

## **XL1 FILTER FLUSHING PROCEDURE**

It is important to flush all filters inside the XL1 unit prior to installation. This will flush any carbon fines and preservative from the filters and extend the life of the filters as well reduce the potential of blockages and improve the quality of the water. **\*It is recommended to have a readily available drain OR a 5-gallon bucket for the flushing procedure.**

1. **Open the front door of the unit.** Begin by removing the two screws at the back of the top panel. Lift and remove this panel, then set it aside. Looking at the unit from the rear, remove the screw shown at the top left corner of the door. After removing, the door can be swung open.



2. **Hook up water and electrical cable.** The water connections are clearly marked on the back of unit for "Tap Water" and "RO Drain". Using  $\frac{1}{4}$ " LLDPE tubing (black recommended), connect the "Tap Water" connection to the water source, but leave the supply turned **OFF**, and connect the "RO Drain" connection to the locations drain or to a condensate pump that is connected to the drain. Install the supplied power cord to the back of the unit but **DO NOT** connect to power at this time. **\*It is recommended to use  $\frac{1}{4}$ " 90° Stem Adapters on the back of the unit when making the water connections.**



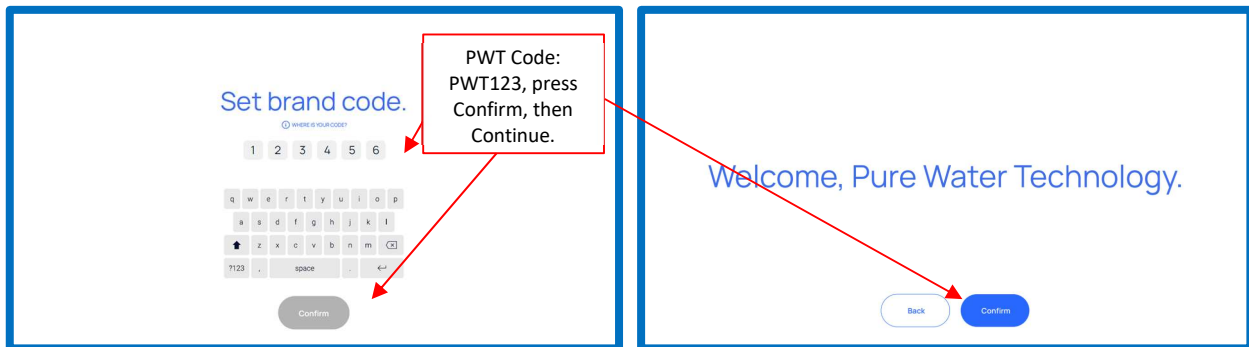
3. **Prepare the RO Filters.** Take new RO membranes and remove any plastic wrap, remove all plugs, caps, and head plugs. Set these aside for now.



4. **Disconnect Power to Booster Pump.** Locate the wire connector circled in **RED** and disconnect. This wire should be hanging just behind the first empty filter head.



5. **Connect to Power and Enter Brand Code.** Once the unit is powered on and the front screen comes online, the unit will give a prompt for a branding code. The branding code for the PWT XL1 is as follows: **PWT123**. Input this 6-digit code into the prompt, then hit "Confirm". A welcome message will appear, press "Continue", and then the main UI screen will come up. This will allow water to flow past the inlet solenoid.



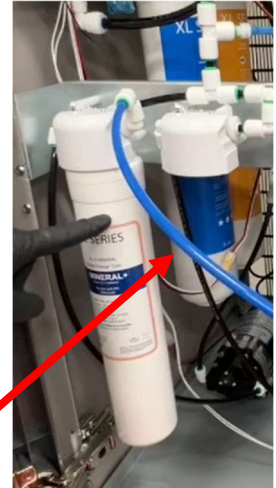
6. **Flush the prefilters.** Disconnect the tube connected to the left side of the first filter head (circled in **RED**). Using a ¼" union, add a length of tubing to reach the drain or a 5-gallon bucket to the end of the tubing removed. **Plug the unit into power.** Turn the water supply ON and allow 2.5gal of water to flush to drain or into the bucket. Turn the water OFF, and then remove the tube extension and return the tubing to its original position.



To Drain

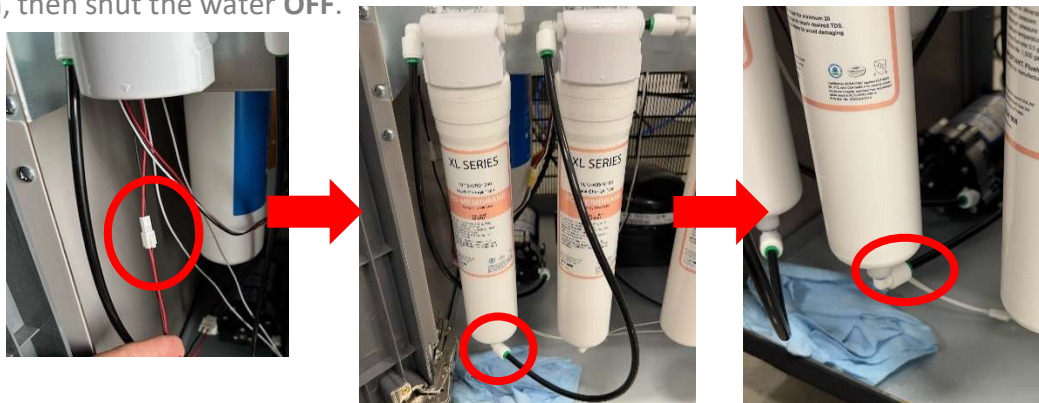
7. **Flush the Mineral+ Filters.** Disconnect the tubing from the **OUT** port (right side) of the first head. Insert a 2ft piece of tubing in its place and run this to drain or a bucket. Remove either of the Mineral+ filters from their heads and install into the first head. Turn the water **ON** and flush 2.5gal to drain or into the bucket. Turn the water **OFF**, return the Mineral+ filter to its original head, then repeat the process for the remaining Mineral+ filter. Turn the water **OFF** and return the last Mineral+ filter to its original head and restore the original plumbing of the out port of the left-most filter head.

To Drain

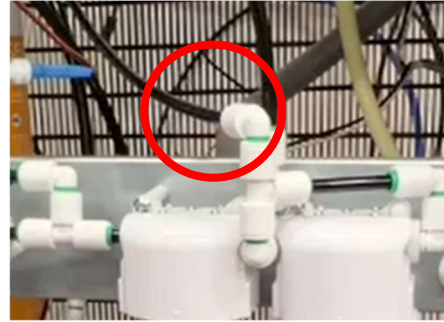


8. **Flush the RO Membranes.** With the water shut **OFF**, disconnect the product line from the fitting circled in **RED** and insert the 2' section of tubing used previously into the fitting, then run this to a drain or bucket. Reconnect the Booster pump wire disconnected earlier, then install the membrane filters into the first and second heads as shown. There are two drain lines that are loose and not connected to anything behind the membranes. The shortest line (connected to the inlet port of the second filter head), connect the loose end to the bottom port of the **FIRST** membrane as shown. Take the second line, which runs to the RO Drain bulkhead, and connect it to the bottom port of the **SECOND** membrane as shown. Turn the water supply **ON**, and allow the unit to produce another 2.5 gallons water into the bucket or drain, then shut the water **OFF**.

To Drain



9. **Reconnect Product line to Tanks.** After the unit has produced the 2.5 gallons of water, all filters have now been thoroughly flushed, and the unit can be allowed to run normally. With the water still **OFF**, return the product line to its previous state, inserted into the fitting after the mineral filters, as seen to the right.



10. **Allow the unit to fill.** Turn the Supply Valve **ON**, and allow the system to begin processing tap water through the RO system and fill the tanks. This can take up to an hour (depending on supply flow).