Kemflo RO Booster Pump #92325

Installation Instructions

Please read these Installation and Operation Instructions before installing the Kemflo booster pump. The Kemflo booster pump system enables most RO filtration units to be used anywhere there is electrical power and water. The system was developed for areas where the average incoming water pressure may be below 40 psi. or even from non-pressurized source (tank). The booster pump maintains a high RO feed water pressure, ensuring a consistent production of high quality RO water. The system includes a tank pressure switch, which turns off the booster pump once the storage tank is full. The compact design of the system and minimal connections allows it to be easily installed under a sink. If additional help is needed, please consult the factory.

Operation Instructions

1. Pump should be placed as close to the RO unit as possible. Located in an area that is dry, with ambient temperatures between 40-90°F (5-35°C). Do not subject pump to freezing temperatures while in operation.
2. The Kemflo Booster pump may be mounted in any position. If mounting vertically the pump head should be in the down position so in the event of a leak, water will not enter the motor. A vertical position also ensures air can purge from the booster pump. If necessary, the booster pump may be positioned horizontally.
3. Never operate the pump in a harsh environment or hazardous atmospheres, since motor brush and switch may cause electrical arcing.
4. If there is feed water pressure, the pump will not stop forward flow of water even if the motor is turned off. Be sure the system has positive means of shutting off the water supply.
5. Pump is designed for use with water only. Do not use with petroleum products.
6. The Kemflo Booster pumps are designed for continuous duty. If used for intermittent duty cycle, make sure that “off” periods are greater that 60 seconds.
7. Always consider electrical shock hazard when working with and handling electrical equipment. If uncertain, consult an Electrician. Qualified Electrician per Local and State Electric Codes should only do electrical wiring.

Installation Instructions

Please read the following instructions carefully before starting to install the Kemflo booster pump.

- Determine the optimum location for the pump before proceeding.
- Turn water off.
- When inserting tubing into Quick connect fittings, be sure tubing is inserted past the resistance point until it bottoms out against the port stop

1. Connect the incoming water source tubing (we recommend use of ¼” or 3/8” flexible tubing with proper pressure rating) to the “INLET” port on the pump. Manifold type RO’s will have the tubing run from the outlet side of the pump to the “Pre” filter inlet fitting. See figure 1.

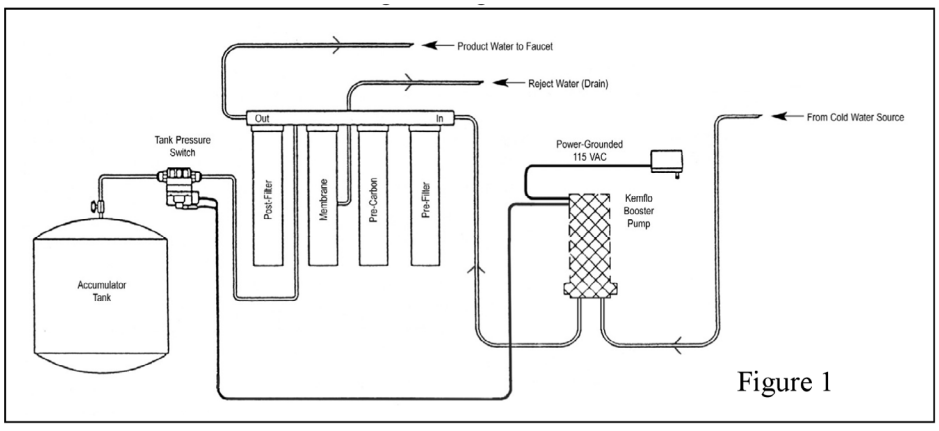

Figure 1

2. When installing the Kemflo booster pump on a generic RO system the pump will be installed between the “Pre” and “Post” filters. Connect the incoming water to the inlet port of the “Pre” filter. Connect a new piece of tubing from the outlet port of the “Pre” filter to the inlet port of the Kemflo booster pump (we recommend use of ¼” or 3/8” flexible tubing with proper pressure rating). Tubing from the outlet port of the booster pump to the inlet port of the “Pre” carbon. See figure 2.

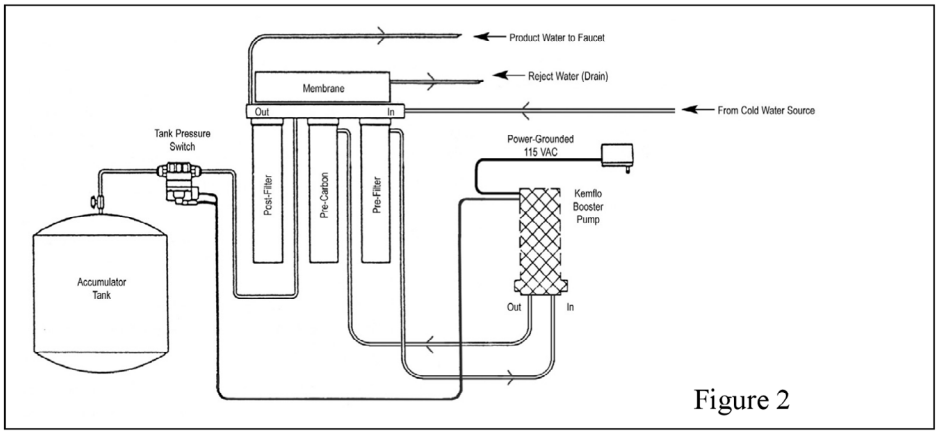

Figure 2

3. Install pressure switch between RO unit and pressure tank.
4. The Kemflo booster pump is now ready for operation. Open feed-water valve to allow water to flow through the RO system.
5. Plug the transformer in. Allow water to circulate, purging any entrapped air.
6. The Kemflo booster pump will now start building pressure. Operating pressure will vary with membrane flow rate, flow restrictor flow rate, feed-water pressure and line voltage. Check for fitting leaks.

Note: 9, 25, 45, 50 and 75 GPD Ro systems we recommend using the Kemflo 92325 booster pump.

Service tips:

Check system against operating standards - Yearly.
Replace diaphragm and check against operating standards – Every 2-3 Years.

Warranty

Kemflo warrants this series of pump to be free of defects in material and workmanship under normal use, for one (1) year, with proof of purchase.

This is a Limited Warranty. It covers the product only and the extent of the coverage is limited to the cost of the product. As the manufacturer has no control over shipping, handling and installation, the warranty cannot cover water damage, or any other damage, caused by a leak or other malfunction.

This warranty is in lieu of all other warranties, expresses or implied, and no person is authorized to give any other warranty or assume obligation or liability in Kemflo’s behalf. The manufacture shall not be liable for any indirect, incidental or consequential damages of any kind incurred by the reason of the use or sale of any defective product and part.