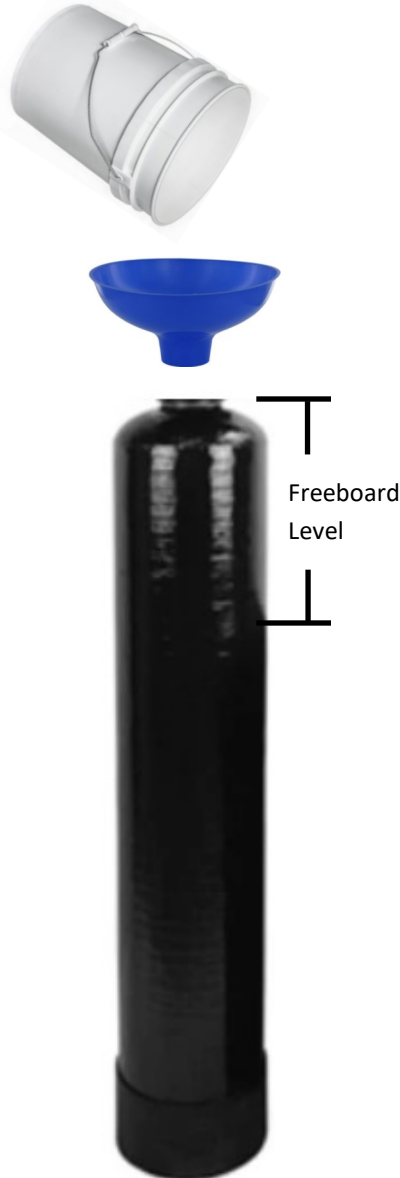


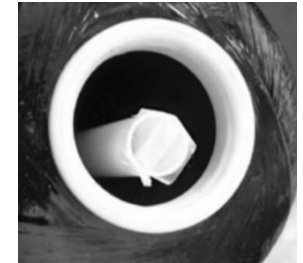
Quick Step Guide: Preparing for Install and Operation - Upflow Carbon

Load the granular filtration media using the funnel. Caution; A lot of dust will fly as you load. Using a face mask is advised

It makes the loading job a little easier to first pour some of the media into a 5-gallon bucket. Then use the bucket and the funnel to pour it into the media tank a little at a time



Place tape over the end of the distributor tube. This will prevent media from getting into the tube while filling. Be sure the distributor tube is solidly attached to the bottom Vortech plate by lightly pulling up on the tube.



Be careful to not overfill the tank with media. Also important to have adequate freeboard space so media can expand during service flow. Overfilling can cause media to escape tank and get into house hold plumbing

Tank Size	Media Amount	Freeboard Level (from top of tank to media inside)
8 x 35	0.75 cu ft	12"
9 x 48	1.0 cu ft	16"
10 x 54	1.5 cu ft	18"
12 x 52	2.0 cu ft	18"



Once the media has been loaded properly in the tank, install the upper distributor basket by aligning the tabs with the openings on the underside of the in/out head. Push the basket into the head and turn clockwise to lock it in place.



Screw the head on to the tank. Fit the basket over the distributor tube and push down to get the threads to line up. Tighten until it's snug, no tools are necessary. **Be sure and remove the tape from the end of the distributor tube first!!**

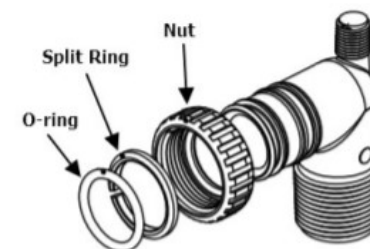


Attach the bypass to the in/out head by pressing it onto the head and then tightening the nuts on to the threaded ports of the head. Hand tighten until snug.



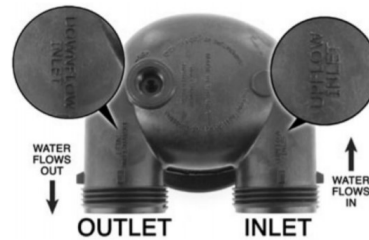
NOTE: The bypass valve can be used universally for either downflow or upflow configurations. This system is design to be used in the upflow direction. The red valve handles "arrows" will indicate the opposite of water flow when used in upflow. When the arrows are in line with outlets the valves are open.

Assemble the two male elbows. Slide the connecting nut on the end of the elbow. Next, slide the split ring onto the elbow allowing it to snap into the inner most groove. Last, slide the o-ring into the outer groove and repeat for the other elbow assembly





NOTE: This is a UPFLOW filtration system and is fed through the UPFLOW INLET. Feeding the system from the downflow inlet will cause the system to not filter properly



Set up for Soak and Initial Flush

Attach the inlet of the filter (the connection on the right) to your plumbing using standard, code approved methods. The connections are 1" male pipe thread, so you may have to make some adaptations. If the inlet and outlet ports on the filter are connected in reverse, the filtration system will not function properly.

Important: Connect only the inlet side of the filter to the house plumbing initially.

Allow Carbon Media to Soak

Important: Very slowly, fill the tank with water until it comes out of the outlet. Let the carbon media soak for at least 24 hours. When carbon media is dry it needs to saturate before water flows through. If this step is not followed the media will float and can severely clog the upper basket.

Once the media has soaked for 24 hours, follow the flush and rinse steps.

Flush / Rinse

- After the filter is installed to the incoming water and media is soaked, attach a garden hose to the outlet adapter. Put the end of the garden hose outside or run it to a drain. Then, turn on the inlet water to the filter so that water flows out of the filter slowly, no faster than half speed. Let the filter rinse at half speed for 10 to 15 minutes, then gradually open the inlet water until fully open.
- When you feel that the carbon has rinsed sufficiently — usually 5 or 10 minutes more — close the inlet water valve, remove the garden hose from the outlet of the filter and connect the outlet of the filter to your house plumbing. The filter is now installed, and the water is ready to use.
- It is possible for some carbon fines (small visible black specs) to still show up inside the house however, following the soaking then flushing process typically eliminates them.