

FILTER FLUSHING PROCEDURE

Before starting the installation, any filters being used to filter the source water for the unit must be flushed. This is important to rinse any loose carbon or debris from the filters so that it does not plug another filter or membrane or end up inside the unit. [DO NOT install and setup the unit before flushing the filters.](#)

Whether the unit is paired with RO (Reverse Osmosis) or UF (Ultra filtration) filter configurations, there is a basic idea that applies to both: the filters, especially the carbon filters, must be flushed or “rinsed.” This section will cover how to do this process.

Regardless of the setup used, all sediment and carbon filters must have several gallons of water flushed through them to properly rinse the filter. The filters should be flushed in the same direction as flow (with **one** exception).

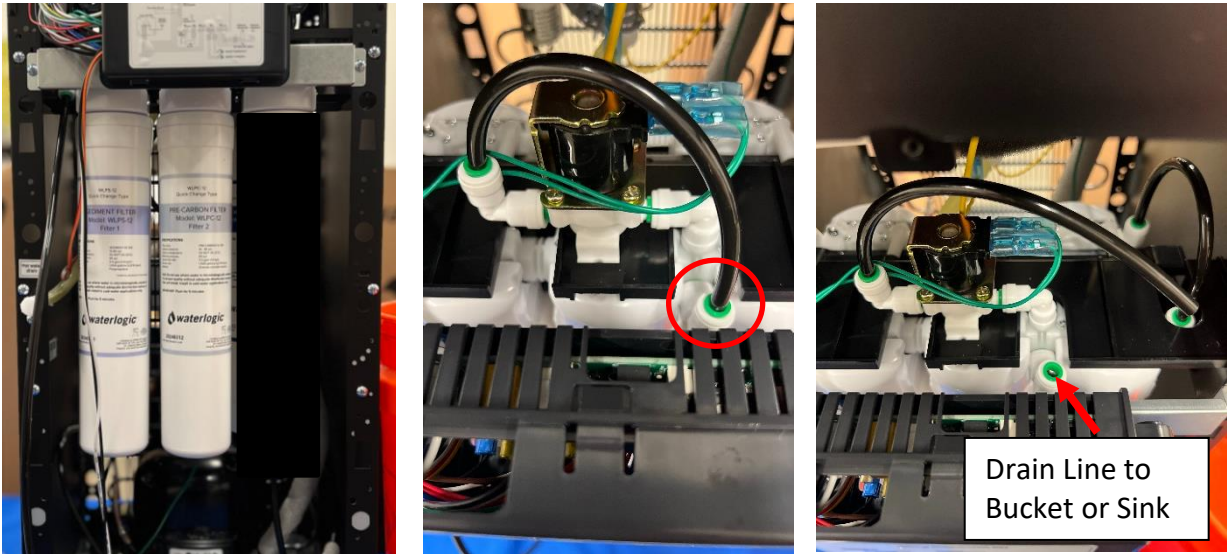
1. To begin, you will need a ¼” LLDPE tube connecting the unit to a water supply, connected at the “Water In” port on the back of the machine. Install a ¼-turn valve just before the unit to easily turn the water on and off.
2. Have a bucket, pitcher, or sink ready to catch the flush water.
3. Remove the drip tray from the unit by pulling the tray straight out. Once removed, locate the single screw that holds the lower front panel in place and remove it.



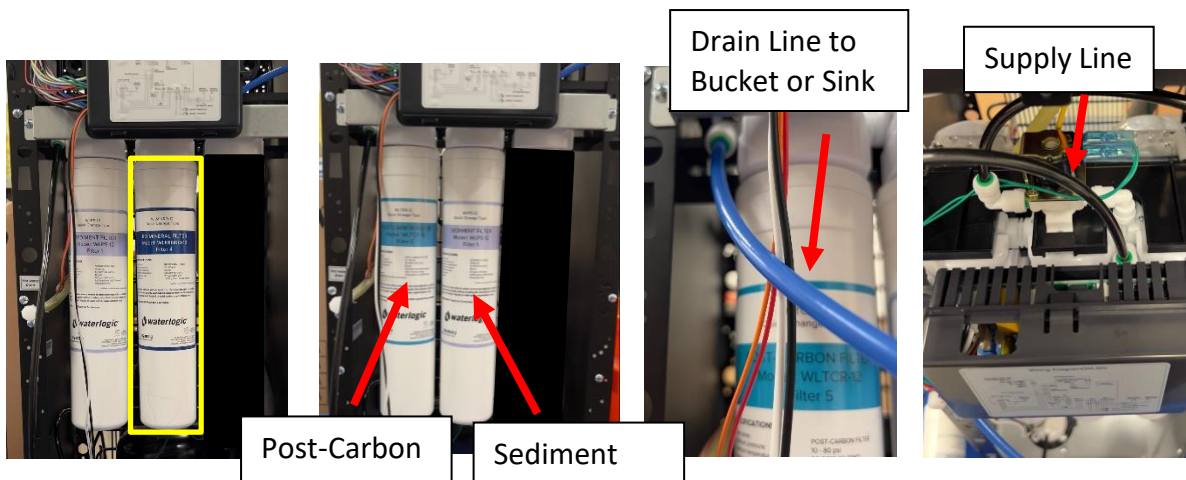
4. Remove the lower front panel of the unit. Press down on the top of the lower panel, then pull away. The panel should hinge outward, and then come away from the unit completely. Set this panel aside.



- This is the view behind the lower front panel. Locate the solenoid on top of the filter bank, behind the PCB housing. Disconnect the tube shown and install a 3-4ft length of tube as a drain line and run to a bucket or sink. Remove the RO filter (twist-tied to the inside of unit). Remove both filters in the back of the filter bank (Post-Carbon and Mineral Add-back filter).



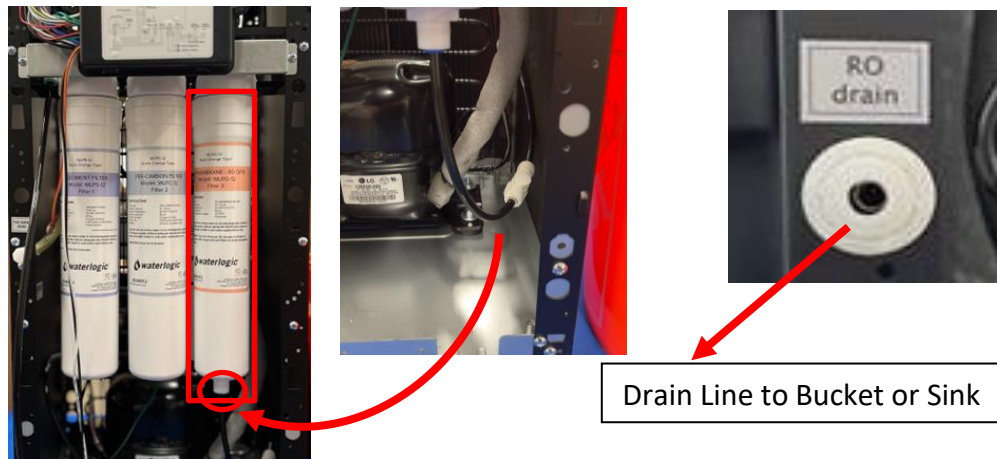
- With the drain line tubing connected to the out port of the pre-carbon filter ran to a drain or bucket, turn on the water supply and allow 2 gallons of water to flush through the sediment and pre-carbon filters. Shut off the water when complete.
- Next, remove the pre-carbon filter and install the RO Mineral Filter in its place. Repeat the step above, flushing roughly 2 gallons of water through the mineral filter. Shut off the water when complete. Then, remove both the Sediment and RO Mineral Filter. Install the Sediment Filter into filter head #2, and install the Post-Carbon filter into filter head #1, as shown. Next, remove the supply line from the left port of the filter bank. Replace it with the drain line. Install the supply line into the port the drain line was removed from, as shown.



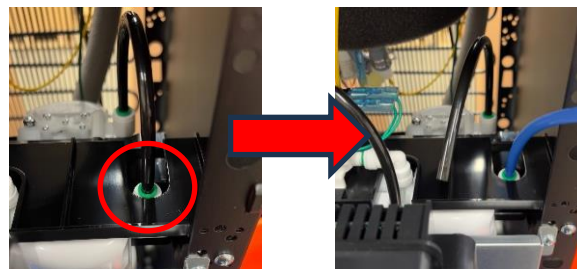
8. Turn the water supply on. This will reverse flush the post-carbon filter. This filter must be reverse flushed because of a mesh screen inside that is susceptible to carbon fines. Once complete, shut off the water supply.
9. With the water supply shut off, return all filters to their original filter heads, and reconnect the black tube of the solenoid valve that was disconnected in step #5. Prepare the RO filter by removing the cap and inlet plug, AND the plug at the bottom in the drain port.



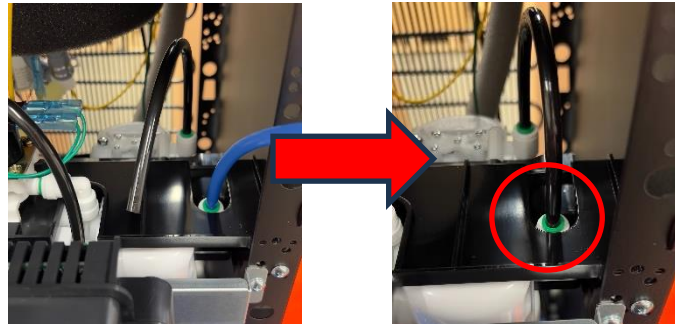
10. Place the RO filter into the third filter head to the right of the pre-carbon filter. Connect the RO drain tube shown. Because the RO filter produces “brine” or reject water in its filtration, ensure the RO Drain port on the back of the machine is plumbed with ¼” LLDPE tubing to a drain or to the same bucket as the flush water.



11. Disconnect the black tube shown, coming out of the product port of the membrane, and replace it with the drain line used for flushing.



12. Turn the water supply on and allow 2 gallons of water to flush out to drain through the RO filter. This will flush any preservative in the membrane out. Once complete, turn the water supply off. Remove the drain line and restore the connection from the product port of the RO to the inlet of the mineral filter that was disconnected in the previous step.



13. The filtration system is now ready to use. The water supply valve can be turned on, and the unit can move forward to the next installation step.