

CONNECTING THE TUBING :

- A. feed water in
- B. Sink top faucet
- C. Drain clamp
- D. Storage tank

START UP PROCEDURE :

With everything connected. Turn on the water for leak checking

1. Make sure the storage tank shut-off valve is "OFF". Open the sink top faucet.
2. Within a few minutes (up to 15) the water will start to run from the faucet slowly.
3. Let the water run for at least 30 minutes. This flushes the carbon filters on first time use.
4. After initial flushing, open the shut-off valve on the tank and close the sink top faucet.
5. Tank will now fill with water purified (Usually 2 to 3 hours) After the tank has full (you will hear no water running to the tank) open the sink top faucet and drain all the water until the storage tank is empty and there is only a small flow from the sink top faucet

Do not drink the water from the first tank produced by your newly purchased system or newly replaced membrane. If the system is only used infrequently. Drain the tank at least once a week.

6. Check for leaks daily for the first week and periodically thereafter.
7. Close the sink top faucet. The system is now ready to serve.

TROUBLESHOOTING

Low or slow water production

This might be caused by low water pressure ,crimps in tubing, clogged pre-filters ,or afouled membrane.

- If the water pressure is above 50psi, first try re-tapping the tap supply line by tightening the self-piercing valve clockwise until it is fully seated ,then turn it counterclock -wise until it stops ,This-should open enough space in the line for proper water flow,
- If there are crimps in the tubing ,straighten or repair them as necessary.
- If the pre-filters are clogged ,they will need to be replaced
- If the membrane is fouled ,it will need to be replaced

Milk colored water

This is caused by air in the system ,This is a normal occurrence with the start-up of a Reverse Osmosis System ,The milky look will disappear with normal use during the first 1-2 weeks ,This condition can also happen after filter changes ,but can usually be resolved by draining the tank 1 or 2 times,

Leaks from unit or filter housings

- Leaks can be caused by loose fittings ,a missing ,damaged ,or improperly seated o-ring ,or an improperly inserted plastic on the fitting.
- If the fittings are not tightened ,then carefully re-tightened the fittings.
- If the o-ring is missing or damaged then contact a dealer for a replacement.
- If the o-ring is out of round ,make sure the o-ring is properly lubricated and inserted into its housing before replacing the housing.
- If the plastic ferrules are inserted backwards , remove and re-orient them, making sure the tapered end points toward the valve.

Annual sanitization procedure

Yearly sanitation is recommended on all of our RO systems. The best time to do this is when you change filters . Drain the system , including the tank , then disconnect the tubing from the shut -off valve to the tank. Put approximately 1/4 to 1/2 teaspoon of Hydrogen Peroxide or common household bleach into this tube. If you use an eyedropper , this will be easier . Reconnect the tube to the shut-off valve and follow normal start - up procedures , including draining the tank.

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INSTRUCTION MANUAL

R.O.WATER SYSTEMS



REVERSE OSMOSIS

Please read these instructions completely before operating the unit

5 STAGE R.O.SYSTEM

5 STAGE FILTERS –	<ol style="list-style-type: none"> 10" 5 micron Pre filter. 10" Carbon filter 10" 1 micron Sdiment or Crbon or Crbon Block (Option) RO membrance 50 GPD / 75GPD Post Carbon Filter
CAUTION : Change filters regularly edvery 1-3 months (post carbon filter each year) and have the membrane checked annually. Please contact with your service men	
Booster Pump	With a transformer, available in 220V/24VDC

INSTALLATION INSTRUCTIONS

PREPARATION FOR INSTALLATION :

- Feed water can't be hot. It'll damage the RO membrane
- The perfact range of feed water pressure is between 5-25 psi.If the feed water pressure is higher than 3.0 Kg/cm2 /40psi, please install the pressurereduced valve or take off the booster pump. Otherwise the high water pressure may result in the leakage or break down.
If the feed water pressure is lower than 0-0.3Kg/cm2 /0-5 psi you have tp wider the tube or shorten the length of the pipe to help the pump run normally. Otherwise, it may result in the reduction of the production rate & percent rejection, the pump may break down more easily, because it's more difficult for the pump to deliver water.
- Avoiding to install the purifier at the place where is damp, low temperature (<4°C) or high temperature (>40°C)
- The storage tank can be placed on its side without affecting the performance of the system. If there is insufficient room under the sink, the tank may be located in an adjacent cupboard.

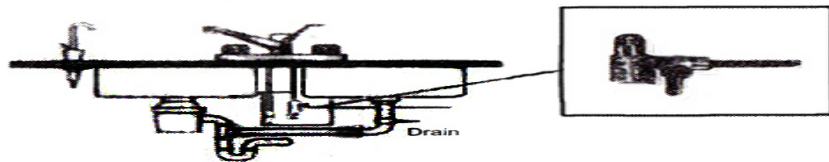
INSTALLATION OF WATER SUPPLY CONNECTOR :

A- Water Supply Connector 1/2" MIP x 1/2" FIP (L : 36 m/m)

B-Deliver – Ball Vavle 1/4"MIP x 1/4" OD 1/4"



Assemble the water supply connector by inserting the Deliver-ball valve Screw the de liver-ball valve into the side of the water supply connector using 3 to 4 wraps of teflon tape.



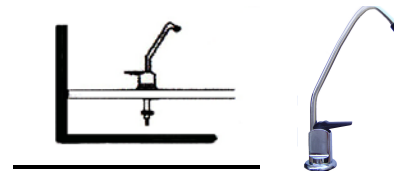
INSTALLATION OF WATER SUPPLY CONNECTOR

Disconnect the water supply line from the feed water faucet underneath sink. Attach and tighten water supply connector as sembly being careful not to

FAUCET INSTALLATION

- Using 1/4" drill bit, drill a 1/4" hole through the base metal. Operate the drill slowly and carefully, especiallywhen the drill isabout to penetrate the metal. Pf necessary use two drop of oil in the hole
- Repeat step 1. Using the 1/2" drill bit. Mount te faucet in the hole and using an indjustable wrench (or hand) to hold the faucet.

Tighten the 9/16" nut....If it is not available to drill a hole, you may use a faucet – bracket instead.....



STORAGE TANKL INSTALLATION :

- Hand tighten plastic ball valve to tank (Firm but not over tight.)
- Tank should come from the factory with 8 to 14 lbs / psi of air when measured empty .

FILTER CHAGING :

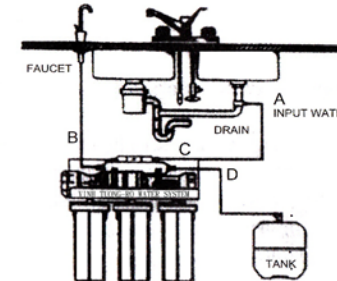
Before starting,. Shut off “ feed water in” to unit, lift the handle on the RO faucet to drain out the storage tank completely and allow the system to stand for 10 minutes in order to fully decompress the tank. Some of the R.O.Water should be saved in a pitcher or clean bucket for cleaning and rinsing.

<1>. FILTER CHANGE PROCEDURE :

- Remove pre-filter housing by twisting and rotating them left or counterclockwise. If the housing is too tight.
- A filter wrench may be necessary.
- Slide out used filters and discard, but save o-rings for re-use.
- Wash out inside of all housings with a mild soap solution and then rinse with R.O.Water.
- Lube o-ring with a water sobuble lubricant and replace in groove in groove in filter housing
- Insert new filters into appropriate housing
- Follow the normal start – up procedures

<2> MEMBRANE CHANGE PROCE DURE

MEMBRANE HOUSING



- A. feed water in.
- B. sink top faucet.
- C. drain clamp.
- D. storage tank.

- Disconnect the tube from the membrane housing
- Unscrew the large end of the membrane housing
- Slide out the used membra and discard
- Clean and fluch out the inside of the menbrane housing using R.O.Wster
- Insert new membrane. Making sure it is fully seated into the bottom end
- Screw cap back onto the housing, making sure o-ring is still in place, The o- rings may need to be lubricated bbwith a water soluble lubricant
- Re - connect the tube

ORIGINAL PACKAGE IS TO PREVENT MEMBRANE DAMAGEDDURING TRAN – SIT