



Medusa Instructions

Congratulations

on your new **Medusa Filter**

You have made a wise choice in choosing the Medusa 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 Medusa Media 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 valves were 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.

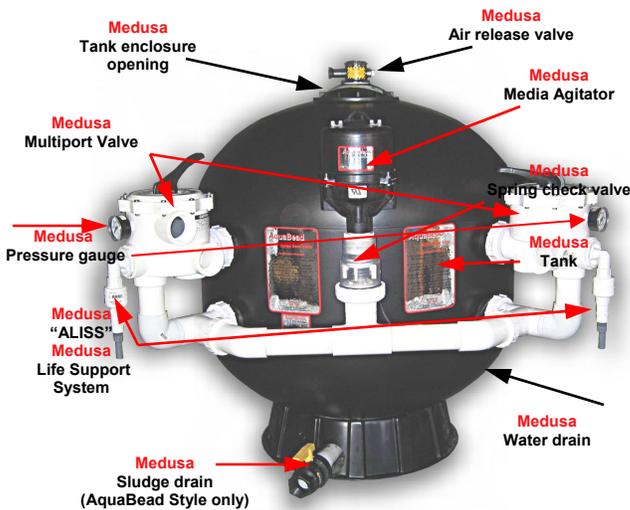
The Medusa Life Support System allows you to hook up a koi pond air pump to the supplied fitting on the front of the multiport valve and supply life giving oxygen to the filter bacteria during times of medical bypass or pump failure.

The Medusa 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 Medusa filter was designed and assembled.



Getting to know your Medusa filter

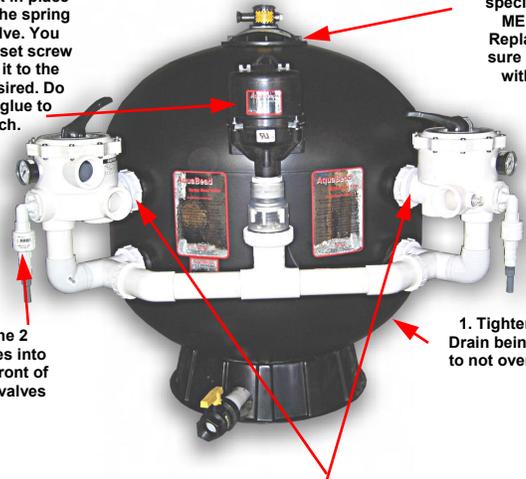


Taking a few minutes to get to know the different components of your Medusa will assure that you are using it to it's maximum potential.

Assembly of your Medusa

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.

5. Open Tank enclosure with the supplied special tool and pour MEDIA into filter. Replace Tank enclosure cap and tighten with special tool.



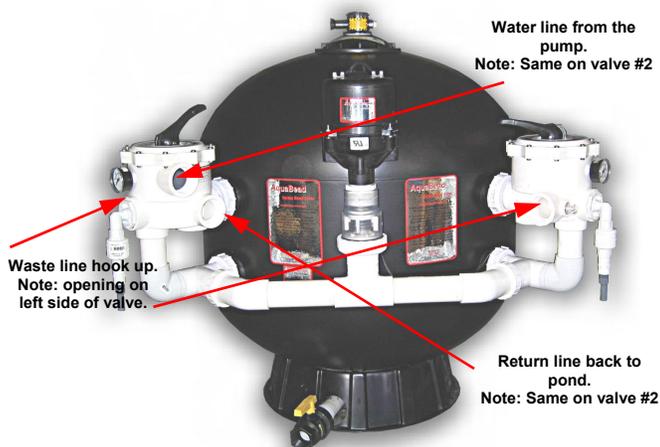
3. Thread the 2 "ALISS" valves into place on the front of the Multiport valves

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

2. Hand tighten Multiport valves to the tank. It just slips into position and hand tightens with no solvent gluing.
NOTE: Cross bar that connects the two Multiport valves just screws onto the Multiports after they are in position.

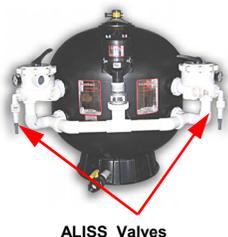
If you have any questions on your filter feel free to give us a call and we'll be glad to help.

Medusa Plumbing hook up assembly



Make plumbing hook ups as shown in the picture. We advise the use of unions to secure plumbing to valve.

Medusa Life Support System



Your Medusa filter addresses the age old problem of “how do I keep my beneficial bacteria from dying when I have to do a medical bypass or I experience pump failure?”

Easy and simple. Just run a line from your koi pond air pump and attach it to the barbed fitting on the front of the multiport valves. Set the Multiport valves to the “RINSE” setting prior to turning on the air pump. Turn on the air pump and the oxygen supplied by the air pump will keep the bacteria happy and safe for several days if necessary. Remember, never run the water pump at the same time that you are running your air pump. It will cause damage to the air pump.

Winterizing the Medusa

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. If equipped with a sludge drain, barely “crack” the ball valve until water just dribbles out and leave in this position.
3. Loosen the Multiport valves from the housing and back the valves away from the tank to release any water in the valve.
4. Now just wait for Spring.

Backwashing the Medusa filter



1. Turn off water pump. Move Multiport valves to “RINSE”. Turn on Medusa Agitator. Run and cycle Agitator with 20 second on and 5 second off cycles for 5 or 6 cycles. Turn off Agitator.
2. While still in the “RINSE” mode, turn water pump on and run until water starts to go out the waste line and then stop water pump.
3. Move Multiport valves to “BACKWASH” position, start water pump and run until water is clear in sight glass. Usually 1-3 minutes. Stop pump.
4. Move Multiport valves to the “RINSE” position, restart pump and run until water is clear in sight glass. Stop water pump.
5. Move Multiport valves to the “FILTER” position and restart the water pump. You’re done, it’s that simple.

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

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

**THANK YOU FOR CHOOSING
THE MEDUSA**

— GARY CRYER

