

# ADVANTAGE PRO SERIES GLASS FILTER INSTRUCTIONS



## INSTRUCTIONS FOR BACK WASHING

- 1) Turn off pump.
- 2) Close both gate valves. THIS IS VERY IMPORTANT!!! If both valves are not completely closed, water will be pumped out of the waste line and begin to drain your pond.
- 3) Turn **Advantage Bead Filter** valve to "RECIRCULATE".
- 4) Turn **Advantage Glass Filter** valve to "RINSE"  
Open ball valve under blower of **Bead Filter** and turn on blower for:  
30 seconds for the **Advantage 10 Glass Filter**.  
60 seconds for the **Advantage 15 Glass Filter**.
- 5) With blower running, turn **Advantage Glass Filter** valve to "BACKWASH" and open valve on top of filter.  
  
\*Note: Some water will come out of the ball valve on this step. If excessive water comes out of valve on top of the filter when opened, close valve and repeat step 3. In the future, increase the blower time on step three so that no water comes out during step 4.
- 6) After 60 seconds, turn off blower and close both the ball valve on top of filter and also the ball valve under the blower of the **Bead Filter**.
- 7) Turn on pump.
- 8) Wait for waste water in sight glass to become clear. (approximately 60 -90 seconds)
- 9) Turn pump off.
- 10) Turn **Advantage Glass Filter** valve to "RINSE".
- 11) Turn on pump. Leave on "RINSE" briefly, until water in sight glass becomes clear again.
- 12) Turn off pump.
- 13) Turn **Advantage Glass Filter** valve back to "FILTER".
- 14) Turn **Advantage Bead Filter** valve back to "FILTER".
- 15) Open both gate valves
- 16) Turn on pump.



**(Multiport Head Valve)**

## BIMONTHLY MAINTENANCE

This maintenance will help keep the **Advantage Glass Filter** from turning into a biological filter and reducing the flow.

- 1) Follow steps 1-3 of the back washing instructions. After step 3 turn off blower and remove lid from Glass Filter.
- 2) Connect garden hose to plastic wand supplied with Glass Filter. Turn on hose water and insert wand into filter. Gently use water flow from wand to break up any clotting of glass media. Make sure to get around and under the 8 bottom laterals.
- 3) Turn off hose and remove wand. Pour in 2 Tbls. of Potassium Permanganate diluted in 1 gallon of water. Add another gallon of straight water to rinse first gallon down and reclose lid.
- 4) Perform steps 4 & 5 of the back washing instructions.
- 5) Turn **Glass Filter** valve to "RICIRCULATE"
- 6) Turn **Bead Filter** valve to "FILTER" and turn on pump.
- 7) After 12 hours perform the entire back washing cycle as normally done.





## 9 SIMPLE STEPS TO EASY FILTER INSTALLATION.

*This unit is not designed as a stand alone filter. It is to be used after a bead filter.*

- 1) Place filter body on a level hard surface. We recommend pouring a small cement pad.
- 2) (Optional) Pour in 1 bag of glass. This will help keep the filter in place while you connect the plumbing. If you put all the glass in at this time it can become difficult to move the filter if you need to adjust the position while hooking up the plumbing. Push the internal head to the side before pouring in the glass.
- 3) Attach the valve head to the filter body. Hand tighten unions.
- 4) Adjust the position of the filter to create the easiest connection of the pipes to the bead filter.
- 5) Plumb pipe from the opening marked "Return" on the bead filter to the opening marked "To Bead Filter" on the glass filter.
- 6) Connect the pipe returning to your pond to the opening on the valve head marked "RETURN" on the glass filter. If you have an ultraviolet light, it should be installed after the filter.
- 7) Connect a pipe from the opening on the glass filter's valve head marked "TO WASTE" to the same waste line that you are using for your bead filter.
- 8) Pour the rest of the glass into the filter\* and be sure to **push the internal head back in place** (straight up) when finished loading in glass. Screw the "top cap" onto the filter. Tighten the cap down with the enclosed plastic "top cap wrench".
- 9) Place control valve to the "FILTER" position on both filters and turn on your pump. When water your pump. When water begins to flow through filter, check for any leaks. If you have no leaks, congratulations, you did it.

\* The Advantage 10 Glass gets a total of 3 bags of glass. The Advantage 15 Glass get 5 bags.

