

LANCASTER®

WATER TREATMENT

7-TFC-50

INSTALLATION, OPERATING AND SERVICE MANUAL



Congratulations on purchasing your new **Lancaster Reverse Osmosis System**. This unit is designed to give you many years of trouble free service. When installed in accordance with the following instructions and if given reasonable care, better water quality will be the result. For servicing and future inspection purposes, please file this booklet with your important documents.

INSTALLATION INSTRUCTIONS

- 1) Place the filters in the unit. (Some units come with the filters installed, others have a bag with the filters in them.) The white sediment and carbon filter should be put in the vertical 10" housing. The membrane should be placed in the horizontal housing with the O-rings inserted first.
- 2) Locate cold water line under the sink.
- 3) Assemble saddle valve on cold water line. Turn the pipe clamp adjustment plate to fit the contour of the pipe. Tighten the bolt so the saddle valve is attached firmly to the pipe.
- 4) Drain saddle. Clamp drain saddle securely, approximately 6 inches above P-trap. Drill a hole through one wall of pipe at opening of saddle valve.
- 5) Faucet hole in sink. The faucet must be positioned with aesthetics, function and convenience in mind. Ample flat area is required for the faucet base, so the base nut can be tightened. Conditions may be present that would eliminate the need to drill a hole.
 - A. A hole previously drilled, covered by a chrome hole cover. Remove the cover and install faucet.
 - B. A spray hose that is either not functioning or not desired. Remove the spray hose and plug the outlet under the main faucet. Install faucet.

Sink drilling. The sink drilling process requires a certain amount of caution and forethought. Porcelain enameled sinks can be chipped if care is not exercised. Here are two suggested methods.

I. Drill carefully using a high speed drill and a 7/16" carbide tip drill bit.

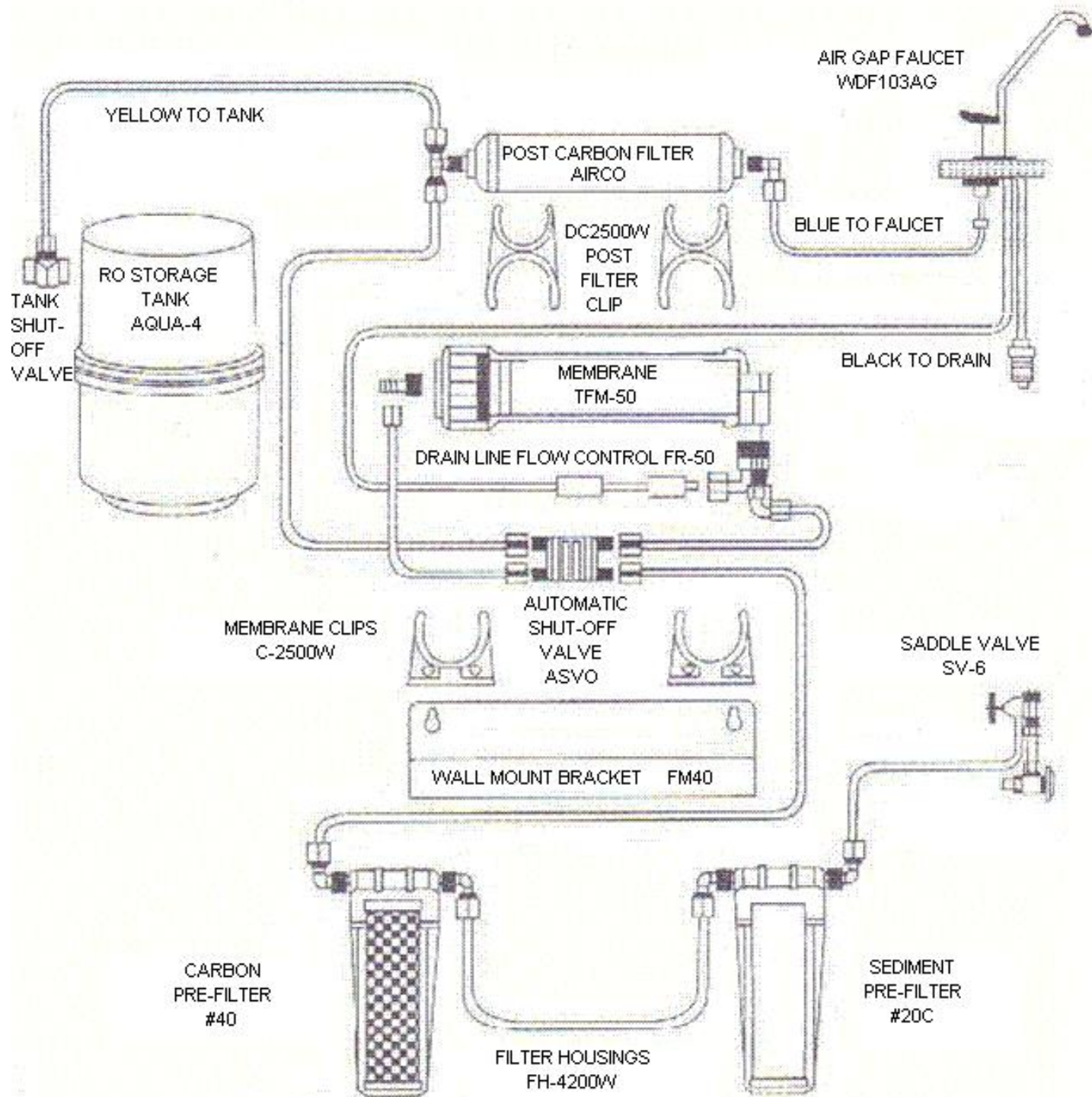
II. Using a carbide grinding wheel, grind away the porcelain where the 7/16" is to be drilled. Drill a 7/16" hole through the metal.

CAUTION: Do not allow metal shavings to remain on the porcelain surface of the sink for any length of time. The metal chips will stain the sink and are hard to remove.

- 6) Faucet installation. Remove parts from faucet package. Place chrome plate, then large rubber washer on faucet stem. Slide stem through hole in sink. Place large washer, lock washer and nut on stem and tighten securely.
- 7) Attach product line to faucet. Place brass nut over tubing. Place plastic ferrule on tube. Insert plastic tube support. Secure nut to base of faucet, making sure tube does not slide out.
- 8) An air gap is provided for in the base of the faucet. Do **NOT** connect the system drain line to the dishwasher drain or near the garbage disposal. Backpressure from these units may cause the air gap to overflow.

Attach black drain line to the 3/16" hose barb on faucet.
Connect the black drain tubing which is shipped loose in the box, to the 1/4" hose barb on the faucet by firmly pressing over the barb. Allow the tubing to relax, then press firmly again to insure proper seating. Attach other end of drain tubing to the drain saddle.
- 9) Attach supply line to saddle valve using #7.
- 10) Screw ball valve onto tank and attach tubing.
- 11) Turn supply saddle valve closed tightly to pierce pipe. Open slowly to make sure fittings are secure. Open valve completely and check for leaks.

NOTICE: Your new equipment is shipped with food quality preservatives. These should be flushed before use. Do not drink the first tank of water. Although it will not hurt you, it will taste bitter. Your new unit takes several hours to reach its maximum pressure. The unit should be checked periodically for leaks during this time. After 6 hours of use the tank should be drained completely. To drain the tank simply turn faucet on and allow to run until water only comes out at a steady drip, or about five minutes. Turn the faucet off and allow sufficient time for the tank to refill.



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1 YEAR LIMITED WARRANTY

LANCASTER, warrants your under sink Reverse Osmosis drinking water unit, to be free of defects in material and workmanship, for a period of one year, under normal use, within the operating conditions listed below. To resolve any warranty problems, you must first contact your local dealer, they in turn will contact the factory.

Upon proof of purchase, *LANCASTER*, will repair or replace, at the factory, the Defective part or unit, and return it to your local dealer. Freight to and from the factory is to be paid by the buyer. The Pre and Post filter cartridges are warranted for manufacturers defects only and not for taste and odor problems. The membrane is warranted separately as stated below. Any accessories, such as pumps and motors, shall be warranted by the manufacturer of these parts.

The **REVERSE OSMOSIS MEMBRANE** will be warranted for a three month shelf life and a twelve month in use period, for a total fifteen months under the manufactures warranty. Warranty begins from the date of purchase from the manufacturer. Membrane is warranted against defects when used under standard Operating conditions. Membranes sent for review will be sent to the manufacture of said element for review.

Membranes must be kept moist at all times. Defective membranes must be returned in a sealed bag and kept moist with an appropriate preservative solution or R.O. water. **Membranes returned dry, opened, or improperly packaged can not be evaluated for warranty and will be returned to the sender at your expense.**

Standard Operating Conditions

Membrane type TFM

Maximum feed water pressure 100psi

Water temperature 40-100°F

TDS 2000ppm

pH 3-11

Hardness 10-12 grains

THERE ARE NO OTHER WARRANTIES EITHER EXPRESSED OR IMPLIED AND THERE IS NO LIABILITY FOR CONSEQUENTIAL DAMAGES OF ANY NATURE OR KIND.

SERIAL#