

WARNING

Buyer/User assumes all responsibility for safety and proper use not in accordance with the directions and safety labels.



PRESSURE POND FILTER



ViaAqua®

FEATURES

PRESSURE POND FILTER

- Easy to install and maintain
- Complete filtering system
- Terminator™ UVC Sterilizer (optional) for crystal clear water
- Multiple types of bio foam filtering media for beneficial aerobic bacteria
- Reverse flow filtration
- Backwash for cleaning
- Long lasting ceramic biological media
- Quad-action filtration for maximum efficiency

TERMINATOR™ UVC STERILIZER

- Safety switch built into UV cap
- Water resistant ballast
- E-39 connections
- PL compact UVC bulb
- Indicator light



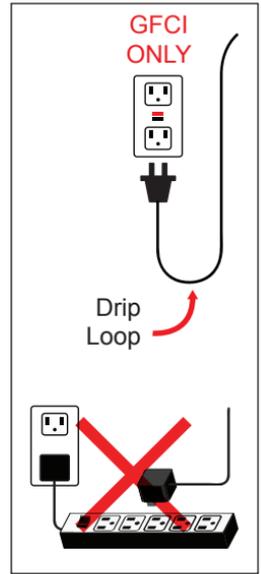
The ViaAqua® Terminator™ UVC Sterilizer is equipped with a PL UV bulb with a protected quartz sleeve that maintains the bulb temperature, thus allowing 95% of the UV radiation to clarify the water, helping to eliminate single celled free floating algae. Water resistant ballast with E-39 wire connections and over 15 feet of wire allows the ballast to be remotely mounted close to a GFCI electrical outlet.

WARNING

- » This product may contain chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm. Wash you hand after handling the product.
- » It is your sole responsibility to verify that the plug and receptacle are clean/free of moisture and salt build up at all times. The receptacle must be free of water, salt, calcium, and magnesium. Failure to do so may cause fire and/or loss of life.
- » Do not plug into an extension cord or power strip.
- » A drip loop must be used when plug into any electrical devices. A drip loop is part of the cord hanging below the receptacle.
- » The national code requires all aquarium equipment to be plugged into a G.F.C.I. (Ground Fault Circuit Interrupter) electrical outlet. If you do not have a G.F.C.I., have an electrician install one prior to operating any aquarium components.

WARNING AND SAFEGUARD

- Read and follow all instructions before using the ViaAqua® Pressure Pond Filter to ensure proper use and application.
- Use this product for its intended use only.
- Do not operate the ViaAqua® Pressure Pond Filter without water.
- You must verify that the receptacle is clean and free of water and moisture. Failure to do so may cause electrical arcing resulting in fire or electrical shock.
- Prior to maintenance on any electrical appliance or pond, you must disconnect all electrical aquarium devices.
- Routine maintenance is required to ensure the maximum performance and the longevity of the ViaAqua® Pressure Pond Filter. (See maintenance guidelines.)
- Never yank or pull the cord from the electrical outlet.
- Do not operate if the plug or wire is damaged.
- Verify that hands are dry prior to disconnecting the power.
- To reduce the risk of electrocution, keep all connections dry.
- Do not open the Pressure Pond Filter when the pump and filter are operating.
- Do not use any soaps or detergents to clean any part of the filter.
- If the product falls into the water do not reach for it, unplug the unit first then retrieve the unit from the water. If any of the electrical components get wet unplug immediately .



WARNING FOR UNIT WITH TERMINATOR™ UVC STERILIZER

- The UV lamp produces harmful ultraviolet radiation. Do not look directly at the UVC bulb when lit. Exposure to ultraviolet light can damage eyes and skin.
- Do not plug the UVC sterilizer into an extension cord.
- Always disconnect the power supply before opening the unit for service. Failure to do so will expose the user to harmful UV radiation.
- Although the ballast is water resistant, do not place the ballast in an area where it can come into contact with water.

WATER CIRCULATION:

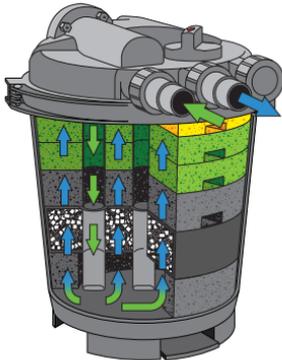
Regular Model (without UVC)

First, pre-filter the water. Then, water enters the biological chamber that has long lasting ceramic media designed to create high amounts of surface area for beneficial bacteria to cultivate and breakdown organics. Multiple types of bio foam mechanically and biologically aid in the removal and biological breakdown of organics. Each level of the bio foam filtration features a built-in bypass route that will redirect water if the bio foam becomes clogged.

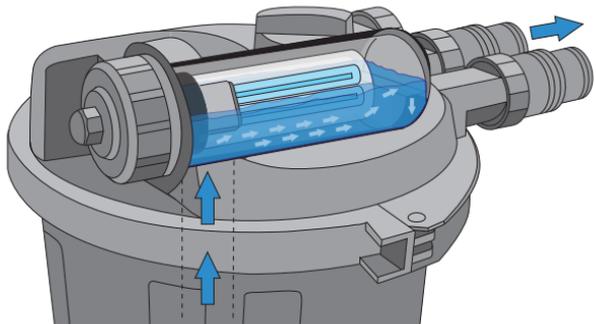
Model with Terminator™ UVC Sterilizer

Designed for maximum efficiency. Water enters the Terminator™ UVC Sterilizer for permanent control of single celled algae. The efficient reverse flow quad-action filtration system filters the water biologically and mechanically. The water is first pre-filtered. Then, water enters the biological chamber that has long lasting ceramic media designed to create high amounts of surface area for beneficial bacteria to cultivate and breakdown organics. Multiple types of bio foam mechanically and biologically aid in the removal and biological breakdown of organics. Each level of the bio foam filtration features a built-in bypass route that will redirect water if the bio foam becomes clogged.

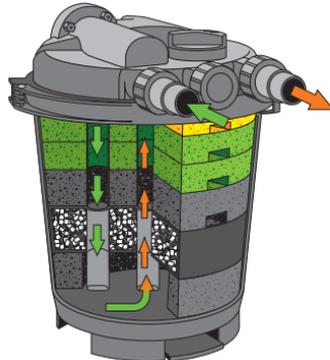
BACKWASH:



EF-4000 / EF-4000 UVC



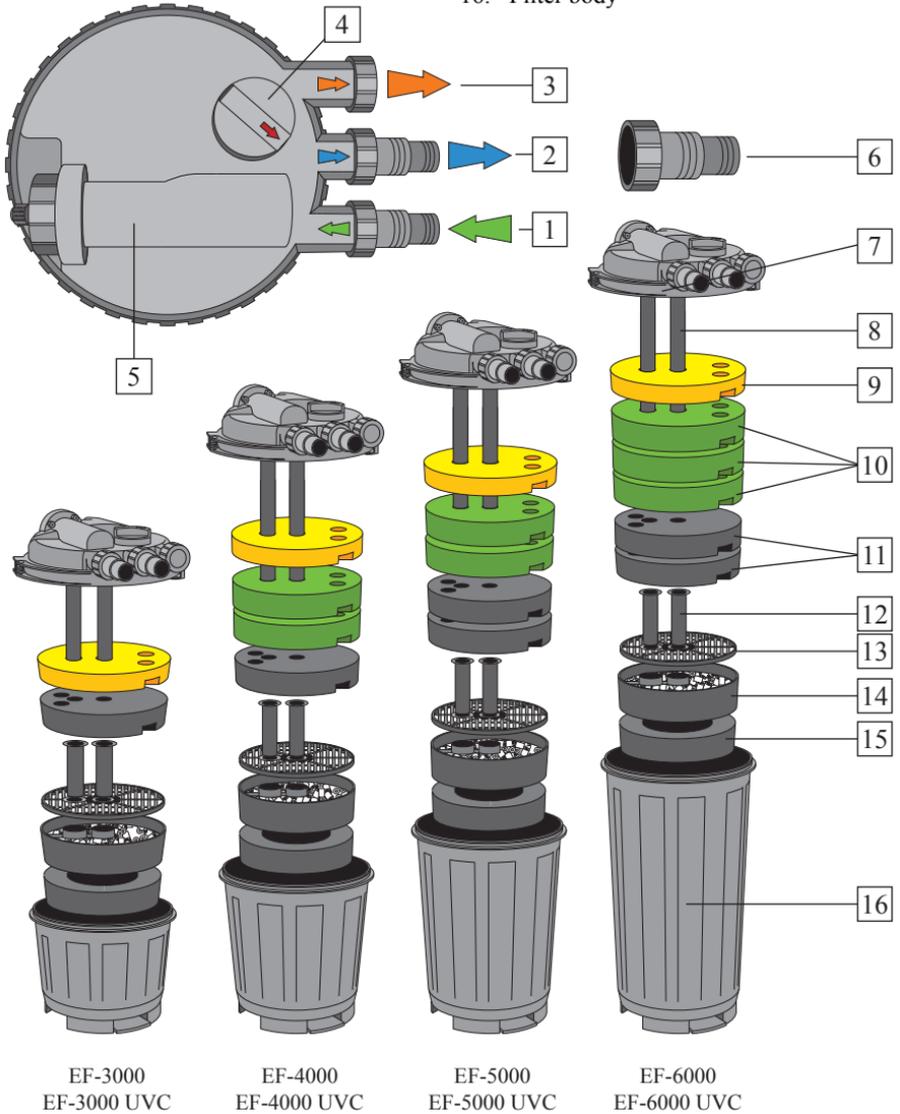
EF-4000 UVC



The integrated backwash system is built into the top of the filter. The user friendly design makes activation of the backwash as simple as turning the dial. Once the dial is turned, the water flow will reverse, removing the majority of built-up sediment and debris. This feature can be used to do water changes on ponds, making routine pond maintenance simple and easy.

PART LIST:

1. Intake
2. Output
3. Backwash/sludge removal
4. Backwash knob
5. Terminator™ UVC Sterilizer (Optional. See detail on page 11)
6. Barbed fitting
7. Lid retainer clamp
8. Intake & Output tube
9. Fine bio foam
10. Medium bio foam
11. Coarse bio foam
12. Intake & output flares
13. Ceramic bio strainer lid
14. Ceramic bio chamber with media
15. Coarse prefilter
16. Filter body



EF-3000
EF-3000 UVC

EF-4000
EF-4000 UVC

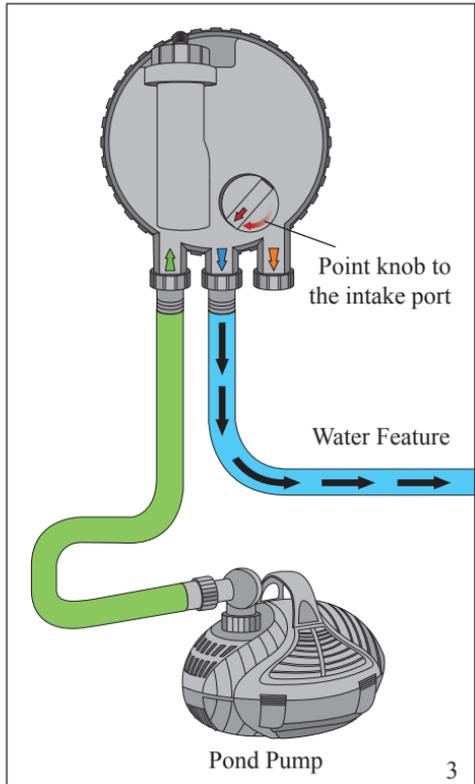
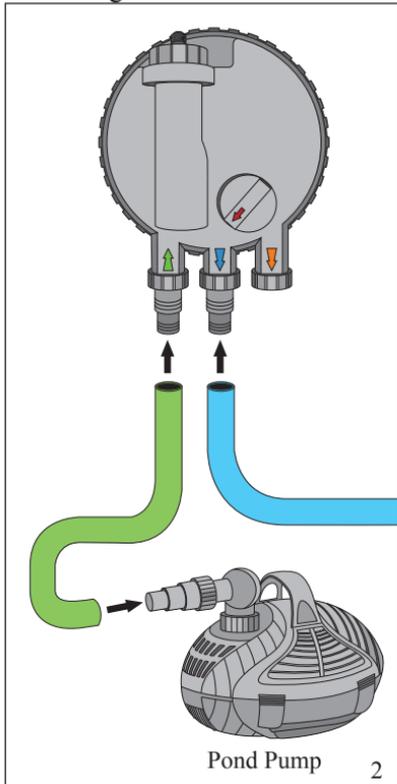
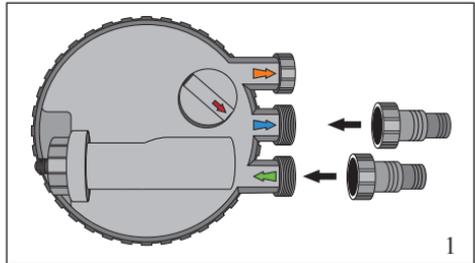
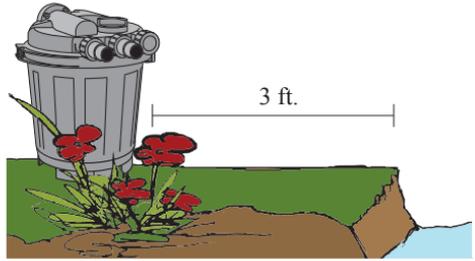
EF-5000
EF-5000 UVC

EF-6000
EF-6000 UVC

PRE-INSTALLATION SETUP

LOCATION FOR THE POND FILTER

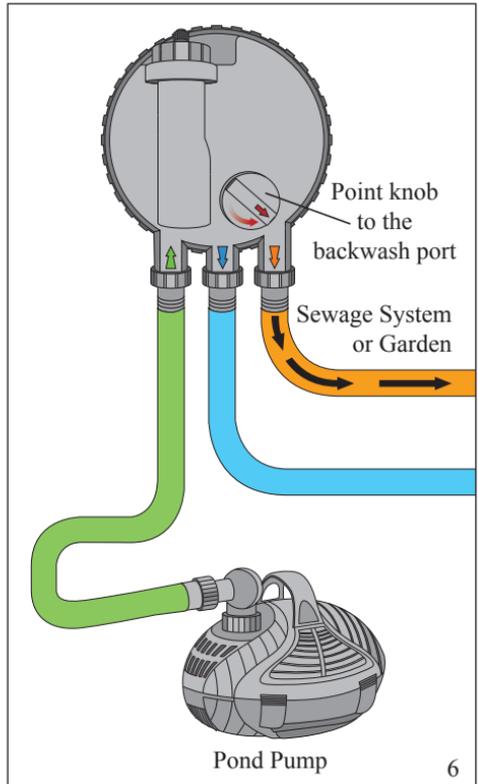
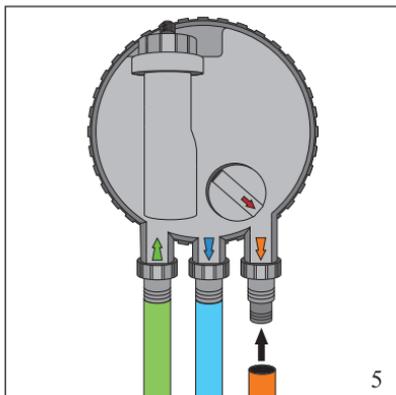
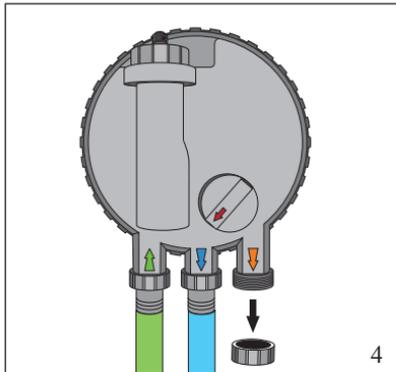
- Place the pressure pond filter level on a firm base.
- The location needs to be free from flooding and well ventilated.
- Protect the filter from direct sunlight and moisture.
- Do not encapsulate filter.
- Place the filter a minimum of 3 ft. from the ponds edge.
- Verify that the location has easy access to the lid for removal during maintenance and backwashing of the filter.
- Position the filter so that the tubing will not kink.



CONNECTION

Requires either 1.25" ID or 1.5" ID tubing. It is important to choose the largest diameter ID tubing possible. Tubing and hose clamps are not included.

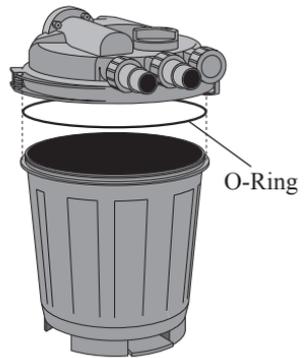
1. Connect the barbed fitting to the filter's intake and output.
2. Connect Tubing to the Pressure Pond Filter:
 - Inlet: Connect tubing from the ViaAqua® pond pump to the barbed intake of the filter. Then secure with a hose clamp.
 - Outlet: Connect tubing from the filter back to the pump or water features. For maximum circulation, place the output and water pump as far a part as possible. It is not recommended to place them next to one another.
3. Turn the flow control knob pointing to the intake port.
4. Drain: Remove cap.
5. Connect barbed fitting with a piece of tubing secure with a hose clamp.
6. To activate backwash turn off the pond pump and swith the flow control knob so that the arrow points to the backwash/drain discharge port. Turn the pond pump back on. Drain the water into a sewage system or garden.



INSTALLATION SETUP

PRE-OPERATION PRECAUTION

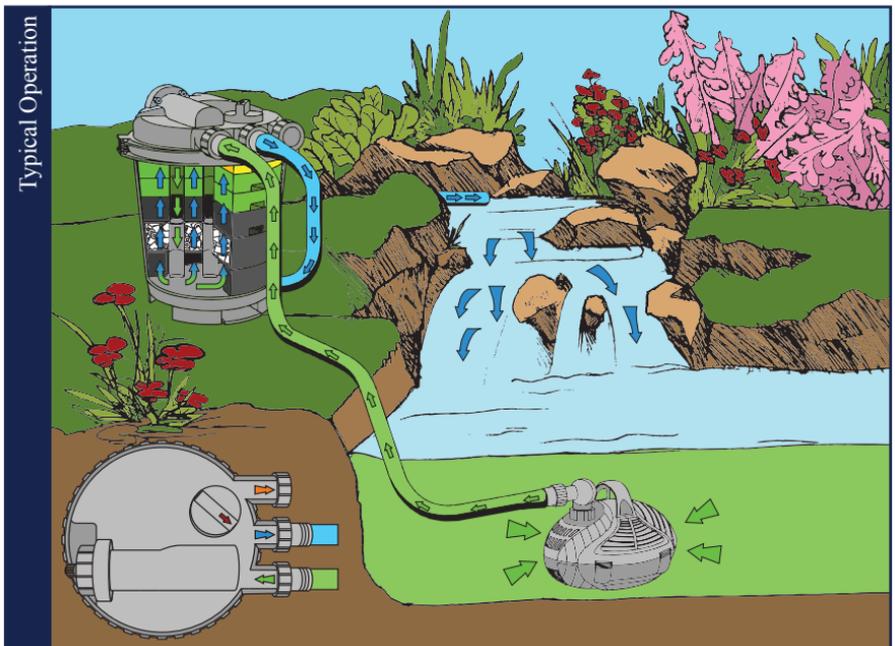
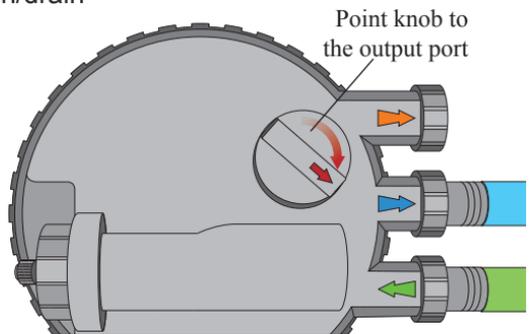
- Verify that the O-ring is properly installed.
- Double check that all tubing is secured with a hose clamp. Make sure there are no kinks in the tubing.
- If using a unit with a UVC sterilizer, install the PL compact UVC bulb according to the directions.
- Ensure the lid is secured properly.
- Ensure the flow control knob arrow is pointing toward the output port.
- Place the cap of the ackwash/drain discharge port back on.



TYPICAL OPERATION

For proper filtration, operate the pressure pond filter 24 hours a day, year round.

1. Start the ViaAqua® pond pump.
2. Verify that all seals and connections are not leaking.



Typical Operation

3. UVC unit:

- * Plug the UVC sterilizer ballast into a GFCI outlet only.
- * Blue indicator light is on when the UVC unit is working.

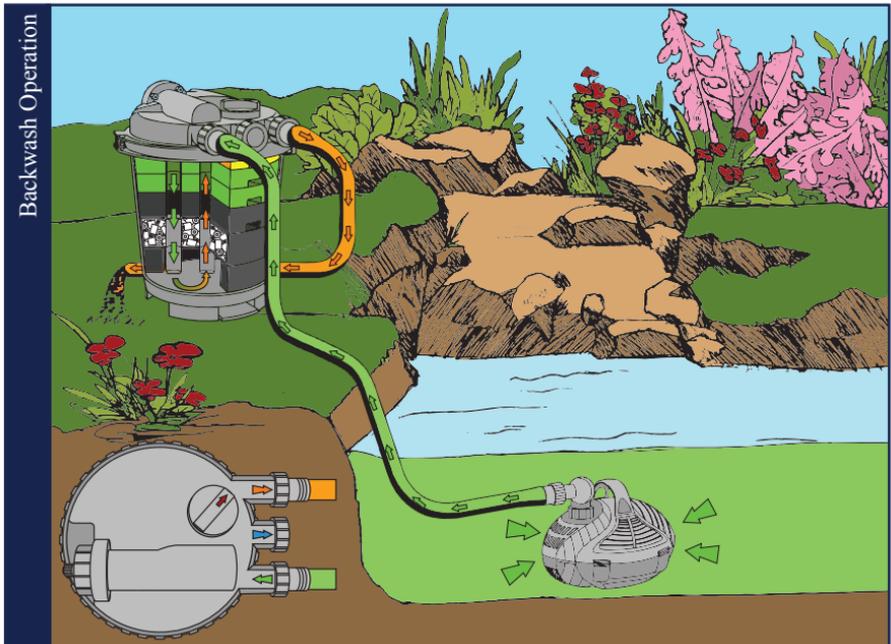
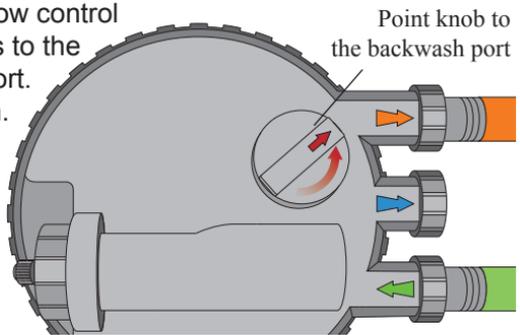
BACKWASH OPERATION

Backwashing filter should be performed at least once a week. A filter installed on an exiting pond will require more frequent cleaning.

The filter needs to be cleaned when: - Dirty/cloudy water is in the filter.
- Reduced water flow.

1. Remove the cap from the backwash/drain port.
2. Connect a barbed fitting with a piece of tubing and secure with a hose clamp.
3. To activate backwash, turn off the pond pump and switch the flow control knob so that the arrow points to the backwash/drain discharge port.
4. Turn the pond pump back on.
5. Drain the water into a sewage system or garden.

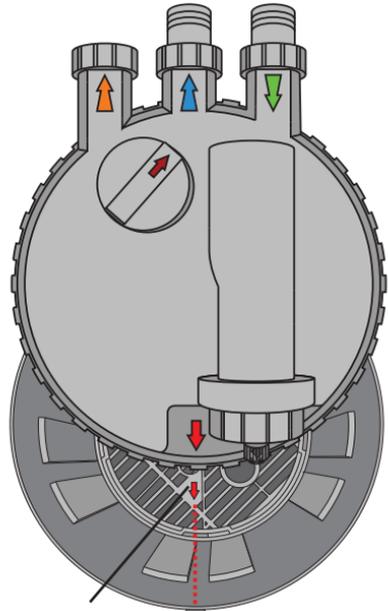
Note: The cleaning system is using pond water. Refill the pond with dechlorinated water.



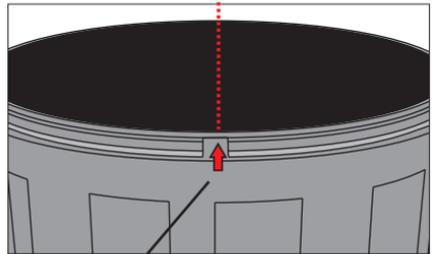
ASSEMBLY OF THE MEDIA AND FILTER BODY

Follow these guidelines in order to reassemble the unit when the filtering media and/or lid is removed for maintenance.

1. Insert the coarse prefilter at the bottom of the filter body.
2. Verify that the ceramic bio chamber lid is locked into place by rotating clockwise so that the intake and output holes are completely open (see diagram 2).
3. Using the arrow on the ceramic chamber strainer lid, align the arrow with tab/key on the brim of the filter body and insert the ceramic bio chamber into the grooves of the filter body.
4. All filtering foam and intake/output flares must be installed properly as indicated in the part list on page # 3.
5. Verify the O-ring is properly installed and clean.
6. Align the arrow on the filter lid with the tab/key on the brim of the filter body (see diagram 1).
7. Now without any angles, insert the intake/output flares directly into intake/output holes in the ceramic bio chamber.
8. Install the lid retainer clamp verifying that the three notches on the top of the clamp are facing up. Align the notches with the discharge ports.
9. Secure the clasp.



Strainer lid arrow



Tab/key on the filter body

Diagram 1: To reassembly the unit back, the arrow on the filter lid must align with the tab/key on the brim of the filter body.

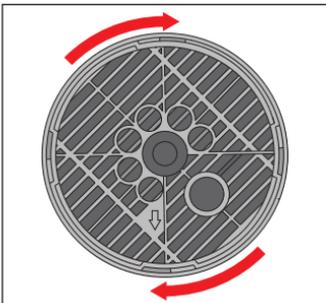


Diagram 2: Turn clockwise the strainer lid to secure the ceramic bio chamber.

SPECIFICATIONS OF THE PRESSURE POND FILTER

Model	Recommended Pump Size	UVC watt	ID Pipe Size Required	Filtering Capacity	Filter Height	UPC # 0069037
EF-3000	700-1300 GPH	-	1.25 in or 1.5 in	15.5 L	14.25 in.	29529
EF-3000 UVC		5				29536
EF-4000	1300-2100 GPH	-		21.5 L	18.25 in.	29543
EF-4000 UVC		9				29550
EF-5000	1300-3000 GPH	-		27.5 L	22.25 in.	29567
EF-5000 UVC		9				29574
EF-6000	1300-4000 GPH	-		33.5 L	26.25 in.	29581
EF-6000 UVC		9				29598

SELECTION OF VIAAQUA® POND PUMP

Model	Qmax Liters per Hour	Qmax Gallon per hour	Hmax meter	Watts	Max. Head	Voltage/ Frequency	UPC # 0069037
DP-5000	5000 LPH	1320 GPH	2 M	55 W	5.2 FT.	110-120V/ 60 Hz	TBA
DP-7000	6500 LPH	1716 GPH	2.5 M	70 W	6.56 FT.		TBA
DP-9000	7500 LPH	1980 GPH	3 M	80 W	8.85 FT.		TBA
DP-12000	10500 LPH	2772 GPH	5 M	130 W	13.12 FT.		TBA
DP-15000	12500 LPH	3300 GPH	5.5 M	180 W	14.76 FT.		TBA
DP-18000	14500 LPH	3828 GPH	6.5 M	250 W	16.4 FT.		2966 6
DP-20000	16500 LPH	4356 GPH	7 M	350 W	23 FT.		TBA

IMPORTANT:

Do not operate the filter with a pump having water pressure greater than 5 PSI.
Do not operate the filter with a pool or a jacuzzi pump. When selecting a pond pump, keep in mind that the head pressure will decrease water flow. There are other ViaAqua® pond pumps available that will fit your specific application. Consult your local dealer for the best pump for your given application.

MAINTENANCE

FILTER

When backwashing, if the filter does not produce expected results, it is necessary to clean or replace foam media. This should be performed at least once a season. However, this is not a rule for pond and outdoor environments vary thus more frequent cleaning may be required.

- Unplug the Terminator™ UVC Sterilizer.
- Turn the pond pump off.
- Disconnect the barbed fitting from the filter.
- Flip out safety lock and remove lid retainer clamp.
- Remove the lid of the filter. Handle with care. The UVC bulb and quartz sleeve is made of glass.
- Remove the intake and output flares. (See Part List on page 3).
- Remove and rinse foam pads. Replace them if necessary.
- Remove the bio-chamber and rinse well with pond water only. Biological media beneficial bacteria will be killed if tap water is used to rinse.
- Remove and rinse pre-filter foam pads. Replace them if necessary.
- Rinse and clean the filter body.
- Place the filtering media back in their original locations. Replace intake and output flares.
- Replace o-ring and verify that it is clean. We recommend using a small amount of silicone lubricant on the o-ring to ensure a proper seal.
- Secure lid with lid retainer clamp. The lid retainer clamp must be aligned so that the notches in the top of the clamp fit under the intake and discharge port.
- Filter is ready to use. See installation instructions.

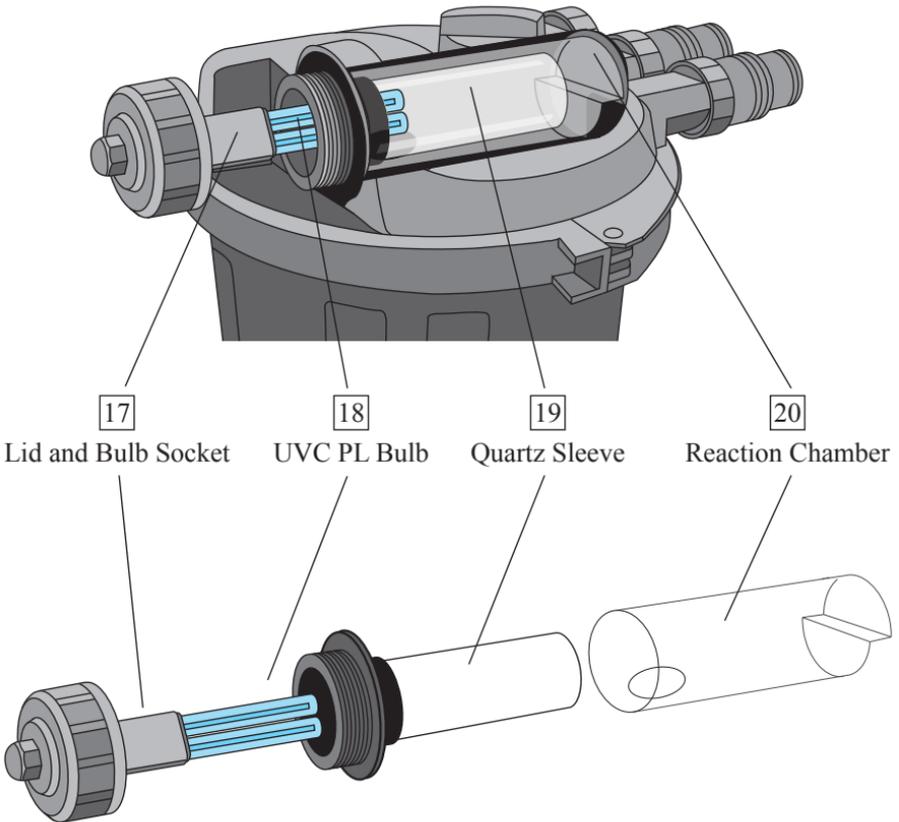
UVC BULB

- Follow all the safeguards and warnings of the manufacture.
- Before doing any maintenance on the UVC sterilizer, the power supply and water supply must be disconnected.
- Only in rare situations does the quartz sleeve ever have to be removed. If necessary loosen screws carefully, then remove the quartz sleeve. If excess force is used the quartz sleeve will break. After removed, use a soft clean cloth to gently remove any excess grim and/or debris. Reassemble using a small amount of silicone lubricant placed on the o-ring prior to sliding it into the main body of the UVC sterilizer.

- The UVC bulb needs to be replaced every 8,000 to 9,000 hours. This will ensure optimum performance.
- The efficiency of the Terminator™ UVC Sterilizer depends on the duration the UV light is in contact with water. Thus the rate of water flow, not the way the water travels, will relate to the efficiency of the UVC sterilizer.

UVC BULB REPLACEMENT

- Unscrew the threaded UVC bulb cap on the end of the UVC sterilizer. Once unscrewed, the inside of the cap will reveal the UVC bulb socket.
- Remove the UVC bulb from the box. Important: Do not touch the quartz area of the bulb. If needed use a clean cloth to handle the bulb.
- Align the pins with the holes in the bulb socket. Press the bulb directly into the holes in the bulb socket. Avoid all angles, failure to do so may cause permanent damage to the bulb and/or the bulb socket.
- Screw cap back onto the UVC sterilizer.



REPLACEMENT PART

Part Number	Description	For Pond Filter Model	UPC # 0069037
9	Fine bio foam (2 in.) 2/bag	EF-3000/ EF-3000 UVC EF-4000/ EF-4000 UVC EF-5000/ EF-5000 UVC EF-6000/ EF-6000 UVC	2975 8
10	Medium bio foam (1.5 in.) 2/bag	EF-4000/ EF-4000 UVC EF-5000/ EF-5000 UVC EF-6000/ EF-6000 UVC	2976 5
10	Medium bio foam(2.25 in.) 2/bag		2977 2
11	Coarse bio foam (2.75 in.) 2/bag	EF-3000/ EF-3000 UVC EF-4000/ EF-4000 UVC EF-5000/ EF-5000 UVC EF-6000/ EF-6000 UVC	2978 9
15	Coarse prefilter (2.75 in.) 2/bag	EF-3000/ EF-3000 UVC EF-4000/ EF-4000 UVC EF-5000/ EF-5000 UVC	2979 6
15	Coarse prefilter (4 in.) 2/bag	EF-6000/ EF-6000 UVC	2980 2
18	UVC bulb 5 watt	EF-3000 UVC	2066 3
18	UVC bulb 9 watt	EF-4000 UVC EF-5000 UVC EF-6000 UVC	2367 1

LIMITED WARRANTY

Commodity Axis Inc. warrants that the ViaAqua® Pond Filter is free from defects for a period of one year from the initial date of purchase shown with the original cash register receipt. Commodity Axis Inc. disclaims all other warranties of merchantability and/or fitness for a particular purpose. Although this limited warranty may give you specific rights, you may have other rights that may vary from state to state. This warranty is void if the failure of the ViaAqua® Pond Filter or any part, sealant or component there of is due to (i) misuse, (ii) tampering, (iii) negligence, (iv) misapplication, (v) abuse, (vi) accident and/or (vii) failure to properly (a) maintain, (b) clean, (c) keep in contact with water and or use the ViaAqua® Pond Filter with a Ground Fault Circuit Interrupter (G.F.C.I.).

CONSUMER REMEDIES

Commodity Axis Inc. entire liability and your sole exclusive remedy be, either the repair or replacement of the ViaAqua® Pond Filter only if the return the defective ViaAqua® Pond Filter directly to Commodity Axis Inc. with the original cash register receipt in this original box along with \$25.00 for shipping and handling. Do not send the ViaAqua® Pond Filter by insured mail. The ViaAqua® Pond Filter may be sent by UPS requiring a signature on arrival. Any replacement of ViaAqua® Pond Filter will be warranted for the remaining for the original warranty period. In no event will shipping charges be reimbursed. In no event will Commodity Axis Inc. be liable for any consequential or incidental damages including, but not limited to loss of life, personal injury, property damage, damaged equipment, lost profits, lost wages, lost savings, lost income, etc. Some states do not allow for the limitations or exclusion of liability for incidental or consequential damages, so the above exclusion may not apply to you.

REGISTRATION CARD

ONE (1) YEAR WARRANTY

Name		Date
Address		
City	State	Zip Code
Country	Home Phone	
Cell Phone	Email	
Date of Purchase	Seller (Retail Name)	
Seller's Location		Phone

*Affix a copy of your original purchase receipt here. Please mail warranty card and proof of purchase within 15 days of purchase to:

Commodity Axis® Inc., 300 South Lewis Rd. Unit J. Camarillo CA 93012

IMPORTANT: Please make a copy of this warranty card and retain it for your records. Warranty policy is subject to change without notice.



COMMODITYAXIS®
C O M M O D I T Y A X I S I N C

Bringing Products to Life
300 South Lewis Rd. Unit J. Camarillo CA 93012
Fax: (888) 989 0878
www.ViaAquaOceanpure.com