

POOL SUPPLIES, EQUIPMENT & SERVICES

IN THE CHICAGO AREA



CHEMICALS • CHEMICAL FEED SYSTEMS • TEST KITS • MECHANICAL EQUIPMENT • MEASURING DEVICES
DECKS/LIGHTS/SAFETY • MAINTENANCE & CLEANERS

630.771.1310 • WWW.AQUAPURE-IL.COM

CELEBRATING

30
YEARS

ABOUT US

THE SOLUTION PROVIDER

Celebrating 30 Years!

Aqua Pure Enterprises, Inc. (Aqua Pure) is thrilled to announce the celebration of our 30 years within the aquatic industry. With the help of our loyal customers, and our dedicated employees, we are fortunate to celebrate our 30th year in business as we continue to plan for the future. Thank you all for your support and for believing in our vision. This truly has been instrumental in our pursuit of remaining an industry leader that provides the services and support for your success and ours.

Brief History

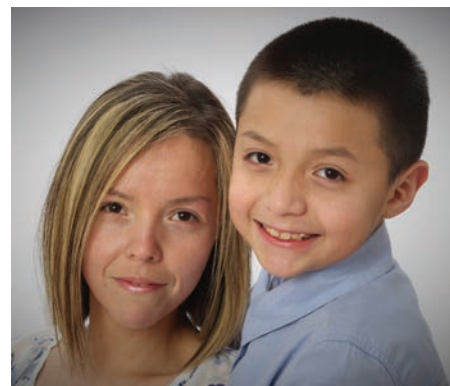
Established in 1988 by the founders of Aqua Chemical, Inc., Harold and Sharon Todner began the family business delivering bulk chemicals to aquatic facilities and soon recognized a need for technical support and sales for their customers. As a result, with our continuous commitment to providing excellent service in this field, Aqua Pure began offering technical assistance, training, product sales and services. Today, we continue to provide all of that and more as the industry leader in the Chicagoland area.

Company Overview

At Aqua Pure, we take pride in providing full service for everything that we sell. In addition, we offer each customer an assigned Regional Sales Representative for technical support and training. Our Service Division is prequalified by the Illinois Department of Public Health and we ensure that all installations and repairs are conducted with excellence. Additionally, our deliveries are made by our Hazardous Material trained drivers and all of our operations are run directly through our internal customer representative team.

In Memoriam

During this past year, Aqua Pure lost a valuable employee unexpectedly. Known to many as Lucy, Ms. Lucero Ortiz was a dedicated employee who provided exceptional service and who touched the hearts of many through her genuine kindness. Lucy leaves behind a son, Louie, who was the focus of her world. As a tribute to Lucy, a GoFundMe account has been created for her son in order to help him with his future educational needs. If you would like to donate, you may find this site at gofundme.com/future-for-louie-we-can-help-shape



TERMS & CONDITIONS

PRICING – Prices are subject to change due to current market conditions. All prices, discounts and quotations are subject to change without notice and will be effective at the time of delivery. Sales are subject to state and local sales tax. All tax exempt customers must provide proof of exempt in writing.

CREDIT CARD PAYMENTS – We accept Visa and MasterCard. Any payment made by credit card of \$2,500.00 or more will incur a 3% surcharge charge.

TERMS – Net 30 days to accounts with established credit. If credit is not established, all sales are C.O.D. or prepaid. Accounts are considered past due if payment is not received within 30 days following date of the invoice. A penalty of 1.5% per month with a minimum of \$1.00 service charge will be applied to past due accounts. Delinquent accounts in excess of 30 days will be shipped C.O.D. and previous balance must be paid in full. Any collection costs for delinquent accounts incurred by Aqua Pure Enterprises, Inc. (Aqua Pure) including legal fees, will be paid by customer.

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. Hold containers and contents for inspection in as close to the same condition as they were in when the loss or damage was discovered. If the report is not made within 7 days after the delivery the burden of proof will shift to you, the consignee, and it will then be your responsibility to prove that the loss or damage did not occur after the delivery of 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.

WARRANTY – Products carry manufacturer warranties and their warranties are the sole responsibility of the manufacturer.

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 with information provided by the purchaser. Purchaser to verify the description and part number. Special order items and electrical items cannot be returned and the item(s) and shipping are non-refundable.

PROPOSAL TERMS & INFORMATION – Quote pricing is valid for 30 days from the date on the proposal. If the proposal is not accepted within 30 days, Aqua Pure may withdraw the proposal. If quantities change, pricing is subject to change.

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.

Many other products can be requested, just contact us with a manufacturer name and part number.

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INFORMATION

BALANCED WATER is the correct ratio of certain mineral content, pH, temperature and total dissolved solids that prevent water from being corrosive or scale forming. Proper balancing of the pool water should be done upon first filling of the pool and then routinely. The correct ratio of balanced water parameters will preserve equipment and pool surfaces, optimize the disinfection process and provide a more enjoyable swimming experience for the pool/spa users.



As a water balance factor, pH has the most impact on properly balanced water and bather comfort. The ideal range is 7.4–7.6. This allows for bather comfort, disinfectant efficiency and preservation of equipment. pH is a measure of how acidic/basic water is. Low pH indicates the water is acidic, can cause etching of plaster, metals and equipment. If after treatment pH remains low, an alkalinity test should be performed to determine if an adjustment must be made. Higher pH indicates the water is basic. This can cloud water by causing minerals to fall out of solution, cause rash and irritation to skin contact and eye contact. If after treatment pH remains high or creeps up, test the alkalinity and adjust accordingly. High alkalinity will cause pH lock.

PH

The pH is affected by virtually everything that is added to the water: source water, bathers, disinfectant and atmosphere. There are multiple products available to make adjustments to the pH, each with their own advantages. Depending on your source water's pH, alkalinity and the disinfectant used, one product may adjust the pH more efficiently than another. Aqua Pure Enterprises, Inc. can assist you in making the right choice for your facility. Performing an analysis of the source water, discussion of the tendencies of the water balance, knowing the disinfectant, if cyanuric acid is used and depending on the type of pool/spa, Aqua Pure can make recommendations for the "right" pH adjuster.

SATURATION INDEX

The swimming pool industry has adopted a modified version of the saturation index as written by Wilfred F. Langelier, a professor of Civil Engineering at the University of California–Berkeley, "The Analytical Control of Anti-Corrosive Water Treatment" quantified the corrosive potential of water. Each Water Balance Value is measured and then assigned a Factor, added together and then subtracted for the Total Dissolved Solid (TDS) Factor. The water balance factors are: pH, total alkalinity, calcium hardness, temperature and total dissolved solids. Publications providing in-depth details of the saturation index are available. The Taylor Industries Pool & Water Chemistry booklet, National Swimming Pool Foundation, Pool & Spa Operator® Handbook are just a few. Aqua Pure Enterprises, Inc. offers Certified Pool & Operator training several times a year, covering the Saturation Index and Water Balance. Each Regional Sales Representative is available to perform the Saturation Index and review the best solution for proper water balance at your facility. Contact us for more details at 630-771-1310.

IDEAL RANGES

Maintaining "Ideal Ranges" for all water balance factors, will always allow for balanced water, preventing water balance upsets and shut-downs.

For facilities using disinfectants higher in pH, an alkalinity level of 80–100 ppm is optimum. Disinfectants with a lower pH, an alkalinity of 100–120 ppm should be maintained. If your source water starts with a high alkalinity level, reduction of alkalinity is essential to balance the water and stop the pH from becoming locked. Those using a calcium based disinfectant can adjust the alkalinity, based on the calcium levels to maintain an equilibrium to maintain the calcium carbonate in solution. This would allow the facility to maintain a lower alkalinity as calcium hardness increases; calcium of 400 ppm, 80 ppm alkalinity, calcium of 600 ppm, target alkalinity 60 ppm. If calcium hardness reaches 800 ppm, care must be taken to keep the water in equilibrium. If calcium hardness reaches 1,000 ppm flushing of the water and introduction of water with a lower calcium hardness would be the best solution.

TOTAL ALKALINITY

Total alkalinity is a measure of water's resistance to change in pH. Expressed in parts per million (ppm), total alkalinity is the result of alkaline materials including carbonates, bicarbonates and hydroxide. Ideal range is 80–120 ppm. If the alkalinity is below 60 ppm, the water will experience pH bounce. If the alkalinity is above 180 ppm the pH will become locked and very difficult to lower. Using acid or base adjustments can be made.

Sodium Bicarbonate

Raises the alkalinity when added to water. Use to prevent pH bounce, staining and wrinkled liners. Ideal range 80–120 ppm. 1.4 lbs. raises 10,000 gallons of water 10 ppm.



Part #	Package	Price
12025TA	25 lb Pail	\$33.69

Part #	Package	1–3	4–9	10+
SBC050	50 lb Bag	\$33.69	\$31.79	Call for Quote
SBC050P	50 lb Pail	\$53.09	\$49.69	Call for Quote

CALCIUM HARDNESS

Calcium hardness is present naturally, due to the leaching process that occurs in nature. In pool water, it is easier to lower the pH or total alkalinity than the calcium hardness. If the value is left too low, the water will become aggressive or corrosive to plaster or concrete surface, grout and metals. The ideal range is 200–400 ppm. If the source water or disinfectant by-product causes calcium to raise above the ideal range adjustments may be taken to maintain lower total alkalinity and pH level to avoid scale. Additionally either a sequestering agent or chelating agent can be added to protect the water from scale forming.

Calcium Increaser

Calcium chloride raises the calcium hardness when added to water. Use to prevent adverse effects from low calcium hardness. Ideal range 200–400 ppm. 1.2 lbs. (77%) raises 10,000 gallons of water 10 ppm.



Part #	Package	Price
12025CH	25 lb Pail	\$40.59

Part #	Package	1–3	4–9	10+
CALCHL50	50 lb Bag	\$31.79	\$26.69	Call for Quote
CALCHL50P	50 lb Pail	\$47.59	\$44.89	Call for Quote

pH INCREASER

If your system needs or uses a pH increaser the water is considered acidic. 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.

Soda Ash

Basic, active ingredient that increases pH to correct acidic water. Refer to manufacturers label and instructions. For manual feeding, use the dilution method—make solution in a clean plastic pail and pour around the perimeter of the pool. If system has an automatic controller, disable and then enable once added and mixed. A solution tank with automation can be helpful for pools requiring pH increaser on a regular basis. In general 1 lb will increase the pH 0.3 in 10,000 gallons. A base demand test can be performed with the Taylor Test Kit for more accuracy.



Part #	Package	Price
SODASH20P	20 lb Pail	\$28.59

Part #	Package	1–3	4–9	10+
SODASH50	50 lb Bag	\$36.29	\$32.39	Call for Quote
SODASH50P	50 lb Pail	\$47.99	\$44.29	Call for Quote

pH DECREASER (PH-POTENS HYDROGEN)

If your system uses a pH decriaser (acid) the water tends to have alkali properties. Most often this is created by source water, bathes and disinfectants.

Sodium Bisulfate

Dry, granular acid that will decrease pH, when added to water. Can be measured and added directly to the water, by dilution method, or automatically feed to the pool using a solution tank and automatic feed system. A facility can make a measurable solution best for the pool or spa pH balance.



Part #	Package	1-3	4-9	10+
SBS050B	50 lb Bag	\$40.59	\$38.69	Call for Quote
SBS050	50 lb Pail	\$53.99	\$50.79	Call for Quote
SBS400	400 lb Drum	Call for Quote		

Advantage pH Down

Liquid acid made of sodium bisulfate. Pre-dissolved, a safer, less corrosive pH solution. 32% strength. Available in 5, 15 and 55 gallon containers and mini-bulk delivery.

Part #	Package	1-3	4-9	10+
APHD05	5 gal Carboy	\$34.99	\$32.89	Call for Quote
APHD15	15 gal Drum	\$65.99	\$63.09	Call for Quote
APHD55	55 gal Drum	\$198.99	\$193.19	Call for Quote
APHDBLK	Mini-Bulk	Call for Quote		

Part #	Package	Deposit
APHD05DP*	5 gal Carboy	\$20.00
APHD15DP*	15 gal Drum	\$40.00
APHD55DP*	55 gal Drum	\$60.00

*Deposit required

**Acid Magic®**

A muriatic acid (hydrochloric acid) replacement that is safer with 90% less fumes than traditional muriatic acid. It won't burn intact skin. It is equivalent in performance to full strength 20° Baume, 31.45%, muriatic acid. It is used for pH reduction, alkalinity reduction, acid washing pools and concrete. Many other uses: cleaning filters, probes, shower facilities, locker rooms, bath rooms, removal of rust, scale and mineral build up. Acid Magic® has many uses, can be used full strength or diluted up to 20.1 depending on the task. Refer to the instructions on the label as a general guide. Always refer to SDS for safety regulations.

Part #	Package	1-3	4-9	10+
USA/128-1	1 gal Case (4)	\$42.39	\$41.09	Call for Quote
USA/5G-1	5 gal Carboy	\$59.49	\$55.39	Call for Quote
USA/15G-1	15 gal Drum	\$162.09	\$153.69	Call for Quote
USA/55G-1	55 gal Drum	\$385.49	\$370.19	Call for Quote
USA/BLK	Mini-Bulk	Call for Quote		

Part #	Package	Deposit
USA/5G-1DP*	5 gal Carboy	\$20.00
USA/15G-1DP*	15 gal Drum	\$40.00
USA/55G-1DP*	55 gal Drum	\$60.00

*Deposit required

**pH DECREASER****pH Balance (18%)**

18% Specially premixed muriatic acid aka hydrochloric acid. Not as caustic or corrosive as 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. Can also be used for alkalinity reduction. Always refer to SDS for safety regulations.



Part #	Package	1-3	4-9	10+
PHBAL/55	55 gal Drum	\$244.99	\$233.49	Call for Quote
PHBAL/BLK	Mini-Bulk	Call for Quote	—	—

Part #	Package	Deposit
PHBAL/55DP*	55 gal Drum	\$60.00

*Deposit required

Muriatic Acid (31-32%)

A strong inorganic acid. Chemical name hydrochloric acid (HCL) is dangerous yet useful. 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.



Part #	Package	1-3	4-9	10+
HCL4/1	1 gal Case (4)	\$32.49	\$29.49	Call for Quote
HCL005	5 gal Carboy	\$42.89	\$39.59	Call for Quote
HCL015	15 gal Drum	\$72.09	\$69.89	Call for Quote
HCL055	55 gal Drum	\$162.69	\$159.49	Call for Quote
HCLBLK	Mini-Bulk	Call for Quote		

Part #	Package	Deposit
HCL005DP*	5 gal Carboy	\$20.00
HCL15DP*	15 gal Drum	\$40.00
HCL55DP*	55 gal Drum	\$60.00

*Deposit required

CO₂ Carbon Dioxide

A gas under pressure and when mixed with water produces carbonic acid, a fairly mild acid which acts to reduce pH of the water. CO₂ is automatically dispensed in line with a regulator and diffuser activated by the automatic 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. The addition of bicarbonate may increase alkalinity, causing a need to reduce the alkalinity.



Part #	Package/Description	Price
CO2	50 lb Cylinder	\$53.79
CO2RENT	Monthly Rental	\$10.39
DELIVERY	Delivery Fee	\$37.99
HAZMAT	Hazardous Material Handling per Delivery	\$8.69
FS	Fuel Surcharge	\$10.69



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

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/spas may necessitate the addition of problem solving chemicals to remedy problem causing conditions to regain sparkling healthy water.

ProTeam® Metal Magic

Removes metals and stains caused by iron, copper, silver and manganese in pool water. Can help prevent staining and scale build up. Protects plumbing when used on a regular basis. Metal Magic will remove metals in the water first, then will begin to lift stains from the pool or spa surface. Changes them into a crystal that is removed by the filtration. Clean filter, chlorine level at 1 ppm and pH 7.5 or higher. For light discoloration 1 qt per 10,000 gallons of water. If heavy staining, use instructions (Aqua Pure can assist) to perform sponge test to determine application dosage. Water may cloud. ProTeam® Microfloc Clarifier or ProTeam® Dry Clarifier will aid in the speedy removal of suspended particles. Maintenance 3 oz per 10,000 gallons weekly.



Part #	Package	Price	Price/Case
14001MMQ	1 qt Bottle	\$21.19	\$228.84/12*

*Savings of \$2.12 per quart

Rust-N-Scale

Crystallizes metals in water allowing filter to remove them from pool water. Removes stains and scale. Compatible with all filtration types. Known to decrease elevated levels of calcium hardness. Use to prevent staining and scaling, protect plumbing and equipment. For light discoloring or low metal content in water, use 1 qt per 10,000 gallons of pool water. Chlorine level should be 1 ppm or lower, water temperature above 60° F, pH 7.5–7.8. Continuously run the filter and watch the pressure. Use Haviland® Concentrated Clarifier for speedy removal of suspended metal particles in the water. Weekly 3 oz per 10,000 gallons.



Part #	Package	Price	Price/Case
14001RSQ	1 qt Bottle	\$19.39	\$209.40/12*

*Savings of \$1.94 per quart

POOL & SPA WATER PROBLEMS

Metal Wizard

WARM WATER (SPA OR THERAPY)

Chelates metal particles, prevents staining of surface and removes light stains. Higher tolerance to chlorine and temperature than Rust-N-Scale. Great for warm water therapy pools and spas. Clean filter, pH 7.5 or higher, add 1 qt per 10,000 gallons, weekly 13 oz per 10,000 gallons. Haviland® Concentrated Clarifier will aid in the speedy removal of suspended metal particles in the water.



Part #	Package	Price	Price/Case
14001MO	1 qt Bottle	\$15.99	\$172.68/12*

*Savings of \$1.60 per quart

GLB Super Sequa-Sol® Sequestering Agent

This 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. Initial Treatment (Hard Water or Metals): 20 oz per 10,000 gallons of water. After initial dosage, add 2 oz per 10,000 gallons once a week during the pool season.



Part #	Package	Price
71024	2 lb Bottle	\$25.69
71026	20 lb Pail	\$221.39

Stain Eliminator

A dry formula works extremely fast to remove staining due to copper, iron, and manganese. Removes tough metal stains from surfaces, safe and easy to use. Food grade material. Near instant results. Works together with Rust-N-Scale for maximum efficiency. Phosphate free. Great for spot stain removal. If treating the entire pool: clean filter, chlorine should be 1 ppm, pH between 7.2 and 7.6, 1 lb per 10,000 gallons of water level. After 24-hours add Rust-N-Scale 1 qt per 10,000 gallons. Maintenance continue with Rust-N-Scale, Metal Wizard, or ProTeam® Metal Magic.



Part #	Package	Price	Price/Case
14001SEQ	2 lb Bottle	\$23.29	\$251.52/12*

*Savings of \$2.33 per bottle



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 is most associated with iron, copper and manganese. The most common way these metals are introduced to the water is through the fill water.

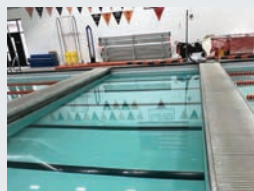
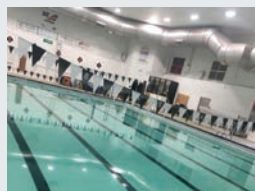
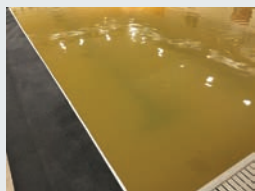
- Iron is colorless, but will almost instantly react with oxidizers to produce a rusty red color in the water or staining on the pool surface.

- Copper is a common cause of green water, introduced from the fill water or corrosion from galvanic activity in copper heaters. The galvanic action can take place in heaters where the copper coil comes in contact with a different metal such as iron. Improper use of copper algicide is also implicated in causing staining. If directions are followed properly, this will not create staining.

- 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 per manganate.
- Calcium is present naturally. As ground water comes in contact with rocks and soils containing calcium and magnesium, the "universal

solvent" dissolves these minerals in the water. Included with this process are bicarbonate, carbonate and sulfate.

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 formed.



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.

ProTeam® Polyquat**OUR BEST—MOST VERSATILE**

A specialty blend of polymeric highly concentrated algacide effective against all types of algae. Will not upset water, pH neutral, contains no metals, non-foaming. Not affected by elevated levels of sanitizer in water. Consistent use can reduce the amount of sanitizer normally required. Ideal for pools with attached spa or water features. 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.

Part #	Package	Price	Price/Case
160430PN	1 qt Bottle	\$14.39	\$155.40/12*

*Savings of \$1.44 per quart

**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.

Part #	Package	Price	Price/Case
160560PS	1 qt Bottle	\$23.69	\$255.84/12*

*Savings of \$2.37 per quart

**ProTeam® Mustard & Black Magic****MUSTARD & BLACK ALGAE**

Sodium bromide highly effective against mustard algae. EPA registered as an algae remover and chlorine exciter. Brush areas affected with visible algae accumulations, apply 4 oz per 10,000 gallons of pool water close to affected area and double the dose for stubborn algae outbreaks. Immediately apply chlorine sanitizer and bring the chlorine level up to 10 ppm. Can use liquid sodium hypochlorite or calcium hypochlorite.



Part #	Package	Price	Price/Case
16009MBG	2 lb Bottle	\$23.09	\$249.36/12*

*Savings of \$2.31 per bottle

ALGAE**Algae Kil CB7****SEVEREST ALGAE TREATMENT**

A unique copper blend provides a potent knockout to algae, triple chelated copper to prevent staining on pool surfaces. This powerful algacide easily destroys and prevents all common algae growth: green, blue/green, mustard/yellow and black. Works with pools using chlorine or bromine, non-foaming, pH neutral, no adjustment needed after application. Continuously destroys algae for days after application. Safe for swimmers. When using as a stand alone product, pool use can resume shortly after application. Adjust pH of pool water in the range of 7.2–7.6. Shocking the pool water before the addition of CB7 may be necessary if algae is stubborn or resistant. Visible algae, 4 oz per 10,000 gallons of pool water. 12 oz may be used for stubborn or resistant algae. Continuously filter for 24-hours, avoid shocking or raising pH for 72 hours after application.



Part #	Package	Price	Price/Case
160707CB	1 qt Bottle	\$20.89	\$225.60/12*

*Savings of \$2.09 per quart

Combat Extra**MOST EFFECTIVE ON ALL TYPES; GREEN, YELLOW, BLACK, PINK & WHITE MOLD. JUST THE RIGHT AMOUNT OF POLYMER, COPPER & CLARIFIER. THE ONE-TWO PUNCH.**

Quickly rids pools of resistant strands of algae, regardless of color or type with a powerful one-two punch. Polymer algacide blended with copper complex, with additional clarifiers added to speed pool recovery. Unique blended broad spectrum algacide contains an ideal amount of heavily chelated copper, non-foaming, pH neutral, will destroy all resistant strains of algae, including black. Apply product when pool is not in use and with pump running. To remove visible algae growth add an initial dose of 18–24 oz per 10,000 gallons of water. Immediately add chlorine to bring the chlorine level up to 10 ppm, use liquid sodium hypochlorite or calcium hypochlorite. Algae occurring in deep cracks or crevices may require additional scrubbing and vacuuming.



Part #	Package	Price	Price/Case
160620PC	1 qt Bottle	\$17.09	\$184.56/12*

*Savings of \$1.71 per quart

**TYPES OF ALGACIDE**

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. Must super-chlorinate when treating with Sodium Bromide and continue to check chlorine levels, until normalized.

Polymeric quat compounds have a long molecular

structure that does not cause foaming. It surrounds the cell and suffocates it. Has a broad spectrum. Best product for preventing and to kill algae. Does not foam or contain metals.

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.

INFORMATION



CLOUDY WATER: The first step to correct a cloudy water situation is to check the filtration system, the water balance and the disinfectant level. Once troubleshooting is complete and corrective measures taken, and if the cloudy water still persists, then the likely cause is microscopic suspended particles. The next step would be to use a water clarifier.

FILTER MEDIA: There are times the filter media at the facility must be checked and/or knowledge of what size micron the filter media can filter be understood. Filter media left unchecked can become dirty and clogged, thus channeling could cause unfiltered water to return to the pool or spa. A high rate sand filter can filter down to a 25 micron, whereas diatomaceous earth or perlite can filter down to a 4 micron. Then the rapid rate sand filter filters down to a 50 micron. Some filters may need assistance "clarifier" at peak time: swim meet, water programs, weekend load, park programs, etc.

Clarifier is a correction method for cloudy water to remove suspended particles. If persistent, the problem must be corrected.

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 the chlorine levels have been maintained, then the most common cause is improper filtration, insufficient water circulation or flow rate, and poor water chemistry.

Concentrated Clarifier ECONOMICAL (BEST SELLER)

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.



Part #	Package	Price	Price/Case
13001CQ	1 qt Bottle	\$14.49	\$156.48/12*

*Savings of \$1.45 per bottle

ProTeam® Dry Clarifier

For use exclusively in sand filters, increases filter efficiency by penetrating the sand with a highly effective polymer formula. The filter media can pull more particulate from the water, resulting in sparkling water. Restores water quality after heavy bather loads or heavy rains. Very small doses are required. 1 teaspoon will treat 5,000 gallons, 1 oz will treat 50,000 gallons. Product attracts all matter as small as 2 microns and captures it in the filter. Apply to filter after backwash cycle. Operate filter normally.



Part #	Package	Price	Price/Case
13002PDC	6 oz Bag	\$22.09	\$238.56/20*

*Savings of \$10.16 per quart

CLARIFIER

ProTeam® Microfloc Clarifier

BEST RESULTS REPORTS FROM CUSTOMERS

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



Part #	Package	Price	Price/Case
13PTC1Q	1 qt Bottle	\$23.79	\$256.92/12*

*Savings of \$2.38 per quart

ProTeam® Superfloc

SEVERE CLOUDINESS

(MUST FOLLOW THE DIRECTIONS ON THE LABEL)

Highly concentrated flocking agent takes cloud causing particles that are lingering in swimming pool water and forces them to collect on the pool bottom. Once on the bottom, they can be easily removed with your vacuum. Compatible with all sanitizers, works faster the cloudier the water is, can help to reduce Total Dissolved Solids (TDS) in pool water. Do not use unless you can vacuum to waste. Adjust pool pH to 7.5 or higher, with filter running in the recirculate position, use 8 oz per 10,000 gallons of pool water over the entire pool surface. Add 16 oz per 10,000 gallons for severely cloudy pools. Discontinue pump use after 1–3 hours; do not swim or allow pump to start for 24 hours. Once suspended particles fall to the bottom of pool, slowly vacuum pool to waste. Some additional settling will occur for the next 48 hours after initial application.



Part #	Package	Price	Price/Case
13004PSC	1 qt Bottle	\$23.29	\$251.52/12*

*Savings of \$2.33 per quart

Aluminum Sulfate Floc

Alum initially plugs "holes" between sand in the filter. The pH needs to be close to 7 for the alum to form the gel-like substance that will trap the dirt and particles. If the water is so cloudy that only 1–2" clarity is available, this might be a better choice than conventional clarifiers.



Part #	Package	Price
ALUMSUL	50 lb Bag	\$87.79

CERTIFIED

Aqua Pure Enterprises, Inc. (Aqua Pure) proudly presents the Certified Pool-Spa Operator CPO® Training Course through the National Swimming Pool Foundation (NSPF). 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.



i INFORMATION

FOAMING: Aeration from therapy jets can increase the foaming in a spa. However, if contaminants are allowed to concentrate, foaming similar to dish soap or laundry detergent will occur. These contaminants are very undesirable. Oxidation treatments, water clarifiers, water replacement, or cleaning of the basin and filter may be justified.

SPECIALTY CHEMICALS**Haviland® Anti-Foam**

Concentrated, biodegradable foam dispersant quickly eliminates unsightly foaming, prevents foam from starting and accumulating, will not clog filters; does not contain oils. Compatible with ALL forms of sanitization. Add a small amount, (½–1 oz) of Defoamer to the foaming areas of the water.



Part #	Package	Price	Price/Case
14004FQ	1 qt Bottle	\$15.09	\$162.96/12*

*Savings of \$1.51 per quart

ProTeam® Spa Foam Fighter

Concentrated foam eliminator immediately removes and stops foam in spas, hot tubs and fountains. Formulated with fresh scented fragrance, compatible with ALL forms of sanitization, will not clog filters; does not contain oils, biodegradable ingredients. 1 oz near foaming areas to disperse foam with pump running.



Part #	Package	Price	Price/Case
14004SFP	1 pt Bottle	\$9.39	\$101.40/12*

*Savings of \$0.94 per pint

Pool Anti-Freeze

No need to dilute, this antifreeze is ready to use. Protects down to -50°F. Protects against rust and metal corrosion. Four gallons per case, sold per gallon.



Part #	Package	Price
ANTIFRZ6	1 gal Bottle	\$5.89

CLEANING AGENTS

Products used to remove dirt, scum, 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

Professional strength, concentrated formula, will help remove oily film, scale and soil from all surfaces. A true two-in-one cleaning marvel that leaves a microscopic protective layer to decrease maintenance. Does not affect pool chemistry, easy to use, no scrubbing 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.



Part #	Package	Price	Price/Case
15002PTV	1 qt Bottle	\$17.39	\$187.80/12*

*Savings of \$1.83 per quart

CLEANING AGENTS**Spot & Stain Remover Gel**

Thick, concentrated formula will cut through most surface stains. May be used on plastic, vinyl, fiberglass, ceramic and painted surfaces. Avoid metallic surfaces. Compatible with all sanitizers. Apply to a damp sponge or brush and scrub. Heavy stains, allow product to soak on stain for 5–10 minutes before scrubbing or rinsing.



Part #	Package	Price	Price/Case
15001SSR	1 qt Bottle	\$18.79	\$202.92/12*

*Savings of \$1.88 per quart

Wipe Out™

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 regular basis.



Part #	Package	Price	Price/Case
6012	1 qt Bottle	\$9.99	\$107.99/12*
6012-1	1 gal Case (4)	\$41.08	\$149.12/4**

*Savings of \$0.99 per quart

**Savings of \$4.11 per gallon

i INFORMATION

STAINLESS STEEL: Stainless Steel is an iron-based alloy that contains chromium, which combines with oxygen to form an invisible protective film on the surface. With proper care, your stainless steel pool rails and ladders will provide years of service. Regularly rinse with fresh water and wipe dry with a clean cloth. You may also use a foam window cleaner, dry and then apply a coating of wax. Inspect and clean mounting hardware, replacing when needed. Rust and corrosion occur when contaminants become trapped and embedded in the protective film. If discoloration, tarnish or water stains are visible, this is the first stage of corrosion wholly on the surface. Common cleaners that can be used: Allen Polish, Acrcal 20, Bon Ami®, Bar Keepers Friend®, and more. These can be found at your local hardware store. Make a slight paste and use a non-abrasive cloth or pad and rub briskly along the polish lines of the steel. Rinse with clean water, dry, apply wax. 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®, Zud Restoro.

Stainless Steel Passivation

"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. Stainless steel must first be cleaned to remove surface rust, dirt and oil, rinsed with non-chlorinated water and dried prior to application.



Part #	Package	Price	Price/Case
Spectra-Clean System 1-Daily (ready to use)			
47906	22 oz Bottle	\$56.49	\$203.04/4*
Spectra-Clean System 2-Extreme (ready to use)			
47905	1 gal	\$206.89	—
Spectra-Clean System 3-Severe (ready to use)			
47904	1 gal	\$227.89	—

*Savings of \$5.73 per bottle

FILTER CLEANERS

Chem Clean Express™

A multi-purpose granular formulation that cleans and unclogs filters from grease, oils and scale. Generates oxygen to assist with the cleaning function. Best benefit—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 Defender regenerative filter.



Part #	Package	Price
1513250	25 lb Pail	\$289.99
1513251	55 lb Pail	\$437.99

INSTRUCTIONS CHEM CLEAN & FILTER CLEANSE FOR THE NEPTUNE BENSON DEFENDER REGENERATIVE FILTER

Follow owners manual for preparation of filter for cleaning. Once the system is off and ready to accept the cleaner, vacuum suggested amount of chemical into the tank. Fill tank with water to the top.

Pre-coat for two minutes, open the pre-coat vent line to dissipate pressure build up. Turn the key switch to "maintenance mode" or "element cleaning mode". The filter will automatically bump six times every 15 minutes. Once soak time has been reached for the specific cleaner, drain and fill tank twice to remove all cleaner residues.

HOW MUCH PRODUCT DO I NEED TO CLEAN THE DEFENDER?

Chem Clean: Soak Time 1 hour
Filter Cleanse: Soak Time 12 hours

Model Number	lbs. of Chem Clean	lbs. Filter Cleanse
SP-18-48-175	12.5	
SP-24-42-327	20	26
SP-27-48-487	25	32
SP-33-48-732	37.5	50
SP-41-48-1038	55	88
SP-49-48-1548	80	
SP-55-48-2076	110	

Filter Cleanse

This multipurpose granular formulation cleans and unclogs filters of grease, oils and scale with a combination of acids and detergents. Its unique chemistry will gradually turn from red to yellow as it cleans.

Part #	Package	Price
71006	2 lb Bottle	\$20.19
71021	20 lb Pail	\$168.99
71038	50 lb Pail	\$325.49



INSTRUCTIONS FILTER CLEANSE

CARTRIDGE FILTERS & REMOVABLE DIATOMACEOUS FILTER

ELEMENTS: Remove cartridge or elements and place in a suitable container with a solution of 1 lb per 5 gallons of water. Soak for at least four hours, preferably overnight. Remove element from solution, rinse thoroughly and replace in filter.

SAND FILTERS: Backwash filter, then drain. Close drain valve and prepare solution, 1 lb per 5 gallons of water. Add sufficient solution to cover sand. Allow to soak overnight (12) hours. Backwash until water runs clean and return filter to normal operation.

FILTER CLEANERS

Liquid Filter Cleaner

Hard working, deep penetrating cleaner degreases all filters without harm to media. Follow ProTeam® Filter Magic directions shown below.

Part #	Package	Price	Price/Case
15003FC	1 qt Bottle	\$12.89	\$139.20/12*

*Savings of \$1.29 per quart

ProTeam® Filter Magic

Complex formula of wetting agents, surfactants, cleaning compounds and release agents quickly loosens and removes oils, combined organic matters, calcium deposits and biguicide polymer material. Eventually these materials cannot be removed with washing, rinsing, or backwashing. Use ProTeam® Filter Magic to restore filter efficiency, compatible with all filters and sanitizers. Will not affect pool chemistry. Directions for use shown below.

Part #	Package	Price	Price/Case
15008PFM	1 qt Bottle	\$18.99	\$205.09/12*

*Savings of \$1.90 per quart

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 ounces 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, 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.

INDUSTRIAL CLEANERS

Trisodium Phosphate (TSP)

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

Part #	Package	Price
TSP50	50 lb Bag	\$137.99



Powder DeLimer

Granular industrial strength sulfamic acid. Removes oil and dirt from cartridge filters, D.E. elements and sand.

Part #	Package	Price
15005FC	50 lb Bag	\$228.89



Brilliance

FOR TILE, GROUT, CEMENT, FIBERGLASS & STAINLESS STEEL

Low pH formulated surface cleaner, specialty, non-corrosive organic acid cleaner that safely removes rust, calcium hard water stains and lime from porcelain, fiberglass, stainless steel, mild steel, concrete, chrome and other surfaces. Produces no fumes or irritating mists. Tile and grout cleaner as is 1:10, cement/etch as is 1:5, steel cleaning: 1:2–10, shower cleaner as is 1:5. Acid solution 1–10 oz per gallon.

Part #	Package	Price	Price/Case
15BP2206Q	1 qt Bottle	\$13.39	\$144.60/12*
15BP2220G	1 gal Bottle	—	\$178.59/4
15BP2225G	5 gal Carboy	\$188.89	—

*Savings of \$1.34 per quart



ENZYMES

Dramatically speed up the natural biodegradation process. Great Lakes Bio Systems offers Orb-3® Pool & Spa line of products and ez Cleaning products. Each are environmentally responsible that treat not only the symptoms for common cleaning task and water quality problems, but also remove them at the source.



Remove oil and other organics with proven enzyme technology that excels in destroying oils, perspiration, body waste, detergents, dirt, pollen and all sorts of organic material. When enzymes are added to pools and spas on a regular basis, they break up organic materials, allowing the sanitizer to work more effectively at killing bacteria. By eliminating organic materials, decreasing waterline build-up and creating a healthier and well balanced pool or spa, maintenance time is significantly reduced.

Orb-3® Pool Enzyme Pro (Non-Foaming)

Add 5–10 oz per 10,000 gallons of water weekly, can be manually added every other day, or automatically with a Stenner® EconT Series pump.

Part #	Package	Price
1306CSA5	5 gal Carboy	\$237.79
1306CSA15	15 gal Drum	\$569.79
1306CSA55	55 gal Drum	\$1,722.69

**Orb-3® Spa Enzyme Pro (Non-Foaming)**

Add 2–4 oz per 500 gallons of water weekly, can be manually added every other day, or automatically with a Stenner® EconT Series pump.

Part #	Package	Price	Price/Case
130EZSPQ	1 qt Bottle	\$22.29	\$240.72/12*
130EZSPG	1 gal	\$74.99	—
130EZSP5	5 gal Carboy	\$256.49	—

*Savings of \$2.03 per quart

**ProTeam® Enzyme**

Eliminates oils, lotions and organics from pool water. Natural biodegradable, pH neutral. Use 1 oz per 2,500 gallons of water, may be added directly to the pool. Avoid using pool immediately before or after super chlorination or algae treatment.

Part #	Package	Price	Price/Case
13006SA	1 qt Bottle	\$17.89	\$193.20/12*

*Savings of \$1.79 per quart

**ENZYMES****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.

Orb-3® PRA & Enzyme Maintenance

Orb-3 PRA & Enzyme Maintenance combines appropriate doses of Orb-3 DropOut™ and Orb-3 Pool Enzymes, making it ideal for use as part of the regular weekly maintenance performed on your pool or spa. Use Orb-3 DropOut to reduce high phosphate levels and Orb-3 Pool Enzymes for high organic loading. 32 oz/10,000 gallons.



Part #	Package	Price	Price/Case
130EPRAQ	1 qt Bottle	\$31.89	\$344.40/12*
130EPRAQ	1 gal	—	\$209.19/4

*Savings of \$3.19 per quart

ORB-3 DropOut™

Designed to reduce high levels of phosphate in pools, spas, and other recreational water bodies without affecting pH. Its active ingredients naturally bind phosphates, rendering them ineffective as a food source for algae. Reduce 3,000 ppb add 32 oz per 10,000 gallons.

Part #	Package	Price	Price/Case
130DROPQ	1 qt Bottle	\$21.19	\$228.84/12*

*Savings of \$2.12 per quart

**Orb-3® Enzyme Cleaner**

Orb-3® Enzyme Cleaner ready to use formulation of eco-friendly surfactants and enzymes for pools and decks, equipment, chairs, cushions, and walkways without fear of harming children, plants, or pets. No slippery residue, no special equipment and will not upset water chemistry. Orb-3® Enzyme Cleaner helps keep surfaces clean for longer periods of time.

Part #	Package	Price	Price/Case
15004DCQ	1 qt Bottle	\$20.89	\$225.90/12*
15004DCG	1 gal Case	—	\$114.99/4

*Savings of \$2.06 per quart

**ez Clean Drains**

Reverse the build up of old food particles, soap film, body oils, fat, grease and organic oils. Specially blend of surfactants and 100% active enzymes work together to excite the existing bacteria to degrade build up. Prevent odors, safeguard against slow-drain syndrome.

Part #	Package	Price	Price/Case
15006CDQ	1 qt Bottle	\$26.19	\$282.84/12*
15006CDG	1 gal Case	—	\$201.89/4

*Savings of \$2.62 per quart

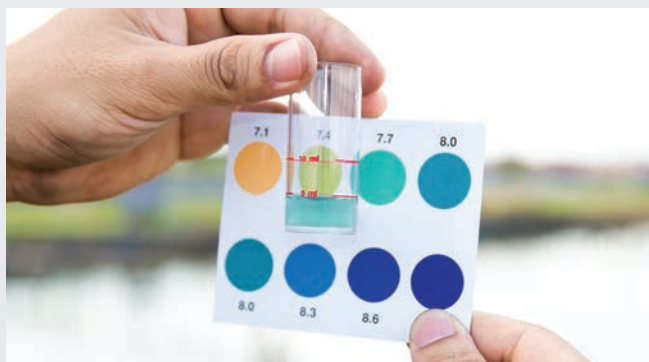


INFORMATION

CHLORINE CHEMISTRY

When chlorine is added to water it produces hypochlorous acid (HOCl), the hypochlorite ion (OCl⁻), hydrogen ion (H⁺) and a by-product specific to the chlorinating agent. Hypochlorous acid and the hypochlorite ion together are called the free chlorine. Free chlorine is the chlorine that is available for disinfection. Hypochlorous acid is the active killing form of chlorine in the water, effectively killing or inactivating pathogens and algae. It also oxidizes (chemically destroys) other materials from the environment or users.

There are two basic categories of chemicals that release hypochlorous acid into the water, stabilized (also called organic because they contain some carbon atoms) and unstabilized (also called inorganic).



BROMINE CHEMISTRY

Hypobromous acid is created when bromine-releasing chemicals are dissolved in water, similar to that of chlorine. Hypobromous acid (HOBr) is less dependent on pH, and combined bromine, bromamines, that form when the HOBr combines with wastes in the water does not diminish bromine effectiveness. Bromamines do not cause eye and skin irritation, such as chloramine. These properties have given bromine a wider acceptance in high use applications like spas.

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.

CALCIUM HYPOCHLORITE

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.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH

PART 820 SWIMMING FACILITY CODE

Section 820.320 Water Quality

b) Disinfectant Residual

3) If chlorinated cyanurates are used, the cyanuric acid concentration shall not exceed 100 p.p.m.

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

INFORMATION

DISINFECTANT: Sometimes called sanitizer is the agent that destroys microorganisms that might carry disease. Many factors affect the disinfection process: the pH level, temperature, if a facility is indoors or outdoors causing different environmental conditions and users. The most common disinfectants (chlorine and bromine) used in commercial pools and spas are also oxidizers. The disinfectant kills or inactivates microorganisms and oxidize contaminants.

STABILIZED DISINFECTANTS

There are two types of isocyanurate disinfectants available; sodium dichloro-s-triazinetriene, commonly called "Dichlor" and trichloro-s-triazinetriene commonly called "Trichlor". These two disinfectants contain cyanuric acid, as a 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

97% rapid dissolving, stabilized dichloro-s-triazinetriene, 62% available chlorine, pH of 6.2, highest percentage of available chlorine in a soluble granular stabilized chlorine. 2.1 oz will increase the chlorine level 1 ppm in 10,000 gallons of water. When adding dichlor to pool or spa water for each 1 lb added, there will be 7.4 ppm of cyanuric acid introduced in 10,000 gallons.



Part #	Package	1-3	4-9	10+
01025GC	25 lb Pail	\$107.59	\$91.39	Call for Quote
01050GC	50 lb Pail	\$169.89	\$156.89	Call for Quote

Super 90

Stabilized 99% sodium trichloro-triazinetriene (Trichlor) 90% available granular chlorine, highly concentrated stabilized chlorine. Best used in white plaster pools or pools with surfaces that cannot be bleached. For algae removal, add 1 lb per 10,000 gallons of water, where algae is prevalent, brush vigorously. Use in conjunction with our polyquat algaecides. Great stand-alone product for treating black algae.



Part #	Package	Price
0102S90	2 lb Bottle	\$20.19
0125S90	25 lb Pail	\$108.19

Trichlor Tablets

Stabilized 99% sodium trichloro-triazinetriene (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. Available in 1" and 3" tablets.



Part #	Package	1-3	4-9	10+
3" Trichlor Tablet				
03050LT	50 lb Pail	\$135.99	\$129.15	Call for Quote

*25 lb pails available upon request

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 an ORP (oxidation reduction potential) system.

Accu-Tab® Calcium Hypochlorite Blue SI Tablets

68% available chlorine, 3½" x 1¼" calcium hypochlorite tablet is NSF/ANSI Standard 50 approved for use with only Axial Accu-Tab® Chlorination System. Tablets erode reliably, consistently and predictably. Will not clog the system, a common problem with knock-off three-inch tablets and briquettes. More pH-friendly than chlorine gas, liquid bleach or trichlor tablets, requiring fewer adjustment chemicals, which saves money and makes water balance easier to achieve.

Accu-Tab® Blue SI tablets are NSF-50 listed, contain a scale inhibitor under a proprietary formulation, and have a blue speckled appearance that differentiates them from other swimming pool tablets to prevent mixing with non-compatible tablets. "The better choice."



Part #	Package	1-3	4-9	10+
06PPG355	55 lb Pail	\$161.59	\$156.79	Call for Quote

Zappit™ 73% Granular Calcium Hypochlorite

73% quick dissolving granular cal-hypo shock, kills bacteria, controls algae, destroys organic contaminants, and restores crystal clarity to pool and spa water. Can be used as a routine sanitizer, and as disinfectant for cleaning pool sides and bottoms, decks, diving boards, ladders, floats, locker and shower room floors and benches. Very concentrated formula, 1 lb of product raises 80,000 gallons of water 1 ppm. Use Zappit™ 73 to shock the water weekly.



Part #	Package	1-3	4-9	10+
0550GCH	50 lb Pail	\$158.09	\$149.99	Call for Quote

Ultra Shock

Calcium hypochlorite blended with Haviland's borate technology offers over 67% active ingredients in order to effectively oxidize water. Contains patented Calcibor® chemistry, no cyanuric acid, buffers pH and alkalinity, 2.05 oz will raise 10,000 of water 1 ppm.



Part #	Package	Price
04001US	1 lb Bag	\$7.49
04025US	25 lb Pail	\$61.99

UNSTABILIZED DISINFECTANTS**Sodium Hypochlorite (12% Liquid Bleach) LIQUID SHOCK**

Dissolves instantly and completely. Sodium hypochlorite 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. 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.



Part #	Package	1-3	4-9	10+
HYPO04	4 gal Case	\$19.99	\$19.09	Call for Quote

Pulsar® Plus Briquettes

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.



Part #	Package	1-3	4-9	10+
11050PUL	50 lb Pail	\$165.89	\$160.19	Call for Quote

Ultra Brom™

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.



Part #	Package	1-3	4-9	10+
10025BM	25 lb Pail	\$167.89	—	—
10050BM	50 lb Pail	\$179.79	\$175.69	Call for Quote

! ILLINOIS DEPARTMENT OF PUBLIC HEALTH**PART 820 SWIMMING FACILITY CODE**

Section 820.320 Water Quality

b) Disinfectant Residual

- 3)) If chlorine is used as a disinfectant, the chlorine residual shall be maintained between 1.0 and 4.0 p.p.m. as free chlorine residual. A free chlorine residual of at least 2.0 p.p.m. shall be maintained when the pool water temperature exceeds 85° F.

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

! ILLINOIS DEPARTMENT OF PUBLIC HEALTH**PART 820 SWIMMING FACILITY CODE**

Section 820.320 Water Quality

b) Disinfectant Residual

- 2) If bromine is used as a disinfectant, a bromine residual shall be maintained between 2.0 and 8.0 p.p.m. as total bromine. A bromine residual of at least 4.0 p.p.m. shall be maintained when the pool water temperature exceeds 85° F.

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

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.

ProTeam® Shock & Swim

NON-CHLORINE SHOCK

"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 algaestatic properties, leaves water feeling silkier and reduces chlorine usage. Will not raise chlorine levels, adds oxidizing agents to remove all combined chlorine (chloramines). 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.



Part #	Package	1-3	4-9	10+
07025NC	25 lb Pail	\$110.39	—	—
07050NC	50 lb Pail	\$179.09	\$174.19	Call for Quote

WipeOut

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. 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, and in as little as 15 minutes, re-open the pool.



Part #	Package	1-3	4-9	10+
18003WP	2.2 lb Bottle	\$15.89	—	—
18025WP	25 lb Pail	\$96.79	—	—
18050WP	50 lb Pail	\$155.79	\$147.29	Call for Quote



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. It is important to know how much total chlorine is due to combined chlorine, because combined chlorine is not an effective disinfectant and can irritate skin and mucous membranes. Using your test kit, you can measure the combined chlorine and determine if you must take action.

Removal of organic chloramines remains a big challenge with today's available technology and test methods. 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, which can introduce chloramines.

DISINFECTANT TROUBLESHOOTERS

Sodium Thiosulfate

CHLORINE NEUTRALIZER

There are times we need to remove excess chlorine from the pool. After a superchlorination for removal of chloramines, or accidental fecal release, you must return the chlorine levels to acceptable state code requirements. For swimming pools the maximum chlorine level is 5 ppm. This 100% active material is fast acting and easy to apply. Add 2.4 oz per 10,000 gallons of water to reduce the chlorine level 1 ppm.



Part #	Package	1-3	4-9
09002CN	2 lb Bottle	\$12.89	—
09025CN	25 lb Pail	\$84.09	—
STH050	50 lb Bag	\$94.29	\$83.99

Chlorine Stabilizer

CYANURIC ACID

Increases chlorine effectiveness, with the addition of cyanuric acid, commonly called stabilizer. Prevents unnecessary loss of chlorine due to the sun. For outdoor pool use. When stabilizer levels are maintained, chlorine consumption is reduced. With a clean filter, water balanced and disinfectant level at least 3 ppm, add stabilizer. Stabilizer does not dissolve immediately. Many facilities use a sock and place securely in the balance tank to let it dissolve. Pre-mixing in a clean bucket and pouring around the perimeter of the pool can also be done to add the stabilizer. Ideal level is 20–30 ppm. 1 lb of stabilizer will increase 10,000 gallons of water by 10 ppm. Can take up to three days for the cyanuric acid to dissolve and mix in the pool water. Those with automatic controllers will need to make adjustments for the change in the oxidation reduction potential.



Part #	Package	1-3	4-9
08010SB	10 lb Pail	\$59.39	—
08025SB	25 lb Pail	\$72.99	—
08045SB	45 lb Pail	\$102.19	\$99.19
08050SB	50 lb Drum	\$84.00	—

ILLINOIS DEPARTMENT OF PUBLIC HEALTH TITLE 77: PUBLIC HEALTH

CHAPTER I: DEPARTMENT OF PUBLIC HEALTH SUBCHAPTER N: RECREATIONAL FACILITIES PART 820 SWIMMING FACILITY CODE

Section 820.320 Water Quality

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.

Breakpoint Chlorination. or superchlorination addition of enough free chlorine to treat, oxidize and remove combined chlorine. 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.

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.

**CHEMICAL FEED SYSTEMS**

Aqua Pure has been providing chemicals, equipment and services to commercial aquatic facilities since 1988. We actively participated in the evaluation of water management, from manually adding proper chemicals for water balance adjustments and disinfection to a completely automated system

with secure bi-directional communication. All products sold and delivered have a guaranteed strength and are delivered by hazmat trained delivery specialists. Delivering dry goods and mini-bulk (liquid) since 1988, gives you the confidence in our ability to provide systems and goods that are safer and that can improve productivity throughout your facility.

EMPTY CONTAINERS**Carboys, Drums & Day Tanks**

Part #	Description	Price
A CRBY5	5 gal Carboy Empty Natural with Vented Cap	\$30.57
B CRBYCAP-V	Vented Cap	\$5.63
C CRBYCAP	Non Vented Cap	\$5.46
D 55DRUM	55 gal Drum Empty Natural	\$105.62
E 8613	30 gal Tank Only	\$159.65
F 8614	55 gal Tank Only	\$180.53
G 8625	55 or 30 gal Cover Only	\$70.39



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.

**Accessories**

Part #	Description	Price
H W397	Carboy Wrench 70 mm, Aluminum	\$34.62
I WRENCH-70	Carboy Wrench 70 mm, PVC	\$28.62
J 9F520	Pail Wrench Polystyrene	\$31.20
K W169	Drum Wrench	\$50.84
L 4HA28	Heavy Duty Siphon Pump*	\$39.34

*Heavy-duty siphon pump bellow 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.

BATCH TANK SYSTEMS

A well-engineered chemical feed system is an integral part of an effective water treatment program. The correct ratio of a product solution will allow you to meet regulatory specifications, reduce operation costs and will result in overall better water management.

Batch Tank Systems are manufactured with durable, corrosion resistant components.

Tanks are made from a high quality thermoplastic that has outstanding resistance to both physical and chemical degradation. Resistance to a wide array of wet and dry industrial chemicals make polyethylene ideal for batch tank mixing. The tanks are translucent, color is slightly off white to creamy yellow.

Lid is manufactured from the same high quality polyethylene and is tightly fitted for the day tank to ensure stability. Each tank lid will be double hinged, one for addition of product, second for ease of lid removal. Lid for 55-gallon tank will have a threaded opening to accept the mixer. Lids for the 100 and 150 gallon will be manufactured with a substructure to mount the mixer. All lids will sit in the lip of the tank.

Mixers feature a 316 stainless steel shaft with an integral impeller. 1/20 horsepower motor is 1,500 rpm, 115 volt, 60 cycle, ball bearing, shaded pole, totally enclosed air open. 1/3 horsepower motor is 1,725 rpm, 115 volt, 60 cycle, split phase, sleeve bearing.

Aqua Pure's System**THE SAFER METHOD OF PH CONTROL**

Aqua Pure batch system tank systems are specifically manufactured for pH control. pH is the most important water balance 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.

Part #	Description	Price
55HLMT	55 gallon Batch Tank (22" D x 36" H) Complete with Hinged Lid, 1/20th hp Mixer with Timer & Opening for Chemical Feed Shaft	\$1,723.48
100HLMT	100 gallon Batch Tank (27" D x 48" H) Complete with Hinged Lid Substructure for 1/3 hp Mixer with Timer & Opening for Chemical Feed Shaft	\$2,070.23
150HLMT	150 gallon Batch Tank (31" D x 48" H) Complete with Hinged Lid Substructure for 1/3 hp Mixer with Timer & Opening for Chemical Feed Shaft	\$2,217.58



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 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

Save valuable floor space Enclosed design prevents debris from collecting in containment tank. Sized range from 50–6,000 gallons.

	Part #	Capacity	Dimensions	Price
A	TC3448DC	150 gal	34" D x 48" H	\$1,382.88
A	TC4152DC	200 gal	41" D x 52" H	\$1,590.19
A	TC5256DC	350 gal	52" D x 56" H	\$2,491.69
A	TC5971DC	500 gal	59" D x 71" H	\$3,056.90

F.O.B will apply. Call for additional sizes. Tank available from 50–6,000 gallons.

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.

	Part #	Capacity	Dimensions	Price
B	TC64330A	385 gal	64" D x 33" H	\$1,018.06
B	TC66460A	675 gal	66" D x 46" H	\$1,393.81

F.O.B will apply. Call for additional sizes. Tank available from 50–6,000 gallons.

Vertical Storage Tanks

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

	Part #	Capacity	Dimensions	Price
C	VT0135-28	135 gal	47 lbs., 28" D x 59" H	\$422.68
C	VT0160-28	160 gal	56 lbs., 28" D x 68" H	\$454.21
C	VT0225-31	225 gal	67 lbs., 31" D x 76" H	\$573.58
C	VT0300-35	300 gal	88 lbs., 35" D x 81" H	\$671.57
C	VT0425-42	425 gal	101 lbs., 42" D x 75" H	\$701.33
C	VT0500-46	500 gal	120 lbs., 46" D x 77" H	\$787.93

F.O.B will apply. Call for additional sizes. Tank available from 50–6,000 gallons.



MINI-BULK PRODUCT

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. 130 gallon up to 2,500 gallon custom-fitted storage tanks installed at customer site.

MINI-BULK PRODUCT – GUARANTEE STRENGTH

Sodium Hypochlorite

EPA registered, guaranteed strength of 12.5% by weight and up to 16% by volume.

Advantage pH Down

Liquid sodium bisulfate, pH reducer, non-fuming, 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%, much less corrosive than regular muriatic acid, 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 Magic

A muriatic acid (hydrochloric acid) replacement that is safer with 90% less fumes than traditional muriatic acid. Great replacement for muriatic acid.

Hydrochloric Acid

Strong inorganic acid, is dangerous, yet useful. Specialized mini-bulk system that is specifically designed to handle 31–32% muriatic acid. Making storage safe and non-corrosive, with containment tank, scrubber and insurance policy.



TUBING & FITTINGS

Polyethylene Tubing (100 ft/Hard)

Opaque Color

Part #	Description	Price
2T20-0403N	¼" OD x 0.170" ID 100 FT Roll	\$30.12
2T20-0604N	¾" OD x ¼" ID 100 FT Roll	\$46.11
2T20-0806N	½" OD x ¾" ID 100 FT Roll	\$64.43
UP44	¼" OD x 0.170" ID Per Foot	\$0.31
UP66	¾" OD x ¼" ID Per Foot	\$0.47
UP86	½" OD x ¾" ID Per Foot	\$0.65



Black Tubing – UV Resistant

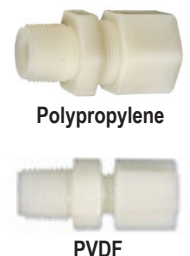
Includes label kit: pink (caution acid), yellow (caution chlorine) and blue (water)

Part #	Description	Price
522446	AcuTrol Tubing ¼", 100'	\$131.75



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)

Part #	Description	Price
10-6-8-P-O	Jaco Vibra Proof Connector ¾" Tube x ½" NPT	\$7.81
10-8-4-P-O	Jaco Vibra Proof Connector ½" Tube x ¼" NPT	\$8.28
10-8-8-P-O	Jaco Vibra Proof Connector ½" Tube x ½" NPT	\$7.93

Chemical Tubing Connection (PVDF)

Part #	Description	Price
10-4-4-K-O	Jaco Vibra Proof Connector ¼" Tube x ¼" NPT	\$14.10
10-6-8-K-O	Jaco Vibra Proof Connector ¾" Tube x ½" NPT	\$13.60
10-8-8-K-O	Jaco Vibra Proof Connector ½" Tube x ½" NPT	\$14.39

CHEMICAL SIGNS & LABELS

Chemical Hazard Signs

Additional chemicals, sizes and material available for the Chemical Hazard Signs, please call for more information, 630-771-1310.

	Part #	Description	Price
A	S-0355-PL-10	DANGER – Sodium Hypochlorite, 7" x 10", Plastic	\$24.36
B	S-0377-PL-10	DANGER – Hydrochloric Acid, 7" x 10", Plastic	\$24.36
C	S-0420-PL-10	CAUTION – Chemical Storage Area, 7" x 10", Plastic	\$24.36
D	OCE-31713	CAUTION – Warning Calcium Hypochlorite, 7" x 10", Plastic	\$32.26



A

B

C

D

CHEMICAL SIGNS & LABELS

Labels

Additional chemicals, sizes and material available for the Chemical Hazard Signs, please call for more information, 630-771-1310.



	Part #	Description	Price
A	REORDER	Re-Order	\$3.65
B	CORR	Corrosive	\$8.25



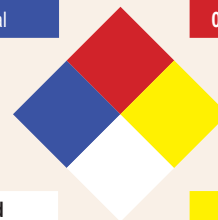
i NFPA 704

NFPA 704 provides basic information for emergency personal 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 proper training is provided.

Health Hazard	Fire Hazard Flash Point
4 Deadly	4 Below 73°F
3 Extreme Danger	3 Below 100°F
2 Hazardous	2 Below 200°F
1 Slightly Hazardous	1 Above 200°F
0 Normal Material	0 Will Not Burn



Specific Hazard	Instability
OX Oxidizer	4 May Detonate
ACID Acid	3 Shock + Heat May Detonate
ALK Alkaline	2 Violent Chem. Change
COR Corrosive	1 Unstable if Heated
W Use No Water	0 Stable
☢ Radioactive	

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 on-line organizations that you can order your personalized NFPA 704 sign from.

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.



Part #	Description	Price
7005	Chemical Resistant Goggles	\$23.72

Gloves

55.00 mil Neoprene chemical resistant gloves, interlock knit lining, green.



Part #	Description	Price
08-354-9	Chemical Resistant Gloves, Size 9 (5AF50)	\$11.60
08-354-10	Chemical Resistant Gloves, Size 10 (3BC92)	\$11.60

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.

	Part #	Description	Price
A	10031341	MSA Advantage® Full Face Respirator, Large	\$274.62
A	10031309	MSA Advantage® Full Face Respirator, Medium	\$263.90
B	815357	Chemical Cartridge, Yellow Bayonet Connects, 2/pk (Use on MSA Advantage® Series Respirators)	\$34.96



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

PERSONAL SAFETY EQUIPMENT

Other Personal Safety Equipment

	Part #	Description	Price
C	8516	Disposable Respirator with Exhalation Valve	\$7.33
D	49-055	Full Face Shield	\$64.91
E	49-015	Self-Contained Eyewash	\$418.62
F	49-026	Hand-Held Eyewash & Body Flush	\$37.83
G	49-027	Replacement Opti-Acid Solution for 49-026	\$25.69
H	32TL74	Chemical Resistant Sleeve Protectors, 100/pk	\$32.40
I	49-065	Chemical Resistant Apron, 35" x 45"	\$46.11
J	49-070	Knee Boots, 15" PVC Nitrile, Men Size 6-13	\$57.90
K	49-135	SDS Safety Station Binder, Wall Sign, Binder Rack	\$167.68
L	121370	SDS Holder & Sign	\$143.31
M	121184	SDS Binder, 2 1/2"	\$84.02



F

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RAINBOW™ FEEDER**TriChlor or Bromine Feeders**

Automatic Chlorine/Bromine feeders are a completely enclosed system, designed for efficient use of either slow dissolve TriChlor or Bromine tablets or sticks. All parts are replaceable.

320 Series. For permanent installation in return line of new or existing pools or spas. Installs in return line on pressure side of pump downstream of all equipment. Standard with 2" slip PVC fittings and adapters for 1½".

300 Series. Retrofits into existing pools or spas. Operates on pressure side of pump. Uses ¼" feeder hoses, control valve and fittings.

In-Line Feeders

	Part #	Series	Description	Price
A	R171096	320	Holds 11 Large or 98 Small Bromine or Slow Dissolving Trichlor Tablets; Treats 6,500–27,000 gal Bottom Feed & 18,000–70,000 gal Top Feed	\$105.83
B	R171218	320C	Holds 11 Large or 98 Small Bromine or Slow Dissolving Trichlor Tablets; Treats 6,500–27,000 gal Bottom Feed & 18,000–70,000 gal Top Feed with See-Through Amber Body	\$104.95

Off-Line Feeders

	Part #	Series	Description	Price
C	R171016	300	Holds 11 Large or 98 Small Tablets; Treats 12,000–48,000 gal	\$82.65
D	R171022	300C	Holds 11 Large or 98 Small Tablets; Treats 12,000–48,000 gal with See-Through Amber Body	\$86.14
E	R171056	300-19	Spa Feeder Includes Double-Capacity 19" Chamber; Treats 13,000–52,000 gal	\$89.02
F	R171066	300-29	Spa Feeder Includes Triple-Capacity 29" Chamber; Treats 14,000–57,000 gal	\$95.41

Commercial & High-Capacity Feeders

	Part #	Series	Description	Price
G	R171070	300-29X	Heavy-duty ½" 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.	\$147.27
H	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.	\$244.04
I	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.	\$268.18
J	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.	\$280.45

**FEEDER PARTS****Model 300, 302, 300-19 & 300-29**

Part #	Description	Price
R172008W	3" Threaded Cap, White	\$13.97
R172009	O-Ring, Cap	\$5.73
R172034	Saddle Clamp	\$4.88
R172032	Tube Fitting with Compression Nut	\$4.88
R172052	Cap Wrench	\$28.98
R172060	Control Valve, ¼" NPT x Tube with Compression Nut	\$24.49
R172061	Combination Check Valve/Elbow	\$5.09
R172080	Flow Indicator with Check Valve	\$20.77
R172323	¼" Corrosion Resistant Check Valve	\$17.46

Model 300-29X

Part #	Description	Price
R172008W	3" Threaded Cap, White	\$13.97
R172009	O-Ring, Cap	\$5.73
R172086	½" Control Valve	\$52.56
R172272	½" 90° NPT x Tube Fitting with Nut	\$6.67
R172263	Saddle Gasket	\$1.99
R172052	Cap Wrench	\$28.98

Model HC-3315, HC-3330 & HC-3340

Part #	Description	Price
R172214	Lock Ring	\$13.93
R172385D	Lid Assembly Complete	\$25.67
R172224X	Vent Valve	\$4.71
R175009	½" Hose Bib with T Handle	\$13.94
R172134	½" Threaded Plug	\$7.78
R270531	1" Threaded Union	\$11.56
R172439	Control Valve	\$68.79
R172435	Check Ball	\$2.32
R175251	Screen	\$4.87
R172374	Lock Spring	\$2.75
R172240	O-Ring Lid to Housing	\$11.86

BIOLAB GUARDEX**Bromine Feeders Parts**

Part #	Description	Price
25478000	Biolab Guardex B127 ¾" Calibrated Ball Valve	\$69.76
25479000	Biolab Guardex B131 ¾" Inlet Ball Valve	\$92.69
25471000	Biolab Guardex Air Vent Nozzle & Gasket B35	\$10.52
25470000	Biolab Guardex B34 Air Vent Fitting (White Portion Only)	\$4.82





Accu-Tab Chlorination System – *Simply the best*

Accu-Tab System minimizes safety concerns typically associated with other chlorination systems. The Accu-Tab system reduces the risk of leaks, eliminating the need for expensive safety systems. They contain no cyanuric acid and no stearate. The Accu-Tab system requires less maintenance than other cal hypo systems because of the quality of tablets and the unique design advantages of the patented delivery technology.

- System is rugged, compact and manageable (no containment tanks).
- Feeders are simple with few moving parts and no small openings that can clog.
- Erosion technology helps prevent scale formations—often reducing maintenance needs to an annual cleaning.
- Transparent lid allows operator to verify tablet levels easily.
- Chemical is concentrated allowing for smaller, stackable containers (55-lb pails).

ACCU-TAB® PARTS (ALL FEEDERS)

Accu-Tab® Miscellaneous Parts

Part #	Description	Price
A M8710	High Level Switch for All Units	\$46.50
B 9500145	Contacter Replaces NC11810, New Wire	\$85.70
C QL2N1-A120	Relay Over Flow Protection with Base, Replaces 9500232 (Yellow) New Wire	\$74.40
	9500232 Relay Old Style Yellow (Not Shown)	\$74.40
D BT3/8	Blue Tubing 3/8"	\$9.27
E PP011222W	Male Connector, Speed Fit 3/8" x 1/4"	\$13.44
F 1413-005	Water Level Spigot 1/2" PVC Elbow Insert x MIPT	\$15.04
G S1720C15	1 1/2" Flapcheck Valve, Two Required for 3,500 pb	\$60.57
H 439-072	Reducer Busing, 1/2" x 3/4", MIPT x FIPT	\$11.48
I 9500144	Air Relief Valve	\$47.73
J 9500156	Solenoid Coil	\$59.66
K STKT	Sight Tube Kit	\$40.48
L SITETUBE	Sight Tube Only	\$21.42
M RUS 0.5 FV	0.5 FV Flush Valve Fits All	\$25.20



ACCU-TAB® PARTS & MOTOR PARTS

Hayward® Pump Parts (For All Units)

Part #	Description	Price
A SPX1500N2	Housing Bolt, 10–24 Hex. Head	\$9.72
B SPX1520BT	Housing Cover	\$61.25
C SPX1580Z1	Housing O-Ring	\$21.59
D SPX1500LH	1 hp Impeller (for 9500241)	\$40.70
E SPX1580CH	1.5 hp Impeller (for 9500080 or 9500163)	\$42.46
F SPX3005R	Impeller Ring	\$12.46
G SPX1500KA	Seal Assembly	\$44.91
H SPX1580AAT	Pump Housing	\$73.73
I SPX1500Y2	Housing Nut, No. 10–24 Hex.	\$9.90
J SP1500UNPAK2C	Union Kit	\$27.28
K SPX1510Z1XE	1 hp Hayward Motor (3012AT & 1030AT)	\$294.44
L EZBN25	1 hp Motor (3012AT & 1030AT)	\$226.53
M SPX1515Z1E	1.5 hp Hayward Motor (3070AT, 3140AT & 3500)	\$339.28
N EZBN35	1.5 hp Motor (3070AT, 3140AT & 3500)	\$257.46

Sta-rite® Motor & Parts (While Supplies Last)

Part #	Description	Price
O 37400-0027S	Seal for Motors (JSAEL1 hp & JSAFL1 1/2 hp)	\$23.70
P C1-260P	Seal Plate (JSAEL1 hp & JSAFL1 1/2 hp)	\$63.17
Q C105-228P	Impeller (for 3012, 1030 JSAEL 1 hp)	\$67.70
R U9-226	O-Ring for Sta-Rite® Pump	\$8.80





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.

ACCU-TAB® FEEDERS



1030 Accu-Tab® Unit

Part #	Description	Price
1030	Accu-Tab® PowerBase Delivery Rate: 2.8 lbs./hour Tablet Storage: 30 lbs.	Call for Quote

1030 Accu-Tab® Unit Parts

Part #	Description	Price
A 9500206	Lid	\$39.14
B 18921	¾" Miller Float Valve, 3" Stainless Steel Rod, Square Float & Plumbing	\$132.70
C PF444	Square Float with 3" Stainless Steel Rod	\$18.60
D 1-60-F	1" Inlet Filter	\$109.63
E 1-60POLYELE	1" Polyester Filter Element 60 Mesh Screen	\$40.30
F 1-60COVER	1" S/D Filter Body	\$55.23
G 1-60ORKIT	O-Ring Kit for 1-60-F	\$18.48
H F-41000LN-16	1" Flowmeter	\$237.68
I 9500241	1 hp Hayward® Pump (PAPP100)	\$351.35



3070AT Accu-Tab® Unit

Part #	Description	Price
3070AT	Accu-Tab® PowerBase Delivery Rate: 10.21 lbs./hour Tablet Storage: 70 lbs.	Call for Quote

3070AT Accu-Tab® Unit Parts

Part #	Description	Price
A 9500087	Lid	\$227.13
B PT100SS	1" Kerick Valve, New Style without Solenoid Valves	\$80.37
C PS100SS	1" Kerick Valve, Old Style with Solenoid Valves	\$118.61
D 9500200	1" Kerick Rebuild Kit	\$39.10
E PF06	Round Float with 6" Stainless Steel Rod	\$39.92
F 2032-015	1½" Gate Valve	\$81.04
G 9500080	1.5 hp Hayward® Pump (PAPP150) without Conversion Kit	\$394.68
H 9500163	1.5 hp Hayward® Pump (PAPP150) with Conversion Kit	\$458.80
I 1-1/2-60-F	1½" Inlet Filter	\$136.12
J 1-1/2-60POLYELE	1½" Polyester Filter Element 60 Mesh Screen	\$48.23
K 1-1/2-60COVER	1½" S/D Filter Body	\$66.17
L 1-1/2-60ORKIT	O-ring Kit for 1-1/2-60-F	\$19.21
L F-41000LN-16	1" Flowmeter	\$237.68

3070AT Accu-Tab® Unit Parts (Before 2010)

Part #	Description	Price
M 9500009	1" Solenoid Valve	\$427.84
N 7KG24	1" Solenoid Rebuild Kit	\$191.00
O 9500156	Solenoid Coil	\$59.66
P 2032-010	1" Gate Valve	\$62.26

ACCU-TAB® FEEDERS



3140AT Accu-Tab® Unit

Part #	Description	Price
3140AT	Accu-Tab® PowerBase Delivery Rate: 22 lbs./hour Tablet Storage: 140 lbs	Call for Price

3140AT Accu-Tab® Unit Parts

	Part #	Description	Price
A	9500088	Lid	\$264.63
B	F-42050LN	1½ Flowmeter	\$338.90
C	2032-015	1½" Gate Valve	\$81.04
D	9500080	1.5 hp Hayward® Pump without Conversion Kit	\$394.68
E	9500163	1.5 hp Hayward® Pump with Conversion Kit	\$458.80
F	2-60-F	2" Inlet Filter	\$136.12
G	2-60POLYELE	2" Polyester Filter Element 60 Mesh Screen	\$73.85
H	2-60COVER	2" Spin Down Filter Body	\$77.34
	2-60ORKIT	2" O-Ring Kit for 2-60-F	\$20.59
I	PS125SS	1¼" Kerick Valve Complete with Floats	\$151.80
	PS125	1¼" Kerick Valve Only	\$71.29
	PT125	1¼" Rebuild Kit (Plunger with Cotter Pin)	\$26.49

3140AT Accu-Tab® Unit Parts (Before 2016)

	Part #	Description	Price
J	9500007-PS	1" Kerick Valve Complete with Floats	\$118.61
K	9500200	1" Kerick Rebuild Kit	\$39.10
L	PF06	Round Float with 6" Stainless Steel Rod	\$39.95
M	YS22P8-015CL	1½" Y-Strainer Socket P20 Mesh Screen	\$231.76
N	PASV150B	Solenoid Valve	\$427.80
O	7K841	1½" Solenoid Rebuild Kit	\$267.82
P	9500156	Solenoid Coil	\$59.66



3140AT Accu-Tab® Unit Parts (Before 2016)



NSF ACCU-TAB® CHLORIDE SYSTEMS

NSF/ANSI STANDARD 50

The globally recognized mark of a high-quality pool chlorinator that has passed rigorous independent testing and is certified by a third party for its chlorine delivery, reliability, durability and safety will be stamped with NSF logo.

To ensure compliance and proper functionality of the Accu-Tab System, the user must follow the manufacturer's directions and always use the specified chemicals.

USE OF SPECIFIED CHEMICAL

NSF requires that warning statements appear on the product's 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.

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



3070 AT

For mid-size commercial pools

ACCU-TAB® FEEDERS



3500 Accu-Tab® Unit Parts (Before 2016)

3500 Accu-Tab® Unit

Part #	Description	Price
3500	Accu-Tab® PowerBase Delivery Rate: 36.41 lbs./hour Tablet Storage: 500 lbs.	\$4,497.13

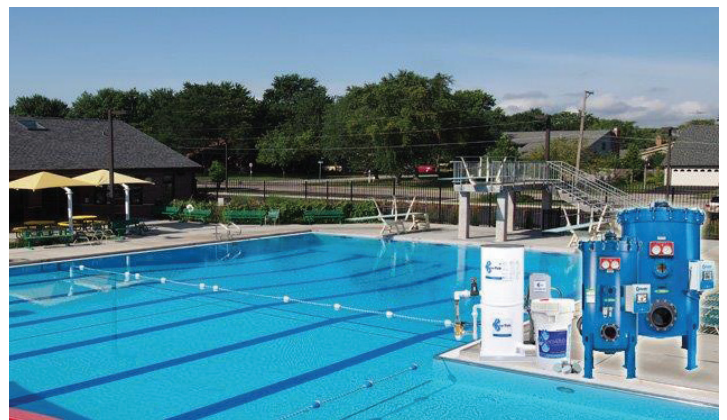
3500 Accu-Tab® Unit Parts

Part #	Description	Price
A 9500089	Lid	\$311.69
B F-30150-P	1½" Flowmeter, Clamp-On	\$109.79
F-3040	1 ½" Flowmeter Clamps	\$6.58
F-3003	1 ½" Flowmeter Gasket	\$3.54
C 2032-015	1½" Gate Valve	\$81.04
D 9500080	1.5 hp Hayward® Pump (PAPP150) without Conversion Kit	\$394.68
E 9500163	1.5 hp Hayward® Pump (PAPP150) with Conversion Kit	\$458.80
F 2-60-F	2" Inlet Filter	\$136.12
G 2-60POLYELE	2" Polyester Filter Element 60 Mesh Screen	\$73.85
H 2-60COVER	2" S/D Filter Body	\$77.34
2-60ORKIT	O-Ring Kit for 2-60-F	\$20.59
I PS125SS	1½" Kerick Valve Complete with Floats	\$151.80
PS125	1½" Kerick Valve Only	\$71.29
PT125	1½" Rebuild Kit (Plunger with Cotter Pin)	\$26.49



3500 Accu-Tab® Unit Parts (Before 2016)

Part #	Description	Price
J 9500007-PS	1" Kerick Valve Complete with Floats	\$118.61
K 9500200	1" Kerick Rebuild Kit	\$39.10
L PF06	Round Float with 6" Stainless Steel Rod	\$39.95
M YS22P8-015CL	1½" Y-Strainer Socket P20 Mesh Screen	\$231.76
N PASV150B	Solenoid Valve	\$427.80
O 7K841	1½" Solenoid Rebuild Kit	\$267.82
P 9500156	Solenoid Coil	\$59.66



ULTRAVIOLET LIGHT DISINFECTION



ProMinent®

ProMinent® Medium Pressure UV Disinfection Systems

The 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.

Dulcodes A UV System

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

Dulcodes UV Spare Parts

Part #	Description	Price
1035179	UV-Lamp – UVS & UVA, 1kW	\$899.89
1035057	UV-Lamp – UVS 2kW	\$919.02
1035180	UV-Lamp – UVS 3kW	\$1,256.48
1037735	Spare Parts Kit UVS 1 Lamp Systems 1 x 1, 1 x 2 and 1 x 3 (Seals & Wiper Blades)	\$372.42
1037756	Spare Parts Kit UVS 2 Lamp Systems 2 x 2 and 2 x 3 (Seals & Wiper Blades)	\$581.36
1004212	Filter Mat	\$22.50

Call for Quote: 630-771-1310

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 (750 m³/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 hours 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

Certifications:

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

CHEMICAL AUTOMATION

Essential to properly execute an effective water management system. Aqua Pure can assist with the design of a custom chemical feed system to meet your control specifications which minimizes operation costs and reduces chemical costs caused by water chemistry upsets, mis-management and facility destruction.


NEW!

DCM 5 Series Controller

Programmable, bi-directional control, with alarm notifications for monitoring and controlling of multiple components of the chemical feed system. This allows the pool professional to make adjustments to the chemical feed system to prevent overdosing or under dosing of a chemical and to use the system to uncover mechanical errors.

Features

- Remote, fully interactive ethernet and WiFi TCP/IP graphical interface with security access codes.
- 4-Line, 20 character OLED display, 12 buttons, multicolor status indicator, multicolor output LEDs indicate relay output status as feeding/off/alarmed or stopped. Ethernet and WiFi status LED's.
- Digital Inputs, 8 (7 fully configurable) +4 virtual (LSI, Combined Chlorine, GPM, etc.)
- Control Relays, 9 total: 2 AC line voltage, 3 dry contact (AC or DC), 4 DC24C (all fully assignable)
- Digital Outputs, 4 fully assignable as dry contact sets or variable frequency pump, i.e. UV, salt generator, heat control, PID acid or chlorine pump/VFD control, etc.
- Communications, HTML server on board (standard), 10Base T, RCP/IP ethernet, optional wireless 3G cellular, HTML, micro web server with DHCP or user definable IP address. Standard built-in WiFi router

Bonus: Interface with ProMinent Ultraviolet Sanitization System, savings is recognized with the ability to monitor and control chloramines with the DCM502 model with both PPM Free Chlorine Probe and PPM Total Chlorine probe.

All controllers come complete with hydraulically advanced flow cell assembly, with the flow sensor, temperature sensor and then specific sensors per model.

Part #	Model #	Description	Price
1080771	DCM500	pH & ORP	\$5,242.16
1080772	DCM501	pH, ORP, PPM Sensor for Non-Stabilized Water	\$6,770.81
1080773	DCM502	pH, ORP, Free Chlorine PPM & Total Chlorine PPM for Non-Stabilized Water	\$8,465.17
1080774	DCM503	pH, ORP, Free Chlorine PPM Sensor for Stabilized Water	\$6,770.81

PROMINENT®

PROMINENT® FLUID CONTROLS

The ProMinent® Series controllers are the perfect partner for monitoring and controlling water chemistry parameters and processes. The precision, flexibility and uncompromising quality represent a world-class solution to ensure a safe and healthy water experience.

FINDING MORE INFO

Web based details, instructions and troubleshooting guidelines can be found at www.aquapure-il.com.

WARRANTY

Five years on electronics, two years ORP and pH sensors, one year on chlorine sensors, and all other components.

ProMinent®


DCM 2 Series Controller

Perfect partner for monitoring and controlling water chemistry and processes in smaller pools: hotel, motel, condominium, and apartment complexes. Simple straight forward controller with remote interactive Ethernet TCP/IP graphical interface with security access codes.

- Three AC line powered outputs with on/off, time based, and proportional programming of pH, ORP or PPM and one programmable
- Two DC switching outputs pulsing or on/off controls
- Two fixed digital input, one assigned for flow switch, other is assignable
- Indicating LED alarms on front panel for easy detection of an alarm
- Seven user assignable passwords, public, operator, configure and administer
- Modular Sensor Housing (DGMa) hydraulically advanced flowcell assembly with built in flow switch
- USB host data log upload port



Part #	Description	Price
7761496	DCM 200 (pH, ORP, Temp Sensor, HTML Server with Flowcell Mounted on Backpanel)	\$2,913.46
1049197	DCM 2CI (pH, Free PPM, Temp Sensor, HTML Server with Flowcell Mounted on Backpanel)	\$3,420.00

PROMINENT®

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®

PROMINENT® SENSORS

DCM2 & DCM5

pH & ORP



	Part #	Description	Price
A	7500441	pH Sensor, Glass Tip ½" NPT	\$290.34
	7500442	ORP Sensor, Glass Tip ½" NPT	\$347.57
	1042110	SN6 to Finished End for Hardwired Connection with Aquatic pH & ORP Sensors into DCM Controllers, 4' Cable	\$62.18
	1033011	SN6 to BNC Adaptor Cable for Sensor Retrofits with on Non-prominent Controllers with BNC 6' Cable (Can use ProMinent Probe in Stranrol or Becs Controller)	\$64.34

Bromine

Part #	Description	Price
1006895	BRE1 Bromine, 1–10 ppm	\$1,709.17

DCMCL Series

PPM

DCM2CL Sensors should specifically be cleaned with a 20 to 1 muriatic acid solution.

Part #	Description	Price
1041696	CLB3, PPM Sensor – Free Chlorine 5 ppm for DCM2CL Controller Only (Cannot Add Electrolyte)	\$634.40



PROMINENT® SENSORS

DCM5 Series

PPM

DCM5 Series Sensors can be calibrated, when needed remove old electrolyte and refill, be sure not to disrupt the membrane, replace membrane annually.

	Part #	Description	Price
	1047975	CGE 3-MA 1 Free and Total Chlorine PPM Sensor (for Use with Cyanuric Acid & Salt Pools)	\$1,408.16
B	792919	CLE3, PPM Sensor (Free Chlorine 1–10 ppm without Cyanuric Acid for DCM5 Controllers)	\$1,124.24
C	740684	CTE1, PPM Sensor (Total Chlorine without Cyanuric Acid for DCM5 Controllers)	\$1,266.95



DCMS Series

PPM Sensor Replacement Parts

PPM sensors require to be re-activated by either the electrolyte or membrane gel, this can be as often as monthly up to annually. The water conditions, bather loading and mineral content all play a role in the frequency.

Note: Seasonal Pools must place a new membrane cap and re-gel the probe, annually, to ensure accuracy.

	Part #	Description	Price
D	506270	Electrolyte (Liquid) for CLE3 Sensor (PPM without Cyanuric Acid)	\$61.99
E	792892	Electrolyte (Gel) for CTE1 Sensor (PPM with Cyanuric Acid), CGE, CTE Gold Tip & BRE1 Sensor	\$61.99
F	790488	Replacement Membrane Cap for CLE3 Sensor (PPM without Cyanuric Acid)	\$193.02
G	792862	Replacement Membrane Cap for CTE1 (Total PPM with Cyanuric Acid), CGE, CTE Gold Tip & BRE1 Sensor	\$61.99
	740048	Replacement Membrane Kit for CTE (Total PPM with Cyanuric Acid), CGE, CTE Gold Tip & BRE1 Sensor (Includes Two Spare Tips & Electrolyte)	\$322.88



PROMINENT® PARTS

Part #	Description	Price
1004739	DGMa Sample Tap, 25 mm	\$108.79



ACU-TROL® CONTROLLERS

AK110™

Acu-Trol Chemical Controller is the advanced choice for aquatic facilities. Ease of operation, data logging, programmable features make this a desirable controller. Programmable features complete the AK110™ package for continuous monitoring of pH, ORP, disinfectant levels, temperature and flow rate.

Features

- Monitors one body of water
- 3rd relay can be used to automate second sanitizer
- pH, ORP, temperature and safety flow switch standard
- Programmable pH, ORP, real time clock and temperature set points
- Programmable chemical feed cycle ON and OFF (MIX) times
- Programmable proportional feed
- Programmable acid, base or CO₂ feed for pH control
- Relay configuration shortcuts with Acu-Trol® Controller Wizards
- Flow cell with built-in flow switch, shut off valves, inlet strainer and sampling port
- Records up to 30 days of sensor data internally in 1 or 2 hour recording intervals

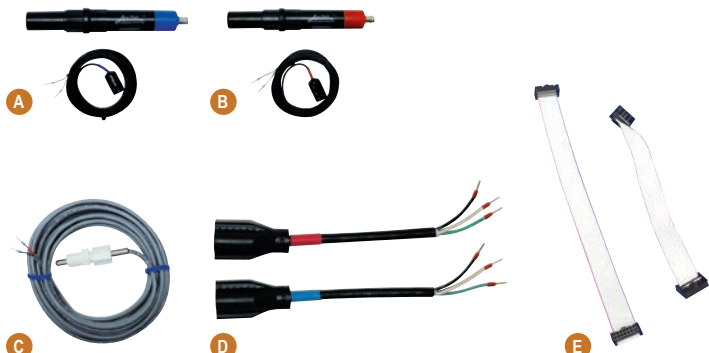


Part #	Description	Price
701000130	AK110™ Complete	\$3,466.54

ACU-TROL® ACCESSORIES

Acu-Trol® ORP, PH, Temp Sensors & Cable

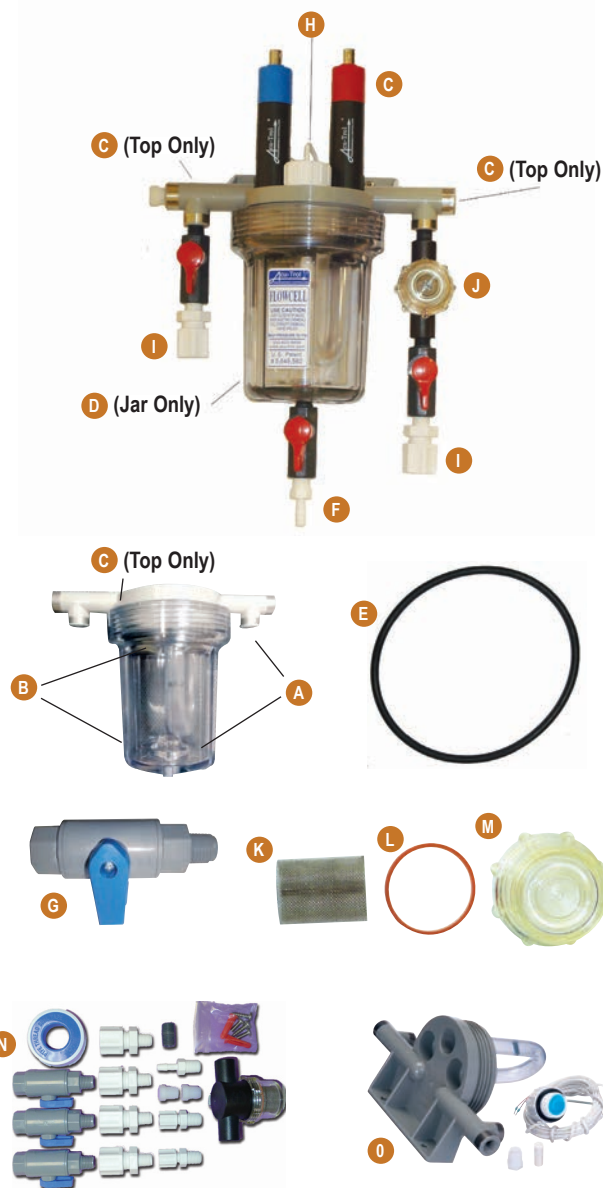
Part #	Description	Price
A 744000260	pH Sensor Only, Blue BNC	\$237.42
A 744000280	pH Cable, Blue BNC to Wire	\$31.85
B 744000330	ORP Sensor Only, Red BNC	\$237.41
B 744000350	ORP Cable, Red BNC to Wire	\$31.85
C 744000440	Temperature Sensor with Fitting	\$100.82
D 715000090	Pigtails, (1 Set) Red & Blue 8" (AK110™)	\$67.20
D 715000100	Pigtails, (1 Set) Red & Blue 12" (AK600™)	\$67.20
E 714000210	Ribbon Cable, AK110™	\$11.06
E 714000730	Ribbon Cable, AK600™	\$16.46



ACU-TROL® FLOW CELL & PARTS

Flow Cell & Parts

	Part #	Description	Price
A	754000300	Flow Cell Complete (No Parts Bag)	\$468.71
B	754000310	Flow Cell Complete with Flow Switch (No Parts Bag)	\$487.76
C	754000330	Flow Cell (Top Only)	\$178.87
D	754000340	Flow Cell (Jar Only)	\$178.65
E	754000350	Flow Cell, Large O-Ring	\$14.18
F	754001980	Flow Cell, Port Sample	\$25.28
G	754000400	1/4" Ball Valve	\$26.53
H	754000440	Flow Switch with O-Ring, 10' Cord	\$27.02
I	754000510	Compression Fitting, 1/2" x 1/4" NPT	\$13.22
J	754000360	Flow Cell Filter Complete, 1/4", Black	\$45.11
K	754000380	Flow Cell Filter Insert, Stainless Steel, 40 x 40	\$13.11
L	754000530	Flow Cell Filter O-Ring, Low Profile, Orange	\$14.18
M	744000970	Flow Cell Filter Replacement Cap, Clear	\$18.95
N	754000320	Flow Cell Parts Bag	\$178.87
O	754001990	Flow Cell AK1200 Top & Flow Sensor	\$138.16



ACU-TROL® CO₂ CONTROLLERS

CO₂ System

The AKCO₂ delivery system is designed for use with an Acu-Trol® chemical controller. The gas rated solenoid allows CO₂ to mix with the pool water via an inline gas bubbler. The 110v solenoid controls CO₂ flow based on input from the pool controller.

	Part #	Description	Price
A	751000030	Standard, Low Output 30 SCFH	\$910.85
B	751000040	High Output, High Output 100 SCFH	\$1,459.16
C	751000050	No Regulator	\$592.51

CO₂ System – Model 195 Series

Model 195 Series flowmeter regulator provides accurate regulation of gas flow. The low output CO₂ regulator provides reliable performance in commercial, industrial and laboratory applications.

	Part #	Description	Price
D	754000210	Regulator Low Flow	\$208.70

CO₂ System – Model CO₂ High

Model CO₂ high, electrically heated series flowmeter regulator is designed for applications requiring extremely high gas flow rates.

	Part #	Description	Price
E	754000220	Regulator High Flow	\$544.75

AK Auto Change

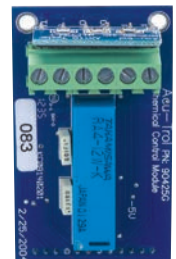
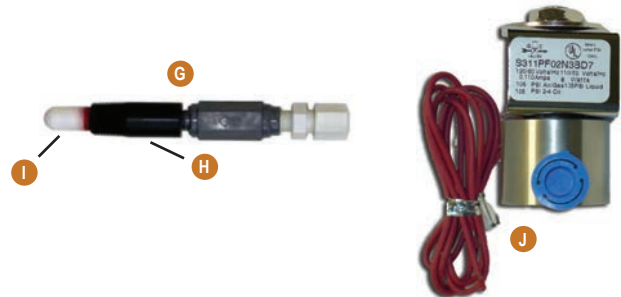
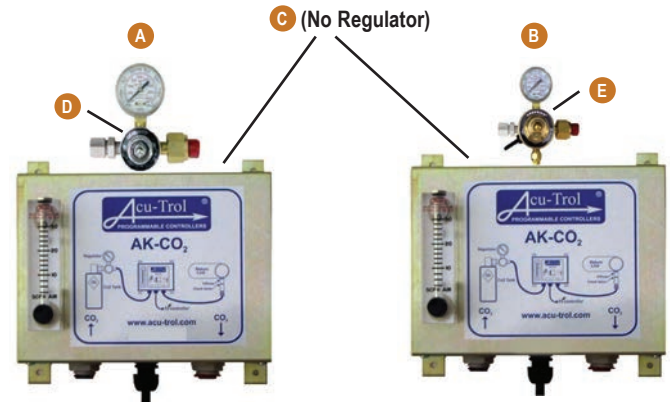
The AK auto change is ideal for applications using large amounts of CO₂. This unit automatically switches over to the secondary tank after the primary tank has run dry. The AK auto change is easily mounted and includes two 3/2" high pressure lines for connections to any size tank. Easy to read gauges are supplied to read psi on both tanks and a pop out indicator that shows an "in use" status.

	Part #	Description	Price
F	754000230	Dual Tank Auto Change Over	\$1,494.52

AK Diffuser

The porous polyethylene body of the AK diffuser can withstand pressures as high as 150 psi. The porous polyethylene construction resists oil and water. A check valve prevents contamination of the feed lines. Compression fitting allows for quick and easy installation.

	Part #	Description	Price
G	754000240	Complete Diffuser	\$60.48
H	754000250	Diffuser Adapter	\$27.35
I	754000260	1/4" Diffuser	\$13.71
J	754000290	Solenoid, 1/4" Input NC 110/VAC	\$135.32



K

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ACU-TROL® PARTS

Acu-Trol® Miscellaneous

	Part #	Description	Price
K	724000280	AK110™ Real Time Clock, Module	\$325.00
L	724000290	AK110™ RS232 Module & Cable	\$325.00
M	724000010	AK110™ PCB Sensor Card (pH, ORP, Temp)	\$603.57
N	724000130	AK600™ PCB Sensor Card (pH, ORP, Temp)	\$1,263.27
O	724000050	Socket Relay NO (110/24/DRY)	\$83.56
P	714000170	1 AMP Fuse, Pk 5	\$14.35
P	714000180	5 AMP Fuse, Pk 5	\$14.35

CHEMTROL® PROGRAMMABLE CONTROLLERS

PC 2100®

With its advanced microprocessor-based technology, the CHEMTROL® PC 2100® Programmable Controller introduces a new standard of sophistication in automated control of sanitizers (chlorine or bromine), oxidizers and pH.

The CHEMTROL® PC2100 is a user-friendly and reliable controller that is easy to install and operate. All menus are displayed in clear language in English, French or Spanish with choice of US or metric units. Every unit is supplied with a comprehensive operation manual plus on-site start-up and training by a Qualified Dealer and a Five-Year electronics warranty.



Features

- Large 8-line LCD Display for easy operation
- ORP Control of sanitizer and/or oxidizer activity
- pH Control with choice of acid or base feed
- Programmable shock treatment and chemical savings cycles
- Langelier saturation index for water balance
- Automatic data logging for up to 999 tests
- USB and Micro SD ports for program updates and data logging
- Safety flow switch
- Full screen menus in English, French or Spanish
- Screen displays in US or Metric units
- Compatible with all common sanitizers and oxidizers

Note: Flowcell assembly is an option.

Part #	Price
PC2100®	\$4,600.00

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.



Part #	Price
PPMFC/PC	\$3,000.00

PC 3000®

The CHEMTROL® PC 3000® microprocessor-based programmable controller with full remote operation capability introduces a new standard of sophistication in automated water treatment for many applications such as swimming pools, spas, waterparks and industrial water treatment.

The CHEMTROL® PC3000 is a user-friendly and reliable controller that is easy to install and operate. All menus are displayed in English, French or Spanish with choice of US or metric units. Every unit is supplied with a comprehensive operation manual, on-site start-up and training by a Qualified Dealer and a Five-Year electronics warranty.



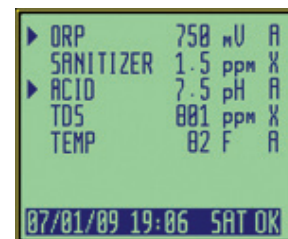
Features

- ORP Control of oxidizer with shock and chemical saving programs
- Sanitizer PPM Display from ORP and pH
- pH Control with acid/base feed and probe rinse program
- Heater control with energy saver program
- Langelier saturation index for water balance
- Automatic data logging for up to 999 tests
- Full screen menus in English, French or Spanish
- Screen displays in US or Metric units
- Compatible with all common sanitizers and oxidizers
- Automated chloramine treatment (A.C.T.) program
- Bypass line assembly or flowcell assembly with safety flow switch

Part #	Price
PC3000®	\$6,600.00

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

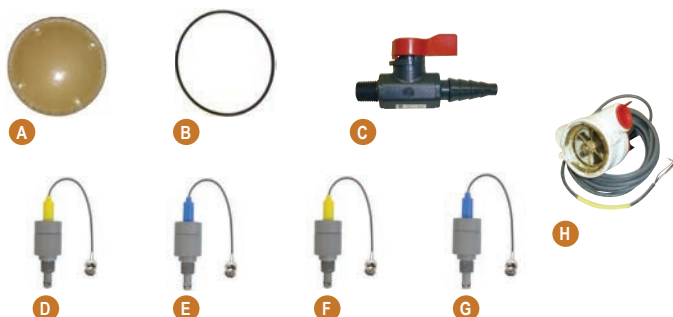
This is recommended for facilities with a local Ethernet computer network. The controller is connected to the network as an additional computer. It can be accessed from any computer on the network that has the CHEMCOM™ software program. It can also be accessed from outside the network by connecting to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

Part #	Description	Price
PCX-ETHCOM	Ethernet/Internet Communications	\$900.00

CONTROLLER PARTS

Strantrol® Controller Parts

	Part #	Description	Price
A	W2T6743	Flow Cell Lens	\$66.70
B	W2T6581	Strantrol Flowcell O-Ring	\$39.40
C	W2T6343	Valve Sample PVC, 1/4" MPT	\$64.50
D	W2T4677	pH Probe, 32" Cable	\$351.75
E	W2T3067	HRR Probe, 32" Cable	\$418.99
F	W2T4675	pH Probe, 10' Cable	\$351.75
G	W2T3068	HRR Probe, 10' Cable	\$418.99
H	W2T5291	Whole Paddle Wheel, Flowmeter Unit, 10'	\$284.54
	W2T3826	Reed Flow Switch (Not Shown)	\$99.57



Chemtrol® Controller Parts

	Part #	Description	Price
A	05-100	Strainer for Y-Strainer	\$68.27
B	05-115	Compression Fitting for Probes	\$11.60
C	05-127	1/2" Acrylic Sensor Cell	\$357.40
D	ORP-GEN	Generic ORP Probe, Red	\$142.97
E	PH-GEN	Generic pH Probe, Blue	\$109.82
F	ORP	Sensor ORP, Red	\$319.37
G	PH	Sensor pH, Blue	\$290.81
H	155481	Paddle Wheel Flow Switch	\$244.41
I	G2R-2S-DC24	Relays	\$74.26



Hayward® CAT Controller Parts

	Part #	Description	Price
A	AC75	Flow Cell Kit without RFS Machined Acrylic Flowcell Box	\$906.47
B	CAX-20200	Pressure Switch Complete	\$123.26
C	CAX-20201	Pressure Switch Only	\$64.07
D	CAX-20272	Flow Cell Molded Bowl Style Only	\$61.63
E	CAX-20259	Flow Cell Molded Bowl Style Complete Kit	\$305.77
F	CAX-20206	Float Style Flow Switch for Molded Bowl Flow Cell	\$77.96
G	PRO15-2	Heavy-Duty pH Sensor, 1/2" NPT	\$368.70
H	PRO25-2	Heavy-Duty ORP Sensor, 1/2" NPT	\$368.70



BECS Controller Parts

	Part #	Description	Price
A	9660023	ORP Probe Sensor, 10' Cable	\$474.14
A	9660022	ORP Probe Sensor, 36" Cable	\$457.33
B	9660010	pH Probe Sensor, 10' Cable	\$397.38
B	9660013	pH Probe Sensor, 36" Cable	\$397.38



STENNER PUMP

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, 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.



Single Head, Fixed

CLASSIC SERIES



Single Head, Adjustable



100/170 Double Head, Fixed



100/170 Double Head, Adjustable

45 Series (Low Pressure, 0-25 psi)

Part #	Description	Price
45MFL5A1S	45MP5 Fixed, #5 Tubing, 1/4" Fittings, 45 gpd	\$372.06
45MFL5A3S	45MP5 Fixed, #5 Tubing, 3/8" Fittings, 45 gpd	\$402.22
45MJL5A1S	45M5 Adjustable, #5 Tubing, 1/4" Fittings, 2.5-45 gpd	\$517.82
45MJL5A3S	45M5 Adjustable, #5 Tubing, 3/8" Fittings, 2.5-45 gpd	\$547.74

45 Series (High Pressure, 100 psi)

Part #	Description	Price
45MFH7A1S	45MHP22 Fixed, #7 Tubing, 1/4" Fittings, 22 gpd	\$392.22
45MFH7A3S	45MHP22 Fixed, #7 Tubing, 3/8" Fittings, 22 gpd	\$422.35
45MJH7A1S	45MHP22 Adjustable, #7 Tubing, 1/4" Fittings, 1.1-22 gpd	\$537.77
45MJH7A3S	45MHP22 Adjustable, #7 Tubing, 3/8" Fittings, 1.1-22 gpd	\$567.68

85 Series (Low Pressure, 0-25 psi)

Part #	Description	Price
85MFL5A1S	85MP5 Fixed, #5 Tubing, 1/4" Fittings, 85 gpd	\$372.06
85MFL5A3S	85MP5 Fixed, #5 Tubing, 3/8" Fittings, 85 gpd	\$402.22
85MJL5A1S	85M5 Adjustable, #5 Tubing, 1/4" Fittings, 4.3-85 gpd	\$517.82
85MJL5A3S	85M5 Adjustable, #5 Tubing, 3/8" Fittings, 4.3-85 gpd	\$547.74

85 Series (High Pressure, 100 psi)

Part #	Description	Price
85MFH7A1S	85MHP40 Fixed, #7 Tubing, 1/4" Fittings, 40 gpd	\$392.22
85MFH7A3S	85MHP40 Fixed, #7 Tubing, 3/8" Fittings, 40 gpd	\$422.35
85MJH7A1S	85MHP40 Adjustable, #7 Tubing, 1/4" Fittings, 2-40 gpd	\$537.77
85MJH7A3S	85MHP40 Adjustable, #7 Tubing, 3/8" Fittings, 2-40 gpd	\$567.68

Double Head (Low Pressure, 0-25 psi)

Part #	Description	Price
100FL5A1S	100DMP5 Fixed, #5 Tubing, 1/4" Fittings, 100 gpd	\$526.63
100FL5A3S	100DMP5 Fixed, #5 Tubing, 3/8" Fittings, 100 gpd	\$563.13
100JL5A1S	100DM5 Adjustable, #5 Tubing, 1/4" Fittings, 100 gpd	\$717.05
100JL5A3S	100DM5 Adjustable, #5 Tubing, 3/8" Fittings, 100 gpd	\$777.00
170FL5A1S	170DMP5 Fixed, #5 Tubing, 1/4" Fittings, 100 gpd	\$526.63
170FL5A3S	170DMP5 Fixed, #5 Tubing, 3/8" Fittings, 100 gpd	\$563.13
170JL5A1S	170M5 Adjustable, #5 Tubing, 1/4" Fittings, 100 gpd	\$717.05
170JL5A3S	170M5 Adjustable, #5 Tubing, 3/8" Fittings, 100 gpd	\$777.00

ECON T PUMP

Econ T programmable pump is ideally suited for applications requiring flexible dosing times such as the injection of enzymes in drain line maintenance and biocide feed in small cooling tower or water fountains. The LCD display is easy to use and can vary the schedule up to 24 separate events within a seven day period. Each separate event can run from a minimum of one minute to a maximum of 23 hours and 59 minutes within each programmed day. The control panel also features a 24 hour integral clock that has battery backup to maintain the time of day.

	Part #	Description	Price
A	E10T2F71S4	Econ T Pump Fixed, #F Tubing, 1/4" Tubing, 1.3 gpd to 80 psi	\$339.85
B	EC30F-2	Tubing Assembly includes #F Tubing & 1/4" Ferrules, 2/pk	\$34.09
C	EC350	Roller Assembly, White (Pump Tubes A, B, C, F Only)	\$21.57
D	EC355	Pump Head Cover	\$10.79



CLASSIC SERIES MOTOR & GEAR KITS



Adjustable Rate Motors

Part #	Description	Price
PM6041D	Series 45 & 100, Complete Motor, 120v, 60 HZ	\$258.71
PM6081D	Series 85 & 170, Complete Motor, 120v, 60 HZ	\$258.71

Fixed Rate Motors

Part #	Description	Price
ME6041D	Series 45, Complete Motor, 120v, 60 HZ	\$257.09
ME6081D	Series 85, Complete Motor, 120v, 60 HZ	\$257.09
DM6041D	Series 100, Complete Motor, 120v, 60 HZ	\$263.88
DM6081D	Series 170, Complete Motor, 120v, 60 HZ	\$263.88

Gear Case Service Kit



Part #	Description	Price
GSK45A	Series 45 & 100 Adjustable, Service Kit	\$103.06
GSK85A	Series 85 & 170 Adjustable, Service Kit	\$103.06
GSK45F	Series 45 Fixed, Service Kit	\$103.06
GSK85F	Series 85 Fixed, Service Kit	\$103.06

FEED RATE CONTROL

Feed Rate Control (FRC) Assemblies & Parts

	Part #	Description	Price
A	FC5040D	Series Adjustable 45 & 85 FRC with Shaft	\$248.85
A	DM5040D	Series Adjustable 100 & 170 FRC with Shaft	\$248.85
B	FSK100	Series Adjustable 45, 85, 100 & 170 Service Kit	\$52.91
C	UCFC5AD	Series Adjustable 45 & 85 Main Shaft	\$39.06
C	MCFC5AD	Series Adjustable 45 & 85 Main Shaft, 2/pk	\$64.45
D	DM5A00D	Series Adjustable 100 & 170 Main Shaft	\$31.94



C

QUICKPRO® PUMP HEADS & INNER MOST PUMP HEAD



QuickPro® Classic Series Pump Head

Part #	Description	psi	Price
QP251-1	#1 Santoprene® Tube Complete, 1/pk	0-25	\$122.99
QP252-1	#2 Santoprene® Tube Complete, 1/pk	0-25	\$122.99
QP253-1	#3 Santoprene® Tube Complete, 1/pk	0-25	\$122.99
QP254-1	#4 Santoprene® Tube Complete, 1/pk	0-25	\$122.99
QP255-1	#5 Santoprene® Tube Complete, 1/pk	0-25	\$122.99
QP251-2	#1 Santoprene® Tube Complete, 2/pk	0-25	\$229.85
QP252-2	#2 Santoprene® Tube Complete, 2/pk	0-25	\$229.85
QP253-2	#3 Santoprene® Tube Complete, 2/pk	0-25	\$229.85
QP254-2	#4 Santoprene® Tube Complete, 2/pk	0-25	\$229.85
QP255-2	#5 Santoprene® Tube Complete, 2/pk	0-25	\$229.85
QP101-1	#1 Santoprene® Tube Complete, 1/pk	26-100	\$132.82
QP102-1	#2 Santoprene® Tube Complete, 1/pk	26-100	\$132.82
QP107-1	#7 Santoprene® Tube Complete, 1/pk*	26-100	\$132.82

*#7 tube for Classic 45 & 85 Series only

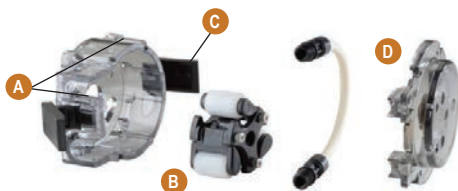
QuickPro® Innermost Pump Head

For classic double head pumps (Series 100 & 170).



Part #	Description	psi	Price
QPA251-1	#1 Santoprene® Tube Complete, 1/pk	0-25	\$135.69
QPA252-1	#2 Santoprene® Tube Complete, 1/pk	0-25	\$135.69
QPA253-1	#3 Santoprene® Tube Complete, 1/pk	0-25	\$135.69
QPA254-1	#4 Santoprene® Tube Complete, 1/pk	0-25	\$135.69
QPA255-1	#5 Santoprene® Tube Complete, 1/pk	0-25	\$135.69
QPA251-2	#1 Santoprene® Tube Complete, 2/pk	0-25	\$267.42
QPA252-2	#2 Santoprene® Tube Complete, 2/pk	0-25	\$267.42
QPA253-2	#3 Santoprene® Tube Complete, 2/pk	0-25	\$267.42
QPA254-2	#4 Santoprene® Tube Complete, 2/pk	0-25	\$267.42
QPA255-2	#5 Santoprene® Tube Complete, 2/pk	0-25	\$267.42
QPA101-1	#1 Santoprene® Tube Complete, 1/pk	26-100	\$160.98
QPA102-1	#2 Santoprene® Tube Complete, 1/pk	26-100	\$160.98
QPA101-2	#1 Santoprene® Tube Complete, 2/pk	26-100	\$317.44
QPA102-2	#2 Santoprene® Tube Complete, 2/pk	26-100	\$317.44

QUICKPRO® PUMP HEADS PART



QuickPro® Pump Head Parts

Part #	Description	Price
A QP400-1	Tube Housing with Latches, Universal, 1/pk	\$36.62
A QP400-2	Tube Housing with Latches, Universal, 2/pk	\$67.36
B QP401-2	Latches Only, 2/pk	\$11.84
C QP500-1	Roller Assembly, 1/pk	\$40.01
C QP500-4	Roller Assembly, 4/pk	\$145.44
D QP100-1	Tube Housing Cover with Bushings, Universal, 1/pk	\$27.36
D QP100-4	Tube Housing Cover with Bushings, Universal, 4/pk	\$77.14

QUICKPRO® PUMP HEADS PARTS



QuickPro® Pump Head Service Kits

All Kits Include: (1) roller assembly, (2) 1/4" connecting nuts, (2) latches, (3) 1/4" ferrules, (1) duckbill* and (1) pump tube

Part #	Description	psi	Price
QP251K	#1 Santoprene® Tube	0-25	\$50.99
QP252K	#2 Santoprene® Tube	0-25	\$50.99
QP253K	#3 Santoprene® Tube	0-25	\$50.99
QP254K	#4 Santoprene® Tube	0-25	\$50.99
QP255K	#5 Santoprene® Tube	0-25	\$50.99
QP101K	#1 Santoprene® Tube	26-100	\$55.13
QP102K	#2 Santoprene® Tube	26-100	\$55.13
QP107K	#7 Santoprene® Tube	26-100	\$55.13

*Only included in the 26-100 psi kits

QuickPro® Innermost Pump Head Parts

For classic double head pumps (Series 100 & 170)

Part #	Description	Price
QP10A-1	Pump Head Cover, 1/pk	\$53.70
QP10A-2	Pump Head Cover, 2/pk	\$102.02
QP50A-1	Roller Assembly	\$40.01

NON-QUICKPRO® PUMP HEADS & PARTS (PRE 2011)

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

Pump Head Parts

Part #	Description	Price
QP400-1	Tube Housing with Latches, Universal, 1/pk	\$36.62
QP400-2	Tube Housing with Latches, Universal, 2/pk	\$67.36
UC3ASYD	Roller Assembly, 1/pk	\$40.01
QP100-1	Tube Housing Cover with Bushing, Universal, 1/pk	\$27.36
QP100-4	Tube Housing Cover with Bushing, Universal, 4/pk	\$77.14
UCCPS0B	Cover Screws, 10/pk*	\$7.83
MCCPS0B	Cover Screws, 24/pk*	\$10.75

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

Pump Head Service Kit

All Kits Include: (1) roller assembly, (2) 1/4" connecting nuts, (2) cover screws, (1) duckbill*, (3) ferrules (1/4") and (1) pump tube



Part #	Description	psi	Price
PSKL01	#1 Santoprene® Tube	0-25	\$50.99
PSKL02	#2 Santoprene® Tube	0-25	\$50.99
PSKL03	#3 Santoprene® Tube	0-25	\$50.99
PSKL04	#4 Santoprene® Tube	0-25	\$50.99
PSKL05	#5 Santoprene® Tube	0-25	\$50.99
PSKH01	#1 Santoprene® Tube	26-100	\$55.13
PSKH02	#2 Santoprene® Tube	26-100	\$55.13
PSKH07	#7 Santoprene® Tube	26-100	\$55.13

*Only included in the 26-100 psi kits

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 of the tube with the a number indicating the tube size.



Part #	Description	Price
A UCCP201	#1 Santoprene® Tube Assembly with Ends, 2/pk	\$37.09
A UCCP202	#2 Santoprene® Tube Assembly with Ends, 2/pk	\$37.09
A UCCP203	#3 Santoprene® Tube Assembly with Ends, 2/pk	\$37.09
A UCCP204	#4 Santoprene® Tube Assembly with Ends, 2/pk	\$37.09
A UCCP205	#5 Santoprene® Tube Assembly with Ends, 2/pk	\$37.09
A UCCP207	#7 Santoprene® Tube Assembly with Ends, 2/pk	\$37.09
B M CCP201	#1 Santoprene® Tube Assembly with Ends, 5/pk	\$81.98
B M CCP202	#2 Santoprene® Tube Assembly with Ends, 5/pk	\$81.98
B M CCP203	#3 Santoprene® Tube Assembly with Ends, 5/pk	\$81.98
B M CCP204	#4 Santoprene® Tube Assembly with Ends, 5/pk	\$81.98
B M CCP205	#5 Santoprene® Tube Assembly with Ends, 5/pk	\$81.98
B M CCP207	#7 Santoprene® Tube Assembly with Ends, 5/pk	\$81.98

INJECTIONS, CHECK VALVES & PARTS



Part #	Description	psi	Price
A UCAK300	1/4" Injection Fitting with Nut & Ferrule, 1/pk	0-25	\$10.74
A MCAK300	1/4" Injection Fitting with Nut & Ferrule, 5/pk	0-25	\$31.24
B CVIJ3/8	3/8" Injection Fitting Only	0-25	\$4.09
C UCDBINJ	1/4" Check Valve with Duckbill & Ferrule, 1/pk	26-100	\$18.57
C M CDBINJ	1/4" Check Valve with Duckbill & Ferrule, 5/pk	26-100	\$68.30
D UCINJ38	3/8" Check Valve with Duckbill, 1/pk	26-100	\$22.96
D MCINJ38	3/8" Check Valve with Duckbill, 5/pk	26-100	\$92.75
E UCCVDB0	Santoprene® Duckbills, 2/pk	26-100	\$12.21
E MCCVDB0	Santoprene® Duckbills, 5/pk	26-100	\$20.49
F CVIJOR	Santoprene® Check Valve O-Ring, 1/pk	26-100	\$4.27

ACCESSORY KITS

1/4" 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

3/8" 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



Low Pressure Kit (0-25 psi)

Part #	Description	Price
CPACK-1	#1 Tube Kit, Low Pressure, 1/4"	\$43.53
CPACK-2	#2 Tube Kit, Low Pressure, 1/4"	\$43.53
CPACK-3	#3 Tube Kit, Low Pressure, 1/4"	\$43.53
CPACK-4	#4 Tube Kit, Low Pressure, 1/4"	\$43.53
CPACK-5	#5 Tube Kit, Low Pressure, 1/4"	\$43.53
MAACK-1	#1 Tube Kit, Low Pressure, 3/8"	\$75.58
MAACK-2	#2 Tube Kit, Low Pressure, 3/8"	\$75.58
MAACK-3	#3 Tube Kit, Low Pressure, 3/8"	\$75.58
MAACK-4	#4 Tube Kit, Low Pressure, 3/8"	\$75.58
MAACK-5	#5 Tube Kit, Low Pressure, 3/8"	\$75.58



High Pressure Kit (26-100 psi)

Part #	Description	Price
HPACK-1	#1 Tube Kit, High Pressure, 1/4"	\$51.32
HPACK-2	#2 Tube Kit, High Pressure, 1/4"	\$51.32
HPACK-7	#7 Tube Kit, High Pressure, 1/4"	\$51.32
MAHPK-1	#1 Tube Kit, High Pressure, 3/8"	\$84.83
MAHPK-2	#2 Tube Kit, High Pressure, 3/8"	\$84.83
MAHPK-7	#7 Tube Kit, High Pressure, 3/8"	\$84.83

MISCELLANEOUS PARTS



Accessories

Part #	Description	Price
UCAK100	1/4" Connecting Nut, 10/pk	\$20.01
MCAK100	1/4" Connecting Nut, 24/pk	\$42.97
MANUT00	3/8" Connecting Nut, 1/pk	\$2.83
UCADPTR	3/8" Connecting Nut with Adapter, 2/pk	\$14.61
MCADPTR	3/8" Connecting Nut with Adapter, 5/pk	\$33.69
UCAK200	1/4" Ferrule, 10/pk	\$9.01
MCAK200	1/4" Ferrule, 24/pk	\$13.68
MAGRE55	Aquashield®, 5.5 oz Tube	\$29.92
AK600	1/4" Flow Indicator with Bracket	\$21.33
AK700	3/8" Flow Indicator with Bracket	\$21.33
ST114	1/4" Suction Line Strainer with Weight, 1/pk	\$22.74
ST138	3/8" Suction Line Strainer with Weight, 1/pk	\$22.74

TAYLOR TEST KITS

2000 SERIES

The 2000 Series of kits is designed for the kind of comprehensive, routine testing performed by service technicians and commercial pool operators. Each kit has waterproof instructions, reagents, comparator and a case.

K-2000 Starter Kit

A starter, high range kit test for free and total chlorine (1–10 ppm), bromine (2–20 ppm), pH (7.0–8.0) and acid and base demand. Includes color comparator, waterproof instruction and treatment charts.



Part #	Description	Size	Price
K-2000	Starter Kit	0.75 oz	\$43.75

FAS/DPD TITRATION

These kits use a balancing reagent known as a titrant and a visual end point is easily observed. Offering improved accuracy and eliminates color matching and has the ability to test chlorine levels from 0.2 up to 20 ppm with ease.

K-2005 or K-2005-C Service Complete (High)

This complete (high range) test kit, includes a printed color comparator, waterproof instructions and treatment charts, chemistry guide and watergram. It tests for free and total chlorine (1–10 ppm), bromine (2–20 ppm), pH (7.0–8.0), acid and base demand, total alkalinity, calcium hardness and cyanuric acid.



Part #	Description	Size	Price
K-2005	Complete High	0.75 oz	\$66.14
K-2005-C	Complete Service High	2 oz	\$115.70

K-2006 or K-2006-C Complete FAS/DPD Chlorine K-2106 Complete FAS/DPD Bromine

This test kit uses the 9058 comparator and the sanitizer tests are titrations for improved accuracy. It test for free and total chlorine, bromine, pH, acid demand, total alkalinity, calcium hardness and cyanuric acid.



Part #	Description	Size	Price
K-2006	Chlorine Complete FAS/DPD	0.75 oz	\$88.94
K-2006-C	Chlorine Service Complete FAS/DPD	2 oz	\$136.84
K-2106	Bromine Complete FAS/DPD (No CYA Test Included)	0.75 oz	\$86.16

COMMERCIAL SERIES

The Slide™ comparators in this series gives the most accurate for colorimetric readings.

K-1765H DPD Chlorine (High & pH Slide)

Tests for free and total chlorine (1–10 ppm) and pH (6.8–8.4).

K-1787 Taylor Bromine DPD (Low) & pH Commercial

This kit tests for Bromine DPD (0–3.0 ppm) and pH (6.8–8.4) using slide comparators.



COMMERCIAL SERIES

K-1264 Copper & Iron Midgets Basic/Starter 2000

This kit tests for copper (0.2–3.0 ppm) and iron (0–2.0 ppm) using a midget comparator which provides the most accurate color-metric readings available, short of electronic instrumentation.



K-1515-A or K-1515-C FAS/DPD Titration Chlorine K-1517-A or K-1517-C FAS/DPD Titration Bromine

FAS/DPD the solution changes from color to no color. With FAS/DPD titration you can read free and combined chlorine directly, without subtraction, eliminate color matching pinks. Includes sample tube, DPD powder, FAS/DPD titrating reagent, and waterproof instructions.



K-1518 FAS/DPD Chlorine (Free & Combined) Monosulfate Compound

FAS/DPD testing for free and combined chlorine, with the addition of the monopersulfate deox reagent to remove the interference of non-chlorine shock. Includes sample tube, DPD powder, FAS/DPD titrating reagent, deox reagent and waterproof instructions.



K-1720 Cyanuric Acid “Stabilizer Level”

Cyanuric Acid (20–100 ppm) using a graduated test tube. Includes test tube, 15 ml sample bottle and (4) cyanuric acid reagents.



K-1764 Total Dissolved Solids (TDS)

Excessively high TDS will cause the water to look dull or “tired”, use more disinfectant and can contribute to galvanic corrosion. Knowing your TDS and checking periodically to add fresh water to reduce TDS is a good practice. Everything you need is in the kit, reagents, sample tubes and instructions.



K-1579 Chlorine (Bleach) Drop

When you buy bleach solutions in bulk, test to be sure you are getting the full strength you are paying for. Drop test; 1 drop = 10 or 100 ppm.



K-1818 Ozone DPD (0–2.0 ppm) Slide Test Kit

Color comparison with slide comparator (using DPD); 0, 0.15, 0.3, 0.4, 0.5, 0.7, 1.0, 1.3, 2.0 ppm O₃.



Part #	Description	Size	Price
K-1765-H	Slide Comparator Chlorine	2 oz	\$189.55
K-1787	Slide Comparator Bromine	2 oz	\$181.23
K-1264	Combination Midget Iron/Copper Test	0.75 oz	\$121.39
K-1515-A	FAS/DPD Chlorine	0.75 oz	\$35.58
K-1515-C	FAS/DPD Chlorine	2 oz	\$76.10
K-1517-A	FAS/DPD Bromine	0.75 oz	\$48.34
K-1517-C	FAS/DPD Bromine	2 oz	\$75.68
K-1518	FAS/DPD Chlorine	2 oz	\$91.31
K-1720	Cyanuric Acid “Stabilizer Level”	2 oz	\$66.84
K-1764	Total Dissolved Solids (TDS)	2 oz	\$74.71
K-1579	Chlorine Bleach (Sodium Hypochlorite)	2 oz	\$111.39
K-1818	Ozone	2 oz	\$159.07

TAYLOR REAGENTS**Reagents**
0.75 oz (A) or 2 oz (C)

Please indicate size of reagent.



Part #	Description	Size	Price
R-0001-A	DPD #1	0.75 oz	\$4.41
R-0001-C	DPD #1	2 oz	\$8.20
R-0002-A	DPD #2	0.75 oz	\$4.40
R-0002-C	DPD #2	2 oz	\$8.17
R-0003-A	DPD #3	0.75 oz	\$4.58
R-0003-C	DPD #3	2 oz	\$8.61
R-1003J-A	pH Solution*	0.75 oz	\$5.75
R-1003J-C	pH Solution*	2 oz	\$6.68
R-1003J-D	pH Solution*	4 oz	\$11.62
R-0004-A	Phenol Red**	0.75 oz	\$4.04
R-0004-C	Phenol Red**	2 oz	\$6.15
R-0004-D	Phenol Red**	4 oz	\$12.65
R-0005-A	Acid Demand	0.75 oz	\$4.02
R-0005-C	Acid Demand	2 oz	\$5.95
R-0006-A	Base Demand	0.75 oz	\$4.02
R-0006-C	Base Demand	2 oz	\$5.67
R-0007-A	Thiosulfate	0.75 oz	\$3.74
R-0007-C	Thiosulfate	2 oz	\$5.46
R-0008-A	Total Alkalinity	0.75 oz	\$4.07
R-0008-C	Total Alkalinity	2 oz	\$5.69
R-0009-A	Sulfuric Acid	0.75 oz	\$3.66
R-0009-C	Sulfuric Acid	2 oz	\$5.32
R-0010-A	Calcium Buffer	0.75 oz	\$4.40
R-0010-C	Calcium Buffer	2 oz	\$6.58
R-0011L-A	Calcium Indicator	0.75 oz	\$6.34
R-0011L-C	Calcium Indicator	2 oz	\$9.35
R-0012-A	Hardness	0.75 oz	\$4.29
R-0012-C	Hardness	2 oz	\$6.04
R-0013-A	Cyanuric	0.75 oz	\$4.95
R-0013-C	Cyanuric	2 oz	\$5.33
R-0860-A	Copper #1	0.75 oz	\$8.27
R-0860-C	Copper #1	2 oz	\$8.83
R-0861-A	Copper #2	0.75 oz	\$8.24
R-0861-C	Copper #2	2 oz	\$9.38
R-0867-A	Deox	0.75 oz	\$12.86
R-0867-C	Deox	2 oz	\$17.96
R-0871-A	FAS/DPD Chlorine	0.75 oz	\$10.42
R-0871-C	FAS/DPD Chlorine	2 oz	\$12.01
R-0872-A	FAS/DPD Bromine	0.75 oz	\$10.52
R-0872-C	FAS/DPD Bromine	2 oz	\$12.46
R-0870-I	DPD Powder	10 g	\$8.80

*pH Solution R-1003J-A, C or D is used with a slide test kit

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

**LAMOTTE****TesTab Reagents**

Part #	Description	Price
6999A-J	Chlorine DPD #1 RAPID, 100/pk	\$6.85
6905A-J	Chlorine DPD #3 RAPID, 100/pk	\$6.85
6915A-J	pH, Phenol Red, 100/pk	\$6.85
3920A-J	Alkalinity Test, 100/pk	\$6.85
6994A-J	Cyanuric Acid, 100/pk	\$8.42
6846A-J	Calcium Hardness, 100/pk	\$6.85

TAYLOR ACCESSORIES

Guide book (#2004B) amplifies the test kit instructions and should be read to use these items properly.

Test comparator (#9056) has been updated. The Chlorine side now test up to 10 ppm and the Bromine side now test up to 20 ppm and there is a new format on the back for Cyanuric Acid testing. If you have the old style order your NEW style Today!

**TAYLOR ACCESSORIES**

	Part #	Description	Price
A	2004B	Pool & Spa Water Chemistry Booklet	\$8.83
B	4024	Test Cell, Plastic, 11.5 ml (Cap #3243)	\$6.42
C	3243	Cap for Test Cell (#4024)	\$2.56
E	4025	Test Cell, Plastic, 5.0 ml (Cap #3267)	\$6.13
F	3267	Cap for Test Cell (#4025)	\$2.44
G	6002	Cleaner Brush for Test Cell	\$3.15
H	6026	Watergram Wheel	\$7.50
I	9198	Graduated Sample Tube, Plastic, 25 ml with Two Caps	\$5.39
J	9199	Lightbox, Gepe Slim Lite with Adapter, Batteries & Case	\$147.37
	9195	Dalite for Slide Comparator, Replaced by Part #9199	—
	3020	Light Bulb, 25 Watt (for #9195 & #9196), Discontinued	—
K	9082	Chlorine Slide, DPD 0–3.0 ppm	\$65.63
L	9083	Chlorine Slide, DPD 1.0–10.0 ppm	\$65.63
M	9067	pH Slide, 6.8–8.4 ppm	\$65.63
N	9236	Bromine Slide, DPD 2.0–10.0 ppm	\$65.63
O	4028	Dropper, Plastic, 0.5 ml with Cap	\$3.77
P	4029	Dropper, Plastic, 0.5 & 1 ml	\$3.81
Q	9056	2000 Series Comparator, Bromine & Chlorine (Hi Range), DPD/pH, 7.0–8.0	\$10.67
R	9058	2000 Series Comparator, Bromine & Chlorine, FAS/DPD/pH, 7.0–8.0	\$11.48

HACH®

	Part #	Description	Price
	21132	Phenol Red Indicator, 100 ml (Not Shown)	\$26.98
A	2197846	DPD-Free Chlorine Pillow, 50/pk	\$22.27
A	2198246	DPD Total Chlorine Pillow, 50/pk	\$22.27
D	44453	SPADNS Reagent, 1 L	\$66.32

D.E. FILTER



REGENERATIVE FILTER

Regenerative filters are making their way into the aquatics industry as state-of-the-art swimming pool filtration providing the best water quality possible and cost savings with water conservation, less chemical and heat replacement.

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 equals 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 media filters are a great choice especially if your facility will have or already has a large bather load.

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 a Sales Representative. [Get your free consultation today, 630-771-1310.](tel:630-771-1310)



D.E. GRIDS



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

Part #	Description	Price
FG-1002	Full Grid, 12" Long for 24 sq. ft.	\$19.09
FG-1003	Full Grid, 18" Long for 36 sq. ft.	\$25.91
FG-1004	Full Grid, 24" Long for 48 sq. ft.	\$31.84
FG-1005	Full Grid, 30" Long for 60 sq. ft.	\$39.42
FG-1006	Full Grid, 36" Long for 72 sq. ft.	\$45.93
PG-1902	Partial Grid, 12" Long for 24 sq. ft.	\$21.73
PG-1903	Partial Grid, 18" Long for 36 sq. ft.	\$25.45
PG-1904	Partial Grid, 24" Long for 48 sq. ft.	\$33.35
PG-1905	Partial Grid, 30" Long for 60 sq. ft.	\$40.93
PG-1906	Partial Grid, 36" Long for 72 sq. ft.	\$46.56

FILTER MEDIA FOR D.E. FILTERS

Diatomaceous Earth

Part #	Package	1-3	4-9	10+
DE25	25 lb Bag	\$24.44	\$22.02	Call for Quote



Part #	Package	1-3	4-9	10+
DE50	50 lb Bag	\$43.13	\$39.33	Call for Quote

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.

Part #	Description	Price
DESCOOP	DE Scoop	\$7.97

Pallet: 75, 25 lb Bags

Pallet: 36, 50 lb Bags

Commercial Filter Disc & Accessories (OEM – Paddock)

Part #	Description	Price
FD-2400-03	Cover Disc, 24½" O.D., 4¼" ID (4" Core)	\$258.18
FD-2400-04	Cover Disc, 24½" O.D., 4¾" ID (4" Core)	\$258.18
FDC-24-V	Cover Only, 24½" O.D., Velcro Closure	\$57.83
FDC-24-Z	Cover Only, 24½" O.D., Brass Zipper Closure	\$57.83
RCS-24D-FD*	Recover, 24½" O.D., Factory Sewn-on Cover	\$69.09
DS-2403-10	0.875 Spacer, 4¼" I.D. (3" Core)	\$27.46
DS-2403-15	1½ Spacer, 4¼" I.D. (3" Core)	\$38.65
DA-2403-CE	End Cap, Closed, 4¼" & 4¾" I.D. (3" & 4" Core)	\$73.19
DA-2403-DE	End Cap, Open, 4¼" I.D. (3" Core)	\$74.09
DA-2404-DE	End Cap, Open, 4¾" I.D. (4" Core)	\$82.37
TR-2400-36	Thru-Rod, ¼–20 Treads, 5" Both Ends, 36" Stainless Steel with Nuts & Washer	\$47.76
TR-2400-48	Thru-Rod, ¼–20 Treads, 5" Both Ends, 48" Stainless Steel with Nuts & Washer	\$55.83
TR-2400-60	Thru-Rod, ¼–20 Treads, 5" Both Ends, 60" Stainless Steel with Nuts & Washer	\$66.41

*Plus freight to and from the factory

CelaPerl®

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



Part #	Package	1-3	4-9	10+
CELAPRL12*	12 lb Bag	\$22.37	\$20.98	Call for Quote

*Equivalent to 25 lbs. of D.E.

Part #	Package	1-3	4-9	10+
CELAPRL25**	25 lb Bag	\$49.82	\$47.63	Call for Quote

**Equivalent to 50 lbs. of D.E.

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.

	Part #	Model	Filtration Area (sq. ft.)	Flow Rate (gpm)	Price
A	160340	CCP320	320	120	\$1,017.11
A	160301	CCP420	420	150	\$1,031.34
A	160332	CCP520	520	150	\$1,277.11

Clean & Clear® Plus Filter Replacement Parts

	Part #	Description	Price
1	190058	1/4" Pressure Gauge, Bottom Mount	\$34.11
2	98209800	High Flow Manual Air Relief Valve	\$24.42
6	R173572	Cartridge, 240 sq. ft., 4 Required	\$58.79
6	R173573	Cartridge, 320 sq. ft., 4 Required	\$75.20
6	R173576	Cartridge, 420 sq. ft., 4 Required	\$92.74
6	R173578	Cartridge, 520 sq. ft., 4 Required	\$108.61
10	39010200	Clamp O-Ring	\$50.42
11	190003	Clamp Kit, Tension Control	\$286.36
16	98960311	Bulkhead Union Set (For Filter Manufactured Before 11/98)	\$54.35
16	270004	Bulkhead Union Set, 1.5" x 2" Set, Black (For Filters Manufactured After 11/98)	\$54.03
16	270100	2" Adapter Kit, 2" x 2 1/2" Set, Black (For Filters Manufactured After 5/21/2005)	\$51.52

Replacement Cartridges (Generic Brand)

	Part #	Description	Price
B	C-7469	Clean & Clear, 240 sq. ft., 4 Required	\$74.23
C	C-7470	Clean & Clear, 320 sq. ft., 4 Required	\$94.95
D	C-7471	Clean & Clear, 420 sq. ft., 4 Required	\$117.69
E	C-9405	Clean & Clear, 520 sq. ft., 4 Required	\$78.95

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

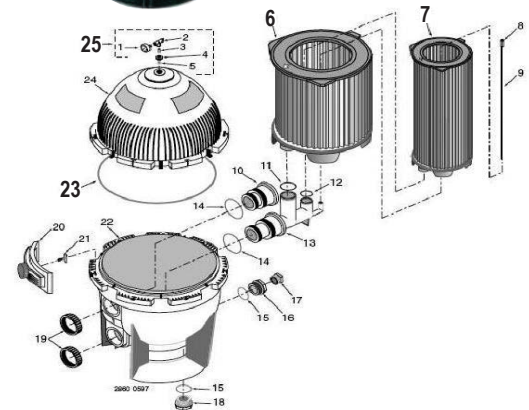
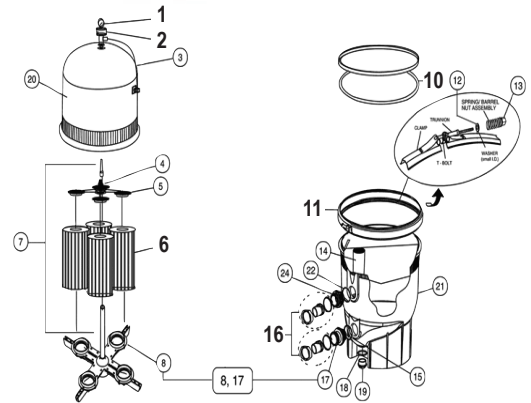
This filter incorporates the latest in media science, balanced flow and an integral manifold design. The System: 3® offers low maintenance by complete media coverage combined with shallow pleats, the ability to hold greater amounts of dirt, resulting in longer filter cycles and less cleaning.

	Part #	Filtration Area (sq. ft.)	Flow Rate (gpm)	Price
F	S7M400	400	50-115	\$1,276.26
F	S8M150	450	50-124	\$1,601.12
F	S8M500	500	50-130	\$1,644.94

Replacement Parts

	Part #	Description	Price
6	25022-0201S	Large Cartridge, S7M120, 21" Filter	\$393.53
6	25022-0224S	Large Cartridge, S7M400, 21" Filter	\$444.71
6	25022-0203S	Large Cartridge, S8M150, 25" Filter	\$525.73
6	25022-0225S	Large Cartridge, S8M500, 25" Filter	\$623.59
7	25021-0200S	Small Cartridge, S7M120	\$195.29
7	25021-0223S	Small Cartridge, S7M400	\$235.30
7	25021-0202S	Small Cartridge, S8M150	\$322.60
7	25021-0224S	Small Cartridge, S8M500	\$448.05
23	24850-0008	Cord Ring, 21" Filter, S7M120, S7M400	\$52.28
23	24850-0009	Cord Ring, 25" Filter, S8M150, S8M500	\$59.80
25	24850-0105	Valve & Gauge Assembly (Includes #1, 2, 3, 4 & 5)	\$76.84

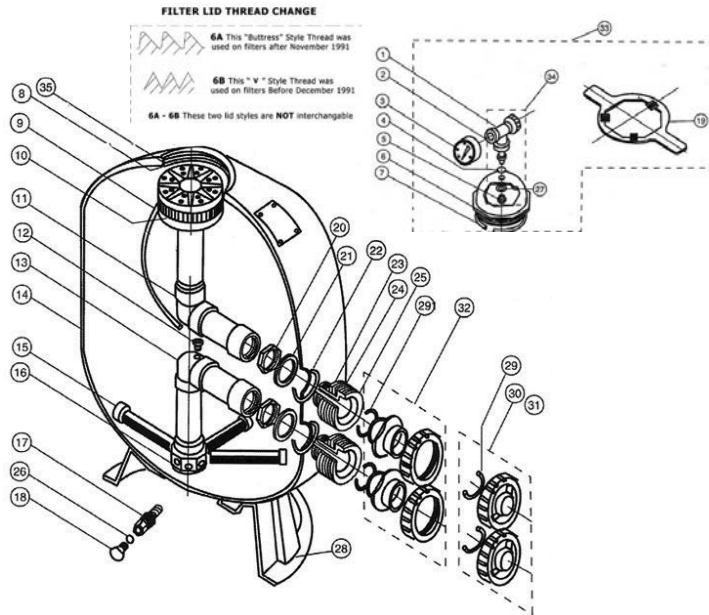
Additional cartridge filters and filter parts are available. Please call for quote, 630-771-1310.



SAND FILTERS

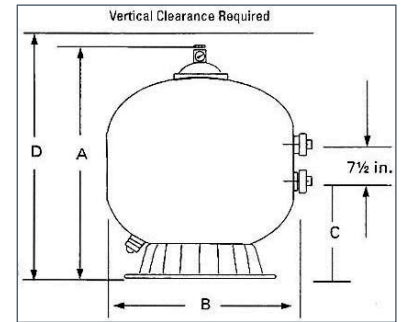
INFORMATION

Parts available, most common, with pricing listed on page 39. For all other parts please call for a price quote.



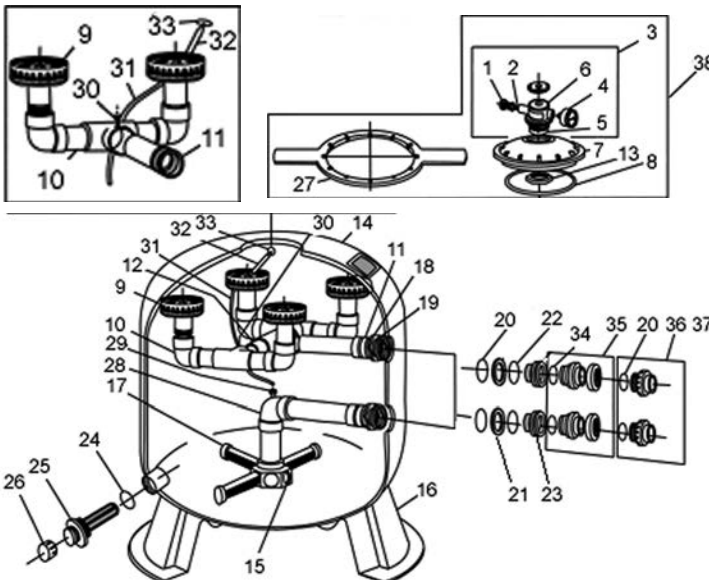
Side Mount Filters (Pentair® Triton® II High Rate)

Triton® II side mount is a fiberglass sand filter without valves. The original and still the industry standard. The patented GlasLok process creates a one-piece, fiberglass reinforced tank with UV resistant surface finish for years of unequalled strength and durability.



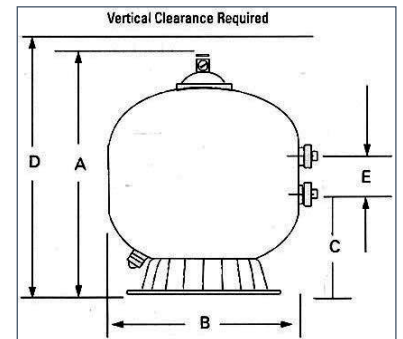
Model No.	A	B	C	D
TR 60	35 1/2"	24 1/2"	13 3/8"	37 1/2"
TR 100	39 3/4"	30 1/2"	16 1/4"	41 1/4"
TR 140	45 1/4"	36 1/2"	18 3/4"	47 1/4"

Part #	Model	Filtration Area (sq. ft.)	Flow Rate (gpm)	Pea Gravel (lbs.)	Sand (lbs.)	All Sand (lbs.)	Price
140264	TR 60	3.14	63	75	250	325	\$823.59
140210	TR 100	4.91	74	150	450	600	\$1,141.29
140243	TR 140	7.06	106	275	650	925	\$1,651.43



Commercial Sand Filters (Pentair® Triton® C)

Triton® C is a high capacity fiberglass side mount sand filter without valves. This filter series features multiple diverters for increased filtration rates in commercial applications up to 20 gpm/sq. ft.



Model No.	A	B	C	D	E
TR100C™	39 3/4"	30 1/2"	16 1/2"	43 3/4"	7 1/2"
TR140C™	45 1/4"	36 1/2"	18 3/4"	49 1/4"	7 1/2"

Part #	Model (Color)	Filtration Area (sq. ft.)	Flow Rate (gpm)	Pea Gravel (lbs.)	Sand (lbs.)	All Sand (lbs.)	Price
140315	TR100C™, Almond	4.91	98	150	450	600	\$1,187.02
140316	TR140C™, Almond	7.06	141	275	650	925	\$1,758.68

FILTER PARTS



Triton® II

	Part #	Description	Price
1	154689	Air Bleeder Tee Assembly	\$21.14
6	154570	6" Closure Btr Threaded (After 11/1/1999)	\$60.77
6	154559	6" Closure V Threaded (Before 11/1/1999)	\$47.86
9	154435	TR40 Tube Air Relief (Before 11/1/1999)	\$14.18
9	150039	TR40 Tube Air Relief (After 11/1/1999)	\$16.00
9	154436	TR50/60 Tube Air Relief (Before 11/1/1999)	\$14.18
9	154437	TR100 Tube Air Relief (Before 11/1/1999)	\$15.44
9	154438	TR140 Tube Air Relief (Before 11/1/1999)	\$19.93
9	150040	TR50/60 Tube Air Relief (After 11/1/1999)	\$16.63
9	150041	TR100 Tube Air Relief (After 11/1/1999)	\$13.18
9	150042	TR140 Tube Air Relief (After 11/1/1999)	\$12.22
15	152290	TR40/50/60 Lateral Assembly 6 ¹¹ / ₁₆ ", 8 Required	\$6.56
15	152202	TR100 Lateral Assembly 9", 8 Required	\$10.27
15	154540	TR140 Lateral Assembly 12", 8 Required	\$17.82
19	154512	Lid Wrench, Plastic	\$22.15
19	154510	Lid Wrench, Aluminum	\$165.27
24	154538	Bulkhead Gasket	\$2.08
25	154405	2" Bulkhead Fittings	\$63.21

ARE YOU WASTING MONEY?

Filter Maintenance

Do you know how dirty your filters are? Your filter, regardless of the type and size could be a contributing factor to cloudy water, chemical consumption and overall dull, dingy looking water.

If your filter is doing its job, it is capturing all the dirt, oils, and other contaminants that are floating around in your pool. While the filter helps to clean the water, what helps to clean your filter?

Although backwashing is a great way to clean out your filter, there is a little chemical that packs a huge punch to help keep your filter running at it's optimal performance.

Aqua Pure offers a specific filter cleaner for your filter. See page 10.

Aqua Pure offers several filter cleaners to rid your specific media of the contaminants that cannot be removed by simply backwashing. You can choose from a filter cleaner that can be added during the backwash cycle or one that is added directly to the filter for a specific soak time for a more intense cleaning.

FILTER PARTS



TR100C™ & TR140C™

	Part #	Description	Price
1	273512	Air Bleeder with O-Ring	\$9.82
3	273564	Manual Air Relief Body Assembly	\$87.45
4	190059	Pressure Gauge, Back Mount	\$32.45
8	152509	8½" Square Ring	\$11.24
17	152202	TR100C™ Lateral 9", 8 Required	\$10.28
17	154540	TR140C™ Lateral 12", 8 Required	\$17.82
27	154527	8½" Wrench	\$25.14

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.



Part #	Description	1-25	26-63	64+
PLSSND	50 lb Bag	\$11.96	\$11.44	Call for Quote

Pea Gravel

Part #	Description	1-25	26-55	56+
GRVL50	50 lb Bag	\$13.92	\$12.24	Call for Quote



Sand Change

The sand in your filter may be beyond the point of needing a cleaning agent. Most manufacturers suggest changing the sand in your filter every five to ten years depending on use and conditions.

Aqua Pure's experienced, knowledgeable, and professional service department can change the sand for you to allow your filter to perform at its optimal level.

At the time of a sand change, our crew inspects all aspects of your filter and provides insight and recommendations as to any other necessary repairs that may be needed.

Please call your sales rep to schedule a meeting in order to determine which method is best for you in getting your filter in tip-top shape!



VALVES & PARTS



2" Multiport Valve

	Part #	Description	Price
A	261055	2" Multiport Valve, Threaded, Sand, SM 20-3	\$240.72
A	261152	2" Multiport Valve, Threaded, D.E., SM 20-2	\$241.73

2" HiFlow Multiport Valve

	Part #	Description	Price
B	261050	2" HiFlow Sand Multiport Valve	\$211.18
B	261142	2" HiFlow D.E. Multiport Valve	\$211.70

2" Push Pull Valve (New Style 263064)

	Part #	Description	Price
C	263064	2" PVC Push Pull Slide Valve, Old #261165, Sand & D.E.	\$119.72

Valve & Parts

	Part #	Description	Price
D	270067	2" Valve Top Assembly	\$182.83
E	271148	Diverter Gasket	\$36.86
F	272422	2" HiFlow Valve Top Assembly	\$165.48
G	272409	Diverter Gasket	\$38.10
H	263055	Piston Rod Assembly	\$112.64
I	263054	O-Ring Kit	\$19.29

2" Push Pull Valve Parts (Old Style 261165)

	Part #	Description	Price
J	273109	O-Ring Kit	\$9.20
K	273089	Handle	\$13.30
L	273241	Piston Rod Assembly, Plastic	\$111.02
M	V36-177	Piston Rod Assembly, Brass	\$175.99
N	V36-185	Piston Rod Assembly O-Ring Kit	\$4.80

VALVES & PARTS



Miscellaneous Valve Parts

	Part #	Description	Price
O	272550	Sight Glass	\$12.44
P	271106	Sight Glass O-Ring	\$2.28
Q	271151	2" Cover O-Ring	\$14.92
R	274407	Bulkhead Nut	\$16.15
S	274556	Valve Adapter, Threaded	\$11.95

LUBRICANTS



Magic Lube® Teflon

A PTFE based, multipurpose sealant/lubricant, for motors, o-rings, gaskets and bearings.

Part #	Description	Price
631	Magic Lube® Teflon, 5 oz	\$17.64



Magic Lube II® Silicone Lubricant

Silicone 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.

Part #	Description	Price
651	Magic Lube II® Silicone Lubricant, 5 oz	\$21.36



Magic Lube® Green

Specially formulated to do the job of an all-purpose pool and spa lubricant/sealant providing optimum sealing and lubrication properties. Stays on o-ring longer, providing greater protection.

Part #	Description	Price
640	Magic Lube® Green, 3 oz	\$10.29

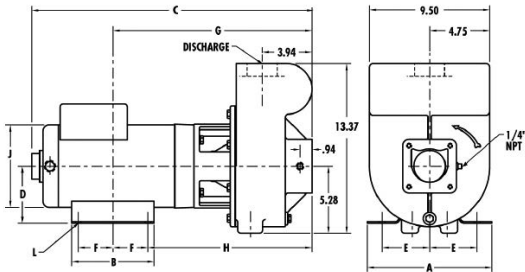
RECIRCULATION PUMPS

Sta-Rite® (D Series™ Pump)

Cast Iron Self-Priming Centrifugal Commercial Pool Pump D Series™ 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. 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.

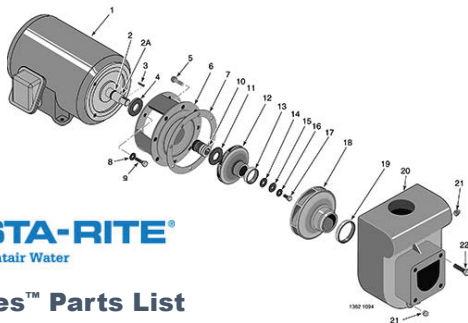


Part #	hp	Phase	Volt	Max. Load Amps	Wire Sz to 50'	Discharge Port Size	Price
DMH-171	3	1	230	17	12	2"	\$1,978.42
DMH3-171	3	3	230/460	10.6/9.6/4.8	14	2"	\$1,821.58
DMJ-172	5	1	230	28	8	2½"	\$2,438.32
DMJ3-172	5	3	230/460	16.8/15.2/7.6	12/14	2½"	\$1,944.53



Part #	hp	Discharge (NPT)	A	B	C	D	E	F	G	H	J	L*
DMH-171	3	2	8.75	6.50	21.37	4.50	3.75	2.25	15.21	12.96	6.51	0.44 SLOT
DMH3-171	3	2	6.50	6.50	19.87	3.50	2.75	2.50	14.45	12.20	6.51	0.75 DIA.
DMJ-172	5	2.5	8.75	6.50	22.12	4.50	3.75	2.75	15.71	12.96	6.51	0.44 SLOT
DMJ3-172	5	2.5	8.75	6.50	21.62	4.50	3.75	2.25	15.21	12.96	6.50	0.44 SLOT

*L mounting dimension: 0.44, Slot = 3/16", Bolt 0.34 Diameter = 5/16"



D Series™ Parts List

Part #	Description	Price
10 U109-433SS	Shaft Seal	\$112.14
12 C5-246	Impeller, Medium Head, 3 hp	\$667.19
12 C5-247	Impeller, Medium Head, 5 hp	\$660.93
12 C5-248	Impeller, High Head, 3 hp	\$609.82
12 C5-249	Impeller, High Head, 5 hp	\$569.50
17 U30-72SS	Impeller Screw, 3/8-16 x 3/4"	\$3.30
18 C101-126	Volute Diffuser with Wear Ring Medium Head, 3 hp	\$151.85
18 C101-132	Volute Diffuser with Wear Ring High Head: 3 hp, High Head: 5 hp	\$157.66
19 C21-2	Diffuser Ring	\$4.76

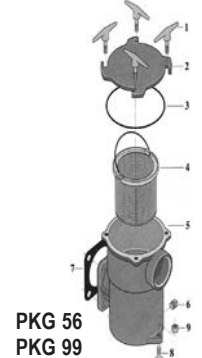
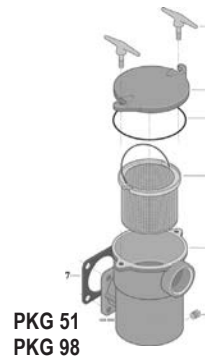
RECIRCULATION PUMPS



Sta-Rite® (Hair & Lint Package)

Hair and lint strainer package for D Series™ pumps.

Part #	Description	Suction Port Size	Price
PKG 51	6" Cast Iron Trap with Basket	2" NPT	\$214.26
PKG 56	6" Bronze Trap with Basket	2" NPT	\$608.15
PKG 98	8" Cast Iron Trap with Basket	3" NPT	\$658.90



PKG 51 & PKG 98 Replacement Parts (Cast Iron)

Part #	Description	Price
1 C154-18D	Handle Assembly 6", 51/pk has Two Each 8", 98/pk has Four Each	\$24.14
2 C3-30	Cover, 51/pk	\$62.35
2 C3-105	Cover, 98/pk	\$162.32
3 U9-46	Cord Ring, 51/pk	\$8.96
3 U9-171	Cord Ring, 98/pk	\$13.84
4 C108-11P	Strainer Basket, 51/pk	\$25.78
4 16401-0030	Strainer Basket, 98/pk	\$346.16

PKG 56 & PKG 99 Replacement Parts (Bronze)

Part #	Description	Price
1 C154-18D	Handle Assembly	\$29.14
2 C3-78D	Cover, 56/pkg	\$174.06
2 C3-105D	Cover, 99/pkg	\$375.63
3 U9-46	Cord Ring, 56/pkg	\$8.96
3 U9-171	Cord Ring, 99/pkg	\$13.84
4 C108-11P	Strainer Basket, 56/pkg	\$25.78
4 16401-0030	Strainer Basket, 99/pkg	\$346.16

INFORMATION

For all other parts please call for a price quote.

RECIRCULATION PUMPS



Pentair® Whisperflo®

Robust thermoplastic with the Cam & Ramp™ “see thru” lid design. Self-priming, high flow with patented Funnel-Flo diffusers. Two inch suction and discharge ports. Motor features threaded shaft and durable commercial duty 56 frame motor with NEMA square flange.

Features

- Two-speed Whisperflo® pump models are now ENERGY STAR® Certified: meets strict energy efficiency criteria set by the U.S. Environmental Protection Agency and the U.S. Department of Energy.
- Oversized strainer basket and volute—industry standard in pool pumps
- Standard and Energy-efficient Square Flange Motors available
- Lower hp's deliver higher performance than industry standard
- Compatible with all cleaning systems, various filters and jet action spas
- Heavy-duty/durable construction is designed for long life
- Designed for residential and commercial applications
- New motor increases life, energy, efficiency, ease of installation and better cooling for long service life



Energy Efficient, Single Speed Full Rated

Part #	Model	Voltage	AMPS	Curve Key	hp	SF	Price
011513	WFE-4	115/208-230	14.8/7.8-7.4	G	1	1.65	\$988.93
011515	WFE-8	208-230	11.0-10.2	I	2	1.30	\$1,321.90
011516	WFE-12	208-230	15.0-13.6	J	3	1.15	\$1,615.27



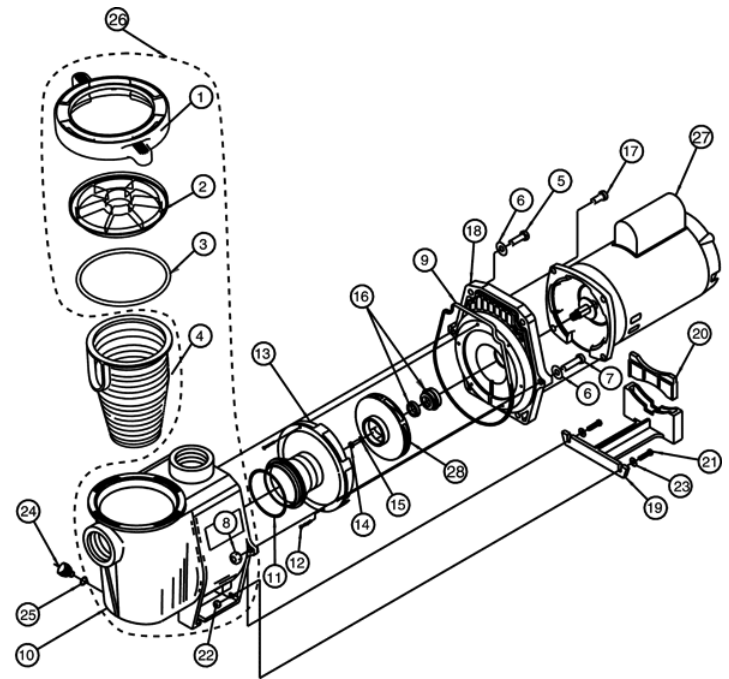
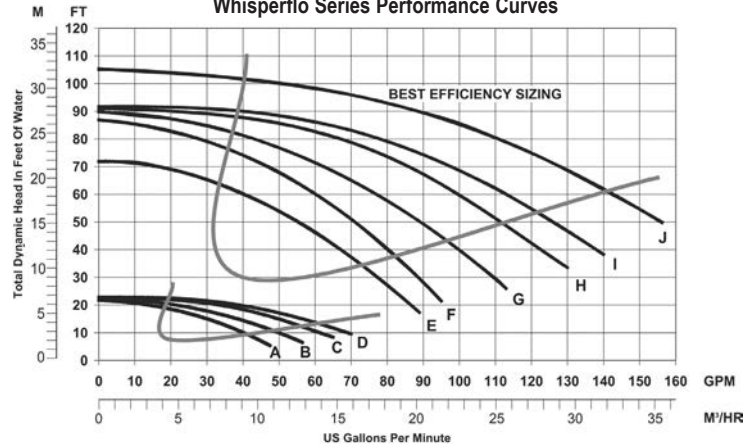
Three-Phase TEFC Super-Duty

Part #	Model	Voltage	AMPS	Curve Key	hp	SF	Price
011641	WFK-4	208-230/460	4.9-4.5/2.3	G	1	1.65	\$1,027.52
011642	WFK-6	208-230/460	6.4-6.3/3.2	H	1.5	1.47	\$1,090.17
011643	WFK-8	208-230/460	7.5-7.2/3.6	I	2	1.30	\$1,327.03
011644	WFK-12	208-230/460	9.8-9.4/4.7	K	3	1.15	\$1,587.02

Whisperflo® Pump Parts List

	Part #	Description	Price
3	350013	Cover O-Ring	\$5.26
4	070387	Basket	\$18.89
9	357100	Seal Plate Gasket, Black (2/1/08-Present)	\$7.55
11	355227	O-Ring, WFE Pump, Parker #2-238	\$8.40
16	071734S	Seal PA-7 with Ceramic Seat, PS1000	\$32.21
18	350202	Seal Plate Kit, Almond (Includes seal plate gasket, mechanical seal and seal plate)	\$205.42
28	073128	Impeller, 1 hp, WFE-4, WFK-4	\$93.71
28	073129	Impeller, 1.5 hp, WFE-6, WFK-6	\$93.71
28	073130	Impeller, 2 hp, WFE-8, WFK-8	\$93.80
28	073131	Impeller, 3 hp, WFE-12, WFK-12	\$93.80

Pentair Pool Products
Whisperflo Series Performance Curves



RECIRCULATION PUMPS



Pentair® Challenger® High Flow Pump

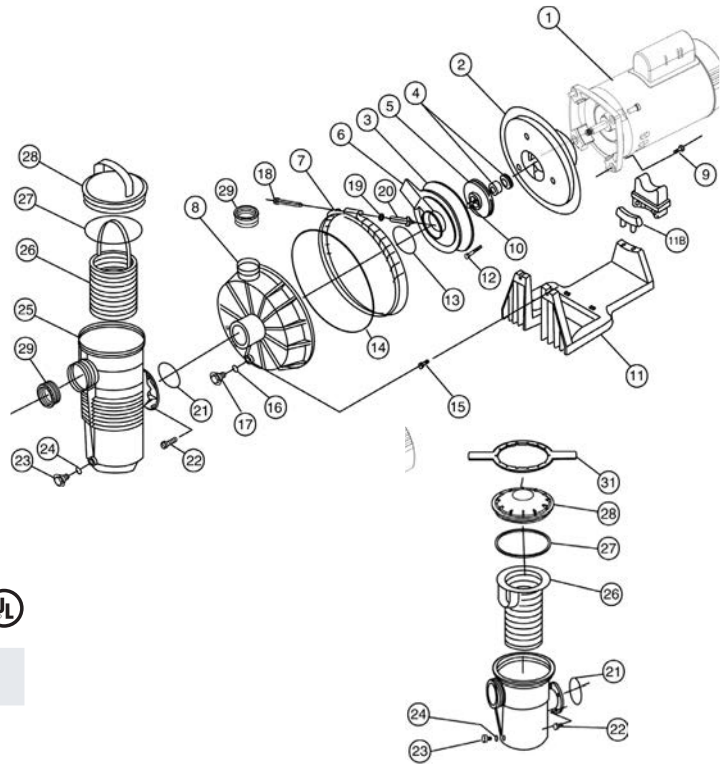
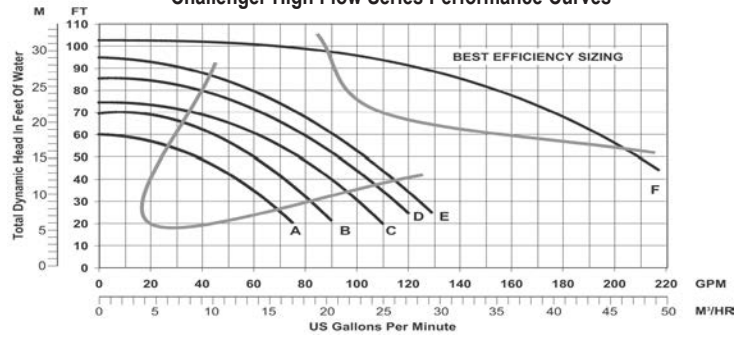
Challenger® pumps are designed specifically for applications requiring higher pressure operation to feed multiple needs beyond swimming pool water circulation, such as spa jets, in-floor cleaning systems and water features like waterfalls and fountains. Plus, they provide all that power while remaining highly efficient and delivering years of unattended performance.

Features

- Two-speed Challenger® pump models are now ENERGY STAR® Certified: meets strict energy efficiency criteria set by the U.S. Environmental Protection Agency and the U.S. Department of Energy.
- Standard 2" suction and discharge ports permit maximum operating efficiency
- Extra-large strainer basket
- Transparent strainer pot lid with comfortable handle provides easy access to strainer basket
- One-bolt stainless steel clamp removes easily to provide quick access for service
- Anti-spin-off impeller
- Dry end can easily be removed for service or winterizing without disturbing piping or pump support base
- No tool required for removing thumbscrew drain plugs for draining and winterizing
- Internal components and 2" ports provide rapid priming and quiet operation



Pentair Pool Products
Challenger High Flow Series Performance Curves



Standard Efficiency, Single Speed Up Rated

Part #	Model	Voltage	AMPS	Curve Key	hp	SF	Price
343233	CFII-N1-1A	115/230	13.2/6.2-6.6	B	1	1.25	\$841.87
343234	CFII-N1-1-1/2A	115/230	16.0/7.8-8.0	C	1.5	1.10	\$905.01
343240	CFII-N1-2-1/2A	115/230	21.0/10.0-10.5	D	2	1.10	\$990.85

Challenger® Pump Parts List

Part #	Description	Price
4 354545S	Mechanical Pump Seal, 5/8"	\$24.42
5 355067	Impeller, 1A	\$40.64
5 355074	Impeller, 1½ A	\$41.13
5 355086	Impeller, 2A	\$45.35
6 355029	Diffuser, 1A	\$38.17
6 355077	Diffuser, 1½ A, 2A	\$32.44
14 355329	Front Housing O-Ring	\$16.47
26 355318	Basket, Plastic	\$32.28
27 350013	Lid, O-Ring	\$5.26
28 355301	Strainer Pot Lid	\$50.63



RECIRCULATION PUMPS



Pentair® C Series® Commercial Bronze Pump

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 a hair and lint strainer.

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- and three-phase 50 and 60 Hz models
- 200/208 and 575 volt models available on request, call for a quote



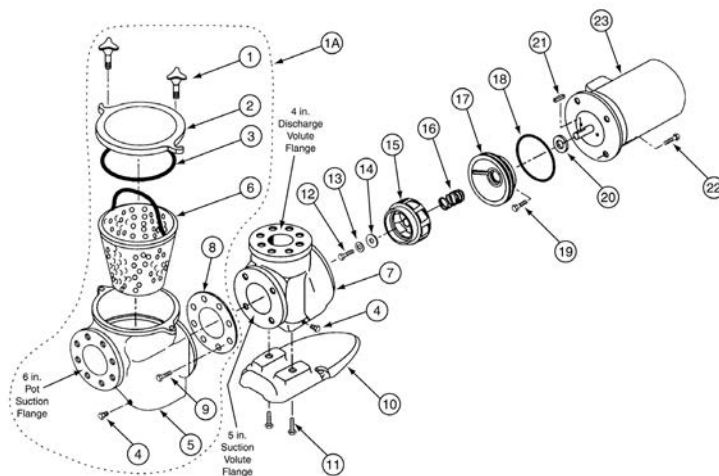
C Series® Pump

Available with and without strainer, call for quote.

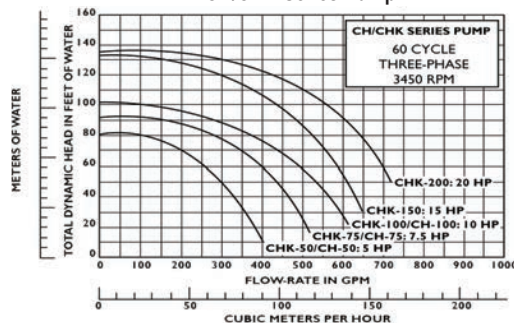
C Series® Pump Parts List

	Part #	Description	Price
1	075280	Hand Nut Assembly, Bronze, 2 Required	\$136.11
2	075275	Cover, Bronze	\$833.40
3	071433	Cover O-Ring	\$9.35
6	072795	Basket, 11", Stainless Steel	\$405.53
15	073828	Impeller, CHK-50	\$1,297.54
15	070228	Impeller, CMK-50	\$1,297.54
15	073829	Impeller, CHK-75	\$1,297.54
15	070227	Impeller, CMK-75	\$1,297.54
16	071725S	Mechanical Seal	\$49.30
17	070906	Flange, Brass	\$558.36
18	071423	Flange O-Ring	\$3.70

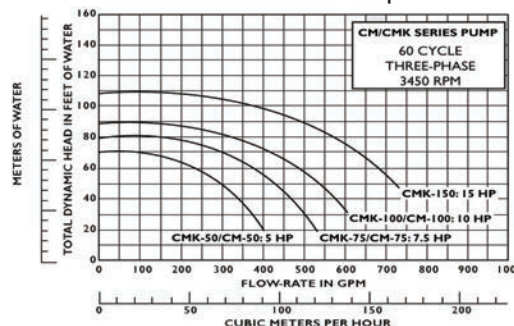
*Additional impellers and parts available call for quote



Pump Performance Curve
CH/CHK Series Pump



Pump Performance Curve
CM/CMK Series Pump



RECIRCULATION PUMPS



Pentair® WhisperfloXF™ High Performance Pump



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

- Select two-speed WhisperfloXF™ High Performance Pump models are now ENERGY STAR® Certified
- New upgraded dual-compartment motor for simplified field wiring
- New hydraulic isolator separates priming water from pumping water for faster priming, more turbulence-free flow and increased efficiency
- New union connectors included for connecting directly to 2½" or 3" plumbing
- Diamond seals made of oxidation-resistant, self-retaining EPDM rubber for increased durability and tighter seal
- Extra-large, robust basket with smooth surface for easy debris removal
- 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



Energy Efficient, Single Speed Full Rated

Part #	Model	Voltage	AMPS	hp	SF	Price
022009	XFE-8	208-230	11.0-10.2	2	1.3	\$1,171.75
022010	XFE-12	208-230	15.0-13.6	3	1.15	\$1,597.70
022011	XFE-20	208-230	22.0-23.0	5	1.0	\$2,785.33

Three-Phase TEFC Super-Duty



Part #	Model	Voltage	AMPS	hp	SF	Price
022017	XFK-8	208-230/460	5.9-5.6/2.8	2	1.2	\$1,460.87
022018	XFK-12	208-230/460	8.3-7.8/3.9	3	1.15	\$1,666.76
022019	XFK-20	208-230/460	13.9-13.1/6.6	5	1.0	\$2,897.95



Pentair® EQ SERIES® High Performance Commercial Pump

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. Available with and without the strainer pot. Available 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
- Self-priming with Hair and Lint Strainer
- Close coupled for quiet, stable flow operation
- Lightweight for easy, one-man installation
- Clear Cam and Ramp™ Lid for added service convenience
- 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- and three-phase models
- 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

Part #	Model	Voltage	AMPS	hp	SF	Price
340608	EQKT-500	208-230/460	13.4-12.2/6.1	5	1.25	Call for Quote
340609	EQKT-750	208-230/460	19.9-17.8/8.9	7.5	1.25	Call for Quote
340610	EQKT-1000	208-230/460	26.4-23.5/11.7	10	1.25	Call for Quote

Premium Efficiency Three Phase with Strainer TEFC

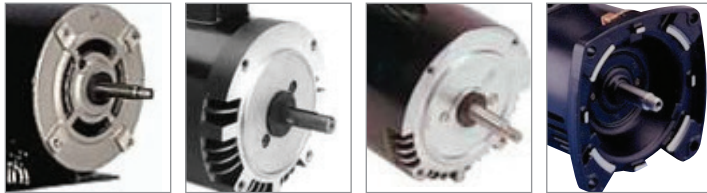
Part #	Model	Voltage	AMPS	hp	SF	Price
340604	EQKT-500	208-230/460	13.4-12.2/6.1	5	1.25	Call for Quote
340605	EQKT-750	208-230/460	19.9-17.8/8.9	7.5	1.25	Call for Quote
340606	EQKT-1000	208-230/460	26.4-23.5/11.7	10	1.25	Call for Quote

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 five 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.

UPRATED VS. FULL RATED EXPLAINED

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 uprated 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 uprated 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
ROT = CCWPE	PH 1 CODE L
RPM 3450	FR 56J
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

PUMP SEALS



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.



Replacement Pump Seals

	Part #	Manufacturer	Pump Type	Generic Part #	Price
A	SPX1600Z2	Hayward®	Max-Flo™	AS-201, AS-1521, PS-201, PSR-201, PSR-201V	\$17.89
B	354545S	Pentair®	Challenger®	AS-200, PS-200, PSR-200, PSR-200V	\$24.42
C	071725S	Pentair®	C Series® (CH/CHK)	AS-360	\$40.34
D	071734S	Pentair®	Whisperflo®	AS-1000, PS-1000, PSR-1000, PSR-1000V	\$32.21
E	37400-0028S	Pentair®	WhisperfloXF™	PS-3868, PSR-201V	\$23.59
F	17351-0101S	Pentair® – Sta-Rite®	Max-E-Pro®	AS-201, PS-201	\$15.28
G	17304-0100S	Pentair® – Sta-Rite®	Max-E-Glas® & Dura-Glas®	AS-200, PS-200	\$11.86

CENTURY® & A.O. SMITH® MOTORS
Square Flange

Part #	Description
56Y	Frame (6½" Diameter of Body)
48Y	Frame (5½" Diameter of Body)
56Y	Frame Motor Replacement (Aquaflow-Dominator®, Challenger®, Jacuzzi Bros.-Cygnet®, Pentair®, Pinnacle®, Whisperflo® & Ultra Flow®)
48Y	Frame Motor Replacement (Sta-Rite®, Duraglas®, Duraglas® II, Max-E Glass® & Max-E Glass® II)


Square Flange (56Y Frame)
Low Service Factor (Up-Rate)

Part #	hp	SF	Volts	Price
B852	¾	1.25	115/230	\$279.56
B853	1	1.25	115/230	\$317.14
B854	1½	1.10	115/230	\$369.13
B855	2	1.10	230	\$410.72
B840	2½	1.04	230	\$504.34
B1000	5	1.00	208-230	\$959.16

Three-Phase High Service Factor (Full-Rate)

Part #	hp	SF	Volts	Price
H492	¾	1.65	208-230/460	\$403.60
H635	1	1.65	208-230/460	\$453.33
H636	1½	1.47	208-230/460	\$575.71
H637	2	1.30	208-230/460	\$614.51
H755	3	1.15	208-230/460	\$661.41
H995	5	1.00	208-230/460	\$854.40


Square Flange (48Y Frame)
Low Service Factor (Up-Rate)

Part #	hp	SF	Volts	Price
USQ1052	½	1.30	115/230	\$247.79
USQ1072	¾	1.27	115/230	\$249.83
USQ1102	1	1.25	115/230	\$302.50
USQ1202	2	1.10	230	\$414.61
USQ1252	2½	1.00	230	\$505.20

Energy Efficient High Service Factor (Full-Rate)

Part #	hp	SF	Volts	Price
QC1052	½	1.90	115/230	\$232.57
QC1072	¾	1.65	115/230	\$260.68
QC1102	1	1.65	115/230	\$294.58
SQ1152	1½	1.47	230	\$364.70
SQ1202	2	1.30	230	\$447.98
SQ1302V1	3	1.15	230	\$553.82

CENTURY® & A.O. SMITH®

Coupled-Closed

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

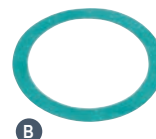
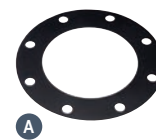
Part #	hp	Phase	Frame	SF	Volts	Price
P130	3	1	182JM	1.15	230	\$820.43
P231	5	1	184JM	1.15	230	\$1,209.10
TCP81004	3	3	145JM	1.15	230/460	\$704.86
TCP11005	5	3	182JM	1.15	230/460	\$775.37
TCP11006	7½	3	184JM	1.15	230/460	\$985.27
E371ME	10	3	213JM	1.15	230/460	\$1,188.31
E377E	15	3	213JM	1.15	230/460	\$1,457.59


CMK/CHK Three-Phase

Part #	hp	Frame	SF	Volts	Price
R237	5	182TY	1.15	208-220/440	\$1,584.39
R232	7½	184TY	1.15	208-220/440	\$1,655.42
R338	10	213TY	1.15	208-220/440	\$2,413.75
R339	15	215TY	1.15	208-220/440	\$2,713.69

FLANGES & GASKETS
Buna Flanges & Ring Gaskets

	Part #	Description	Price
A	GK1-020	2" Buna Flange Gasket	\$6.93
A	GK1-025	2½" Buna Flange Gasket	\$9.05
A	GK1-030	3" Buna Flange Gasket	\$10.97
A	GK1-040	4" Buna Flange Gasket	\$16.82
A	GK1-060	6" Buna Flange Gasket	\$18.12
A	GK1-080	8" Buna Flange Gasket	\$23.70
B	RG02	2" #150, 1/16" 8500 Green Gasket	\$6.17
B	RG25	2½" #150, 1/16" 8500 Green Gasket	\$6.59
B	RG03	3" #150, 1/16" 8500 Green Gasket	\$6.63
B	RG04	4" #150, 1/16" 8500 Green Gasket	\$7.58
B	RG06	6" #150, 1/16" 8500 Green Gasket	\$9.04
B	RG08	8" #150, 1/16" 8500 Green Gasket	\$11.06



PVC PARTS & VALVES

Bray 30-119 Series Butterfly Valve

175 psi Wafer 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

Part #	Description	Price
1391	2½" Bray Butterfly Valve	\$162.24
1392	3" Bray Butterfly Valve	\$176.45
1393	4" Bray Butterfly Valve	\$211.72
1395	6" Bray Butterfly Valve	\$386.08
1396	8" Bray Butterfly Valve	\$483.13



ASCO Valves 2-Way Solenoid Valve

Part #	Description	Price
8210G002	½" Standard, Normally Closed	\$189.51
8210G004	1" Standard, Normally Closed	\$361.79
8210G022	1½" Standard, Normally Closed	\$654.77
8210G100	2" Standard, Normally Closed	\$1,145.96

PVC Sch. 80, Nipples

Part #	Description	Price
882-005	½" Closed	\$2.42
882-015	½" x 1½"	\$2.42
882-020	½" x 2"	\$2.63
882-030	½" x 3"	\$3.00



PVC Sch. 80, Reducer

Part #	Description	Price
839-072	Bushing, ½" x ¼", MIPT x FIPT	\$13.50



PVC Sch. 80, Union, Viton

Part #	Description	Price
8057-005	½" Socket	\$13.59
8057-010	1" Socket	\$19.69
8057-020	2" Socket	\$60.06



PVC Sch. 80, True Union Ball Valves, Viton

Part #	Description	Price
2339-005	½" Standard	\$70.56
2339-010	1" Standard	\$99.53
2339-020	2" Standard	\$216.35



PVC PARTS & VALVES

PVC Sch. 40 & 80, Single Entry Ball Valve

Part #	Description	Price
6631-005	½" Grey, Viton	\$26.40
2621-005	½" White, EPDM	\$10.38



PVC Sch. 80, True Union 2000 Ball Valve, FKM

Part #	Description	Price
3639-005	½" Soc x FPT	\$49.01
3639-007	¾" Soc x FPT	\$57.97
3639-010	1" Soc x FPT	\$69.14
3639-012	1¼" Soc x FPT	\$109.60
3639-015	1½" Soc x FPT	\$114.81
3639-020	2" Soc x FPT	\$150.27

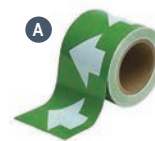


PVC Wafer Butterfly Valves, EPDM with Handle & Gasket

Part #	Description	Price
722311-020	2" PVC Wafer Butterfly Valve	\$323.32
722311-030	3" PVC Wafer Butterfly Valve	\$348.23
722311-040	4" PVC Wafer Butterfly Valve	\$402.98
722311-060	6" PVC Wafer Butterfly Valve	\$596.99
722311-080	8" PVC Wafer Butterfly Valve	\$1,014.86



PIPE TAPE



Directional Arrow Tape (Sold Per Foot)

	Part #	Description	Price/Ft
A	D3613WG	Backwash Pipe Tape, Green with White Arrows	\$5.20
B	D3613BY	Unfiltered Pipe Tape, Yellow with Black Arrows	\$5.22
C	D3613WB	Filtered Water Return Pipe Tape, Blue with White Arrows	\$4.99

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.

Part #	Description	Price
K1100CKA	Jandy® K1100CKA Levolor 220V but Field Adjusted to 110V with 50' Sensor Lead, 1" Valve	\$493.31

**Warrick® Automatic Level Control**

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)

Designed for either differential or single-level service. U.L. "Motor Controller" listing, 8-pin socket with screw-type connections make the unit easy to install and service. Sensitivity of up to 1 million ohm/cm.

Part #	Description	Price
A 16ML1A1	Warrick® Solid State Level Controller	\$395.29
B 16ML1A0	Controller Relay Replacement Less Housing	\$268.59
C 16MB1A0	Warrick® Module with Socket	\$308.86



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.

Part #	Description	Price
E 3E2B	Electrode Fitting Threaded for 2 Electrodes	\$336.41
E 3E3B	Electrode Fitting Threaded for 3 Electrodes	\$435.00

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.

Part #	Description	Price
F 3F2E	Electrode Fitting Flanged for 2 Electrodes	\$443.52
F 3F3E	Electrode Fitting Flanged for 3 Electrodes	\$532.35
G 3R1C0*	Electrode Rod, 1' Length	\$37.00
G 3R2C0*	Electrode Rod, 2' Length	\$59.77
G 3R3C0*	Electrode Rod, 3' Length	\$82.01
G 3R4C0*	Electrode Rod, 4' Length	\$104.91
G 3R5C0*	Electrode Rod, 5' Length	\$127.69

*The third character in item number (3R*C0) indicates rod length. Please designate length when ordering. Add \$15.95 for each additional foot.

CONTROL VALVES

**Carlo Gavazzi Level Sensor**

Part #	Description	Price
A S194-156-115	Amplifier	\$321.48
B A94-10	Sensor	\$170.29
C ZPD11	11 – Pole Socket	\$22.50

Electric Solenoid Valve

Part #	Description	Price
D TFFV100T110V	1", 110V, without Flow Control	\$93.83
E TFFV100TF110V	1", 110V, with Flow Control	\$98.45

Modulating Float Control Valve

Part #	Description	Price
F 1418	½" Modulating Float Control Valve Stainless Steel & Bronze	\$1,395.40
G BFV3/4	¾" Brass Modulating Float Valve-Brass Rod & Plastic Float	\$110.36
H PS75SS	¾" Kerrick Modulating Float Valve	\$85.60

Mer-Made® Level Control Valve

Level control valves are used in situations which require that the valve be able to shut tightly ("bubble tight") when the system is not operating. This is always required on open top vacuum type filters that are located below the pool water level. They are also required when an open surge tank is similarly located. These valves are closed by powerful spring actuators. They are opened by water pressure from the main circulating pump. When no water pressure is present due to a shutdown of the circulation system, the spring actuator forces the butterfly valve closed. These valves are more accurately machined for close tolerances. You will note that they give less resistance to flow, at any given flow rate, when comparing the flow charts for this type valve to those of a modulating valve. A similar sized level control valve does not need to be set as deep as a modulating valve to achieve the same flow or pool turnover rate. Also, the pilot valve allows one to hold a water level above the valve depth, as long as the operating level provides a difference between water levels sufficient to provide flow. The level control valve actuator is a spring to close type that will open when pressure is applied to the underside of the diaphragm. The pilot valve acts as a controller. As water level in the tank drops, the pilot closes and bleeds off less water from the supply line, thereby increasing pressure on the actuator diaphragm, opening the LCV and allowing more water to flow into the tank. Conversely, when the water level rises the pilot valve bleeds more water and less pressure is applied to the actuator allowing the spring to close the valve. On system shut down no pressure is applied to the actuator and the spring closes the valve tightly.



Part #	Description	Price
LCV-6	6" Level Control Valve with Accessory Kit	Call for Quote
LCV-8	8" Level Control Valve with Accessory Kit	Call for Quote

*Additional sizes available: 4", 10" & 12"

THERMOMETERS



	Part #	Description	Price
Pool Water Thermometers			
A	PS088	Chrome-Plated Thermometer with Cord	\$12.63
B	PS080	Jim Buoy Thermometer with String	\$6.87
In-Line Thermometers			
C	SL2D	Pentair® 50/220 °F with ½" NPT, Threaded	\$100.80
D	SL1DW	Pentair® 30/130 °F In-Line Thermometer with Nylon Well Pipe	\$71.30
E	SWN	Nylon Well Pipe Only for In-Line Thermometer	\$13.56
Industrial Thermometers			
F	21115	In-Line Vari-Angle with 3½" Separable Brass Socket	\$93.84
G	21125	In-Line Angle Form with 3½" Separable Brass Socket	\$77.81
H	21120	In-Line Straight with 3½" Separable Brass Socket	\$117.21
I	SX93575	9" Adjustable Angle, 0–160 °F, 4" Bottom Stem for Installation of ¼" NPT, Separable Brass Socket	\$122.71
J	W35B	Brass Well for SX93575	\$31.08

GAUGES



	Part #	Description	Price
Plastic, Bottom Mount			
A	1354	2" Vacuum, 30/0 HG	\$10.70
B	1354-60	2" Pressure, 0/60 psi	\$10.64
Stainless Steel, Bottom Mount			
C	M204LBVAC	2" Vacuum, 30/0 HG	\$10.18
D	M204LB60	2" Pressure, 0/60 psi	\$11.19
E	H454LSVAC	4½" Vacuum, 30/0 HG	\$38.98
F	H454LS60	4½" Pressure, 0/60 psi	\$27.92
Stainless Steel, Back Mount			
G	M204RBVAC	2" Vacuum, 30/0 HG	\$10.98
H	M204RB60	2" Pressure, 0/60 psi	\$11.59
Stainless Steel, Bottom Mount, Liquid Filled			
I	BG254LBVAC	2½" Vacuum, 30/0 HG	\$23.80
J	BG254LB60	2½" Pressure, 0/60 psi	\$27.62
K	BG254LBVAC60	2½" Compound, 30/0 HG, 0/60 psi	\$27.97
Stainless Steel, Back Mount, Liquid Filled			
L	BG254RBVAC	2½" Vacuum, 30/0 HG	\$22.97
M	BG254RB60	2½" Pressure, 0/60 psi	\$25.68
N	BG254RBVAC60	2½" Compound, 30/0 HG, 0/60 psi	\$25.02
Neptune Benson Filter Gauge			
	150707050C	4½" Neptune Benson Gauge Pressure	\$109.02

ILLINOIS DEPARTMENT OF PUBLIC HEALTH

TITLE 77: PUBLIC HEALTH CHAPTER I: DEPARTMENT OF PUBLIC HEALTH SUBCHAPTER: RECREATIONAL FACILITIES 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 suction 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.

BLUE-WHITE INDUSTRIES, LTD.®

BLUE-WHITE INDUSTRIES, LTD.®

F-300 Series Flowmeter

Features

- Well suited for closed pipe installation
- Easy to read dual scale (gpm/LPM), screen printed on both sides of the meter body
- Horizontal or vertical pipe installation
- One piece machined acrylic meter body
- Corrosion resistant internal parts
- Saddle type connection

For Horizontal Pipe Installation

PVC Pipe Schedule 40 (IPS Pipe ASTM – D-1785) or Copper Tube Type “K” or “L”



Part #	GPM Std. Flow*	PVC Pipe* or Low Flow	Copper** Tube Size	Price
F-30100P*	5–35	2–10	1" Pipe	\$80.83
F-30125P*	15–75	5–35	1¼" Pipe	\$80.83
F-30150P*	20–100	8–30	1½" Pipe	\$89.04
F-30200P*	40–150	15–70	2" Pipe	\$94.60
F-30250P*	60–240	—	2½" Pipe	\$119.70
F-30300P*	80–300	40–140	3" Pipe	\$135.11
F-30400P*	125–500	—	4" Pipe	\$153.29
F-30600P*	250–1050	—	6" Pipe	\$231.79
F-30800*	500–1900	—	8" Pipe	\$264.98

*PVC Pipe: Add letter “P” for Std. Flow and “PR” for Low Flow (“PR” is a special request, call for quote)

**Copper Tube: Add letter “T” for Std. Flow and “TR” for Low Flow (“TR” is a special request, call for quote)

Note: If used on SCHEDULE 80 PVC pipe will read 12% higher than actual

For Vertical Pipe Installation

PVC Pipe Schedule 40 (IPS Pipe ASTM – D-1785) or Copper Tube Type “K” or “L”

Part #	GPM Std. Flow*	PVC Pipe* or Low Flow	Copper** Tube Size	Price
D-30150P*	20–100	9–30	1½" Pipe	\$144.51
D-30200P*	40–150	18–70	2" Pipe	\$154.58
U-30150P*	20–100	9–30	1½" Pipe	\$144.50
U-30200P*	40–150	18–70	2" Pipe	\$154.58

*PVC PIPE: add letter “P” for Std. Flow and “PR” for Low Flow (“PR” is a special request, call for quote).

**COPPER TUBE: add letter “T” for Std. Flow and “TR” for Low Flow (“TR” is a special request, call for quote).

Note: If used on SCHEDULE 80 PVC pipe will read 12% higher than actual

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

Part #	Description	Price
F-3005	Cap Plug for F-300, D-300 & U-300	\$1.41
F-3003	Gasket Seal for Pipe & Tubing Units, Through 4" O.D.	\$1.95
F-3004	Gasket Seal for Pipe & Tubing Units, 6"–8" O.D.	\$2.05
F-3001	Float, F-300 Standard Range Units, Stainless Steel	\$18.13

F-1000 Digital Flowmeter

Features

- Easy to read six digit LCD, up to four decimal positions
- Battery operated (two AAA batteries included)
- Three model variations (RB – rate only, TB – total only, and RT rate & totalizer)
- Total reset function can be disabled
- Display update time: rate 1.5 sec., total 0.5 sec
- Factory calibrated—nothing to program
- Weather resistant ABS enclosure. NEMA 4X
- LCD is not recommend for direct sunlight applications



Part #	IPS Pipe Size	Flow Range (gpm)	Price
Schedule 40 Models			
RB-150S4-GPM1	1½"	15–150	\$370.10
RB-200S4-GPM1	2"	30–300	\$386.38
RB-300S4-GPM1	3"	60–600	\$386.38
RB-400S4-GPM1	4"	100–1000	\$431.90
RB-600S4-GPM1	6"	250–2500	\$415.60
Schedule 80 Models			
RB-150S8-GPM1	1½"	15–150	\$374.64
RB-200S8-GPM1	2"	30–300	\$374.59
RB-300S8-GPM1	3"	60–600	\$375.44
RB-400S8-GPM1	4"	100–1000	\$419.06
RB-600S8-GPM1	6"	250–2500	\$418.07

INSTALLATION PIPE LENGTH REQUIREMENTS

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

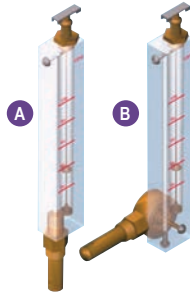
Minimum Outlet Pipe Length = 4 x Pipe I.D.

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.

PIRO FLOWMETERS

Constructed of durable plexiglass with polished brass fittings, this flowmeter provides 2% accuracy. ½" NPT connection. Available for horizontal and vertical applications.



+GF+



Signet 8150 Battery Powered Flow Totalizer

Compatible with the Signet 515 and 525 flow sensor, large digital display indicates flow rate and totalized flow volume simultaneously. 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. Long lasting lithium batteries. Requires two 3.6 V lithium thionyl chloride AA-size batteries. Low battery indication will appear on LCD display.

	Part #	Description	Price
A	3-8150-1*	Field Mount Battery Powered (Mounting Unit Not Included) (Use 3-8050)	\$674.90
B	3-8150-1P	Panel Mount Battery Powered (Panel Not Included)	\$674.90
C	3-8050*	Universal Mounting Unit, Includes Transmitter Base, Universal Mounting Plate & Bracket	\$88.67

*#3-8050 is needed when purchasing #3-8150-1

+GF+

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

Signet 515 Rotor-X-Paddlewheel Flow Sensor

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.



Part #	Description	Price
P51530-P0	0.5-4 Pipe Size, Polypropylene Housing, Titanium Shaft, Black PVDF Rotor	\$422.31
P51530-P1	5-8 Pipe Size, Polypropylene Housing, Titanium Shaft, Black PVDF Rotor	\$437.39
P51530-P2	10+ Pipe Size, Polypropylene Housing, Titanium Shaft, Black PVDF Rotor	\$471.32

Miscellaneous Parts

Part #	Description	Price
M1538-2	Rotor for 515, PVDF, Black (Not Shown)	\$80.19
M1546-1	Pin for 515, Titanium (Not Shown)	\$49.08

PIPE RUN

In horizontal pipe runs with no air pockets or sediment present, mount the sensor/fitting in the 12 o'clock position. If sediment or air pockets are present, tilt the sensor fitting at a maximum angle of 45° to overcome these obstacles. In vertical runs, upward is required. Full pipes are required.

SIGNET POWER SUPPLY & ENCLOSURE ASSEMBLY

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.



Part #	Description	Price
7310-1024	24 VDC Power Supply, 0.42 A, 10W	\$132.97
7310-2024	24 VDC Power Supply, 1.0 A, 24W	\$170.67

Instrument Enclosure Assemblies

Enclosures offer a simple solution, whether it's a digital transmitter or monitor, these enclosures make installation 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 and 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, 630-771-1310.

Miscellaneous Signet Parts

Part #	Description	Price
1220-0021	O-Ring, FPM, Two Required per Sensor (for All) (Not Shown)	\$21.99
P31536	Sensor Plug, Polypropylene (for All) (Not Shown)	\$87.72

MAGMETER FLOW MONITORS



3-2551 Local Display

3-2551 Blind

Signet 2551 Magmeter Flow Sensor

Insertion system magnetic flow sensor that features no moving parts, 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 4–20mA which 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. Power requirement 24 VCD.

Local Display

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

Part #	Description	Price
3-2551-P0-42	½"–4"	\$1,688.09
3-2551-P1-42	5"–8"	\$1,719.19
3-2551-P2-42	10"–36"	\$2,143.32

Blind Display

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

Part #	Description	Price
3-2551-P0-12	½"–4" Use with Flow Transmitter	\$917.63
3-2551-P1-12	5"–8", Use with Flow Transmitter	\$1,149.60
3-2551-P2-12	10"–36", Use with Flow Transmitter	\$1,795.39

Blind Display

Frequency out, use with transmitter 9900

Part #	Description	Price
3-2551-P0-11	½"–4", Use with Flow Transmitter	\$1,080.18
3-2551-P1-11	5"–8", Use with Flow Transmitter	\$1,111.28
3-2551-P2-11	10"–36", Use with Flow Transmitter	\$1,536.35

TRANSMITTERS

Signet 9900 Transmitter

"Dial-type" digital bar graph measuring 3.9" x 3.9" with auto-sensing backlit display 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 displays 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.

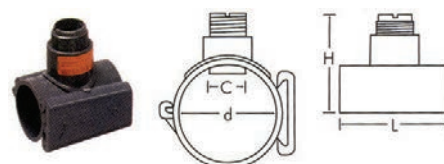


	Part #	Description	Price
A	3-9900-1*	Field Mount Flow Transmitter, (Mounting Unit Not Included) (Use 3-8050)	\$604.21
B	3-9900-1P	Panel Mount Flow Transmitter (Panel Not Included)	\$604.21
	3-8050*	Universal Mounting Unit	\$88.67

*#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.

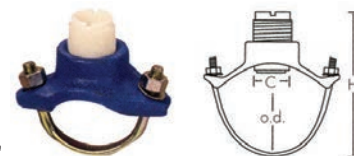


PVC Glue-On Saddles

Mounts on SCH 80 PVC Pipe.

Part #	Size	L	H	D	C*	Price
PV8S020	2"	4.00	5.0	2.375	1.43	\$195.17
PV8S025	2½"	4.75	5.4	2.875	1.43	\$195.17
PV8S030	3"	5.00	6.0	3.500	1.43	\$224.39
PV8S040	4"	5.00	7.0	4.500	1.43	\$261.15
PV8S060	6"	5.00	10.0	6.625	2.25	\$312.98
PV8S080	8"	5.00	11.5	8.625	2.25	\$379.90

*C – Clearance Dimension



Iron Strap-On Saddles

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

Part #	Size	H	O.D. Min	O.D. Max	C*	Price
IR8S020	2"	5.5	2.35	2.56	1.438	\$195.17
IR8S025	2½"	5.5	2.44	2.91	1.438	\$256.43
IR8S030	3"	6.5	2.97	3.54	1.438	\$260.20
IR8S040	4"	7.5	3.74	4.55	1.438	\$256.43
IR8S050	5"	9.0	4.74	5.63	2.25	\$319.58
IR8S060	6"	10.5	5.94	6.70	2.25	\$334.66
IR8S080	8"	12.0	7.69	8.72	2.25	\$370.48
IR8S100	10"	18.0	10.64	12.12	2.25	\$640.97
IR8S120	12"	20.0	12.62	14.32	2.25	\$640.97

*C – Clearance Dimension

ILLINOIS DEPARTMENT OF PUBLIC HEALTH

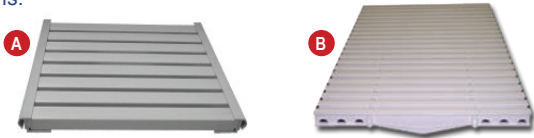
TITLE 77: PUBLIC HEALTH CHAPTER I: DEPARTMENT OF PUBLIC HEALTH SUBCHAPTER: RECREATIONAL FACILITIES PART 820 SWIMMING FACILITY CODE

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.)

GUTTER GRATES

All grates are fabricated of PVC (polyvinylchloride) extrusions produced especially for the swimming pool environment. The formulation used yields a high-impact product. The best colorfast pigments are used in association with ultra-violet resistant additives to allow the grates to be made available in color combinations which can be used both for indoor and outdoor installations.



A. Interlocking (Straight or Radius Grates)

For a straight run or for pools requiring grates to follow a curved contour. These grates are supplied in three-foot sections, which are interlocked with removable "snap caps" on both sides. All Interlocking style grates come with factory manufactured pre-fab mitered corners, and are available with a "lock down" option. Call for quote.

B. America the Grate (Straight or Radius Grating)

America the Grate – style of grates are available in widths of up to 18" and in all of our standard colors. This superior design grate can accommodate a twenty-four inch inside radius. This new innovative modular design is extremely durable and provides less flex than the competition. Call for quote.

DEPTH MARKERS INSTALLATION KIT

Installation Kits (Vinyl & Glass)

	Part #	Description	Price
A	V004000	Vinyl Installation Kit	\$36.12
B	V004007	Vinyl Applicator	\$2.63
C	V004010	Vinyl Spray Adhesive	\$16.74
D	V004015	Vinyl Edge Sealer	\$13.28
E	G004000	Glass Installation Kit	\$14.30
F	G004005	Glass Notched Applicator	\$3.66
G	G004010	Glass Caulk Adhesive, White	\$10.20

① ILLINOIS DEPARTMENT OF PUBLIC HEALTH

TITLE 77: PUBLIC HEALTH

CHAPTER I: DEPARTMENT OF PUBLIC HEALTH

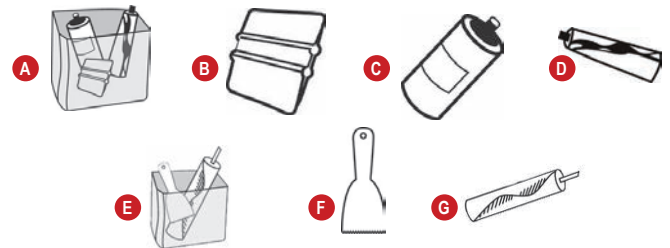
SUBCHAPTER: RECREATIONAL FACILITIES

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.



① DEPTH MARKERS

Inlays depth markers are available in multiple materials for deck and waterline installations, can be used for new construction and renovations.

Ceramic Tile for waterline and deck. Can be installed into a tile or brick wall. White ceramic with black lettering. Smooth surface tiles are for vertical pool wall. Skid and frost resistant tiles are for deck mounting and can be used for new construction or renovations. Superior durability. Sizes available: 6" x 6", 6" x 12" and 8" x 8". Number and letter size options for 6" x 6": 4" for all states except 5" to meet Virginia state code. Also available in 4" top print, for better visibility at the water level (must specify when ordering). The 8" x 8" has 6" numbers and letters. Specs: 1/4" thickness. True sizes: 5 5/8" x 5 5/8" or 7 7/8" x 7 7/8".

Vinyl Stickons for deck installations. Available for both depth and safety message markers. Adheres to most deck surfaces. Eliminates stenciling. Frost resistant. Installation is peel and stick and must be installed with the installation kit. One installation kit for approximately 40 depth/safety markers. The kit includes: roller, aerosol adhesive and tube of edge sealer. Markers are skid resistant with a white background and black/red images. The stickons are 1/32" thick with radius corners. Available in a 6" x 6" and 8" x 8" dimensions. The 6" is 5 3/4" x 5 3/4" with 4" lettering, the 8" x 8" is 7 3/4" x 7 3/4" with 6" letterings.

Glass Overlays for the waterline application for worn off pool depth markers. Apply over existing tile. Must use installation kit and area must be dry and clean. Follow all instructions and allow proper dry time after installation. Frost resistant. In areas where pool freezes over during winter months, water level should be lowered to prevent damage. The overlay is 6" x 6" tempered glass with a smooth surface, thin profile and beveled edges. These overlays are an 1/8" thick by 5 3/4" x 5 3/4".

Plastic Stickons designed for above water use. Adheres to stainless, vinyl and fiberglass. Easy installation with self-adhesive back. Plastic stickon depth and safety message markers have white background and black/red images, size 4" x 6" specs 4 1/4" x 5 1/2" thickness 1/16" inch, print size 4". Not permanent. No kit required to install.

Material

C1 = Ceramic, smooth waterline

C2 = Ceramic, skid resistant for the deck (C62 = Ceramic 6", C82 = Vinyl 8")

V = Vinyl (V62 = Vinyl 6", V82 = Vinyl 8")

P = Plastic

G = Glass overlay

Size

6" x 6" Depth marker is slightly smaller than 6" x 6" all have 4" print

8" x 8" Depth marker is slightly smaller than 8" x 8" all have 6" print

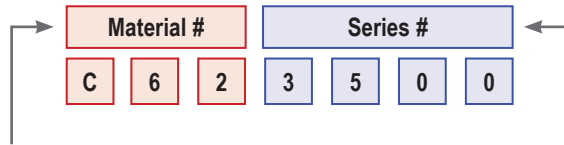
6 = 6" x 6" marker

8 = 8" x 8" marker

Depth markers on page 55.

DEPTH MARKERS

Example (Material # + Series # = Part #)



Depth Marker Material

Material #	Description
6" x 6", 4" Print	
C61	Ceramic, Smooth (Waterline)
C62	Ceramic, Skid Resistant (Deck)
V62	Vinyl Stickon, Skid Resistant (Deck)
P41	Plastic Stickon, Smooth (Above Waterline)
G61	Glass, Smooth (Waterline)
8" x 8", 6" Print	
C82	Ceramic, Skid Resistant (Deck)
V82	Vinyl Stickon, Skid Resistant (Deck)

Series*

FT
IN
NO
AB
MG
TMG
MMG

*See below

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 **part number is C623500**.

FT, IN & NO Series, 6" x 6", 4" Print

Material #	Description	Price
C61xxxx	Ceramic, Smooth (Waterline)	\$9.86
C62xxxx	Ceramic, Skid (Deck)	\$10.14
V62xxxx	Vinyl Stickon, Skid (Deck)	\$11.74
P41xxxx	Plastic Stickon, Smooth (Above Waterline)	\$11.99
G61xxxx	Glass, Smooth (Waterline)	\$11.99

FT, IN & NO Series, 8" x 8", 6" Print

Material #	Description	Price
C82xxxx	Ceramic, Skid (Deck)	\$17.50
V82xxxx	Vinyl Stickon, Skid (Deck)	\$18.83

AB, MG, TMG & MMG Series, 6" x 6", 4" Print

Series #	Description	Price
xxx3500	FT	Call for Quote
xxx3505	IN	Call for Quote
xxx3510	M	Call for Quote
xxx3515*	DP	Call for Quote
xxx1500	No Diving with Symbol	Call for Quote
xxx1501	No Diving, No Symbol	Call for Quote
xxx1505*	No Running with Symbol	Call for Quote
xxx1506*	No Running, No Symbol	Call for Quote
xxx1700	No Diving, No Symbol, 6" x 12"	Call for Quote
xxx1705*	No Running, No Symbol, 6" x 12"	Call for Quote
xxx2000	No Diving, No Symbol	Call for Quote
xxx2005*	No Running, No Symbol	Call for Quote

*Not available in plastic (P41) depth markers

8" x 8" Depth markers for AB, MG, TMG and MMG series, call for quote.

0 IN

IN Series

Series #	Depth
0500	0"
0501	1"
0502	2"
0503	3"
0504	4"
0505	5"
0506	6"
0507	7"
0508	8"
0509	9"
0510*	10"
0511*	11"
0512*	12"
0518*	18"

5 FT

FT Series

Series #	Depth
0000	0'
0005	½'
0010	1'
0015*	1½'
0020	2'
0025*	2½'
0030	3'
0035*	3½'
0040	4'
0045*	4½'
0050	5'
0055*	5½'
0060	6'
0065*	6½'
0070	7'
0075*	7½'
0080	8'
0085*	8½'
0090	9'
0091*	9½'
0092*	10'
0093*	11'
0094*	12'
0095*	13'
0096*	14'

7

NO Series

Series #	Depth
1000	0
1005	½
1010	1
1015*	1½
1020	2
1025*	2½
1030	3
1035*	3½
1040	4
1045*	4½
1050	5
1055*	5½
1060	6
1065*	6½
1070	7
1075*	7½
1080	8
1085*	8½
1090	9
1091*	9½
1092	10
1093	11
1094	12
1095*	13
1096*	14

AB Series

FT	IN
3500	3505
M	DP
3510	3515**

MG Series









	
1500	1501
	
1505*	1506*

TMG Series

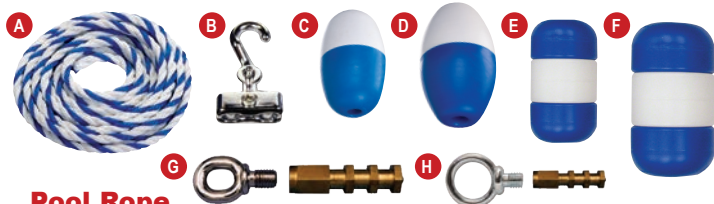

1700

1705*

MMG Series

			
2000			
			
2005*			

ROPE & ACCESSORIES



Pool Rope

	Part #	Description	Price
A	PPR375	¾" Poly Pool Rope Per Foot	\$0.43
A	PPR050	½" Poly Pool Rope Per Foot	\$0.43
A	PPR075	¾" Poly Pool Rope Per Foot	\$0.80

Rope Hooks

	Part #	Description	Price
B	PH-51H	¾" Perma-Cast Rope Hook, Chrome-Plated Brass	\$25.36
B	PH-52H	½" Perma-Cast Rope Hook, Chrome-Plated Brass	\$24.08

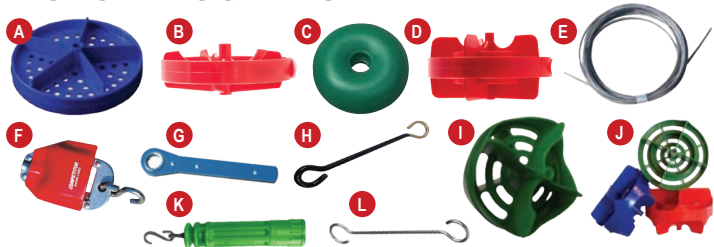
Rope Floats

	Part #	Description	Price
C	PS689	Blue & White Float 3" x 5" for ½" Rope	\$1.87
D	PS688	Blue & White Float 5" x 9" for ¾" Rope	\$5.19
E	IF5950	Handi Lock 3" x 5" for ½" Rope, BWB	\$10.87
F	IF5975	Handi Lock 5" x 9" for ¾" Rope, BWB	\$10.96

Eyebolts & Wall Inserts

	Part #	Description	Price
G	70317	Heavy-Duty Eye Bolt	\$89.40
G	70318	Threaded Wall Insert for Heavy-Duty Eye Bolt	\$64.44
H	70319	Standard Eye Bolt	\$79.39
H	70320	Threaded Wall Insert for Standard Eye Bolt	\$60.59

RACING LANES & PARTS



Competitor® Racing Lanes

	Part #	Description	Price
A	200347000	Body Segments, Approx. 4"	\$1.76
B	200348000	End Segments, Approx. 4"	\$1.76
C	200349000	Donut Floats, Approx. 2"	\$1.76
D	200371001	Gold Medal Lane Segments, Approx. 4"	\$3.63
E	200210000	Stainless Steel/Vinyl Coated ¾" Cable	\$1.73/ft
F	200200000	Take Up Reel, Includes Cover & Allen Wrench	\$109.90
G	200202000	¾" Wrench, 10", Single Ended	\$37.71
H	200240000	Stainless Steel Extension Hook with Rubber Coating 8"	\$35.00

AntiWave Racing Lanes

	Part #	Description	Price
I	AW242	4¾" Disc Forerunner	\$4.19
J	AWM246	6" Disc Maximum	\$2.91
K	AW0055	Supertensioner	\$182.18
L	AW290	8" S-Hook Extension	\$26.88

For complete lane lines, call for quote, 630-771-1310

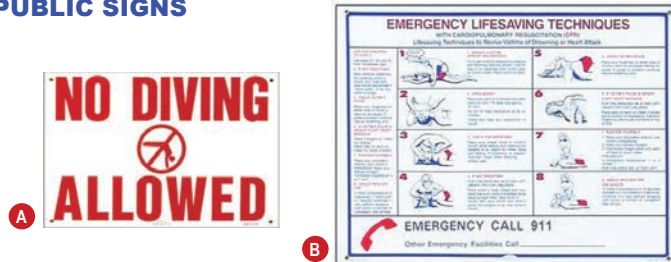
SIGNS REQUIRED BY THE STATE OF ILLINOIS



Required Pool/Spa Signs

	Part #	Description	Price
A	2020IL	Public Pool Regulations II State Code 18" x 24", Plastic, with Mounting Holes	\$18.64
B	2024IL	No Lifeguard On Duty II State Code 18" x 24", Plastic, with Mounting Holes	\$18.22
C	2026IL	Pool Bather Load II State Code 18" x 24", Plastic, with Mounting Holes	\$18.22
D	2029	No Person May Enter Pool Area Alone or Swim Alone	\$18.22
E	2030	Spa Patron Regulations II State Code 18" x 24", Plastic, with Mounting Holes	\$16.69

PUBLIC SIGNS



Public Pool/Spa Signs

	Part #	Description	Price
A	R231200	No Diving Allowed Sign	\$13.79
B	R231100	CPR Chart Cardiopulmonary Resuscitation	\$20.67
C	R231400	Pool Closed Sign, 12" x 6"	\$22.94

ILLINOIS DEPARTMENT OF PUBLIC HEALTH

TITLE 77: PUBLIC HEALTH CHAPTER I: DEPARTMENT OF PUBLIC HEALTH SUBCHAPTER: RECREATIONAL FACILITIES 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.

WHITE GOODS



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

Part #	Description	Price
A SPX1082E	Hayward® Cover	\$17.74
B SPX1082K	Hayward® Weir	\$18.12
C SPX1082CA	Hayward® Basket with Handle, 6½" O.D. x 5"	\$14.16



Hayward® Skimmer (SP1096, 1097, 1098)

Part #	Description	Price
D SPX1096B	Hayward® Cover	\$12.88
E SPX1096K	Hayward® Weir	\$18.50
F SPX1096CA	Hayward® Basket, 5½" O.D. x 3"	\$9.88



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

Part #	Description	Price
G 08650-0058	U-3 Lid Only, White	\$19.26
H 08650-0022	U-3 Hinged Weir Assembly	\$23.09
516442	U-3 Hinged Weir Assembly, Bright White (Skimmers Purchased After 7/2012)	\$33.92
I 08650-0007	U-3 Basket & Handle, 5¾" x 8⅝"	\$14.04



Additional Skimmer Parts

Part #	Description	Price
J 85009500	American Products® Cover	\$25.54
K 923	6" Aladdin Weir	\$13.47
K 925	8" Aladdin Weir	\$14.23
K 927	10" Aladdin Weir	\$17.59
L R38013A	American Products® Basket, 7¾" x 8⅞"	\$20.49
M SP1082FV	Hayward Float Valve Assembly for 1080 Series	\$83.20

WHITE GOODS



Eyeballs

Part #	Description	Price
SP1419A	Slotted Hayward® Eyeball	\$3.94
SP1419B	¾" Hayward® Eyeball	\$3.36
SP1419C	½" Hayward® Eyeball	\$3.36
SP1419D	¾" Hayward® Eyeball	\$3.34
SP1419E	1" Hayward® Eyeball	\$3.94

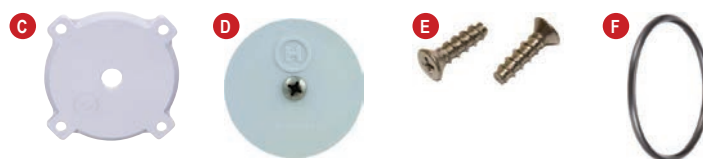
HYDROSTATIC VALVES



Hydrostatic Relief Valves

Part #	Description	Price
A V50-125	1½" Perma-Cast Hydrostatic Relief Valve, Bronze	\$124.28
A PV-20	2" Perma-Cast Hydrostatic Relief Valve, Bronze	\$118.26
B SP1056	2"-1½" Hayward® Hydrostatic Relief Valve, Plastic	\$16.35

FLOOR INLETS & PARTS



Hayward Series SP1425

Part #	Description	Price
C SPX1425B	Top Diffuser Plate	\$7.66
D SPX1425DA	Spinner Valve Assembly	\$10.90
E SPX1425Z32	Face Plate Screw, Set of 2	\$3.33
F SPX1425Z6	O-Ring	\$3.06

Pentair

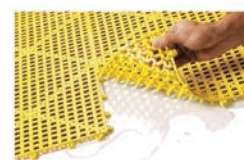


Part #	Description	Price
G 08417-0000	1½" Floor Inlet Fitting, White	\$26.76
08417-0005	Plate Cover Floor Inlet with Male Connection (Not Shown)	\$24.23
37207-0403	1½" Inlet Cover Screw, SS (Not Shown)	\$3.91

DRY WEAVE FLOOR TILES

DRI-DECK Flooring Tiles

Interlocking floor tiles that snap together for easy installation. Patented design allows dirt and water to flow through the self-draining surface. Provides dry, anti-skid surface for showers, locker rooms, pools, spas or saunas. Size: 12" x 12" x ⅝". 10 Year Limited Warranty.



Call for quote, 630-771-1310.

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 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



Part #	Description	Price
57920	3-Tread Ladder	Call for Quote
57921	4-Tread Ladder	Call for Quote
57922	5-Tread Ladder	Call for Quote
57923	6-Tread Ladder	Call for Quote

LADDER EQUIPMENT



Ladder & Rails, S.R. Smith™ & KDI

Call for your sales person to come out and take correct measurements to determine the proper ladder that will work for your facility. Ladders and rails available.



Ladder Treads

Part #	Description	Price
A LTDF-101	18¼" S.R. Smith™ Tread, Plastic, Hardware	\$31.56
B LTDF-103	20" S.R. Smith™ Stainless Steel with Hardware	\$42.34
C A42077-0	20" S.R. Smith™ Blow Molded, No Hardware	\$78.26
D 44101	19" Paragon®, Vertical, White, Hardware	\$63.82
D 44107	26" Paragon®, Vertical, White, Hardware	\$158.13
E 44104	19" Paragon®, Sloping, White, Hardware	\$65.18
E 44109	26" Paragon®, Sloping, White, Hardware	\$159.61

LADDER HARDWARE



Ladder Hardware

Part #	Description	Price
A 60-703	Bolt Kit for LTDF-101, 2-Tread Bolt Pack	\$24.94
A 60-704	Bolt Kit for LTDF-101, 3-Tread Bolt Pack	\$51.94
A 60-701	Bolt Kit for LTDF-103, 2-Tread Bolt Pack	\$21.39
A 60-702	Bolt Kit for LTDF-103, 3-Tread Bolt Pack	\$33.34
A A40909-1	Bolt Kit for A42077-0 Ladder Tread	\$25.68
B WRB-100A	1.9" Male Rubber Ladder Bumpers, White	\$6.13
C WRB-101A	1.9" Female Rubber Ladder Bumpers, White	\$9.44
D PS-4019-BC	4" Perma-Cast Anchor Socket for 1.9" Rail, Bronze	\$35.89
E SPX0392BA	Hayward® Wedge Dog with Washer	\$32.08
F A41494-0	S.R. Smith™ Wedge Dog	\$23.13
G PW-4C	Perma-Cast Wedge Dog	\$9.25
H PE-0019-W	1.9" Perma-Cast Escutcheon Plate, White Cicolac, 4½" L x 4½" W x ¾" H	\$4.07
I PE-0019-S	1.9" Perma-Cast Escutcheon Plate, Stainless Steel, 5" L x 5" W x 1" H	\$9.99

SPECTRUM PRODUCTS

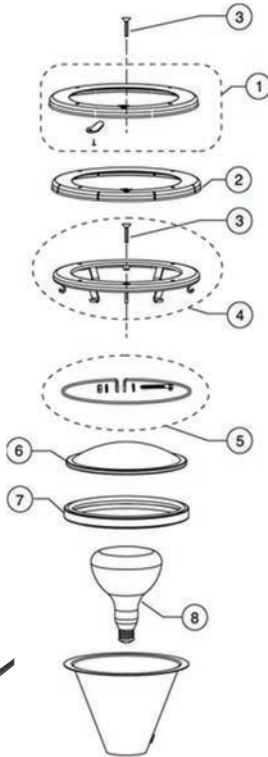


Anchor Parts

Part #	Description	Price
A 23638	6" Anchor Kit, Bronze	\$203.24
B 36450	Lid & Key Replacement for 6" Bronze Anchor	\$77.28
C 24098	Compression Anchor Cap	\$25.93
D 23636	Anchor Key, Stainless Steel Slip	\$22.88

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.



Amerlite® with Stainless Steel Face Ring

Part #	Voltage	Wattage	Cord Length (ft)	Price
78418100	12	100	50	\$271.22
78438100	12	300	50	\$369.40
78428100	120	300	50	\$295.99
78928500	120	300	100	\$355.85
78927000	120	300	150	\$404.86
78927900	120	300	200	\$467.25
78448100	120	400	50	\$329.91
78949100	120	400	100	\$404.01
78447100	120	400	150	\$415.24
78449100	120	400	200	\$463.21
78458100	120	500	50	\$312.29
78456300	120	500	100	\$371.26
78457100	120	500	150	\$421.41
78459100	120	500	200	\$489.03

*Additional cord sizes available

Amerlite® Replacement Parts

Part #	Description	Price
3 619355	Pilot Screw with Captive Gum Washer, Stainless Steel	\$2.68
4 79110600	Face Ring Assembly, Stainless Steel	\$100.03
5 79111000	Uni-Tension Wire Clamp Assembly	\$54.52
6 79100100	8 $\frac{3}{8}$ " Diameter Clear Tempered Lens	\$35.14
7 79101600Z	Gasket for 8 $\frac{3}{8}$ " Lens	\$33.38

*See page 60 for replacement bulbs

AMERBRITE®



LED AmerBrite® Replacement Lamps

Features

- The only UL and cUL Certified LED replacement lamp for Amerlite® incandescent fixtures.
- Lens can be rotated 180° to provide wide or narrow beam pattern.
- Box contains replacement lamp, silicone gasket, wide/narrow glass lens and new clamp. Must install inside original Amerlite® pool light housing.
- Its convenient Edison screw base offers a "plug and play" replacement for Amerlite® incandescent bulbs.

Part #	Description	Voltage	Incandescent Equivalency	Price
602070	LED White	12	300	\$348.70
602075	LED White	120	300	\$348.70
602071	LED White	12	400	\$348.70
602076	LED White	120	400	\$348.70
602072	LED White	12	500	\$360.41
602077	LED White	120	500	\$414.44
602060	LED Color	12	N/A	\$460.21
602065	LED Color	120	N/A	\$421.70



The AmerBrite® White LED light cannot be used with a dimmer circuit. Using a dimmer switch will result in permanent damage to the light.

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

The AmerBrite® Color and White LED lamps bring the luminous splendor of LED technology to the best-selling Amerlite® light series. Its convenient Edison screw base offers a plug-and-play replacement for Amerlite® incandescent bulbs.



SPABRITE®

SpaBrite® lights are available with stainless steel face rings. These lights are perfect for spas and areas where space is not available for a full-size light. SpaBrite® lights install in small plastic or stainless steel Pentair® niches.



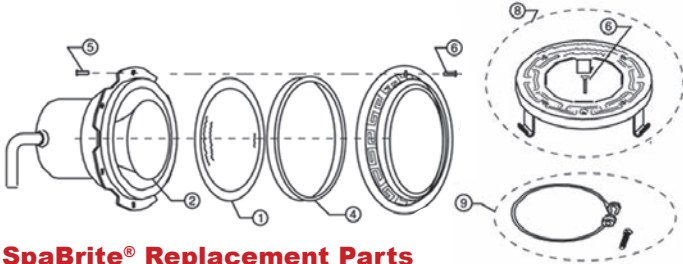
SpaBrite® Halogen Light with Stainless Steel Face Ring

Part #	Voltage	Wattage	Cord Length (ft)	Price
78106000	120	60	30	\$259.16
78106100	120	60	50	\$281.94

SpaBrite® Light with Stainless Steel Face Ring

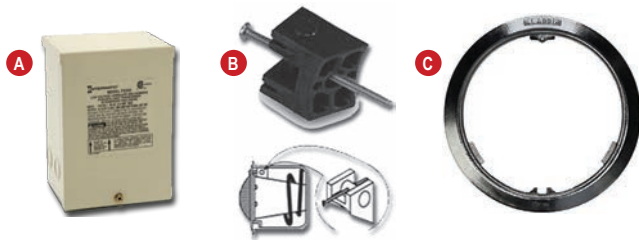
Part #	Voltage	Wattage	Cord Length (ft)	Price
78101200	12	100	15	\$215.91
78108200	12	100	50	\$273.20

*Additional cord sizes available



SpaBrite® Replacement Parts

Part #	Description	Price
1 79107800	4" Diameter Clear Tempered Lens	\$23.12
2 L100W12VRF	Bulb, 100W, 12V	\$20.37
4 79108500	Gasket for 4" Diameter Lens, Off White	\$14.52
5 98208600	Screw, SS 10-24 x 3/8", Chrome-Brass, 6 Required	\$1.73
6 619355	Pilot Screw with Captive Gum Washer, Stainless Steel	\$2.68
8 79111600	Face Ring Assembly, Stainless Steel	\$87.99
9 79210400	Uni-Tension Wire Clamp Assembly Stainless Steel with Welded Nut	\$21.02



Additional Parts

Part #	Description	Price
A PX300	Light Transformer, 300W, 24V	\$180.08
B 132	Light Wedge	\$21.72
C 500C	Aladdin Ring for Amerilite®	\$117.45

LIGHT BULBS



Replacement Bulbs

	Part #	Description	Voltage	Wattage	Price
A	L300W12VS	Sealed Beam Two Screw (Par 56)	12	300	\$45.67
B	L300W120VS	Sealed Beam Mogul End Prong (Par 56)	120	300	\$53.98
C	L300W12VR	Med Base Flood, R-40	12	300	\$27.74
C	L300W120VR	Med Base Flood, R-40	120	300	\$27.50
C	L400W120VR	Med Base Flood, R-40	120	400	\$27.11
C	L500W120VR	Med Base Flood, R-40	120	500	\$30.28
D	L100W12VR	Med Base Flood, R-30, Spabrite®	12	100	\$20.17
E	L100W120VRF	Med Base Reflector Flood, R-20	120	100	\$14.56
E	L100W12VRF	Med Base Reflector Flood, R-20	12	100	\$20.37
F	L75W12VH	Quartz, Two-Prong, Aqualight®	12	75	\$17.46
G	L250W24VH	Quartz	24	250	\$47.63

INTELLIBRITE® 5G WHITE LED**LED Lights for Swimming Pools & Spas**

Part #	Voltage	Incandescent Equivalency	Cord Length (ft)	Price
601101	120	300	50	\$544.50
601102	120	300	100	\$593.11
601103	120	300	150	\$633.68
601106	12	300	50	\$523.38
601107	12	300	100	\$593.11
601108	12	300	150	\$671.58
601201	120	400	50	\$600.22
601202	120	400	100	\$615.37
601203	120	400	150	\$680.89
601206	12	400	50	\$566.58
601207	12	400	100	\$619.68
601208	12	400	150	\$690.54
601301	120	500	50	\$598.90
601302	120	500	100	\$665.40
601303	120	500	150	\$703.79
601306	12	500	50	\$566.27
601307	12	500	100	\$652.98
601308	12	500	150	\$749.08

*Additional cord sizes available

**LED Spa Lights**

Part #	Voltage	Incandescent Equivalency	Cord Length (ft)	Price
640140	120	100	30	\$617.41
640141	120	100	50	\$651.79
640142	120	100	100	\$571.42
640150	12	100	30	\$595.70
640151	12	100	50	\$618.98
640152	12	100	100	\$572.34

**IntelliBrite® Replacement Parts
(1st Generation 2007-2010)**

Part #	Description	Price
79104800	Pilot Screw	\$3.72
600095	Face Ring Assembly, Stainless Steel	\$120.21
79101601Z	8 3/8" Diameter Silicone Gasket	\$32.40

**IntelliBrite® Replacement Parts
(2nd Generation After 2010)**

Part #	Description	Price
79110600	Face Ring Assembly, Stainless Steel	\$100.03
79111000	Uni-Tension Wire Clamp Assembly	\$54.52
619864Z	Lens & Gasket Assembly, Tempered	\$77.61
79101601Z	8 3/8" Diameter Silicone Gasket	\$32.40
619875Z	300W Replacement Engine	\$643.23
619916Z	400W Replacement Engine	\$664.80
619917Z	500W Replacement Engine	\$715.13

**IntelliBrite® 5G White LED****Features**

- The brightest, most energy efficient white LED pool light on the market.
- Energy efficient utilizing up to 86% less energy than comparable incandescent lights.
- Superior lens geometry and innovative reflector design combine to create a wider beam and more uniform light distribution.
- Pool lens can be rotated to 180° to provide wide beam pattern (standard) or narrow beam pattern.
- Compatible with Pentair® stainless steel and plastic niches.
- Available in 120V and 12V versions.
- Available in 300W, 400W, and 500W incandescent equivalents.

BEFORE LED LIGHT

Incandescent Light

AFTER LED LIGHT

ILLINOIS DEPARTMENT OF PUBLIC HEALTH

TITLE 77: PUBLIC HEALTH CHAPTER I: DEPARTMENT OF PUBLIC HEALTH SUBCHAPTER: RECREATIONAL FACILITIES 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
- (2) Eye Dressing Packet
- (1) Scissors/Tweezers
- (1) 1" Adhesive Tape
- (1) Box Band-Aids of Various Sizes
- (1) Antiseptic
- (4) Latex Gloves, Two Pairs

SAFETY EQUIPMENT



Safety Equipment

	Part #	Description	Price
A	R221026	Rescue Hook, Fits Standard Straight Poles	\$45.08
	R221030	Hardware for Rescue Hook	\$3.38
B	R191116*	16' Straight Pole Aluminum	\$141.16
C	R191095*	12' Straight Pole Fiberglass	\$182.65
D	PS360	20" USCG Life Ring Buoy	\$73.94
E	PS361	24" USCG Life Ring Buoy	\$84.83
D	SE-IL980	Water Rescue Tube, 39 1/4" x 6 1/2" x 3 1/4"	\$74.23
E	SE-IL980A	Water Rescue Tube, 51" x 6 1/2" x 3 1/4"	\$82.15
F	PS374	60' Throw Line	\$18.63
G	975IL	CPR Microshield	\$16.16
H	11095IL	First Aid Kit (Illinois State Approved), 10 Units	\$43.97
H	18604IL	First Aid Kit with CPR Microshield, 24 Units	\$107.96

*Additional freight charge may be applied

EXPIRATION DATES ON MANDATORY GRATES

- 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, and are the current grates in compliance of the minimum 1.5 times the diameter of the pipe clearance?
- 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?

The APSP, the National Swimming Pool Foundation and the Illinois Department of Public Health all have check-lists, guidelines and regulation information. If Aqua Pure Enterprises, Inc., can be of any assistance, please contact us.

VGB VACUUM SAFETY RELEASE DEVICES



Vac-Alert™

	Part #	Description	Price
A	VA-2000S	Vac-Alert™ Below Grade Unit	\$844.22
A	VA-2000L	Vac-Alert™ Above Grade Unit	\$844.22

Emotron PSP20

	Part #	Description	Price
B	PSP20-10-25	Single-Phase, 120V, 1–25 Amps	\$1,058.39
B	PSP20-10-50	Single-Phase, 120V, 26–50 Amps	\$1,169.02
B	PSP20-20-25	1- or 3-Phase, 208/230V, 1–25 Amps	\$1,058.39
B	PSP20-20-50	1- or 3-Phase, 208/230V, 26–50 Amps	\$1,169.02
	874-N5	120V Remote Horn	\$238.78
	874-R5	208/230V Remote Horn	\$261.88



ADDITIONAL REQUIREMENTS FOR SAFETY DEVICES OR SYSTEMS

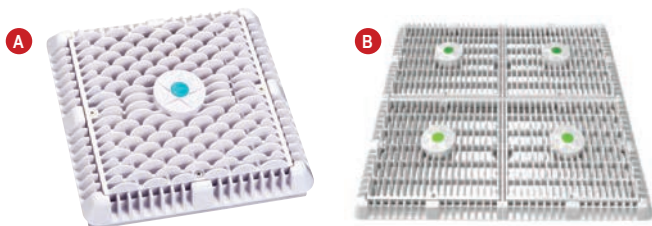
The Pool and Spa Safety Act requires all public pools and spas with a single main drain or multiple drains less than three feet apart to add one or more additional anti-entrapment devices or systems.

AQUASTAR®

WARRANTY

5 Year Life from the Date of Installation

All AquaStar® covers are trademarked VGB. 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.



9", 12" or 18" Square Wave Anti-Entrapment Suction Outlet Cover, Vented Riser Ring & Mud Frame

5 Year Life from the Date of Installation

Square, retrofits most brands existing 9", 12" or 18" deep frame. Complete with cover, vented riser ring and mud frame. Fits AquaStar standard 9", 12" square, Pentair® #1 selling sump with 3/4" deep existing frames and four screws. For single and multiple drain use see installation instructions.

	Part #	Description	Price
A	WAV9WR101	9" Open Area 48.4 sq. in. Floor/Wall 224 gpm @ 1.5 fps	\$121.01
A	WAV12WR101	12" Open Area 90.8 sq. in. Floor/Wall 424.5 gpm @ 1.5 fps	\$141.84
B	WAV18WR101	18" Open Area 176.9 sq. in. Floor/Wall 826.6 gpm @ 1.5 fps	\$342.27



**14" Square Anti-Entrapment Suction Outlet Cover
(For 9" Square Retrofits or New Construction)**

5 Year Life from the Date of Installation

For single or multiple drain use. Three inch minimum sump depth (see installation instructions). Retrofit adapter frame easily and safely retrofits most brands existing 9" mud frame with epoxy or screws or both; cover anchors into in-molded brass inserts in frame with four fine thread machine screws ideal for retrofitting over all existing sumps/frames up to 13" by anchoring directly into pool finish (plaster, tile, fiberglass, etc.) using four brass anchors and stainless screws in kit #BIK4.

Part #	Description	Price
914101	14" Square for 9" Square Open Area: 84 sq. in. Floor/Wall: 394 gpm @ 1.5 fps	\$135.65

AQUASTAR®

16" Square Anti-Entrapment Suction Outlet Cover for 12" Square Retrofits or New Construction

5 Year Life from the Date of Installation

Single, 3" sump depth. Easily and safely retrofits most brands existing 12" frame with epoxy or screws or both; cover anchors into in-molded brass inserts in frame with four fine thread machine screws ideal for retrofitting over all existing sumps/frames up to 15" by anchoring directly into pool finish (plaster, tile, fiberglass, etc.) using four brass anchors and stainless screws in kit #BIK4.

Part #	Description	Price
1216101	14" Square for 9" Square Open Area: 101 sq. in. Floor/Wall" 472.2 gpm @ 1.5 fps	\$169.69



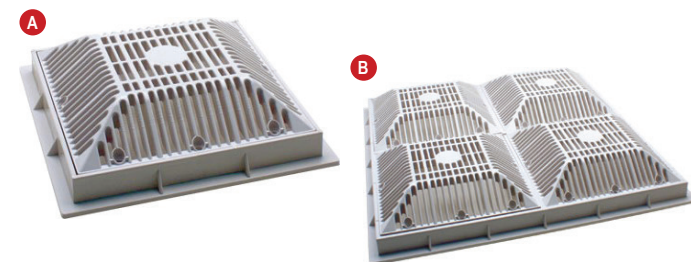
Brass Anchor Kit

5 Year Life from the Date of Installation

Anchor directly into pool finish using four brass anchor kit. Use with 914101 or 126101.

Part #	Description	Price
BIK4	Brass Anchors, 4/Set	\$101.09

WATERWAY



Waterway Frame & Cover

7 Year Life

These covers do not have manufacturer recommendations for retrofitting any existing sumps. Hardware is included.

	Part #	Description	Price
A	640-4790V	9" Square Cover & Frame Open Area: 43.60 sq. in. Flow Rate: 203 gpm @ 1.5 ft/sec. Wall Flow: 208 gpm @ 1.59 ft/sec. Floor Flow: 289 gpm @ 2.33 ft/sec.	\$77.05
	640-4720V	12" Square Cover & Frame Open Area: 62.40 sq. in. Flow Rate: 292 gpm @ 1.5 ft/sec. Wall Flow: 280 gpm @ 1.44 ft/sec. Floor Flow: 356 gpm @ 1.83 ft/sec.	\$103.22
B	640-4770 V	18" Square Cover & Frame Open Area: 174.40 sq. in. Flow Rate: 812 gpm @ 1.5 ft/sec. Wall Flow: 517 gpm Floor Flow: 788 gpm @ 1.09 ft/sec.	\$341.81
	819-1031	#8 x 1 Stainless Steel Screw	\$1.79

HAYWARD®



Hayward® High Flow Suction Outlet

7 Year Life

These 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.

	Part #	Description	Price
A	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	\$134.12
A	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	\$211.75
B	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	\$648.53



Hayward® Replacement

7 Year Life

	Part #	Description	Price
C	WGX1030Z8A	Stainless Steel Screw Pack for All Replacement Sets (Includes: (4) Self Tap & (4) Machine Thread)	\$8.42
D	WGX1031BHF2	9" Replacement Cover, Inner Frame & Hardware	\$51.94
D	WGX1032BHF2	12" Replacement Cover, Inner Frame & Hardware	\$72.26
D	WGX1033BHF2	18" Replacement Cover, Inner Frame & Hardware	\$176.78

Hayward® Round Cover

7 Year Life

Replacement covers retrofits to all existing Hayward® frames.

Part #	Description	Price
WG1030AVPAK2	8" Round Cover & Frame Dual Pack Open Area: 8.10 sq. in. Wall Flow: 72 gpm, Floor Flow: 125 gpm	\$37.20
WGX1048E	Replacement Cover for Floor or Wall	\$18.20

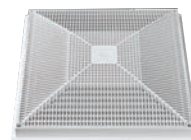


LAWSON

Lawson SuperFlow™ Main Drains

10 Year Life

These 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.

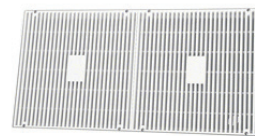


Part #	Description	Price
MLD-FGD-0909	9" Square Cover & Frame Open Area: 42.12 sq. in. Wall Flow: 248 gpm, Floor Flow: 261 gpm	\$275.80
MLD-FGD-1212	12" Square Cover & Frame Open Area: 81.30 sq. in. Wall Flow: 340 gpm, Floor Flow: 365 gpm	\$362.67
MLD-FGD-1818	18" Square Cover & Frame Open Area: 183.06 sq. in. Wall Flow: 712 gpm, Floor Flow: 816 gpm Includes Two Grates	\$671.11

Lawson SuperFlow™ Flat Main Drains

10 Year Life

2008 certified main drain grates and covers have a super flow 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 required. For single unblockable drains or multiple drain use.

Features and Specifications

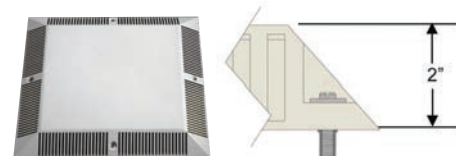
- Wall or floor installation
- ASME-2007 and NSF compliant
- UV and strength tested under ASME A112.19.8M
- Raised, cross-ridged profile for non-slip (and water penetration if blocked)

Part #	Description	Price
MLD-FG-1836-WT	Lawson 18" x 36" Suction Outlet Cover Open Area: 343.44 sq. in. Flow Rate Wall: 1,496 Flow Rate Floor: 2,080 Single Grate Included	\$614.84

AEGIS

Aegis Shield

15 Year Life from the Date of Installation



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

Part #	Description	Price
3030AEC	Aegis Shield, Cover Only Wall Flow: 1,120 gpm Floor Flow: 1,432 gpm	\$1,790.89

BRUSHES & SCRUBBERS

	Part #	Description	Price
A	6020	10" Blue & White Acid Brush (Great for Acid Washing Empty Pool)	\$14.48
B	471	72" Handle 1 1/2" Diameter Tapered End for Acid Brush 6020	\$7.67
C	9600	Dual Surface Acid Brush (Ideal for Acid Wash)	\$24.61
D	471A	72" Handle 1 1/2" Diameter Threaded End for Acid Brush 9600	\$13.22
E	R111560	4 1/2" & 10" Scrubber Universal Swivel Handle	\$30.46
F	PS122	Finger Brush, ABS Body, Nylon Bristles	\$6.28

CAULK & SEALERS**Vulkem® Sealant 116 & 45**

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

	Part #	Description	Price
A	1570W	Vulkem® 116, 10.5 oz Cartridge, White	\$16.31
A	1570G	Vulkem® 116, 10.5 oz Cartridge, Gray	\$16.31
B	1572W	Vulkem® 45, 30 oz Cartridge, White	\$36.35
B	1572G	Vulkem® 45, 30 oz Cartridge, Gray	\$44.88

**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.

	Part #	Description	Price
	80100B	Boss® 801 Silicone Adhesive, 10.3 oz Cartridge, Clear	\$12.26
	80101B	Boss® 801 Silicone Adhesive, 10.3 oz Cartridge, White	\$12.26

CAULK & SEALERS**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.

	Part #	Description	Price
	1533W	Ruscoe Permanent Sealer, 10 oz Cartridge, White	\$9.54
	1533W-HV	Ruscoe Permanent Sealer, High Viscosity, 10 oz Cartridge, White	\$11.27
	1533C-HV	Ruscoe Permanent Sealer, High Viscosity, 10 oz Cartridge, Clear	\$11.32

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.



	Part #	Description	Price
	530318	Pool Putty, 14 oz	\$20.61

**All Purpose Primer, Pool Tite & Blue 75**

	Part #	Description	Price
C	UE9336S	All Purpose Primer, Clear, Quart	\$18.83
	UE2346S	Pool Tite™, Pint (Not Shown)	\$13.81
D	UE2336S	Pool Tite™, Quart	\$44.14
E	SB75-030	Blue 75™ Thread Sealant, Quart	\$37.17

**Plaster, Specco Patch & Grout**

	Part #	Description	Price
F	20PBC300	Pearl Brite™ Plaster Mix, 50 lb Bag, White	\$46.13
	SCC050	Speccopatch, 50 lb Bag (Not Shown)	\$39.29
G	2544-0025-2	Laticrete Permacolor Grout, 25 lb, Brite White	\$43.87

PERMACOLOR GROUT

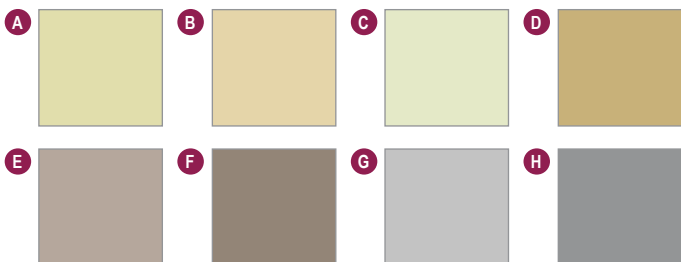
PERMACOLOR grout is a high performance, fast setting grout that provides a grout joint that is dense and hard. PERMACOLOR grout is color consistent. Mix only with water. Coverage will vary from grout line size to tile size. An example for a 2" x 2" tile, 1/4" grout line a 25 lb bag will cover approximately 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 convert worn, shabby and colorless pool decks into beautiful recreational areas on both new and old decks. Cracks, pits and breaks in the concrete may be patched and then painted with Patio Tones. Can be rolled on wet surfaces and cleans up with water. All surfaces must be properly cleaned prior to application. After sweeping away loose debris, use a stiff bristled patio broom to scrub the surface with a solution of tri-sodium phosphate and water. This removes suntan lotions and oils which will inhibit penetration of the Patio Tones. Rinse very well when done, now using a 10–15% solution of muriatic acid scrub the deck again. Rinse approximately every twenty feet. Upon completion, and after thorough rinsing, wash again with tri-sodium phosphate solution to neutralize any remaining traces of acid. Rinse and allow standing water to dissipate.

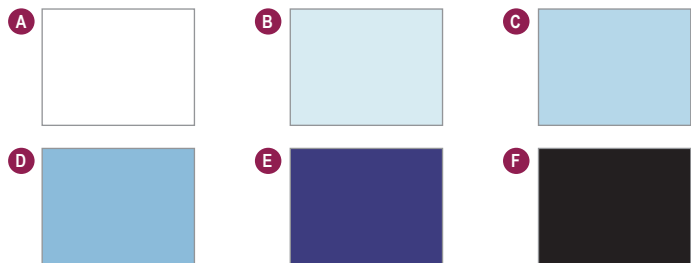


	Part #	Description	Price
A	W-475	Ivory (Cream), Gallon	\$60.23
B	W-469	Champagne (Very Light, Bone), Gallon	\$60.23
C	W-478	Warm Biscuit (Beige), Gallon	\$60.23
D	W-467	Silk Straw (Tan), Gallon	\$60.23
E	W-463	Desert Sun (Light Beige/Tan), Gallon	\$60.23
F	W-465	Sand Valley (Darker Beige), Gallon	\$60.23
G	W-472	Mystic Gray (Light Gray), Gallon	\$60.23
H	W-466	Creekstone (Grey), Gallon	\$60.23

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 required on these surfaces.



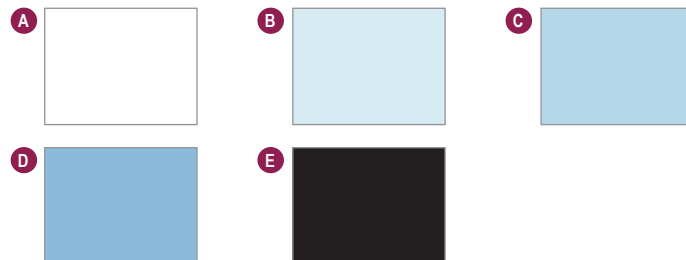
	Part #	Description	Price
A	2222	White, Gallon	\$145.65
B	2231	Blue Mist, Gallon	\$145.65
C	2225	Blue Ice, Gallon	\$145.65
D	2228	Bikini Blue, Gallon	\$145.65
E	2212	Viking Blue, Gallon	\$164.40
F	2226	Black, Gallon	\$145.65

KELLEY TECHNICAL COATINGS

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 surface with a long lasting finish.



	Part #	Description	Price
A	390	White, Gallon	\$155.39
B	395	Blue Mist, Gallon	\$155.39
C	391	Blue Ice, Gallon	\$155.39
D	392	Bikini Blue, Gallon	\$155.39
E	399	Black, Gallon	\$155.39

PAINT COLOR SAMPLES

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

Gunzite Primer

1 Gallon Yields Approximately 100–150 sq. ft.

This 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. Effective on sandblasted surfaces.



Part #	Description	Price
216	Gunzite Primer, Gallon	\$87.37

KELLEY TECHNICAL COATINGS DIVING BOARD RESURFACING KIT

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.



Part #	Description	Price
U100	Diving Board Resurfacing Kit, White	\$75.32
U102	Diving Board Resurfacing Kit, Bikini Blue	\$75.32

CLEANING & MAINTENANCE ACCESSORIES



ProGold Series

	Part #	Description	Price
A	PS494	18" Wall Brush with Aluminum Handle, Metal Back & Nylon Mixed with Stainless Steel Bristles	\$16.69
B	PS495G	24" Wall Brush with Aluminum Handle & Nylon Bristles	\$15.45
C	PS161	14" Pro Leaf Rake Skimmer with Heavy-Duty Nylon Net, Aluminum Frame & Handle	\$10.24
D	PSBKSKM	17" Pro Skimmer	\$22.88
E	PS160BLK	15" Pro Leaf Rake with Heavy-Duty Deep Pocket with Aluminum Frame & Handle	\$11.07
F	PS173	18½" Leaf Rake with Heavy-Duty Nylon Net with Flexible Squeegee & Extra-Long Tubular Aluminum Frame & Handle	\$26.18
G	PS548	Pro Leaf Rake with Extra-Long Tubular Aluminum Frame & Handle	\$20.06
H	PS902	14" Vacuum Head Flexible Body with Flex Bearing Wheels	\$44.04



Brushes

	Part #	Description	Price
I	R111616	6" Algae Brush, Stainless Steel Aluminum Back, 604A	\$18.51
J	R111626	9" Algae Brush, Stainless Steel Aluminum Back, 709	\$21.89
K	R111646	18" Algae Brush, Stainless Steel Aluminum Back, 719	\$35.88
L	PS166CB	18" Curved Wall Brush with ABS Body & Polypropylene Bristles	\$4.49
M	PS200	18" Aluminum Back Wall Brush with Polypropylene Bristles	\$7.51
N	PS025	18" Aluminum Back Wall Brush with Nylon Bristles	\$10.52

CLEANING & MAINTENANCE ACCESSORIES



Leaf Rakes & Skimmers

	Part #	Description	Price
O	820N	19" Professional Leaf Rake, Durable Aluminum Frame & Handle with Polyester White Bag	\$60.45
P	PS087	Standard Leaf Skimmer with Aluminum Frame & Handle & Polyethylene Net	\$8.24
Q	PS146	Leaf Skimmer with 4' Aluminum Telepole & Polypropylene Frame & Net	\$7.70



Poles & Accessories

	Part #	Description	Price
R	PS132S	8'-16' Telescopic Pole, ABS Lock & Ribbed	\$30.24
	PS232Y	8'-16' Telescopic Pole, Fiberglass, Yellow & Black (Not Shown)	\$73.73
S	R191090	12'-23½' Telescopic Commercial Aluminum Pole, Metal Cam, 812-24	\$76.91
	R191306	8'-16' Telescopic Pole (Not Shown)	\$37.98
T	R221036	Plastic Pole Hanger	\$8.11
U	R221042	Metal Pole Hanger	\$10.68
V	R22001	Kwik-Fit Spring Y-Clip	\$2.32

Rust Stone on Quick-Clip Handle, ABS Body

Easy to use stain remover, eliminate most types of stains and deposits including: rust, calcium scale, calcium deposits and many other stains. Use by hand or attach to any standard telepole.



Part #	Description	Price
PS383	Rust Stone on Quick-Clip Handle, ABS Body	\$4.63

Pool Blok® 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: Make sure to keep both the pumice stone and the surface you are cleaning wet at all times.



Part #	Description	Price
PB-12	Pool Blok® Pumice Stone, Large	\$17.06

Pro-Vac® Vacuum Heads

Includes 1½" vac hose swivel connections.



	Part #	Description	Price
W	R201286	Pro-Vac® 22" Commercial Model Vac Head, Metal Swivel Handle, Ball Bearing Wheels, Stainless Steel Shaft, #222	\$116.08
	R201296	Pro-Vac® 29" Commercial Model Vac Head, Metal Swivel Handle, Ball Bearing Wheels, Stainless Steel Shaft, #229 (Not Shown)	\$148.83

PORTABLE GAS & ELECTRIC MANUAL CLEANERS & ACCESSORIES

Sta-Rite® Gasoline Engine Pump

This 3 hp pump has a gasoline engine with 6" cast iron hair strainer and basket. Includes handle cart, 1/4" discharge hose, fittings and clamp. Two inch suction and discharge.



Part #	Description	Price
STA3HPGAS	Portable Gas Vacuum without Filter	\$1,848.90

The Scamp

Mounted on a stainless steel cart with a top of the line self-priming pump and fitted with a 15 AMP GFI. The Scamp is supplied with a certified 3/4 hp pump and 75 sq. ft. cartridge filter. A perfect tool for the pool service professional.



Part #	Description	Price
A 725SCAMP	Portable Electric Vacuum with Cart & Filter	\$1,872.39
SCAMPKIT	Discharge Hose and 1 1/2" Barbed Fitting Replacement Cartridges Available, 17516 (Not Shown)	Included with 725SCAMP
17530	Cartridge for Scamp (Not Shown)	\$86.27

Fittings & Accessories

Part #	Description	Price
AL710	12" x 18" Cart, Curved Handle, Two Legs, 18 Gauge Steel Electrostatically Painted Blue with Non-Corrosive Wheels	\$272.01
AL710SS	12" x 18" Cart, Stainless Steel, Curved Handle, Two Legs, 18 Gauge Steel Electrostatically Painted Blue with Non-Corrosive Wheels	\$454.88
AL726	Cart Only for 725SCAMP Model Vac	\$493.47
17516	Replacement Cartridge for Scamp, Hayward Model	\$91.96



Harmsco® Vacuum Replacement Cartridges

Part #	Description	Price
B ST105	Harmsco®, 105 sq. ft.	\$91.93
C ST155	Harmsco®, 155 sq. ft.	\$112.09

PORTABLE GAS & ELECTRIC MANUAL CLEANERS & ACCESSORIES



Zodiac SpaWand®

	Part #	Description	Price
	5-500-00	Zodiac SpaWand®, Pro-Yellow Plastic (Not Shown)	\$154.14
D	5-400-00	Zodiac SpaWand®, Blue Plastic	\$77.12
E	5-300-00	Zodiac SpaWand®, Pro XL Extended	\$173.37

HEAVY-DUTY COMMERCIAL VACUUM HOSES

I-Helix Hose & Accessories

Dual profile construction with tough outer shell makes this hose perfect for any job and environment. Flexible web allows 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

Part #	Description	Price
DL30/2	1 1/2" x 30' with One Swivel End, 766085	\$86.24
DL40/2	1 1/2" x 40' with One Swivel End, 766209	\$106.72
DL50/2	1 1/2" x 50' with One Swivel End, 766210	\$124.64
DL75/2	1 1/2" x 75' with One Swivel End, 772568	\$195.73
IH50/2	2" x 50' with One Swivel End, 772198	\$225.57
IH75/2	2" x 75' with One Swivel End, 768942	\$317.01
R221046	Hose Hanger (Not Shown)	\$9.59



Discharge Hose

	Part #	Description	Price/Ft
F	1TPOLYB150	1 1/2" PVC Polyflo Reinforced	\$0.62
F	1TPOLYB200	2" PVC Polyflo Reinforced	\$0.73

DOLPHIN™ C SERIES

The Dolphin™ C series line is a professional cleaner for all commercial pool types, sizes and shapes. This line offers heavy-duty cleaning performance, with long-term reliability and cost effective operation. The Dolphin™ C series line is the proven solution for any commercial pool. Two-year bumper-to-bumper warranty.



Dolphin™ C4

NOW WITH GYRO!

- Cleans pool floor, cove, walls and waterline
- Recommended for small to mid-size commercial pools

Perfect for small to mid-size commercial pools, the Dolphin™ C4 is a robust commercial cleaner that includes valuable features while maintaining an affordable price point.

DOLPHIN EXCLUSIVE FEATURES:

- Full Filter Indicator—tells you it's time to clean the filter!
- Delayed start feature allows debris to settle for easy removal.
- Pro remote included for manual navigation and cycle selection
- Incredibly efficient—cost less than 15 cents to clean the pool.
- Patented swivel cable helps prevent tangling
- Multiple cycle options: 1½, 2½ or 3½ hours
- Large self-contained filter cartridge to collect dirt, debris and even dust particles
- Includes caddy for easy portability and storage
- Self-Programmed for optimal pool scanning

DOLPHIN™ C4 SPECIFICATIONS:

- Cycle Time: 1½, 2½ or 3½ hours
- Cable Length: 78'
- Filter: Fine and ultra-fine cartridges
- Suction Rate: 4,233 gal/hour
- Unit Weight: 22 lbs

Part #	Description	Qty/Unit	Price
99991083-C4	Dolphin™ C4 with Caddy & Pro Remote, 78' Cord	1	\$1,899.00
9985006-R2	Timing Track, Grey	2	\$61.32
99954226-ASSY	Remote, Pro	1	\$89.99
9991432-R4	Ultra Fine Cartridge Filter	4	\$59.99
99955956-ASSY	Wheel Tube Assembly	2	\$49.99
6101635	PVC Brush, Grey (Use with 6101656 & 6101611)	4	\$23.39
6101656	Combined Brush, Grey (Use with 6101611)	4	\$56.85
6101611-R4	Wonder Brush Ring (Use with 6101656)	4	\$76.24



STOP!

Warranty is void if Dolphin vacuums are purchased online.



Dolphin™ C5

- Cleans pool floor, cove, walls and waterline
- Recommended for small to mid-size commercial pools

The Dolphin™ C5 is a professional, non-compromising solution to meet the demands of commercial pool cleaning. Its dual drive motors and split brush technology provide incredible maneuverability and coverage while its digital remote gives the user pinpoint navigation and control.

DOLPHIN EXCLUSIVE FEATURES:

- Full Bag Indicator—tells you it's time to clean the filter
- Delayed start feature allows debris to settle for easy removal
- Pro remote included for manual navigation and cycle selection
- Incredibly efficient—cost less than 15 cents to clean the pool
- Patented swivel cable helps prevent tangling
- Multiple cycle options: 4, 6 or 8 hours
- Large self-contained filter bag to collect dirt, debris and even dust particles
- Includes caddy for easy portability and storage
- Self-Programmed for optimal pool scanning

DOLPHIN™ C5 SPECIFICATIONS:

- Cycle Time: 4, 6 or 8 hours
- Cable Length: 98'
- Filter: Fine and ultra fine filter bags
- Suction Rate: 4,233 gal/hour
- Unit Weight: 24¼ lbs

Part #	Description	Qty/Unit	Price
9999396X-C5	Dolphin™ C5 with Caddy & Pro Remote, 98' Cord	1	\$3,299.00
9985006-R2	Timing Track, Grey	2	\$61.32
99954226-ASSY	Remote, Pro	1	\$89.99
9995430-ASSY	Filter Bag, 50 m	1	\$49.99
99954308-R1	Filter Bag, 70 m	1	\$39.99
99955952-ASSY	Wheel Tube Assembly	2	\$47.99
6101635	PVC Brush, Grey (Use with 6101656 & 6101611)	4	\$23.39
6101656-R4	Combined Brush, Grey (Use with 6101611)	4	\$49.99
6101611-R4	Wonder Brush Ring (Use with 6101656)	4	\$76.24

DOLPHIN™ C SERIES

The Dolphin™ C series line is a professional cleaner for all commercial pool types, sizes and shapes. This line offers heavy-duty cleaning performance, with long-term reliability and cost effective operation. The Dolphin™ C series line is the proven solution for any commercial pool. Two-year bumper-to-bumper warranty.



Dolphin™ C6 Plus

- Cleans pool floor, cove, walls and waterline
- Recommended for large commercial pools

The Dolphin™ C6 Plus is a heavy-duty robust performer that does it all. It boasts double filtration and scrubbing power with adjustable pool parameters and choice of cycles.

DOLPHIN EXCLUSIVE FEATURES:

- Full Bag Indicator—tells you it's time to clean the filter
- Delayed start feature allows debris to settle for easy removal
- Pro remote included for manual navigation and cycle selection
- Incredibly efficient—cost less than 15 cents to clean the pool
- Patented swivel cable helps prevent tangling
- Multiple cycle options: 4, 6 or 8 hours
- Large self-contained filter bag to collect dirt, debris, and even dust particles
- Includes caddy for easy portability and storage
- Self-Programmed for optimal pool scanning

DOLPHIN™ C6 PLUS SPECIFICATIONS:

- Cycle Time: 4, 6 or 8 hours
- Cable Length: 131'
- Filter: Fine and ultra fine bags
- Suction Rate: 8,466 gal/hour
- Unit Weight: 44 lbs.

Part #	Description	Qty/Unit	Price
9999356-C6P	Dolphin™ C6 Plus with Caddy, Pro Remote & 131' Cord	1	\$4,999.00
9985006-R2	Timing Track, Grey	2	\$61.32
99954226-ASSY	Remote, Pro	1	\$89.99
9995430-ASSY	Filter Bag, 50 m	1	\$49.99
99954308-R1	Filter Bag, 70 m	4	\$99.76
99955954-ASSY	Wheel Tube Assembly	4	\$47.99
6101602	PVC Brush, Grey (Use with 6101641 & 6101611)	4	\$23.39
6101641-R2	Combined Brush, Grey (Use with 6101611)	4	\$24.94
6101611-R4	Wonder Brush Ring (Use with 6101641)	4	\$58.23



NEW!

Dolphin™ C7

- Cleans pool floor
- Recommended for large commercial pools

World's #1 Robotic Pool Cleaning Brand, rolls out the new C7 commercial robotic cleaner, ideal for up to 115'. Heavy-duty robust performer, with durable tracks and dual scrubbing brushes create the friction needed to remove leaves, dirt and debris on the floor – leaving your pool sparkling clean.

DOLPHIN EXCLUSIVE FEATURES:

- Filter Description: top-load, cartridge, fine
- Filter Indicator: tells you it's time to clean the filter
- Floor cleaning coverage only
- Pro remote included for manual navigation and cycle selection
- Patented swivel cable helps prevent tangling
- Multiple cycle options 4, 5, 6 hours
- Cleaning Modes: quick, standard, enhanced
- Includes caddy for easy portability and storage

DOLPHIN™ C7 SPECIFICATIONS:

- Cycle Time: 4, 5 or 6 hours
- Cable Length: 115'
- Suction Rate: 9,240 gph
- Unit Weight: 55 lbs.

Part #	Description	Qty/Unit	Price
99997151-C7	Dolphin C7 Large Commercial Pools with Caddy, Remote & 115' Cord	1	\$5,499.00

DURAMAX™**DuraMAX™ Junior T-RC**

Designed to clean smaller commercial in-ground pools. It covers up to 6,500 sq. ft. per hour while filtering up to 4,800 GPH. This unit cleans walls, floors and offers optional activation for the waterline. The DuraMAX™ Junior T-RC has a single body design for compact use and easy storage.

Part #	Description	Qty/Unit	Price
ADMXJRTRCSW	DuraMAX™ Junior T-RC	1	\$1,549.00
3203	Drive Track, G Type, Blue	2	\$60.37
A3302	Drive Belt, Small	2	\$32.49
A38205MG	Wheel Tube Assembly	2	\$139.88
SK3016BL	Brushes, Blue	2	\$83.42
A9600BL	Bottom Lid Assembly	1	\$99.00
8111	Filter Bag, Fine	1	\$65.24
5310	Filter Screen	1	\$44.67

**DuraMAX™ Bi-Turbo T-RC**

The DuraMAX Bi-Turbo T-RC with 120' cable cleans up to 8,790 sq. ft. per hour and filters up to 9,600 GPH. It cleans both the floor and walls. The DuraMAX Bi-Turbo T-RC includes three-directional remote control, air sensor and adjustable 1–7 hour timer with automatic shut-off and Ultra Kart, Jr. for safe transport.

Part #	Description	Qty/Unit	Price
ADMXBTTRC	DuraMAX™ Bi-Turbo T-RC	1	\$3,999.00
SK3310	Drive Belt	2	\$158.40
A9201XC	Bottom Lid Assembly	1	\$115.43
8101	Filter Bag, Large, Fine	1	\$89.45
8201	Filter Bag, Large, Mesh	1	\$87.16
5310	Filter Screen	1	\$44.67
A38225	Wheel Tube Assembly	2	\$163.60
SK3017BL	Brushes, Blue	2	\$83.42

**DuraMAX™ RC**

Designed to clean commercial in-ground pools. It covers up to 8,790 sq. ft. per hour while filtering up to 9,600 GPH. This unit cleans floors and offers optional activation for the waterline. The DuraMAX™ RC has extended body design for great performance and offers four-directional wireless remote control which helps to clean those hard to reach areas.

Part #	Description	Qty/Unit	Price
ADMXRCSW	DuraMAX™ RC	1	\$2,999.00
SK3310	Drive Belt	2	\$158.40
S38226BPK	Wheel Tube Assembly	4	\$79.96
SK3016BL7	Brushes, Blue	4	\$83.42
A9201XC	Bottom Lid Assembly	1	\$115.43
8101	Filter Bag, Large, Fine	1	\$89.45
8201	Filter Bag, Large, Mesh	1	\$87.16

**DuraMAX™ Duo Junior**

Designed to clean commercial in-ground pools. It covers up to 9,750 sq. ft. per hour while filtering up to 9,600 GPH. This unit cleans floors and offers optional activation for the wall cleaning. The DuraMAX™ Duo Junior offers four-directional wireless remote control, adjustable timer with automatic shut-off and air sensor.

Part #	Description	Qty/Unit	Price
ADMXDJOJR	DuraMAX™ Duo Junior	1	\$4,649.00
SK3310	Drive Belt	2	\$158.40
SK2691	Wheel Tube Assembly	4	\$33.98
SK3016BL7	Brushes, Blue	4	\$83.42
A9201XC	Bottom Lid Assembly	1	\$115.43
8101	Filter Bag, Large, Fine	1	\$89.45
8201	Filter Bag, Large, Mesh	1	\$87.16
S5313	Filter Screen	1	\$49.79

AQUAMAX™ & ULTRAMAX™ PARTS



AquaMAX X1



AquaMAX X2



AquaMAX X3



UltraMAX XL

Unit Parts

Part #	Description	Qty Per Unit				Each
		AquaMAX X1	AquaMAX X2	AquaMAX X3	UltraMAX XL	
RB00098	Drive Belts, Blue	2	—	2	2	\$79.20
RB00123BL	Super Brushes for Split Wheel Tube Assembly	2	4	—	—	\$29.20
RB00127BL	Super Brushes for Whole Wheel Tube Assembly	1	—	—	—	\$68.35
RB00124BL	PVC Brushes, Blue	—	—	4	—	\$32.63
RB00125BL	Super Brushes, Santoprene	—	—	—	4	\$120.42
3015A	Locking Pins for Super Brushes	2	4	4	4	\$29.20
03015I	Locking Pins for Super Brushes	1	—	—	—	\$21.40
AS1051414	Filter Assembly	2	—	—	—	\$45.00
A8100SPK	Filter Bag	—	1	—	2	\$65.21
8101	Filter Bag	—	—	1	—	\$87.16
AS09241	Filter Screen Assembly	—	1	—	—	\$54.00
AS09225	Filter Screen Assembly	—	—	—	2	\$66.28
AS38249BL	Wheel Tube Assembly, Whole	1	—	—	—	\$131.06
A38223BL	Wheel Tube Assembly, Split	2	4	—	—	\$65.00
AS38234BL	Wheel Tube Assembly, Split	—	—	4	—	\$69.96
AS38230	Wheel Tube Assembly, Split	—	—	—	4	\$77.81
RB00099BL	Wheel PVC for Hub, Blue	—	—	4	—	\$32.10

RMA (REPAIR MERCHANDISE AUTHORIZATION)

Thank you for giving us the opportunity to service your robotic pool cleaner. It is our goal to provide you with prompt and courteous service and to minimize the amount of time your unit is out of service.

- The convenience fee of \$75.00 is to retrieve the unit, research warranty availability and proceed with the proper steps to get your pool cleaner repaired. This does not include any shipping fee(s).
- If the unit is covered under the manufacturer's warranty, we will proceed with the repairs needed, process the invoice for the convenience and shipping fee.
- If the unit is not covered under warranty, a formal proposal will be sent to you with the repair charges for approval or rejection, along with the convenience and shipping fee if not already invoiced.
- If you choose not to repair the unit, we will process the invoice for the convenience and shipping fee and return the unit back to you.

- If you decide not to repair the unit and purchase a new unit from Aqua Pure the convenience fee will be applied to the purchase of a new unit. You will receive your unit back with the delivery of the new unit.



- If you decide not to repair the unit and do not want your unit back, a formal destroy letter must be signed and a final invoice for the convenience and shipping fee will be processed.

Part #	Description	Price
CONVFE	Retrieve the Unit, Research Warranty, Provide a Proposal for Warranty or Repair	\$75.00

A

Accessory Kits	33
Accu-Tab®	
Feeders	21-23
Parts	20
Acid	
Cyanuric	34-35
Demand	35
Muriatic	5
Sulfuric	35
Acid Magic®	5
Adhesive, Silicone	65
Agent, Sequestering	6
Air	
Bleeder	39
Relief	39
Body Assembly	39
Algae	7
Brush	67
Algae Kil CB7	7
Alkalinity	
Test	35
Total	35
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Combat Extra	7
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DropOut™	11
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Enzyme	11
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Metal Magic	6
Metal Wizard	6
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Muriatic Acid	5
Mustard & Black Magic	7
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INDUSTRY REGULATIONS & STANDARDS

FEDERAL & STATE REGULATION AGENCIES & STANDARDIZATIONS

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)

idph.org

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)

cdc.gov

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)

cpsc.gov

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

justice.gov

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 <http://www.access-board.gov/ada/index.htm>

Occupational Safety & Health Administration (OSHA)

osha.gov

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)

epa.gov

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.

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.

[illegible]

SOURCE WATER TEST RESULTS & 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 then 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, allow 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 should be used on a routine basis for facilities that have high levels of copper, iron and manganese in the water.

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.

TREATMENT METHODS FOR START-UP: _____

ROUTINE TREATMENTS: _____

DOSAGE CHEMICAL & AMOUNTS

Parameter	Adjustment Needed	Chemicals to Use	Start-Up Dosage	Routine Dosage – 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"/>			

GALLONS OF WATER: _____



Always follow manufacturers labels, safety instructions and refer to SDS for safe handling procedures.

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 basis 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
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.		
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

*Other calcium hypochlorite products are available from 47–78%. Remember to follow the label directions for dosage amounts.

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*	180	All Types
	60	100–120**	180	All Types
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

Alkalinity:

*Range for alkalinity with use of disinfectant of calcium hypochlorite or sodium hypochlorite

**Range for alkalinity with use of disinfectant of dichlor or trichlor



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As one of the leading swimming pool service providers in Illinois, our team of experts has a very comprehensive understanding of the swimming pool mechanical pump room equipment and plumbing. Each service technician must complete the Certified Pool Operator Course (CPO®), attend various manufacturer training workshops and be proficient on all equipment we install. On January 1, 2013, new legislation was enacted that calls for swimming facility architects, professional engineers and contractors to be prequalified by the Illinois Department of Public Health (IDPH). Aqua Pure Enterprises, Inc. was prequalified in 2013. Our knowledgeable, trained and certified technicians are sure to impress.



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