

# PharMate® SQC Service and Sanitization Procedures

To maintain the integrity of the system we strongly recommend replacement of the Prefilter & Postfilter cartridges every 6 to 12 months. The recommended maximum service life for the RO membrane is 36 months or sooner if the water quality monitor indicates with either orange flash or TDS readout less than 75% removal, depending on monitor type.

## Required Items for the following Procedures:

- Bowl or bucket
- Unscented Bleach
- Safety Glasses
- Eyedropper or Syringe
- Batteries for Monitor

## 1 SANITIZE THE SYSTEM:

- Turn OFF Feed Water Supply Valve located between ¼ feed Elbow and connection to the water source.
- Empty storage tank thru the RO Faucet. Turn OFF both RO Faucet and TANK VALVE once tank is empty. **NOTE:** Slow flow from faucet indicates tank needs air pressure. Using bike pump, inflate tank to increase flow, then adjust to 7 psi once tank is **empty** of water.
- Remove Postfilter and membrane (twist counter-clockwise 1/4 turn); Set membrane aside if it's not to be replaced, otherwise discard.
- Insert NEW Postfilter (47-55710). Insert NEW Carbon Prefilter (SQC3: 47-55706, SQC4: 47-55704) **temporarily** in the membrane position.
- Remove 3/8" tube from Tank Valve (see Fig. 2), shake excess water from tube. Using eyedropper or syringe, insert 10 ml of unscented bleach into 3/8 Tank tube. Reinsert 3/8 tubing into Tank Outlet.
- Open RO Faucet. Turn ON feed water supply and tank valve. Close RO Faucet once water begins to steadily flow through it. Wait 4 minutes to fill tank with sanitizing solution. Turn OFF feed water supply & tank valve.
- CONNECT TANK DIRECTLY TO FAUCET & DISPENSER LINES:** Remove 3/8" tube from Tank Valve. Remove original 3/8" tubing from the FAUCET elbow that feeds the faucet. Insert 3/8" Faucet tube into the Tank Valve. Turn Tank Valve ON. (original 3/8 Tank tube is temporarily disconnected)
- Fill and empty each dispenser twice. Fill each dispenser a third time and wait 20 minutes to allow system to sanitize.** Turn tank valve OFF.
- Open and Close Faucet briefly to relieve pressure. Return 3/8 Tank and Faucet tubes to original positions.
- Inspect 3/8 drain tubing & Drain Line Adapter. Clear debris as needed (prevent Air-Gap leaks).
- Open Tank Valve and Flush remainder of sanitizing solution from tank thru the RO faucet until tank is empty.
- Open the Feed Water Supply Valve for 2 minutes to fill tank with clean potable water for rinsing. Turn Feed water supply valve OFF.
- Rinse 300 ml of water thru Dispenser(s). Drain remaining water from Tank thru RO faucet. Turn Tank Valve OFF.

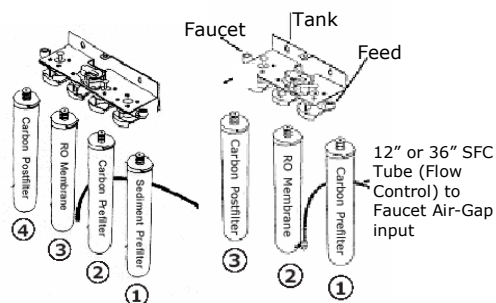
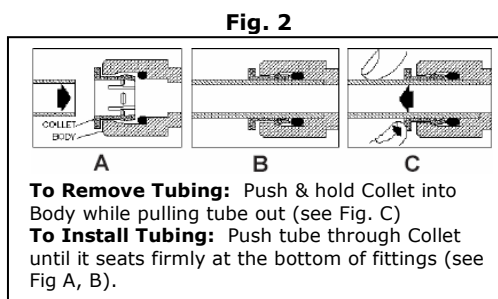


Fig. 1

## 2 FILTER REPLACEMENT:

- Remove OLD Prefilter from SQC3, or both old prefilters from SQC4 and discard.
- If replacing membrane, skip to next step. Re-use of original membrane requires disinfection: Remove NEW Carbon Prefilter (currently installed in membrane port); Shake excess water from center opening of Prefilter into the sink; Inject 2 ml of unscented bleach into center opening of Prefilter (use eyedropper or syringe).
- Insert new filters and membrane into their proper positions. Make sure the correct Red SFC tubing is inserted into membrane drain elbow (12" length for 66-4706G2, 36" length for 66-4703G2).
- Turn ON Feed and Tank valves.
- Update the Service Record label (typically affixed to sink cabinet wall).



## 3 DISCARD FIRST BATCH OF PURE WATER:

After the system has run for 2 hours, fill each dispenser twice and discard water. Empty remaining water thru the RO Faucet. Allow additional 1 hour to partially fill tank for use.

**Storage tank should be emptied through the RO faucet weekly. This water is excellent for drinking, hot beverages and plants – Please Enjoy!**





Customer Service: [rx@freshwatersystems.com](mailto:rx@freshwatersystems.com) Or 864.284.1800