

As you page through this catalog, you may notice that we take a different approach to filtration than the mainstream. This is because we don't think "mainstream" is always synonymous with good. We're building filters designed to excel. We're not here to maintain the status quo, we want to break it.

We don't sell skimmers?!

Skimmer-based systems have gained a lot of popularity in the past few years thanks to millions of dollars in advertising. While fancy magazine ads, brochures and videos may look nice, they add no value to a flawed product.

We have no problems using skimmers to supplement existing filtration. For the few weeks each year that a large amount of floating debris lands in your pond, they can be a blessing. However, using a skimmer as the main water intake neglects many aspects of pond filtration.

Most of the waste in ponds isn't at the top of the water, it's at the bottom of the pond. Fish waste, detritus and even a majority of leaves end up on the bottom of the pond. So how can you expect a skimmer to properly maintain water quality when it isn't even picking up the majority of harmful wastes?

To make a bad situation worse, many advocate the use of stones on the bottom of the pond. Stones trap wastes that would normally be picked up by the filter. With no escape, no flow and no oxygen, these wastes decompose and release toxic compounds into the water. Sound familiar? It's just like having a septic tank in your pond. You wouldn't drink water from a septic system, so why would you expect your fish to live in it?

If you could clean these stones without tearing the pond down to bare liner, then the trapped wastes wouldn't pose a threat to the pond. But try cleaning a ton or two of rock monthly. You can't!

People tout skimmers and rocks as the "new way" of building ponds. We hate to break it to them, but pond keepers put rocks on the bottom of their ponds 20 years ago. It was so troublesome that the idea was sworn off. It didn't work then, it doesn't work now.

Patio Ponds doesn't build skimmers because we don't think they're essential to maintaining a successful pond. Additionally, there are traditional pool skimmers that cost less, take up less space and work nearly as well. The best ponds use skimmers as a supplemental water intake, and keep the rocks out of the bottom so wastes are picked up by the filter. It is an easier, cleaner and more economical approach that yields far better results than skimmers alone.

Why pressurized filters just don't work.

Pressurized filters have been popular due to their perceived small shape and simple plumbing scheme. It all looks good on paper: one pipe in, one pipe out, no worries about filter height. However, performance and maintenance pay a heavy price for convenience. Pressurized filters have never reached the level of efficiency of open-end filter designs.

All pressurized filters suffer from the same critical flaw: lack of sustained flow and oxygen supply. Oxygen, flow and surface area are three things nitrifying bacteria need to grow. If any of these three critical components are missing, biological filtration ceases and water quality and clarity suffer as result.

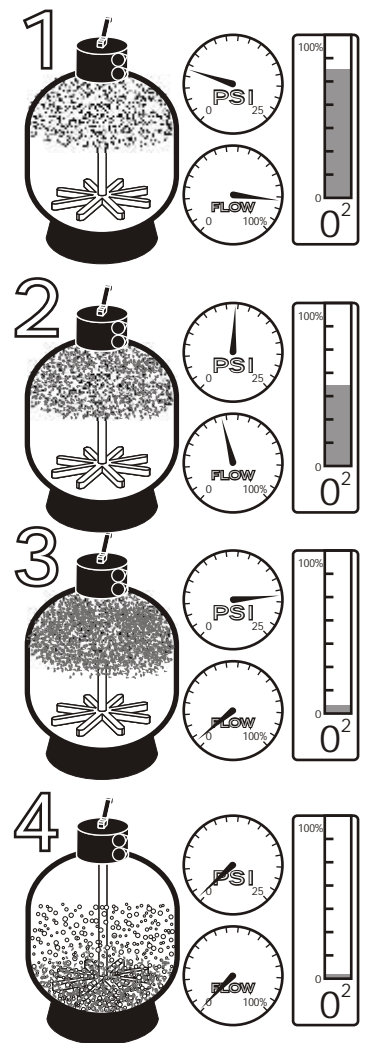
You may see pressurized filter manufacturers pushing expensive UV sterilizers with every filter they sell. This is because the poor biological filtration of pressurized filters is not adequate to maintain proper water quality and clarity. UV sterilizers are useful at times, but they're no substitute for a good filter.

Worse yet, pressurized filters can require up to two cleanings a day. The time involved for each cleaning may be small, but the overall time spent maintaining a pressurized filter is much greater than nearly any other design. Additionally, backflushing the filter wastes a large volume of water (typically 2-3 times the volume of the filter), which can put a strain on water supplies during drought.

Patio Ponds doesn't build pressurized filters for one reason: they don't work nearly as well as our existing filters. The day we find a way to make a pressurized filter system that remains aerobic and doesn't clog, we'll begin producing them. Until then, pressurized filters remain poor biological filters. We relegate pressurized filters to the duties of supplemental filtration and water polishing, tasks to which they are much better suited.

See how a pressurized filter fails :

When in normal operation (1), water flows through the bed of media and exits the filter with minimal resistance (pressure, or PSI). Because flow is good, oxygen is supplied to the filter from the pond water and biological filtration can occur. However, as the filter begins to clog (2), oxygen and flow plummet due to the increased resistance, hindering biological filtration. As the filter continues to clog (3), oxygen and flow are almost non-existent, creating an anaerobic environment. By the time the filter is finally cleaned (4), it is too late. Nitrification has ceased and organic decay has increased, creating a sewer-like environment that releases toxic compounds into the water. Disease-causing bacteria, commonly found in sewage effluent, thrive and increase their numbers. This creates a potentially harmful environment for all pond inhabitants.



Actually, the next Big Thing will be a pretty small thing.

Introducing the VistaClear™ from Patio Ponds.

When it comes to pond filtration, size matters. But performance matters more. What good is a small filter if it doesn't keep a pond looking great? Likewise, what good is a large filter if it can't be hidden from view? With the new VistaClear filter from Patio Ponds, you no longer have to compromise between performance and being discreet.

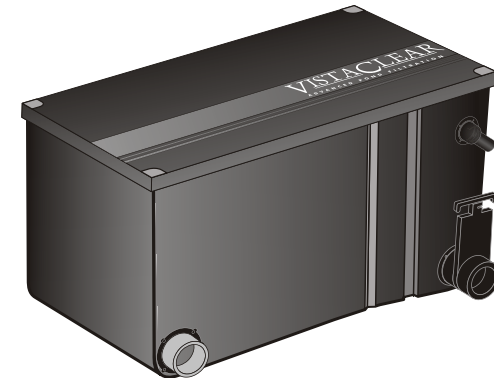
The VistaClear's novel two-chamber wet/dry design took years to perfect. It combines top-notch mechanical filtration and superior wet/dry biological filtration to maximize performance and minimize space. In other words, this filter may be small, but it works as hard as filters twice its size.

Like all Patio Ponds filters, the VistaClear is constructed of only the highest quality materials and components. Matala™ provides excellent biological filtration while our top-quality filter brushes trap harmful solid wastes. Outside, the filter body & lid are rotomolded, not vacuumed formed. This makes the VistaClear rigid and strong enough to carry our Lifetime Filter Body Guarantee.

The VistaClear is available in an array of color choices, making it easy to incorporate into any landscape. Place it anywhere: behind a bush, under a bench or even out in the open. Whether in a formal English courtyard, a serene Japanese garden or a desert oasis, the VistaClear is sure to keep the pond clean while maintaining harmony with the garden.

Compare the VistaClear to other filters and you'll see that it delivers more filter media and more performance, per dollar and per cubic inch, than any other filter available today. Even better, the VistaClear is surprisingly easy to maintain. Just shake the brushes and drain all the dirt away. Simple, isn't it?

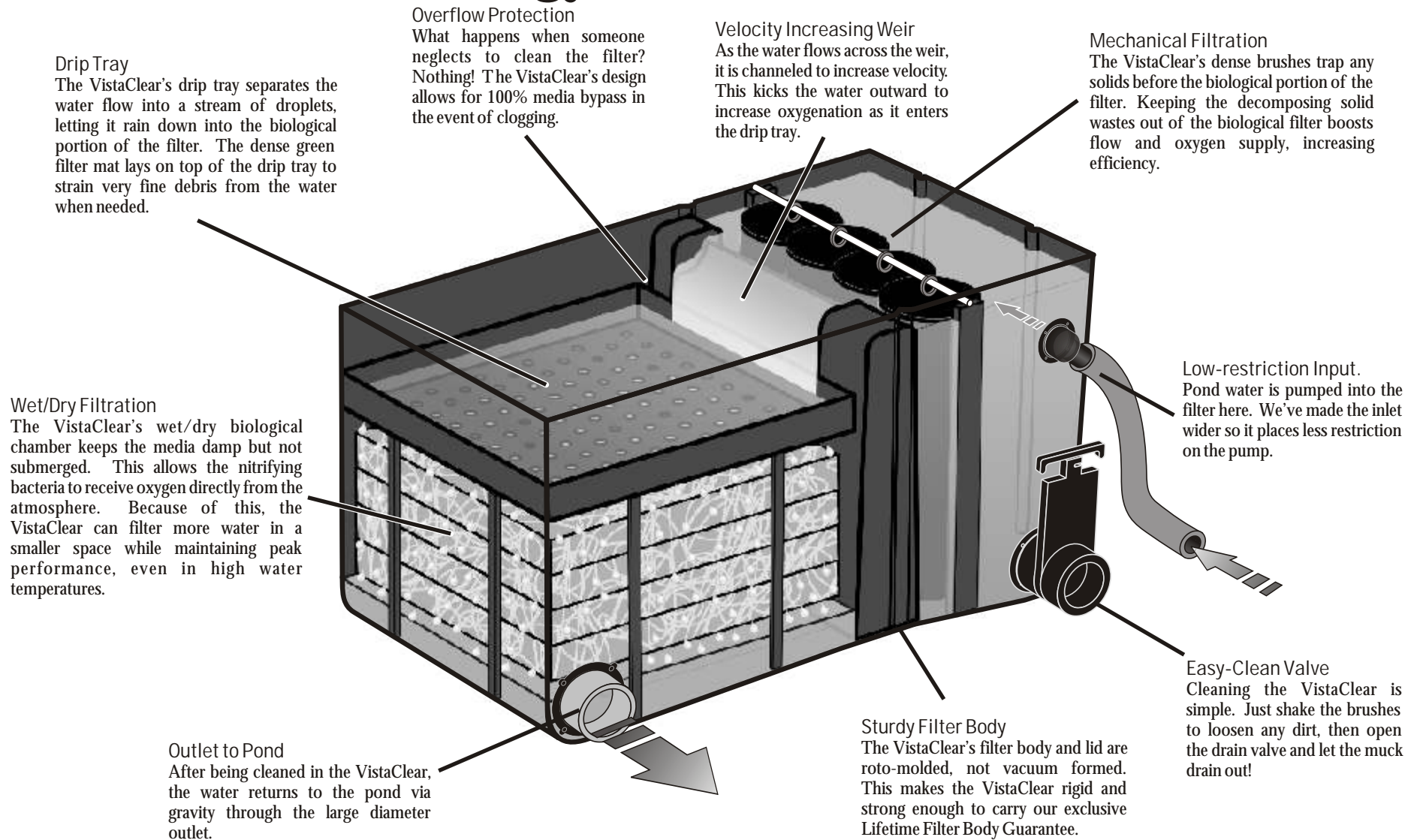
We think so.



Dimensions	Flow Rate	Inlet Size	Outlet Size
23½"L x 12½"W x 15"H	600-900 GPH	1" FPT	2" FPT
USDA Zone	Zones 2-4 (Cool)	Zones 5-7 (Warm)	Zones 8-10 (Hot)
Max Pond Size	2,000	2,000	2,000

Item Code	Description	UPC Code	Weight	Case Qty	MSRP
VCLRB	VistaClear Filter – Black	77868 00119	18 lbs.	-	\$299.00
VCLRG	VistaClear Filter – Green	77868 00121	18 lbs.	-	\$299.00
VCLRS	VistaClear Filter – Stone Gray	77868 00125	18 lbs.	-	\$299.00
VLCRT	VistaClear Filter – Terra Cotta	77868 00128	18 lbs.	-	\$299.00
FMVCB	Replacement Bio-Media for VistaClear	77868 00219	2	CALL	CALL
FMVCG	Disposable Filter Pad for VistaClear (3 pk)	77868 00220	1	16	\$9.99
VCRD	Replacement Brush Rod for VistaClear	-	-	-	\$2.49

The Technology Behind the VistaClear™



VISTACLEAR™

ADVANCED POND FILTRATION

Patio Ponds Ltd. • (301) 874-8440 Tel • (301) 874-8441 Fax

Little Sub™

Perfect for smaller ponds, the Little Sub is compact, efficient and easy to service. Not only is it a great biological filter, the Little Sub can also be used as a pump pre-filter for any pump with a threaded intake. Thanks to its generous amount of media (up to 10 times the competition's), the Little Sub requires less frequent cleaning than any other submersible filter.

Features:

- Full Lid
- Durable biological filter matting
- 3/4" MPT x HB adapter to connect filter to 3/4" ID tubing
- 3/4" MPT x 1/2" MPT adapter to connect filter to Pondmaster 250-700 pumps

Recommended Pumps/Accessories:

- Works great with the following Pondmaster pumps:
 - Pondmaster 250
 - Pondmaster 350
 - Pondmaster 500
 - Pondmaster 700
 - Pondmaster 1200
- An 8 watt Aqua Ultraviolet UV Sterilizer is recommended for use in hot climates
- Use pump to run waterfall or a decorative fountain



Dimensions	Max Flow Rate	Inlet Size	Outlet Size
18"L x 14"W x 6½"H	1,000 GPH	N/A	¾" FPT
USDA Zone	Zones 2-4 (Cool)	Zones 5-7 (Warm)	Zones 8-10 (Hot)
Max Pond Size	750 Gallons	500 Gallons	250 Gallons

Item Code	Description	UPC Code	Weight	Case Qty	MSRP
LSUB	Little Sub Filter	77868 00100	7 lbs.	5	\$99.00
FMLS	Replacement Media for Little Sub	77868 00200	1 lbs.	5	\$20.89

Little Tub™

Simple in design, yet surprisingly effective and reliable, the Little Tub provides premium filtration in an easy-to-clean unit. Boasting many features not found in similarly-priced filters, the Little Tub offers conveniences such as a spraybar for aeration, durable clog-resistant filter matting and emergency overflow protection. Easily buried, the Little Tub can be incorporated into almost any landscape setting.

Features:

- Full Lid
- Durable biological filter matting
- Easily expandable, accepts up to 1,000 cubic inches of additional filter media

Recommended Pumps/Accessories:

- Works great with the following Pondmaster pumps:
Pondmaster 700
Pondmaster 1200
- Customers desiring an external pump should use:
Sequence 750 Pump, Model #: 3600SEQ12
- A 15 watt Aqua Ultraviolet UV Sterilizer is recommended for use in hot climates



Dimensions	Max Flow Rate	Inlet Size	Outlet Size
21½" Dia x 14"H	800 GPH	¾" Hose Barb	1½" FPT
USDA Zone	Zones 2-4 (Cool)	Zones 5-7 (Warm)	Zones 8-10 (Hot)
Max Pond Size	1,500 Gallons	1,000 Gallons	500 Gallons

Item Code	Description	UPC Code	Weight	Case Qty	MSRP
LTUB	Little Tub Filter	77868 00107	14 lbs.†	-	\$149.00
FMLT	Replacement Media for Little Tub	77868 00207	2 lbs.	3	\$34.89
LTSB	Replacement Spraybar for Little Tub	N/A	1 lbs.	-	\$7.99
LSSP	Replacement Standpipe for Little Tub	N/A	2 lbs.	-	\$3.99
LTOR	Replacement O-ring for Little Tub Spraybar	N/A	-	-	\$0.75

Little Sister 2000™

For years, the Little Sister 2000 has been the mainstay of our filter line. Easy to clean, amazingly efficient and ruggedly built, the Little Sister provides amazing value and performance to the pond owner. No wonder it has been the standard all other pond filters should be judged by for over ten years.

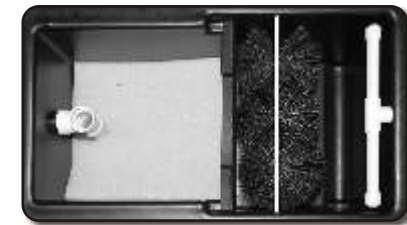
The Little Sister 2000's dual chamber design and standard drain valves make cleaning a snap. Each chamber can be cleaned individually in seconds by shaking the filter media and opening the drain valve. This simple process saves countless hours of cleaning time over a single season!

Features:

- Full Lid
- Dense brushes to trap debris
- Durable biological filter matting
- Includes easy open drain valves

Recommended Pumps/Accessories:

- Works great with the following submersible pumps:
Pondmaster 1200
Pondmaster 1800
- Customers desiring an external pump should use:
Sequence 750 Pump, 3600SEQ12
- A 25 watt Aqua Ultraviolet UV Sterilizer is recommended for use in hot climates



Dimensions	Max Flow Rate	Inlet Size	Outlet Size
33"L x 19½"W x 18"H	800 GPH	¾" Hose Barb	1½" FPT
USDA Zone	Zones 2-4 (Cool)	Zones 5-7 (Warm)	Zones 8-10 (Hot)
Max Pond Size	2,500 Gallons	2,000 Gallons	1,000 Gallons

Item Code	Description	UPC Code	Weight	Case Qty	MSRP
LSISB	Little Sister 2000 Filter	77868 00112	36 lbs.‡	-	\$359.00
FMLSB	Replacement Bio-Media for Little Sister	77868 00212	1 lbs.	5	\$26.99
FMLSP	Pre-Filter Media for Little Sister (old style)	77868 00213	2 lbs.	3	\$29.99
LSSB	Replacement Spraybar for Little Sister	-	2 lbs.	-	\$9.99
LSSP	Replacement Standpipe for Little Sister	-	2 lbs.	-	\$3.99
LSRD	Replacement Brush Rod for Little Sister	-	-	-	\$2.99
LSOR	Replacement O-ring for Little Sister Spraybar	-	-	-	\$1.00

Big Sister 3500™

A larger version of our popular Little Sister 2000 filter, the Big Sister 3500 is well suited for mid-sized koi ponds. With a larger spraybar and output, the Big Sister is able to handle the higher flow rates larger ponds demand. Constructed of rugged fiberglass, the Big Sister 3500 is built to last a lifetime.

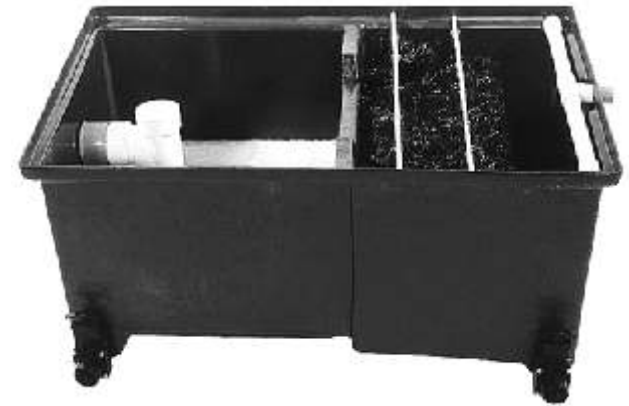
The Big Sister 3500's dual chamber design and standard drain valves make cleaning a snap. Each chamber can be cleaned individually in seconds by shaking the filter media and opening the drain valve. This simple process saves countless hours of cleaning time over a single season!

Features:

- Full Lid
- Dense brushes to trap debris
- Durable biological filter matting
- Includes easy open drain valves

Recommended Pumps/Accessories:

- Works great with the following submersible pumps:
Pondmaster 2400
Pondmaster WF4000
- Customers desiring an external pump should use:
Sequence 750 Pump, 3600SEQ12
- A 40 watt Aqua Ultraviolet UV Sterilizer is recommended for use in hot climates



Dimensions	Max Flow Rate	Inlet Size	Outlet Size
46½"L x 29½"W x 22"H	3,000 GPH	1" SLIP	3" SLIP
USDA Zone	Zones 2-4 (Cool)	Zones 5-7 (Warm)	Zones 8-10 (Hot)
Max Pond Size	6,000 Gallons	5,000 Gallons	4,000 Gallons



Item Code	Description	UPC Code	Weight	Case Qty	MSRP
BSIS	Big Sister 3500 Filter	77868 00116	85 lbs.	-	\$859.00
FMBS	Replacement Bio-Media for Big Sister	77868 00216	4 lbs.‡	6	\$64.99
BSSB	Replacement Spraybar for Big Sister	-	3 lbs.	-	\$17.99
BSSP	Replacement Standpipe for Big Sister	-	4 lbs.	-	\$12.99
BSRD	Replacement Brush Rods (2) for Big Sister	-	-	-	\$7.99
BSOR	Replacement O-ring Set for Big Sister	-	-	-	\$5.99

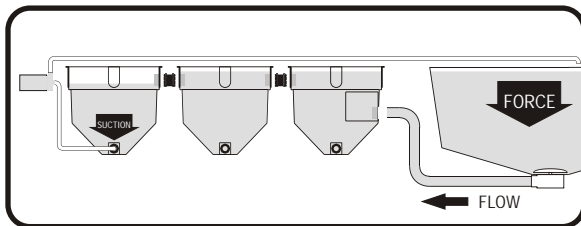
Cyclone Vortex Systems

When you demand clear water, healthy fish and a minimum of maintenance, there's only one choice: a Cyclone Vortex System from Patio Ponds. Based on tried and true technology, our Cyclone Vortex Systems make filtering large ponds easy. They're also quick to clean, allowing you more time to enjoy your pond.

Why a Vortex Filter Outperforms Others

Unlike pressurized filters, vortex filters rely on gravity and centripetal force to gently remove solids from the pond. Vortex systems operate passively, allowing solid material to be trapped without impeding flow or functionality. This allows for lower maintenance, clearer water and higher pump efficiency.

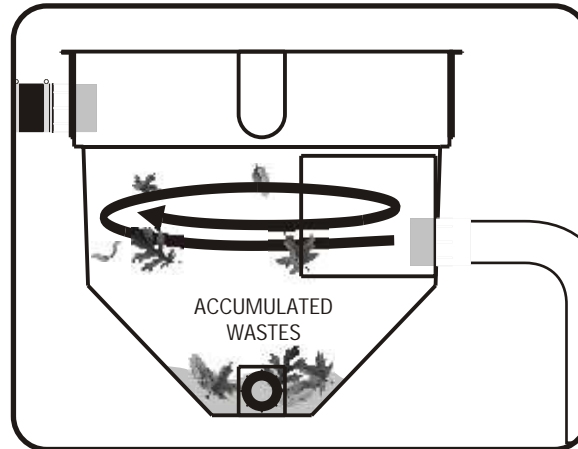
Vortex systems are normally installed as "gravity-fed" filters. This means the filters are situated at the same level as the pond with a large diameter pipe connecting the two. The pump is placed at the last stage of the filter system.



Since water will naturally seek its level, the water level in the filters remains constant with the

water level in the pond. As water is pumped out of the filter system and into the pond, the pond level increases while the filter water level decreases. This difference in static pressure forces the water to flow into the filter, bringing with it fish waste, plant waste and other debris.

Here, the unique design of the vortex filter system comes into play. Since the water first enters the filter without passing through the pump, larger solids can be removed easily. This is achieved by



allowing the water to enter at a tangent into the first chamber or "vortex". This creates a spinning motion that forces larger, denser solids to the sides of the filter which allows them to settle at the bottom of the filter. Even troublesome solids, such as leaves, can be removed easily in this manner.

Next, the water enters the second chamber, which is filled with dense brushes. These brushes

act as a very large strainer, removing the smaller, lighter solids the vortex chamber cannot. However, unlike some mechanical methods of filtration, brushes do not clog quickly and trapped debris can be quickly drained away by gently shaking the brushes. Now free from almost all debris, the water can proceed to the last stage of filtration.

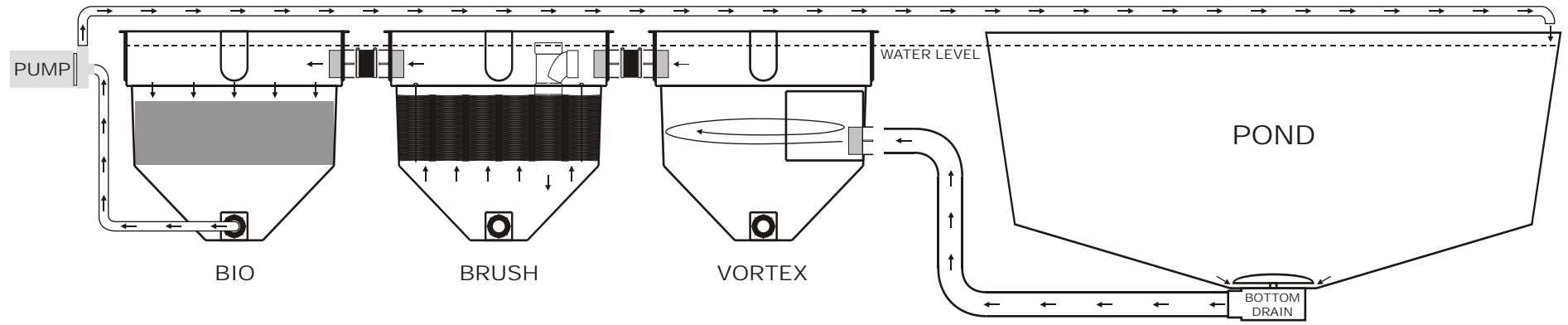
The water enters the final chamber free of troublesome solid wastes. Here, beneficial nitrifying bacteria are allowed to thrive, unencumbered by rotting plant and fish waste. This allows the relatively small biological portion of the vortex filter to perform more efficiently than any other design. The clear, processed water is then pumped back into the pond to start the process over again.

This three-stage filtration process is passive and allows the filter to operate even when neglected. In contrast, pressurized filters actively force water through a tightly-packed filter bed and clog easily. As the pressurized filter clogs, flow rates drop and biological filtration ceases as oxygen becomes less available to the filter. In a vortex filter, solid wastes simply accumulate at the bottom of the first chamber, where they do not impede flow or clog the biological portion of the filter. This is why the passive, multi-stage filtration of a vortex system provides the highest level of filtration for any pond.

Typical Cyclone Installations

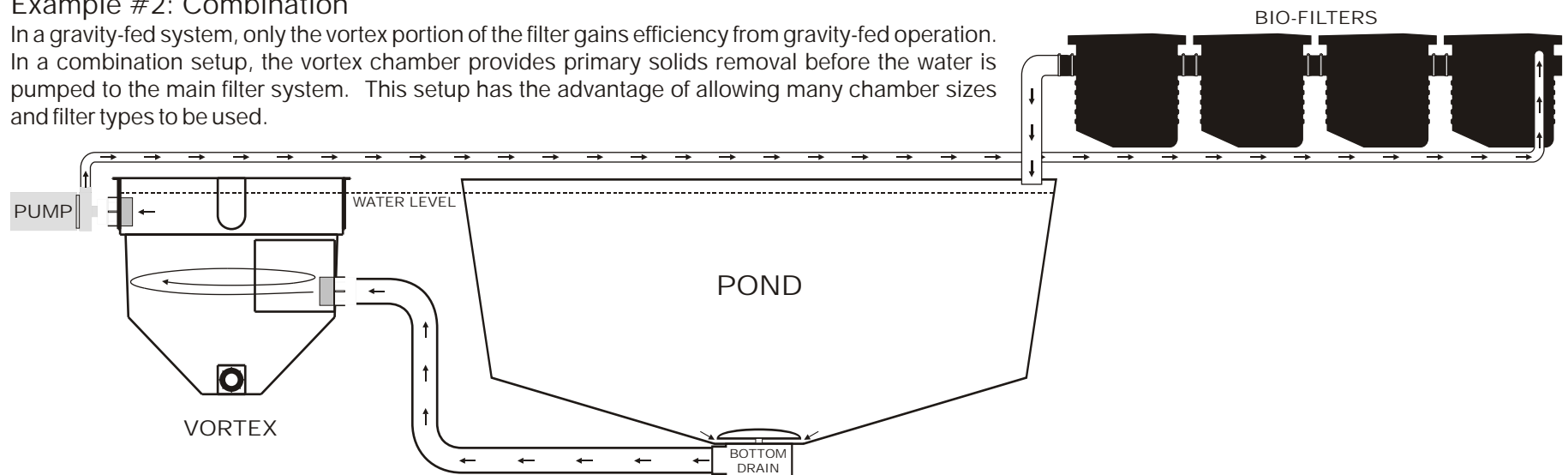
Example #1: Gravity Fed

A gravity-fed vortex system provides the greatest efficiency with the least amount of maintenance. The filters are situated so the water level inside the filters is at the same level as the pond. The pond is connected to the system from the bottom drain using large-diameter PVC pipe. As water is pumped out of the last chamber of the system, the level drops slightly and creates a level differential. The pond water, wanting to seek its natural level, rushes in to the filter system, bringing with it the wastes to be removed. Because the collected wastes are removed prior to the pump, the vortex portion of the filter system can remove large solids (leaves, feces, etc.) very easily. Additionally, the vortex section of the filter never clogs, reducing the need for maintenance.



Example #2: Combination

In a gravity-fed system, only the vortex portion of the filter gains efficiency from gravity-fed operation. In a combination setup, the vortex chamber provides primary solids removal before the water is pumped to the main filter system. This setup has the advantage of allowing many chamber sizes and filter types to be used.



Cyclone 5000 System™

Designed for mid-sized koi ponds, the Cyclone 5000 System provides excellent mechanical & biological filtration in an easy-to-clean system. As a bonus, the Cyclone 5000 System can be customized to fit your needs. Purchase it as a standard system and add the media of your choice, or buy just the filter bodies to build your own custom filter system. We can even modify the input and drain to face the way you need them. Whatever your choice is, you can't go wrong.

Unlike plastic cones, the Cyclone series of filters are constructed of heavy-duty fiberglass and will not warp or distort. Every system is made in the USA and features our exclusive Lifetime Filter Body Guarantee.

Features:

- Rigid fiberglass construction
- Full Lids
- Vortex settling chamber removes large debris before the biological chambers
- Optional second input for dual-drain applications
- Second chamber filled with dense brushes to trap finer debris
- Durable biological filter matting (additional media available)
- Inter-tank fittings included
- 1½" drains with easy open drain valves included



Dimensions	Max Flow Rate	Inlet Size	Pump Connection
126"L x 38"W x 38½"H	3,000 GPH	3" SLIP	1½" SLIP
USDA Zone	Zones 2-4 (Cool)	Zones 5-7 (Warm)	Zones 8-10 (Hot)
Max Pond Size	9,000 Gallons	8,000 Gallons	6,000 Gallons

Item Code	Description	Weight	Case Qty	MSRP
CYC2SYS	Cyclone 5000 Complete System	200 lbs. + 37 lbs.	-	\$1,799.00
CYC2DIY	Cyclone 5000 - No media. Bodies & interior plumbing only	200 lbs. + 15 lbs.	-	\$1,589.00
	Accessories & Upgrades:			
CYC2MAT	Upgrade bio-media to two Matala Cartridges	25 lbs. ‡	-	\$159.00
BB34G	Upgrade bio-media to 34 gallons of Bio-Balls	50 lbs.	-	\$149.00
CYC2IPT	Optional second 3" input for Cyclone 5000 System	2 lbs.	-	\$30.00
CYC2B	Additional Bio-Chamber for Cyclone 5000 System	60 lbs. + 10 lbs.	-	\$589.00
CYC2VLV	Upgrade drain valves to three cable-operated valves	7 lbs.	-	\$109.00
3200SEQ21	Sequence 1000 Pump - 1/8 HP - 2,900 GPH	28 lbs.	-	\$434.00
A00080	Aqua Ultraviolet 80 watt UV Sterilizer	28 lbs. †	-	\$700.00
509025	Automatic waste removal system for at-grade installations	70 lbs.	-	\$549.00

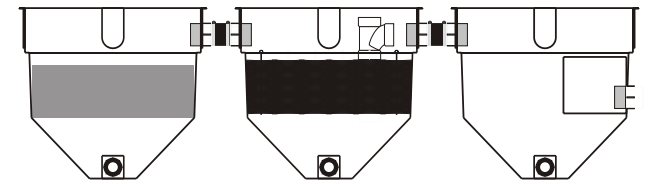
Cyclone 7500 System™

Our most popular Vortex system, the Cyclone 7500 filters large koi ponds with ease. When run in parallel, the Cyclone 7500 System can filter almost any size pond! Even better, the Cyclone 7500 System is easy customized to fit your needs. Purchase it as a standard system and add the media of your choice, or buy just the filter bodies to build your own custom filter system. We can even modify the input and drain to face the way you need them. Whatever your choice is, you can't go wrong.

Unlike plastic cones, the Cyclone series of filters are constructed of heavy-duty fiberglass and will not warp or distort. Every system is made in the USA and features our exclusive Lifetime Filter Body Guarantee.

Features:

- Rigid fiberglass construction
- Full Lids
- Vortex settling chamber removes large debris before the biological chambers
- Optional second input for dual-drain applications
- Second chamber filled with dense brushes to trap finer debris
- Durable biological filter matting (additional media available)
- Inter-tank fittings included
- 2" drains with easy open drain valves included



Dimensions	Max Flow Rate	Inlet Size	Pump Connection
132"L x 43¼"W x 39"H	4,000 GPH	4" SLIP	2" SLIP
USDA Zone	Zones 2-4 (Cool)	Zones 5-7 (Warm)	Zones 8-10 (Hot)
Max Pond Size	12,000 Gallons	10,000 Gallons	8,000 Gallons



Item Code	Description	Weight	Case Qty	MSRP
CYC1SYS	Cyclone 7500 Complete System	250 lbs. + 45 lbs.	-	\$2,399.00
CYC1DIY	Cyclone 7500 - No media. Bodies & interior plumbing only	250 lbs. + 25 lbs.	-	\$2,099.00
	Accessories & Upgrades:			
CYC1MAT	Upgrade bio-media to two Matala Cartridges	36 lbs. ‡	-	\$279.00
BB34G	Upgrade bio-media to 34 gallons of Bio-Balls	50 lbs.	-	\$149.00
CYC1IPT	Optional second 4" input for Cyclone 7500 System	2 lbs.	-	\$40.00
CYC1B	Additional Bio-Chamber for Cyclone 7500 system	80 lbs. + 10 lbs.	-	\$829.00
CYC1VLV	Upgrade drain valves to three cable-operated valves	8 lbs.	-	\$129.00
5000SEQ22	Sequence 1000 Pump - 1/4 HP - 4,600 GPH	36 lbs.	-	\$479.00
A00120	Aqua Ultraviolet 120 watt UV Sterilizer	56 lbs.	-	\$990.00
509025	Automatic waste removal system for at-grade installations	70 lbs.	-	\$549.00

Cyclone Settling Chambers™

Stand-alone vortex settling chambers are the perfect compliment to any koi pond. Any filter system will benefit from the solids-removal provided by a Cyclone Settling Chamber. Cyclone Settling chambers are constructed of heavy-duty fiberglass and will not warp or distort. Each is made in the USA and features our exclusive Lifetime Filter Body Guarantee.

Features:

- Rigid fiberglass construction
- Full Lids (not available on Twister and Hurricane models)
- Removes large debris before the biological chambers
- Optional additional inputs for multi-drain operation
- Free-stands on a concrete base
- Easy open drain valves included



Cyclone II Settling Chamber

Dimensions	Min Flow Rate	Max Flow Rate	Inlet/Outlet Size	Drain Size
38" Dia x 38½"H	2,000 GPH	3,000 GPH	3"	1½"

Item Code	Description	Weight	MSRP
CYC2S	Cyclone II Settling Chamber	55 lbs.	\$489.00
CYC2IPT	Optional second 3" input for Cyclone II	2 lbs.	\$30.00
6101C	Optional cable-operated drain valve	2 lbs.	\$49.90
3200SEQ21	Sequence 1000 Pump - 1/8 HP - 2,900 GPH	28 lbs.	\$434.00



Cyclone I Settling Chamber

Dimensions	Min Flow Rate	Max Flow Rate	Inlet/Outlet Size	Drain Size
43¼" Dia x 39"H	3,000 GPH	4,000 GPH	4"	2"

Item Code	Description	Weight	MSRP
CYC1S	Cyclone I Settling Chamber	75 lbs.	\$769.00
CYC1IPT	Optional second 4" input for Cyclone I	2 lbs.	\$40.00
6201C	Optional cable-operated drain valve	3 lbs.	\$57.00
5000SEQ22	Sequence 1000 Pump - 1/4 HP - 4,600 GPH	36 lbs.	\$479.00

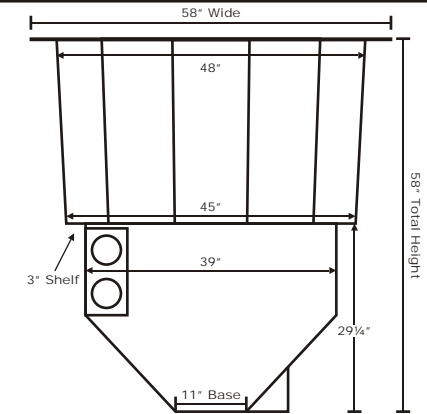


Twister & Hurricane™

Twister Settling Chamber (features 12-sided top for multiple outputs)

Dimensions	Min Flow Rate	Max Flow Rate	Inlet/Outlet Size	Drain Size
58" Dia x 58"H	4,000 GPH	5,000 GPH	4"	3"

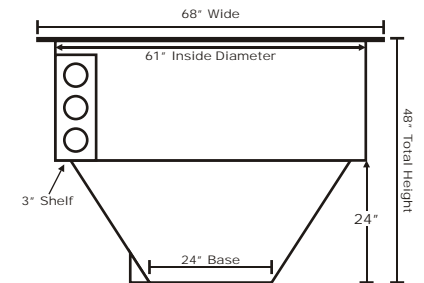
Item Code	Description	Weight	MSRP
TWST	Twister Settling Chamber	210 lbs.	\$1,159.00
TWSTIPT	Optional second 4" input for Twister	2 lbs.	\$40.00
TWSTOPT	Additional 4" output for Twister	2 lbs.	\$40.00
6301C	Optional cable-operated drain valve	5 lbs.	\$63.63



Hurricane Settling Chamber

Dimensions	Min Flow Rate	Max Flow Rate	Inlet/Outlet Size	Drain Size
68" Dia x 48"H	4,000 GPH	6,000 GPH	4"	4"

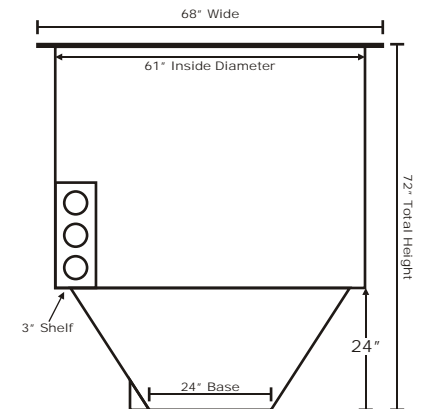
Item Code	Description	Weight	MSRP
HRC	Hurricane Settling Chamber	250 lbs. + 12 lbs.	\$1,399.00
HRCIPT	Optional second 4" input for Hurricane	2 lbs.	\$40.00
HRCIPT	Optional third 4" input for Hurricane	2 lbs.	\$40.00



Hurricane 2 Settling Chamber

Dimensions	Min Flow Rate	Max Flow Rate	Inlet/Outlet Size	Drain Size
68" Dia x 72"H	4,000 GPH	9,000 GPH	4"	4"

Item Code	Description	Weight	MSRP
HRC2	Hurricane 2 Settling Chamber	300 lbs. + 12 lbs.	\$2,099.00
HRCIPT	Optional second 4" input for Hurricane 2	2 lbs.	\$40.00
HRCIPT	Optional third 4" input for Hurricane 2	2 lbs.	\$40.00



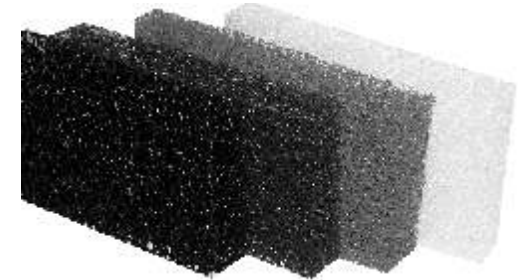
Filter Media

Matala™

Rigid and extremely durable, Matala is the most versatile filter media available today. Matala is perfect for use in biological filters, settling tanks and pump pre-filters. Simply cut Matala to size with a standard serrated kitchen knife and place into your existing filter. Matala is offered in four densities: Black (super-coarse), Green (coarse), Blue (fine) and White (super-fine). Matala is a trademark of BHBA Technology, Inc.



Item Code	Description	Case Qty	Case Weight	MSRP Ea.
MTGR	Green Matala 39x47" Sheet	5	40 lbs.	\$57.00
MTBL	Blue Matala 39x47" Sheet	5	40 lbs.	\$59.00
MTBK	Black Matala 39x47" Sheet	4	40 lbs.	\$60.00
MTWT	White Matala 39x47" Sheet	5	40 lbs.	\$64.00
CYC2MAT	Cyclone 5000 Matala Cartridges	-	25 lbs.	\$209.00
CYC2MAT	Cyclone 7500 Matala Cartridges	-	36 lbs.	\$349.00



Black Magic Filter Brushes™

The finest filter brushes available today, Black Magic brushes feature a stainless steel core and unparalleled density. They are perfect for a variety of applications, including mechanical and biological filtration. Black Magic Brushes are easily cleaned by shaking. Made in the USA.

Item Code	Description	Case Qty	Case Weight	MSRP Ea.
SFP14	4x12" Black Magic Brush (14 3/8" Overall)	32	8 lbs.	\$5.99
SFP18	4x16" Black Magic Brush (18" Overall)	60	15 lbs.†	\$6.99
SFP24	4x22" Black Magic Brush (25" Overall)	42	15 lbs.†	\$10.99
SFP814	7½x12" Black Magic Brush (14½" Overall)	12	7 lbs.	\$14.99



Bio-Balls

Bio-Balls are floating plastic balls that offer high surface area for biological filtration. They can be easily added to any filter when additional filtration is needed.

Item Code	Description	Case Qty	Weight	MSRP
BB34G	Bio Balls, 34 Gallon Case	-	50 lbs.	\$199.00



Other Replacement Media

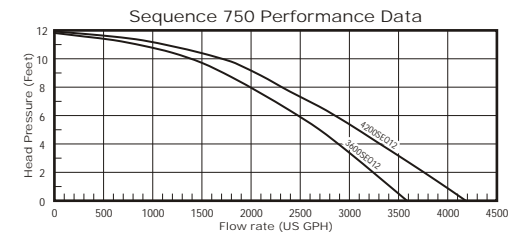
Item Code	Description	Case Qty	Weight	MSRP
FMC2B	Cyclone 5000 Bio Media (2 pcs)	-	8 lbs.†	\$89.00
FMC1B	Cyclone 7500 Bio Media (2 pcs)	-	12 lbs.†	\$119.00
FMPPB	Bio-Pro, PPWF & PPBF Media (2 pcs)	-	6 lbs.†	\$109.00



Pumps

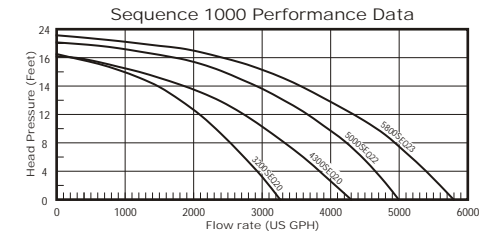
Sequence 750

These extremely durable pumps combine high efficiency, enclosed impellers and dry-run resistant seals with the latest in motor technology. Sequence 750 pumps feature Baldor motors with an enclosed, fan-cooled body constructed of aluminum alloy. Stainless steel hardware and an 8-foot cord with a 115V molded plug are standard. Sequence 750 pumps can be wired for 115V or 230V operation and are backed by Multi-Duti's 3 year warranty.



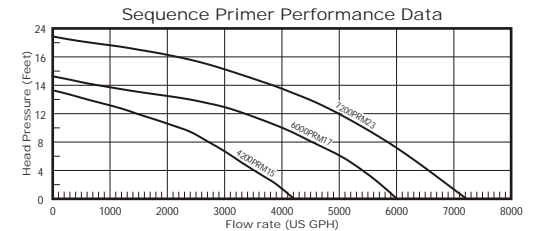
Sequence 1000

The reference standard for ultra-efficient pond pumps, the Sequence 1000 continues to raise the bar with high efficiency impellers, dry-run resistant seals and cutting-edge Baldor industrial motors. All Sequence 1000 pumps include stainless hardware and an 8-foot cord with a 115V molded plug. Sequence 1000 pumps can be wired for 115V or 230V operation and are backed by Multi-Duti's 3 year warranty.



Sequence Primer

For larger systems, the Sequence Primer integrates an oversized basket strainer and self-priming capability in one unit. The high efficiency enclosed impellers ensure low cost, high flow performance for years to come. All Sequence Primer pumps come standard with Baldor motors, 8 foot cords with a 115V molded plug and stainless hardware. Sequence Primer pumps can be wired for 115V or 230V operation and are backed by Multi-Duti's 3 year warranty.



Item Code	Description	Flow (GPH)	Shut-Off	Max. Draw	Cs Qty	MSRP
3600SEQ12	Sequence 750 Pump	600-3,200	12'	160W	4	\$274.00
4200SEQ12	Sequence 750 Pump	600-3,800	12'	180W	4	\$289.00
3200SEQ21	Sequence 1000 Pump	1,200-2,900	20'	213W	-	\$434.00
4300SEQ19	Sequence 1000 Pump	1,200-3,800	20'	253W	-	\$464.00
5000SEQ22	Sequence 1000 Pump	1,200-4,600	22'	333W	-	\$479.00
5800SEQ23	Sequence 1000 Pump	1,200-5,400	23'	396W	-	\$499.00
4200PRM15	Sequence Primer Pump	1,500-3,500	15'	242W	-	\$599.00
6000PRM17	Sequence Primer Pump	1,500-5,400	17'	376W	-	\$619.00
7200PRM23	Sequence Primer Pump	1,500-6,600	22'	539W	-	\$639.00
Item Code	Description	Weight	Case Qty	MSRP Ea.		
1000.771-1	90 Cubic Inch Basket Strainer - 1½"	5 lbs.	4	\$59.00		
1000.771-7	90 Cubic Inch Basket Strainer - 2"	5 lbs.	4	\$59.00		
24157744	500 Cubic Inch Basket Strainer - 1½" or 2"	16 lbs.	-	\$199.00		



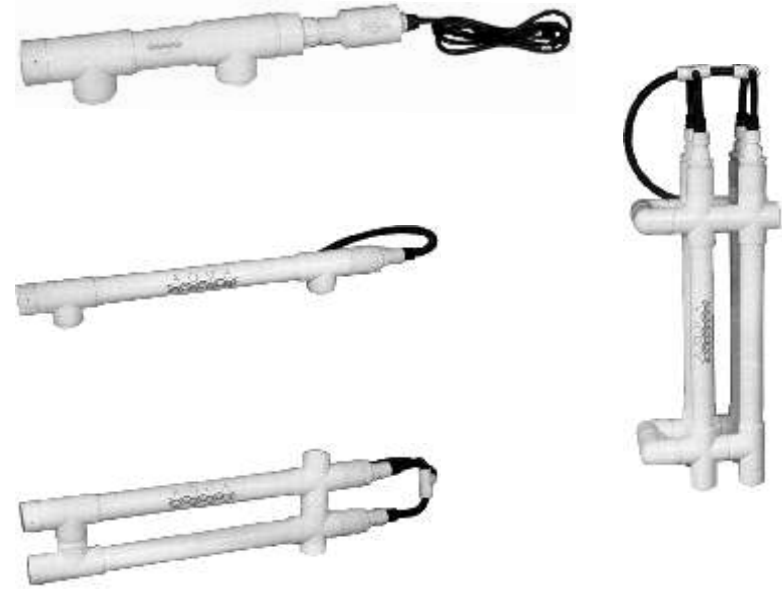
Ultraviolet Sterilizers

Aqua Ultraviolet UV Sterilizers

Ultraviolet sterilization is a proven, dependable and effective method for controlling and eradicating algae spores, bacteria and protozoa present in the water source. Ultraviolet waves alter or disrupt the DNA and RNA of target organisms. By properly implementing a UV sterilizer in-line, the targeted organisms can be eradicated effectively without any harmful residuals.

Aqua Ultraviolet's UV sterilizers are the best made units available today. They feature the highest quality hard quartz sleeves, high output slimline lamps and UV resistant housings. All UV housings are covered by Aqua Ultraviolet's limited lifetime warranty.

When sizing a ultraviolet sterilizer, use the lower flow rate and pond size for control of bacteria, algae and protozoans. The higher flow rates and pond sizes are for the control of algae and water clarity only. When in doubt, use a larger sterilizer to ensure effectiveness.



Item Code	Description	Flow (GPH)	Pond Size (Gal.)	Weight	MSRP
A00008	8 watt UV Sterilizer - 3/4" FPT	650-1,000	200-1,500	4 lbs.	\$198.00
A00015	15 watt UV Sterilizer - 3/4" FPT	700-1,800	500-2,000	5 lbs.	\$216.00
A00025	25 watt UV Sterilizer - 2" SLIP	1,200-2,000	1,200-4,000	5 lbs.	\$280.00
A00040	40 watt UV Sterilizer - 2" SLIP	2,500-3,000	2,000-6,000	7 lbs.	\$400.00
A00080	80 watt UV Sterilizer - 2" SLIP	3,600-4,500	2,200-8,000	15 lbs.†	\$700.00
A00120	120 watt UV Sterilizer - 2" SLIP	4,400-6,500	4,000-12,000	29 lbs.	\$990.00
A00160	160 watt UV Sterilizer - 2" SLIP	5,400-9,000	6,000-16,000	56 lbs.	\$1,328.00
A00240	240 watt UV Sterilizer - 2" SLIP	7,200-12,000	13,000-25,000	85 lbs.	\$2,010.00
A00194	SL100 watt UV Sterilizer - 3" SLIP	6,600-10,000	8,500-20,000	64 lbs.	\$1,344.00
AS90201	SL200 watt UV Sterilizer - 3" SLIP	9,200-15,000	17,000-30,000	64 lbs.	\$2,570.00
AS90401	SL400 watt UV Sterilizer - 3" SLIP	15,000-20,000	22,000-45,000	105 lbs.*	\$4,820.00

Call for info and pricing on wiper units, stainless UV & larger UV Sterilizers. *Ships motor freight only.

Replacement Lamps

Item Code	Description	Weight	Case Qty	MSRP
A20008	Aqua UV 8 watt lamp	1 lb.	6	\$54.00
A20015	Aqua UV 15 watt lamp	1 lb.	6	\$56.00
A20025	Aqua UV 25 watt lamp	1 lb.	6	\$58.00
A20040	Aqua UV 40 watt lamp	1 lb.	6	\$64.00
A20100	Aqua UV 40 watt lamp	7 lbs.†	-	\$350.00
A20200	Aqua UV SL200 - 200 watt lamp (for SL200 & SL400)	7 lbs.†	-	\$700.00

Replacement Quartz Sleeves

Item Code	Description	Weight	Case Qty	MSRP
A10008	Aqua UV 8 watt quartz sleeve	1 lb.	6	\$54.00
A10015	Aqua UV 15 watt quartz sleeve	1 lb.	6	\$54.00
A10025	Aqua UV 25 watt quartz sleeve	1 lb.	6	\$56.00
A10040	Aqua UV 40+ watt quartz sleeve	1 lb.	6	\$80.00
A10100	Aqua UV SL100 quartz sleeve	7 lbs.†	-	\$104.00
A10200	Aqua UV SL200 quartz sleeve (for SL200 & SL400)	7 lbs.†	-	\$160.00

Replacement Transformers

Item Code	Description	Weight	Case Qty	MSRP
A30008	Aqua UV 8 watt transformer	2 lbs.	4	\$74.00
A30015	Aqua UV 15 watt transformer	4 lbs.	4	\$76.00
A30025	Aqua UV 25 watt transformer	4 lbs.	4	\$80.00
A30040	Aqua UV 40 watt transformer	4 lbs.	4	\$110.00
A30042	Aqua UV 40 watt RAW transformer	13 lbs.	-	\$74.00
A30080	Aqua UV 80 watt NEMA transformer	13 lbs.	-	\$164.00
A30082	Aqua UV 80 watt RAW transformer	9 lbs.	-	\$80.00
A30120	Aqua UV 120 watt NEMA transformer	26 lbs.	-	\$350.00
A30160	Aqua UV 160 watt NEMA transformer	26 lbs.	-	\$390.00
A30240	Aqua UV 240 watt NEMA transformer	43 lbs.	-	\$470.00
A30102	Aqua UV SL100 RAW transformer	5 lbs.	-	\$190.00
AS39202	Aqua UV SL200 RAW transformer	12 lbs.	-	\$260.00
AS39401	Aqua UV SL400 NEMA transformer	66 lbs.	-	\$1,060.00

Other Replacement Parts

Item Code	Description	Weight	Case Qty	MSRP
A40000	Quartz cap, white	-	-	\$7.00
A40012	E-Z twist cap, white	-	-	\$15.00
A40004	Rubber quartz seal	-	-	\$2.50
A40014	O-ring for E-Z twist cap	-	-	\$3.50