

## **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 M (Micro 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).

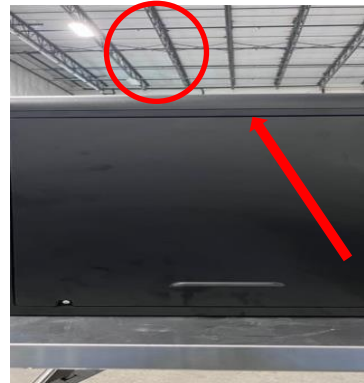
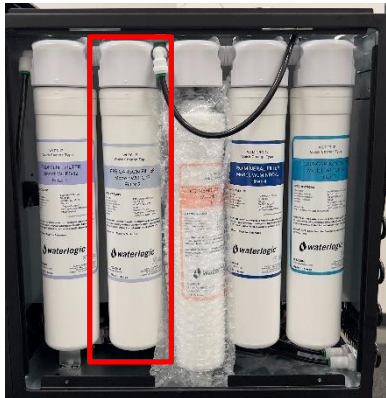
1. To begin, you will need a ¼” LLDPE tube connecting the unit to a water supply, connected at the “Water In” port on the back of the machine. Install a ¼-turn valve just before the unit to easily turn the water on and off.



2. Have a bucket, pitcher, or sink ready to catch the flush water.
3. Remove the right-side panel of the unit. Two screws down at the bottom of the panel must be removed. Then, lift the lower lip of the panel and pull outward. The panel should hinge outward, and then come away from the unit completely. Set this panel aside.

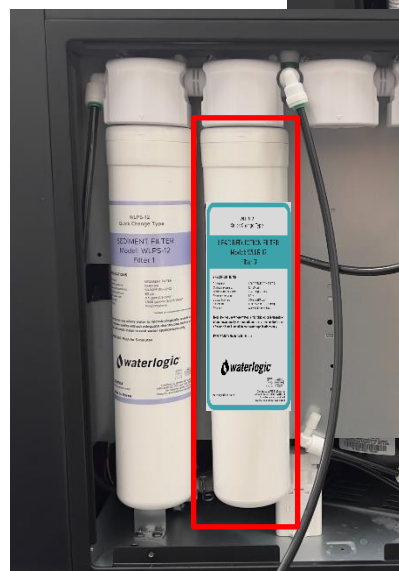
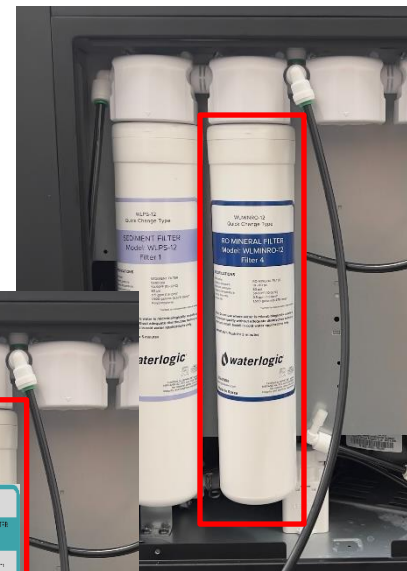


4. Locate the Pre-Carbon filter (Second from the left) and look to the right side of the filter head. Disconnect the tube at the right side port of the sediment filter from the elbow fitting as shown. With an extra section of ¼" LLDPE tubing (about 2-5ft long), plug this into the elbow fitting on the right side of the filter head, and run the other end to a bucket or drain/sink.



5. Open the ¼-turn valve on the supply line. Water will rush into the Sediment and Pre-Carbon filter and exit from the outlet into the bucket/sink. Allow 2 gallons (roughly estimated) to flow out of both filters.
6. Once complete, turn off the valve, remove the Pre-Carbon Filter, and set it aside.

7. **(RO CONFIG)**: Remove the RO Mineral Filter and install it into the Pre-Carbon head. Open the valve once more and flush 2 gallons through the Sediment and RO Mineral Filter. Shut off the valve.
8. **(M CONFIG)**: Remove the Lead Reduction Filter and install it into the Pre-Carbon head. Open the valve once more and flush 2 gallons through the Sediment and Lead Reduction Filter. Shut off the valve.
9. Return the RO Mineral or Lead Reduction Filter to its original position.



10. The last filter to be flushed is the TCR, *but* it must be flushed with reverse flow. Move the Sediment filter to the second filter head (fig. 1). Then, swap the water source connection with the flush line connection (fig. 1). This will pipe water into the *right* side of the second head and cause it to exit out of the leftmost port as shown. Place the TCR filter into the left most filter head and flush (fig. 2). Open the Valve and flush 2 gallons.

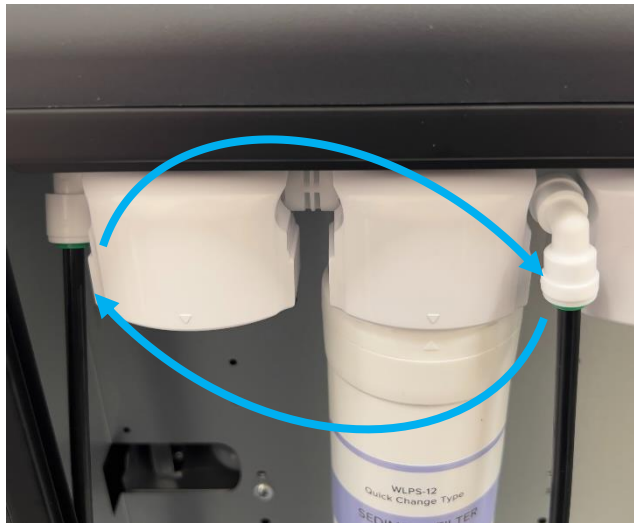
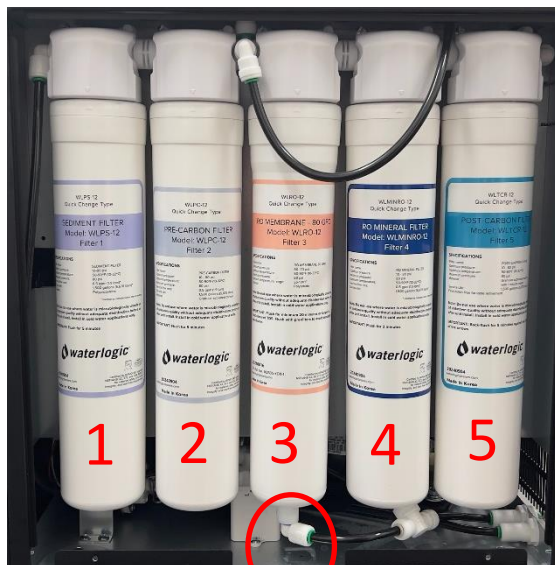


Fig. 1



Fig. 2

11. Once the TCR filter has been flushed, shut off valve, and return all filters to their original positions. Return the water feed line to the left most filter port. Remove the flush line from the port right of the second filter head and return the original tube back to this port. Connect the RO drain line to the bottom port of the RO membrane and install the filter into the middle head. No drain line is used with Micro Filtration configurations.



- Using ¼" LLDPE tubing, connect the RO Drain port (if using RO configuration) on the unit to a drain or bucket. Remove the top cover of the unit by removing the two screws at the back of the panel, then sliding the top cover back and lifting off the unit. Disconnect the line coming from the end fitting of the filter bank, and using ¼" LLDPE tubing, connect that fitting to a drain or bucket.



- Plug the unit into power.
- Open the Valve and allow water to flush through the entire system, for another 2 gallons. Once this is complete, shut off the water, return all plumbing to original configuration, then proceed to installation.