

# Add an Automatic Shut-off Valve to Permeate Pump System

**Important!**

Additional 1/4" O.D. tubing will be necessary to add Automatic Shut-off Valve to existing system. The Automatic Shut-off Valve is designed to shut off the system when the pressure in the tank reaches 60% of the incoming water pressure to the system.

- I. **Turn off Feed Water and Tank:** Turn off system feed water angle valve and tank ball valve. Turn on system faucet to release any pressure still in the system. Once the pressure is released, turn system faucet off.
- II. **Disconnect Tubing:** See Fig. 1. Remove BLUE tubing lock clip and disconnect tubing from RO Membrane Housing inlet (Line E). Remove BLUE tubing lock clip and disconnect tubing from tee-connection on Stage-5 filter (Line F).
- III. **Connect Automatic Shut-off Valve:** See Fig. 2. The Automatic Shut-off Valve needs to be installed at the permeate IN/OUT side of the pump. Connect the tubing from Stage-3 filter (Line E) to the IN port on the Automatic Shut-off Valve. Using additional tubing, connect the Out port on the Automatic Shut-off Valve to the RO Membrane Housing inlet. Connect the tubing from the Permeate Out port on the pump (Line F) to the Automatic Shut-off Valve (Port 1). Using additional tubing, connect the Automatic Shut-off Valve (Port 2) to the Stage-5 filter tee-connection.

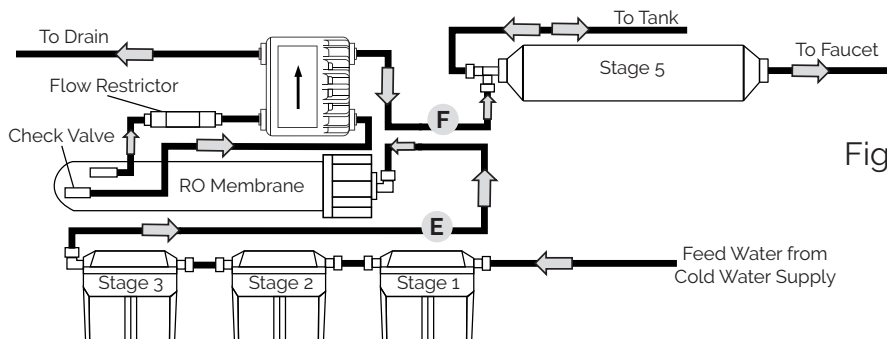


Fig. 1

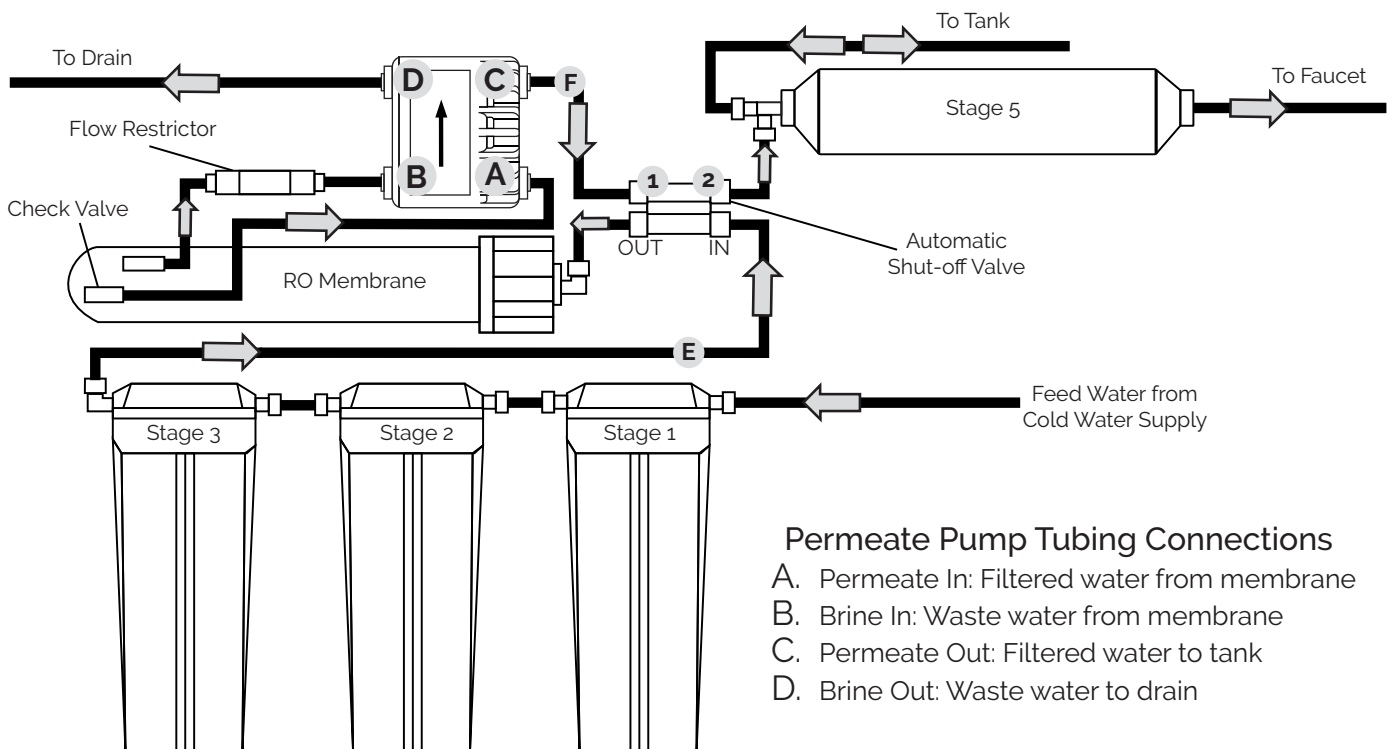


Fig. 2

**Permeate Pump Tubing Connections**

- A. Permeate In: Filtered water from membrane
- B. Brine In: Waste water from membrane
- C. Permeate Out: Filtered water to tank
- D. Brine Out: Waste water to drain