

# ADVANTAGE BEAD FILTER INSTRUCTIONS



## INSTRUCTIONS FOR BACKWASHING

- 1) Turn off pump.
- 2) Turn valve to "BACKWASH"
- 3) Turn on pump for 15 seconds.
- 4) Turn off pump.
- 5) Turn valve to "RINSE".
- 6) Open ball valve under blower and turn on blower. Once the beads are seen tumbling through the clear lid on top of the filter, let the Blower run for 30 to 60 seconds.
- 7) With blower still running, turn valve to "BACKWASH". Leave blower on until dirty water no longer appears in the sight glass.
- 8) Turn off Blower and close ball valve under blower.
- 9) Turn on pump.
- 10) Wait for the waste water in sight glass to become clear. (approximately 60 seconds)
- 11) Turn off pump.
- 12) Turn valve to "RINSE".
- 13) Turn pump on. Leave valve on "RINSE" briefly, until water in sight glass becomes clear again.
- 14) Turn off pump and turn valve back to "FILTER"
- 15) Turn on pump and you are done.

\*Once a month before backwashing filter, turn off pump and open ball valve on the bottom of the filter. Leave valve open until water runs clear (3-6 seconds). Close valve and continue backwash as normal. If connecting to a pipe, add a sight glass.  
(Caution: Leaving ball valve open too long will casue a loss of beads.)



Scan for  
Backwash Video



**(Multiport Head Valve)**

## INSTRUCTIONS FOR BYPASSING FILTER WHEN MEDICATING POND.

Turn valve to "RECIRCULATE". This will bypass the filter media.

**Note:** The bacteria in your filter is aerobic which means it needs oxygen to keep living. You can keep the bacteria oxygenated during the medicating of your pond without allowing the medication to contact your bacteria by following this simple procedure:

- 1) Turn off pump.
- 2) Turn valve to "RINSE".
- 3) Turn on blower for 30 seconds.
- 4) Turn off blower.
- 5) Turn valve back to "RECIRCULATE".
- 6) Turn pump back on.

- This procedure should be performed once every four hours for as long as the beads are being bypassed.



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# ADVANTAGE PLUG & PLAY INSTALLATION GUIDE.



Scan for  
Installation Video

- 1) Create a flat area for the pad to be placed near the plumbing for the pond.
- 2) Place the filter pad on the flat area with the 5 inch block towards the front. It is important that the pad be reasonably level for the equipment to set on.
- 3) Install the Electrical Control Tower over the 5 inch square block on the pad. Secure it in place with the 4 screws provided.
- 4) Set the Advantage Bead Filter body on the pad over the area marked for the filter.
- 5) Pour all the beads into the filter. You can move upper internal lateral to one side to install the beads but make sure to move it back to the center when you are finished loading the beads. Make sure there are no beads in the top closure threads before screwing top lid back on filter.
- 6) Install and level the multiport head on to side of the filter and hand tighten unions.
- 7) Set the UV light on the area labeled for the UV. You can place it with the electrical connections facing either end. Keep in mind that once a year you will need to replace the lamp for the UV.
- 8) Set the pump on the pad over the area labeled for the pump.
- 9) Connect all the plumbing together by matching the colored dots up with each other and then screw the unions together. Hand tighten only.
- 10) Attach blower to the union on top of the ball valve, located to the left of the multiport head.
- 11) Connect and glue the intake pipe from the bottom drain and skimmer to the pump. The clear check valve that was provided with the system should be installed here on the this line. If the Plug and Play System is being installed below the water level of the pond, a ball valve will need to be installed in front of the pump to prevent water from overflowing when the pump basket is opened.
- 12) Connect and glue the return pipe from the ultraviolet light to the pipe leading to the waterfall and jets.
- 13) Attach and glue a pipe to the waste line of the multiport head. This is where the dirty waste water from the filter will be discharged from during backwashing. This line needs to be 2" pipe and should not travel up hill, which can cause the blower to overheat.
- 14) Plug the blower into the GFCI plug on the btoom left in the lower electrical box.  
Plug the pump into the top plug on the right marked #1 inside the electrical box.
- 15) Plug the main power extension cord extending out of the lower back of the Electrical Control Tower into a 20 amp dedicated outlet.
- 16) Prime the pump by pouring water into the pump basket and replacing the pump lid and then turning pump on. You may need to repeat this procedure several times to get the pump to prime for the first time. Once primed, the pump should stay primed each time you stop the pump and open the basket. Once the system is running check for leaks. Simply by tightening any unions you can usually stop any leaks that might occur.
- 17) Roll a paper towel up and insert it into the end of the UV light where the lamp would normally go. Leave the paper towel in the UV for 1 minute and then remove. If the towel is damp, you will need to tighten up the quartz sleeve retailing nut inside the UV. If the towel is dry, insert the UV lamp into the unit, leaving the last 4 inches exposed. Attached the 4 pin connector of the power supply to the end of the lamp. Then plug the power supply into the top left side of the GFCI in the lower electrical box. Confirm UV light illuminates and then screw the grey nut into the end of the UV unit.

Enjoy your new filter system.