



# PoliGlassBead Instructions

## *Congratulations*

on your new PoliGlassBead Filter

You have made a wise choice in choosing the PoliGlassBead filter. Your filter was carefully thought out and designed to give you many years of faithful, worry free service. Some of the care and planning of your filter is self evident in even the small things, such as the Lifetime Warranty on the tank itself. The tanks are made of the ultimate filter vessel material, fiberglass. This is a higher quality tank than the typical plastic tank used on many filters.

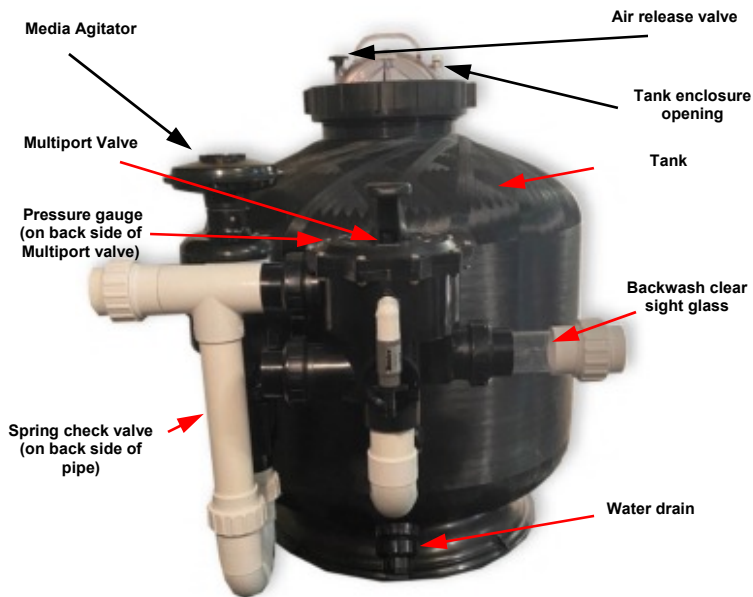
Your clear spring check valve for the PoliGlassBead Agitator is designed so in time (normally many, many years) when the check valve goes out you can simply unscrew the union and replace just the valve seat itself in just a few minutes.

Your Multiport valve was carefully chosen to be the least restrictive backwash valve on the market to give maximum flows for the least energy dollars. The internals were carefully designed with maximum flows in mind to give further energy savings, by allowing you to use the most energy efficient pumps on the market.

The PoliGlassBead Media Agitator is a high quality air blower that injects huge amounts of air into the vessel prior to backwash, this breaks up the bead pack which allows for a very thorough backwash.

**Rest assured that quality was the main consideration when your PoliGlassBead filter was designed and assembled.**

### Getting to know your PoliGlassBead filter



### Assembly of your PoliGlassBead

4. Set the MEDIA AGITATOR in place on top of the spring check valve. You may use a set screw to attach it to the pipe if desired. Do not use glue to attach.

3. Tighten the union of the check valve to the multiport valve

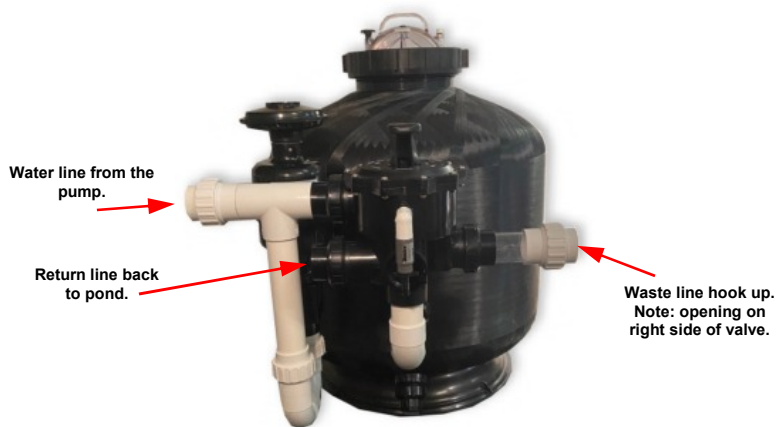
2. Hand tighten Multiport valve to the tank. It just slips into position and hand tightens with no solvent gluing. NOTE: top fitting is hidden in this picture.

5. Open Tank enclosure. Unscrew the black Omnifuser at the top inside of the tank. Cover exposed pipe with rag or tape. Pour pebble gravel in tank until it just covers the laterals at bottom of filter. Then pour the Glass Bead MEDIA into filter. Finally the Black Prefiltration Media goes into the filter. Reattach Omnifuser. Replace Tank enclosure cap and tighten black ring.

1. Tighten Water Drain being careful to not over tighten.

**If you have any questions on your filter feel free to give us a call and we'll be glad to help.**

## PoliGlassBead Plumbing hook up assembly



Make plumbing hook ups as shown in the picture. Use 2" pipe to connect to unions to secure plumbing to valve.  
For ease of use we recommend a 3 way valve be installed and water flowed to the PoliGlassBead when a polish of the water is needed and the rest of the time the water can be bypassed around the PoliGlassBead filter.

## Winterizing the PoliGlassBead

1. Turn pump off and drain water from pump basket and volute.
2. Open water drain on filter. No media will come out, only water.
3. Loosen the Multiport valve from the housing and back the valve away from the tank to release any water in the valve.
4. Now just wait for Spring.



## Back washing the PoliGlassBead filter



1. Turn off water pump. Move Multiport valve to "RINSE". Turn on Agitator. Run Agitator about 30 to 45 seconds or longer depending on the size of the filter. Your goal is to drop the water level down in the filter so that you don't lose media/glass beads during agitation. Try to flush out about 25% of filter volume. Very important to watch closely what is going on at this point as the media retention is the job of the person backwashing the filter and media is not covered by warranty. Turn off Agitator.
2. Move Multiport valve to "BACKWASH" position, start Media Agitator and run until media and debris are thoroughly agitated. Usually 1-3 minutes. Once again be careful to watch for loss of media during backwash. Stop Agitator. Start water pump and run until water is clear in sight glass. Stop pump.
3. Move Multiport valve to the "RINSE" position, restart pump and run until water is clear in sight glass. Stop water pump.
4. Move Multiport valve to the "FILTER" position and restart the water pump. You're done, it's that simple.

*Your PoliGlassBead filter was designed to get rid of the solids when backwashed thus providing you with a more efficient filter and fewer backwashings being needed.*

Other settings on your dial are the following:

- Waste: Bypasses the filter and sends water to waste.
- Recirculate: Bypasses the filter and sends water back to the pond.
- Closed: keeps water from going through filter.

**IF YOU HAVE QUESTIONS ABOUT YOUR  
FILTER  
SYSTEM AND NEED HELP, PLEASE CON-  
TACT YOUR DEALER OR  
GC TEK AT  
405-258-5551  
FAX 866-728-0678  
INFO@GCTEK.COM**

**THANK YOU FOR CHOOSING  
PoliGlassBead**



— GARY CRYER