

## **WARNING**

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



# Hydrant Pump

- Pre-filter hose fittings included
- 16 ft. grounded cord
- For indoor or outdoor use
- Extremely quiet
- Multi-purpose submersible and external energy efficient for aquarium and pond
- Thermally protected
- Internal and external operation



**ViaAqua®**

# PUMPS/POWERHEADS

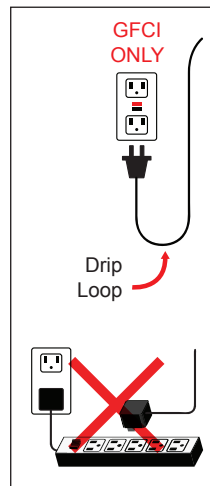
ViaAqua® PowerHead Pumps, the energy efficient and versatile water pump. These utility pumps can be used for wet/dry filtration, water circulation, protein skimmers, fountains and/or ponds. Enhanced motor design and magnetic rotor technology makes these units energy efficient and silent, yet are powerful and reliable.

## WARNING AND SAFEGUARD

### 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.

- \* Please read and follow these important safeguards and safety guidelines.
- \* ViaAqua® pump must be operated fully submersed at all times.
- \* Never operate a ViaAqua® pump with a electronic wave maker or timing device. As such devices will cause permanent damage to the pump and/or demagnetize the impeller.
- \* When operates the pump inside an aquarium, a prefilter must be used. Failure to use a prefilter will cause damage to the impeller and/or pump.
- \* When operates a pump inside a pond or fountain, a large prefilter must be used. Failure to use its will cause damage to the impeller and/or pump.
- \* Routine maintenance is required to insure the maximum performance and the longevity of the ViaAqua® pump. See maintenance guidelines.
- \* Prior to maintenance on any electrical aquarium appliance or maintenance to the aquarium, you must disconnect all electrical aquarium devices.
- \* The use of a surge suppressor is strongly recommended.



## Important

Failure to maintain and/or operate the pump according to the manufacturer's guidelines and directions will cause pump not to work properly or may completely malfunction. This could cause the loss of fish, plants and animals. It is the full responsibility of the consumer to maintain both their aquariums and pump to insure a healthy aquatic environment!

# APPLICATIONS

## IN-LINE OR SUBMERSED OPERATION

1. Verify that the pump size fits the application without dramatically restricting the flow. Consult your local dealer or manufacturer's guidelines for the proper size and model of ViaAqua® pump.
2. Do not reduce the input diameter of the pump
3. You must incorporate a pre-filter when operation for a water circulation, waterfalls, ponds and fountains.
4. Replace the impeller if there are any signs of damage or excess wear.
5. Failure to maintain a ViaAqua® pump will cause permanent damage to the impeller and/or pump. Routine maintenance is of the utmost importance to keep you pump working well.

## SUBMERSED

1. Place pump in the desired location
2. If place in a pond: Raise the pump off the bottom of the pond by a min. of 6 inches when installing.
3. Use Teflon tape to connect the threaded pipe adapter to the output of the pump.
4. Place the gasket onto the barbed pipe adapter, now using Teflon tape hand tighten the barbed pipe adapter to the threaded pipe the adapter.
5. Connect the flexible tubing to the barbed pipe adapter. Insure water tightness with a hose clamp.

## EXTERNAL

1. Place the pump in desired location
2. Using Teflon tape connect the threaded pipe adapter to the intake and output of the hydrant water pump.
3. Place a gasket on the barbed pipe adapter, now using Teflon tape hand tighten the barbed pipe adapter to the threaded pipe the adapter.
4. Connect the flexible tubing to the barbed pipe adapter. Insure water tightness with a hose clamp.
5. Verify that there are not any kinks in the tubing
6. The intake must have an adequate strainer. Do to the water flow of the pump a large strainer is required.

## NOTE

- \* Since there are many manufactures of filtration systems, please refer to the manufactures instructions for installation and guidelines.
- \* Due to the design of wet and dry filtration systems and sumps there is a high amount of evaporation. Therefore, it's the Aquarist's sole responsibility to insure a proper water level thus insuring the pump is fully submersed at all times.
- \* Float valves will sure a consistent water level at all times. See your local dealer for more information.

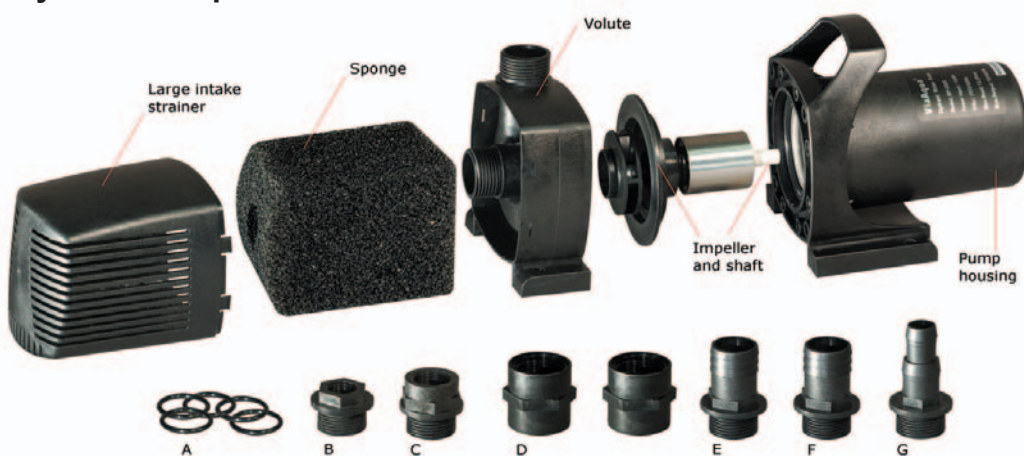
# MAINTENANCE

To insure a properly operating pump: Clean pump, impeller and intake strainer every 3 weeks. Failure to do so will cause premature failure of the pump.

1. Disconnect the pump from the power supply prior to removing the pump from the water.
2. Remove the prefilter. Rinse out prefilter sponge of debris.
3. With a Philips screw driver loosen the four screws on the volute. Now, remove the volute.
4. Once the volute is removed, clean well. Now verify the impeller is free of all dirt and debris.
5. Remove the impeller and clean well.
6. Once the impeller is removed, slide both the impeller and shaft out of the main body of the pump and clean well. Do not use any soap detergents during cleaning.
7. After the impeller and shaft are cleaned, use a small brush to clean inside of the motor housing.
8. Reassemble above parts and your ViaAqua® pump is again ready to use. Confirm that all the washer and bushing a reassembled properly. Failure to do so will cause permanent damage to the pump.
9. Replace the impeller if there are any signs of damage or excess wear.

**NOTE:** If the water flow is to decrease, it's a clear sign that debris is inside the impeller or the prefilter is clogged. It is the aquarist's sole responsibility to insure the pump is maintained. Failure to do so will cause permanent damage to the pump.

## Hydrant Pump Parts



- A. O-rings (6)
- B. 3/4 in. FPT adaptor
- C. 1 in. FPT adaptor
- D. Threaded pump adaptor (2)

- E. 1 1/4 in. barbed intake
- F. 1 1/4 in. barbed output
- G. 3/4 - 1 in. barbed output

## Hydrant Pump Set-up:



## Limited Warranty

Commodity Axis Inc.© warrants that ViaAqua® Hydrant Pump is free from defects for a period of one year from the initial date of purchase shown in 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 gives 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® Hydrant Pump 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) pre-filter, (d) reassemble, (e) clean and/or use the ViaAqua® Hydrant Pump with a Ground Fault Circuit Interrupter (G.F.C.I.).

## Consumer Remedies

Commodity Axis Inc.© entire Liability and your sole exclusive remedy are either repair or replacement of the Via Aqua® chiller only if you return the defective ViaAqua® Hydrant Pump directly to Commodity Axis Inc.© with the original receipt in this original box along with \$15.00 for shipping and handling. Do not send the pump by insured mail. The ViaAqua® Hydrant Pump may be sent by UPS requiring signature upon arrival. Any replacement ViaAqua® Hydrant Pump will be warranted for remaining of the original warranty period. In not event shall any 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. arising out of the use of the ViaAqua® Hydrant Pump. Some states do not allow for the limitation or exclusion of liability for incidental or consequential damages, so the above exclusion may not apply to you.

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## HYDRANT PUMP REGISTRATION CARD ON E (1) YEAR WARRANTY

### Personal Information

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.

**IMPORTANT: Please make a copy of this warranty card and retain it for your records.**

**Warranty policy is subject to change without notice. August 2009.**