum: chemical goggles and liquid impervious gloves and boots for any chemical handling activities.

Dosage To Treat 10,000 Gallons

These commonly accepted chemical parameters do not supersede manufacturer's instructions. Always consult product labels for specific directions as to chemical adjustments.

Chemical amounts have been rounded off for convenience.

Always follow the instructions on the manufacturer's label for exact dosage amounts.

Dosage To Treat	10,000 Gallons		
Chemicals	Desired Change		

Increase Chlorine	1 ppm	5 ppm	10 ppm
Calcium Hypochlorite (67%)*	2 oz	10 oz	1.3 lbs
Sodium Hypochlorite (12%)	10.7 fl oz	1.7 qts	3.3 qts
Dichlor (62%)	2.1 oz	10.75 oz	1.3 lbs
Dichlor (56%)	2.4 oz	12 oz	1.4 lbs
Trichlor	1.5 oz	7.5 oz	14 oz

*Other calcium hypochlorite products are available from 47-78%. Remember to follow the label directions for dosage amounts.

Increase Total Alkalinity	10 ppm	30 ppm	50 ppm
Sodium Bicarbonate	1.4 lbs	4.2 lbs	7.5 lbs

Decrease Total Alkalinity	10 ppm	30 ppm	50 ppm
Muriatic Acid (31.4%)	26 fl oz	2.4 qts	1 gal
Sodium Bisulfate	2.1 lbs	6.4 lbs	10.5 lbs

Increase or Decrease pH	Follow Taylor Test Kit instructions to lower or raise pH using the Acid or Base Demand Test.
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Increase Calcium Hardness	10 ppm	30 ppm	50 ppm
Calcium Chloride (77%)	1.2 lbs	3.6 lbs	6.0 lbs

Increase Stabilizer	10 ppm	30 ppm	50 ppm
Cyanuric Acid	13 oz	2.5 lbs	4.1 lbs

Neutralize Chlorine	1 ppm	5 ppm	10 ppm
Sodium Thiosulfate	2.6 oz	13 oz	26 oz

Recommended Guidelines for Water Quality

These commonly accepted water chemical parameters do not supersede local or state code regulations. Always refer to your local ordinance code and state code for water quality regulations.

Recommended Guidelines for Water Quality				
Parameter	Min	Ideal	Max	Pool Type
Free Chlorine	1.0	2.0 - 4.0	5.0	Pools, Waterparks
	2.0	3.0 - 5.0	10.0	Spas
Combined Chlorine	0	0	0.2	Pools, Waterparks
	0	0	0.5	Spas
Total Bromine	2.0	4.0 - 6.0	10.0	All Types
pH	7.2	7.4 - 7.6	7.8	All Types
Total Alkalinity	60	80 - 100* 100 - 200**	180	All Types

* Range for alkalinity with use of disinfectant of calcium hypochlorite or sodium hypochlorite

** Range for alkalinity with use of disinfectant of dichlor or trichlor

Calcium Hardness	150	200 - 400	1,000	All Types
Total Dissolved Solid	N/A	N/A	1,500	All Types
Cyanuric Acid (ppm)	N/A	30 - 70	N/A	All Types
Iron, Copper, Mn (ppm)	N/A	0	N/A	All Types
Nitrates (ppm)	N/A	0	N/A	All Types
Phosphates (ppb)	N/A	<1,000	N/A	All Types
Borate (ppm)	N/A	50	N/A	All Types

SOURCE WATER TEST & TREATMENT GUIDE



FACILITY: _____

Source water test results will guide an operator in the treatment of the swimming pool or spa water to achieve a blue-white color, almost sparkling in appearance. The source water dictates the water balance adjustments, and our specialty products will be used to maintain and preserve the water.

The proper treatment of the water balance factors and routine maintenance will further polish and enhance the water clarity, preserve equipment, all the disinfection chemicals to work more efficiently, and increase the swimmers' enjoyable experience at your facility.

SOURCE WATER TEST RESULTS

Alkalinity		pH		Calcium Hardness		Total Dissolved Solids	
Copper		Iron		Manganese		Phosphate	
Nitrates		Borate		Cyanuric Acid		Chlorine Free ppm	
						Chlorine Total ppm	
						Chlorine Combined ppm	

TREATMENT PROCESS TO PROPERLY BALANCE WATER:

The sequence of adding chemicals to make the adjustment for properly balanced water should be total alkalinity first, followed by pH, and calcium hardness third.

COLORED WATER TREATMENT:

Pool and spa water should have a blue-white color, almost sparkling in appearance. Oxidized metals in the water can lead to colored, translucent water and can even stain the pool and spa wall surfaces. The use of sequestering and chelating agents bind these metals and help remove them from water or prevent them from staining. These should be used on a routine basis for facilities that have high levels of copper, iron and manganese in the water.

TREATMENT METHODS FOR START-UP: _____

PHOSPHATES & NITRATES:

Phosphates and nitrogen are two naturally occurring elements in nature. Phosphorous is a mineral and nitrogen is a gas. In nature, they don't cause or contribute to pool problems. However when they are "added" to the pool water, problems can arise. Phosphate levels in pool/spa water increase over time from the introduction of source fill water that contains some phosphate, lawn products, and naturally from bathers in the form of dead skin cells, dead hair, dead leaves or grass, and urine. Treatment may be necessary if either of these elements rise over the prescribed amount.

CHLORINE, CHLORAMINES:

If your local water supplier is using chlorine or chloramines to sanitize the water, then large amounts of ammonia and therefore nitrogen are getting into the water. Algae loves both nitrogen AND phosphates (phosphorous). Continual treatment of chloramines is necessary.

ROUTINE TREATMENTS: _____

GALLONS OF WATER: _____

DOSAGE CHEMICAL & AMOUNTS

Parameter	Adjustment Needed	Chemicals to Use	Start-Up Dosage	Routine Dosag - Frequency
Alkalinity	Yes <input type="checkbox"/> No <input type="checkbox"/>			
Calcium	Yes <input type="checkbox"/> No <input type="checkbox"/>			
pH	Yes <input type="checkbox"/> No <input type="checkbox"/>			
Minerals	Yes <input type="checkbox"/> No <input type="checkbox"/>			
Phosphates	Yes <input type="checkbox"/> No <input type="checkbox"/>			
Chloramines	Yes <input type="checkbox"/> No <input type="checkbox"/>			
Enzyme	Yes <input type="checkbox"/> No <input type="checkbox"/>			

Always follow manufacturers labels, safety instructions and refer to SDS for safe handling procedures.

Service Division

Qualifications

- Illinois Department of Public Health Pre-Qualified Pool Contractor for Swimming Facilities.
- Member of the Pool and Hot Tub Alliance, holding certifications for Pool Operator, Service Maintenance and Service Technician.
- Distributor, authorized seller, and installer for industry manufacturers.
- Collaborate with architects, engineers, and industry professionals.

Services Offered

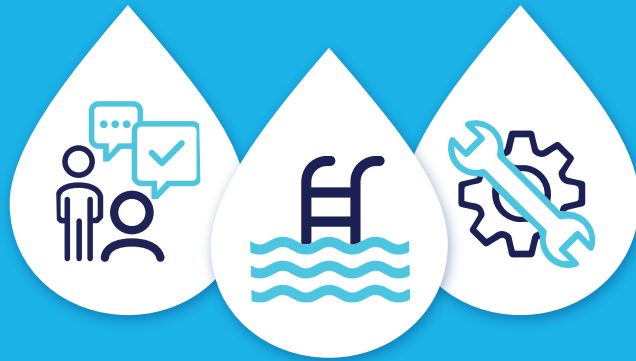
- Repairs
- Equipment Replacement
- Maintenance
- Preventive Maintenance
- Troubleshooting
- Training
- Renovation
- Permit Construction Process
- Installation
- Consultation
- Technical Support
- Warranty

We Service Everything We Sell

**PREMIER
AQUATIC
SPECIALIST**



**AQUA
PURE**



OUR COMMITMENT TO YOUR SUCCESS

We are devoted to providing your team with solutions for their aquatic needs to create superior swimming pool water.



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