



## Vertex™ Zeovit Filters **ZF-15 / ZF30**

Thank you for purchasing our product, *Vertex™ Zeovit Filters* are manufactured from the best quality materials in the industry and with utmost care.

Our goal is to offer proper equipment to maintain the most complex aquatic systems. We prioritize with ease of use, efficiency & considerations to the needs of animals you maintain.

Please take a moment to read these instructions to ensure optimal performance. When using or installing electrical devices, take care and/or consult a professional. Your safety is our #1 concern.

### **Installation and set up:**

*Be sure to follow these directions carefully. Failure to do so may result in damage to your Vertex™ Zeovit Filter.*

*Dealers or the manufacturer are not responsible & can't be held accountable for any personal or property damage resulting from the use or misuse of our products.*

Carefully remove your new *Vertex™ Zeovit Filter* from its original packaging, inspect the unit for damages. All damages must be reported to your dealer WITHIN 48 hours of receipt & marked by the delivery driver on the waybill.

Each *Vertex™ Zeovit Filter* will have the following parts:

- *Zeovit Filter* internal body housing w/ plunger & lid.
- Main *Zeovit Filter* body w/ lid.
- *Zeovit Filter* pump w/ impeller.
- Pump manifold including True Union Ball Valve.



Once you have verified that there is no damage and that all the parts are present, you may begin the installation.

1. Insert the pump manifold assembly the body of the *Zeovit Filter*. This process can be made easier by lubricating the rubber gasket with some water.
2. Couple the True Union Ball valve with the *Zeovit* pump; ensure that the bottom face of the pump is flush with the bottom of the *Zeovit Filter*.
3. Unthread the nylon bolt from the T-section of the plunger handle. Be careful not to apply too much pressure, as you may strip the bolt. Remove the lid sealing the main body of the *Zeovit Filter* from the plunger assembly. Lift the internal body housing from the main body of the *Zeovit Filter*.
4. Unthread the nylon bolt sealing the internal body's perforated lid, again being careful not to strip the bolt. You may now place your media into the internal body chamber. Be sure not to overfill the media chamber.  
*\*Note - They are many brands of Zeolith and additives in Aquarium industry; however we recommend products from "Korallen-Zucht" which are proven to perform without harming your system. The maximum recommended flow rate with "Korallen-Zucht" zeoliths is 100 gal/hour. Other products may have different flow ratings.*
5. Return all the pieces to their original positions making sure not to over-tighten the nylon bolts.
6. Verify now that your sump has adequate space for the *Zeovit Filter*. Be sure that the *Zeovit Filter* can sit flat and that it is not touching the sides of the sump, any baffles or any PVC plumbing. This will ensure the quietest performance from your *Vertex™ Zeovit Filter*. Additionally, you will achieve best results by situating the unit downstream from your protein skimmer and any other mechanical filtrations.
7. Place the *Zeovit Filter* carefully into your sump. If there is water in your sump, begin by slowly submersing the *Zeovit Filter* body underwater to reduce buoyancy. Skipping this may result in stressing the elbow joints of the *Zeovit Filter*.

### **Operating your new *Vertex™ Zeovit Filter***

Now that you have finished with the installation of your *Vertex™ Zeovit Filter* it's now time to power up the unit.

First, make sure the unit is properly filled with media and situated in the proper position.

Next, locate the power cord and an appropriate power outlet. It is recommended that prior to plugging in the pump; you set up a drip loop to prevent electrical shock or fire in the event of water splashing onto the cord or near the power outlet. Make sure the power outlet is clean, dry and supplying 110v—120v @ 60HZ. You can now connect the pump to the power outlet and start up your new *Vertex™ Zeovit Filter*

Adjusting the *Zeovit Filter* is as easy as turning the ball valve at the output of the pump.

Daily agitation of the *Zeovit* media is simple thanks to its dual chamber design, merely grasp the plunger handle and 'pump' the unit with firm up-down motions daily.

Congratulations, your *Vertex™ Zeovit Filter* is now ready for use!



## Maintenance

It is recommended that you clean the internal body chamber during routine media swaps. Use a soft brush to clear the perforated lids of debris and growth.

Every three months, you should remove the pump for maintenance. Disassemble pump, taking care not to drop anything, especially the impeller shaft!

Clean the pump & impeller with a mild solution of Water & vinegar, then reassemble with care. Now it is time to decalcify the pump. Place the pump in a vessel with a mild vinegar/water bath and allow the pump to run overnight. Take care that the output of the pump is not facing upwards while running to avoid any splashing or spillage on the floor.

## Warranty:

*Vertex™ Zeovit Filter* come with 1 year limited manufacturer warranty

The *Vertex™ Zeovit Filter* impeller comes with a 1 year Manufacturer's warranty. The *Vertex™ Zeovit Filter* pump comes with a 1 year Manufacturer's warranty. In the case of a defect, please contact the dealer of purchase for warranty purposes. Never run the pump dry. Pumps that have burnt out from dry runs will not be eligible for warranty replacement. *Vertex Aquaristik®* reserves the right to warranty products based on inspection.

All warranty related issues should be handled at the point of purchase location by trained staff. Please contact your dealer for warranty replacement services.

For more information, please contact your dealer or visit is at [www.vertexaquaristik.com](http://www.vertexaquaristik.com)