



# X2 Instructions

## Congratulations

on your new X2 Filter

You have made a wise choice in choosing the X2 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 X2 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 X2 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 X2 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 X2 filter was designed and assembled.



### Getting to know your X2 filter



Taking a few minutes to get to know the different components of your X2 will assure that you are using it to its maximum potential.

### Assembly of your X2

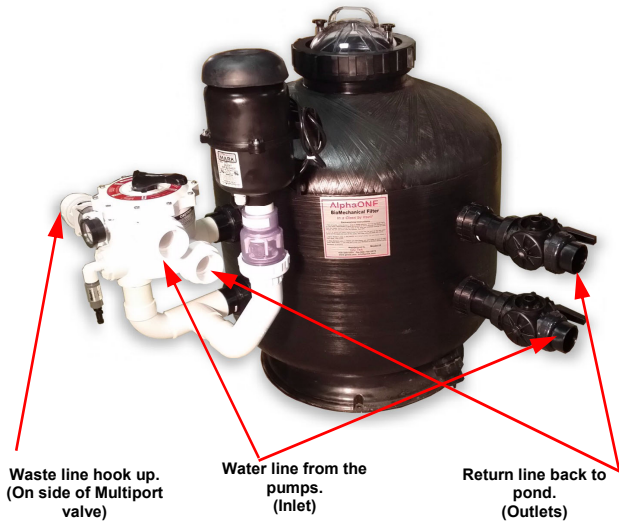


1. Attach multiport valve by hand tightening the unions to the tank making sure the gaskets are in place on the unions.
2. Attach 2 way valves to tank by hand tightening making sure the oring gasket is in its proper place on tank union.
3. Place media Agitator on check valve. Do not glue. You may use a set screw to attach if desired.
4. Open tank top. Unscrew Omnifuser inside top of tank and cover pipe opening prior to pouring in media. Pour in all media. Screw black Omnifuser back into place. Close tank top cap assembly making sure lid gasket is in place. It is a good idea to use some silicone lubricant on lid gasket.

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

# X2

## Plumbing hook up assembly



Make sure all valves are located on tank as shown.

# X2

## Life Support System



ALISS Valve

Your X2 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 valve called the ALISS valve. 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 X2

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. Inspect to make sure all water is out of filter.
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 X2



1. Turn off water pumps. Move Multiport valve to "RINSE". Close the 2-2 way closure valves by rotating all valves until pointer is in line with the pipe work. Turn on X2 Agitator. Run and cycle Agitator with 30 second on and 5 second off cycles for 5 or 6 cycles until media can be heard freeing agitating. Turn off Agitator.
2. While still in the "RINSE" mode, turn water pump on, the one connected to the multiport valve, and run until water starts to go out the waste lines and then stop water pump.
3. Move Multiport valve to "BACKWASH" position, start water pump connected to multiport valve and run until water is clear in sight glass. Usually 1-3 minutes. Stop pump.
4. Move Multiport valve to the "RINSE" position, restart pump and run until water is clear in sight glass. Stop water pump.
5. Move Multiport valve to the "FILTER" position, move the 2 closure valves to the position that is cross wise to the pipework and restart the water pumps. You're done, it's that simple.

Other positions on the Multiport valves:

Recirculate- Recirculate bypasses the inside the filter and sends water back to the pond. Useful for medical bypasses of the filter, etc.

Waste- Waste setting bypasses the inside of the filter and sends water out the waste line. Useful for vacuuming the pond, draining the pond, etc.

Closed-Keeps water from flowing through the multiport valve.

*Your X2 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**

**AND NEED HELP, PLEASE CONTACT  
YOUR DEALER OR**

**GC TEK AT**

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