

# HYDRO-RS



# ATTENTION!

**Home owners**

**Plumbers**

**Installers**

**When starting your new water filtration system, turn on the water VERY SLOWLY. Additionally, open an exterior hose bib or the kitchen faucet, this will allow air and water to escape during the filling of the media tank to vapor lock.**

**TECH SUPPORT: 253-887-1265**



### Parts Included

- |                           |                                      |
|---------------------------|--------------------------------------|
| 1. Media Tank (not shown) | 8. Descaler                          |
| 2. Control Valve          | 9. Media (Not shown)                 |
| 3. Wrench                 | 10. Funnel (not shown)               |
| 4. Bypass                 | 11. 20" Housing w/filter (not shown) |
| 5. Silicone cap           | 12. 1" coupler                       |
| 6. In/outs                | 13. Vortexer                         |
| 7. Upper basket           | 14. 1" Sea Tech                      |

### Tools & Parts Needed

- Adapters matching the home pipe size
- Channel locks and Pipe Wrench

### Installation Requirements

- The system should be located after the connection to the sprinkler systems and/or irrigation lines. These lines should be left untreated.
- Install in a location that is not susceptible to freezing temperatures as damage to the equipment can occur.
- Install away from direct sunlight as prolonged exposure to ultraviolet light can weaken plastic components.
- System needs to be on a level surface and mounted securely to a wall
- If water pressure exceeds 70 psi, a pressure regulator must be installed and set at 70psi.

# Assembly Instructions

Place the Media Tank in a permanent selected location.

1. With the **Media Tank** in position, insert the funnel into the opening of the media tank. **Make sure the red cap is securely attached to the distributor tube (Figure 1)**. Pour the media bag into the tank. Pour the media in slowly, there will be some dust.
2. Remove the funnel, wipe the mouth of the **Media Tank**, and remove the distributor tube red cap. Coat the outside of the **Media Tank Distributer Tube** with silicone from top edge and down 1” (Figure 2).
3. **IMPORTANT – Make certain that the strainer basket is securely fastened to the Control Valve by turning clockwise until it is securely locked in place (Figure 3).**
4. **Make certain the Control Valve is securely tightened to the tank before proceeding (Figure 4 & 5).**
5. Attach the black housing lid of the filter housing to the mounting bracket (Figure 6). The red button designates the flow direction for the filter (Red button designates the inlet side).
6. Apply the silicone supplied with the system to the O-rings of the by-pass (Figure 7). Insert and tighten the by-pass threads (Figure 8)
7. Apply silicone to the two in/out parts (Figure 9).
8. Apply Teflon tape to the male end of the in/out fitting (Figure 10). Then insert into the Filter housing lid (Figure 11).
9. Insert the in/out by-pass into the Control Valve (Figure 12). Swing the lid up into a level position for mounting to the wall. Use a backer board if it is needed (Figure 13). The RED button located on filter housing lid designates the inlet side of the installation.



FIGURE 1



FIGURE 2



FIGURE 3



FIGURE 4



FIGURE 5



FIGURE 6



FIGURE 7



FIGURE 8



FIGURE 9



FIGURE 10



FIGURE 11



FIGURE 12



Figure 13



Figure 14



Figure 15



Figure 16



Figure 17



Figure 18

10. Remove the **Descaler**, the blue wire, and power supply from the box. Attach the bracket to the Descaler with the parts included (Figure 14). Plug the blue wire and the power cord into the **Descaler** (Figure 15). Disconnect the by-pass from the Control Valve. Place the bracket over the Control Valve and re-attach the bypass (Figures 16-17).
11. Tighten the by-pass and the Descaler in place. (Figure 18).
12. Connect the Vortexer to the second in/out adapter. Using the Teflon tape provided wrap the in/out and thread the Vortexer on to the adapter (Figure 19).

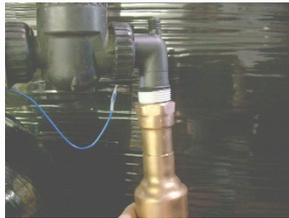


Figure 19



Figure 20



Figure 21

13. Connect the pipe clamp to the Vortexer and then attach the blue wire to the clamp (Figure 20).
14. Apply Teflon tape to the male end of the Vortexer and the male SeaTech adapter. Assemble the coupler and the Sea Tech fitting to the Vortexer (Figure 21). This is now the connection leading to the house.

## Connection Instructions

1. The Installation must comply with any existing state or local plumbing codes.
2. Turn off the water supply. **Turn off power to the water heater.**
3. Release the water pressure by opening a nearby faucet.
4. Mount the filter housing. Remember the red button indicates the flow path (Figure 6).
5. Connect the main water source to the inlet side of the housing (remember pre and post ball valves are recommended).
6. **The Tank has a by-pass, but it is recommended that you install a totally separate by-pass for the entire system.**
7. Check all the connections.
8. **Turn your water on VERY SLOWLY to fill the Media Tank.**
9. **While the tank is filling, turn on an outside hose bib, which is preferred, or the kitchen sink faucet. The removal of the sink aerator may be needed. This will allow air/fines to escape from Media Tank. Cloudy/grey color may be visible in the water. Run the water until it is clear. This can take 15 min or longer.**
10. Turn the water on all the way. Let it run for a few minutes to ensure the water is running clear.
11. Turn the power on for the water heater and close the open faucet.

**Regeneration: Your media will need to be periodically regenerated with a special oxide. Please order replacement filters and Super Oxy at [www.greenfieldwater.com](http://www.greenfieldwater.com) or call 208-462-0626**