

## **FILTER MAINTENANCE AND CHANGE INSTRUCTIONS:**

This recommendation is intended for maximum efficiency of RO water production by your system.

### 1, Filter Maintenance

- a, It is OK to put pre & post filters of the shelf for several years.
- b, Keep the sealed, non-opened filter in an air tight container to prevent it from absorbing contaminants from the air.

### 2, Membrane Maintenance

- a, The dry packed membrane usually has a two-year shelf life. To prolong the shelf life, we recommend you keep the non-opened dry membrane in the refrigerator.
- b, Once being used, we recommend you run the RO system every day, at least 10-15 minutes (about 1 gallon or 4 litres drinking water.) This helps to maintain the membrane performance.
- c, If the RO system is not used for a few weeks, drain the storage tank. To bring the unit into service fill the tank and drain it twice, and allow to refill. Your RO system will then be ready to reuse.

### 3, Filter & Membrane Change Procedures:

- a, Shut off the water supply.
- b, Turn off the tank ball valve by turning the handle through 90 degrees.
- c, Open the tap fully for continuous flow.
- d, Slide the housing wrench in (bowl spanner) over the filter bowl. Use one hand to hold the system and the other hand to turn the wrench clockwise to separate the head from the bowl.

**NOTE:** IF IT IS TOO TIGHT TO OPEN THE HOUSING YOU MAY TRY TO UNPLUG THE FITTING BETWEEN THE RED TUBING AND THE SYSTEM IN ORDER TO REDUCE THE AIR AND WATER PRESSURE INSIDE THE HOUSING.

- e, To change the sediment cartridge and the pre-carbon cartridge you need to open the clear and opaque housings, remove the used filters and put the new filters into the housings. The **Sediment Pre-Filter** and the **Carbon Pre-Filter** can be installed either way up. Make sure the O-rings are in place and smear a little petroleum jelly on the O-rings. Replace the filter bowls and tighten by turning the bowl anti-clockwise.
- f, The **Carbon Post-Filter** must be installed the correct way. Please follow the flow direction indicated on the cartridge. Remove the existing cartridge by disconnecting it from the threaded or speedfit connectors. Pull the cartridge gently to remove from the holding brackets. Discard the used cartridge. Place the new cartridge over the holding brackets and push gently into place. Re-attach the threaded/speedfit connectors.
- g, Turn on the water supply and make sure there are no leaks.
- h, Let the water drip from the tap for about 10 minutes. If the water flow is less than 1 cup (8 oz or 240 ml) per minute, it may be a signal to change the membrane.

### i, Membrane Change Procedure:

- Shut off water supply.
- Unscrew the cap of the membrane housing.
- Slide out the used membrane and discard. (You may need thin nosed pliers to grip the membrane spigot.)
- Insert the new membrane with the 2 O-rings into housing first with the black brine seal at the open end of the membrane housing.
- Be sure it is fully seated into bottom end.
- Screw cap back on to the membrane housing, make sure O-ring is still in place.
- Turn on water supply & check for leaks.
- It may take 10-20 minutes for new membrane to run to normal flow.

Carry out system start up procedure.