

TV-2000 QUICK INSTALL INSTRUCTIONS

1. Mount or place the TV-2000 unit at the desired location. Install the 4 machine leveling feet in the frame bottom and level unit or the caster option was ordered, install the 4 casters in the white channel frames..
2. Provide feed water. The TV-2000 requires at least 3 GPM flow at 25 psi minimum on the feed water supply. Plumb the feed to the 3/4" FEED inlet of the prefilter unit. If feasible, install a ball valve on this feed line to facilitate future filter element or TV unit servicing.
3. Plumb 1/2" tubing from the PRODUCT connector at the lower rear of the frame to the product water storage tank. The product water tubing should enter the tank at or near the tank top. If the product tubing is plumbed to the bottom of the tank or if the product water output plumbing is arranged so that back pressure occurs when the R.O. system is not running then a check valve must be installed in the product tubing to prevent backflow towards the R.O. system during off periods.
4. Plumb 1/2" tubing from the DRAIN connector at the lower rear of the frame to a convenient waste drain. Local plumbing codes may require use of an air gap for such drain connection. If so, consult a local plumbing service for the proper drain connection arrangement.
5. Connect the wires hanging below the control panel to the product water storage tank float switch. This needs to be a switch that presents closed contacts when water is needed and open contacts when the tank is at full level. **DO NOT CONNECT ANY POWER TO THESE WIRES - THEY ARE FOR SWITCH LOGIC ONLY.**
6. Open the BRINE control knob full counter-clockwise and close the RECIRC knob full clockwise.
7. Apply feed water pressure to the system prefilter. Check for leaks at all tubing connections.
8. Check the power specification given in the unit label and on the power cord red tag. Plug in or connect the correct AC electric power to the TV unit.
9. Place the OFF-POWER-On switch at ON. The digital indicator should light and after a 10 to 15 second delay the pump should start. If the unit does not start and indicates a low feed pressure alarm or if it starts and stops continuously, the feed water plumbing may be inadequate for the pressure/flow requirement of the TV unit.
10. When air has cleared through the BRINE flow meter slowly open (turn counter-clockwise) the RECIRC control knob until the RECIRC flow meter indicates about 3 GPM flow. Then slowly turn the BRINE control knob clockwise until the VESSEL IN pressure gauge indicates 150 psi. At this point the BRINE flow meter should indicate BETWEEN 1 TO 2 GPM. If not, adjustment of the RECIRC and BRINE controls in coordination - while maintaining 150 psi VESSEL IN pressure, should bring the BRINE flow to between 1 and 2 GPM. **DO NOT OPERATE THE SYSTEM WITH BRINE FLOW LESS THAN 0.8 GPM OR MEMBRANE DAMAGE WILL OCCUR.** Refer to the Production Test sheet at the rear of the manual for typical flow and pressure settings.
11. At this point the TV system should be operating normally. When the product water tank reaches full level the TV will shut down. When the tank level drops to the low level point the system will re-start.

Refer to the instruction manual for additional operating procedures.