SQUARE REVERSE OSMOSIS INFORMATION GUIDE

Reverse osmosis is a well-known water filtration innovation that uses a semipermeable membrane to remove molecules, ions and larger particles from drinking water. Effectively reduces Chlorine, Taste, Odours, Heavy Metals, Fluorides, Chloramines, Parasites, Bacteria, Viruses, Herbicides, Chemicals, and more contaminants.

SPECIFICATIONS

Dimensions
400 W x 290 H x 200 D mm
Flow Rate
16 L/H
Connects To:
Cold Water Line
Operating Pressure:
8.6 Bar
Operating Temperature
2°C - 37°C

1st Stage

NSF Certified Sediment Filter

For removal of dirt, sand, rust, dust, silt and algae.

2nd & 4th Stage

Made in USA NSF Certified Carbon Filter

For reduction of chlorine, and other chemicals. Protects the membrane.

3rd Stage

Made in USA Dupont Filmtec Reverse Osmosis Membrane

Repels heavy metals. Removes Fluorides. Hardness and Salts.

5th Stage

Inline Alkalising/ Mineralising Filter

Raises the pH level of the water and adds minerals such as Calcium, Magneisum and Potassium.

Every year 1st, 2nd and 4th Stages should be replaced. However, replacement frequency depends on water quality and usage.

ADDITIONAL INFORMATION

Thank you and congratulations on your Reverse Osmosis purchase.

Filtration Process:

Stage 1: Features a sediment filter that removes dust, dirt, sediment, rust and sand.

Stage 2: Features a carbon filter that removes Herbicides, Pesticides, Chlorine and Organic Chemicals to protect membrane.

Stage 3: Features an Ultrafine TFC RO Membrane that acts as a barrier to all salts and inorganic molecules, as well as organic molecules. It is, therefore, the most effective process for removing contaminants such as fluoride, heavy metals, such as lead, mercury, copper, arsenic, aluminium, cadmium, and other pollutants of concern like pesticides, silica, hardness and salts.

Stage 4: Features a tank that fills up with water coming from the membrane at a flow rate of 16 L/H. This tank allows you to have up to 150 litres of water instantly* dependant on tank capacity. Standard being 8 litres.

Stage 5: Features a carbon filter that removes any taste left behind in the water and provides outstanding bottled-like tasting water.

Stage 6: Features an alkalising filter that raises pH levels along with producing antioxidant and oxygenating qualities.

Optional:
- Installation $147
- If drilling through stone is required an extra $50 will be charged for the drill bit and insurance fee.

Note: Installation Service is only available for Perth Region*

Upgrades:
- Reverse Osmosis Storage Tank 12L or 18L

What's included?
- 5 Stage Filtration system
- 1 x NSF Certified Sediment Filter
- 1 x Made in USA Carbon Pre-Filter
- 1 x Made in USA Filmtec Membrane (MEM-75GPDFLMTC)
- 1 x Made in USA Carbon Post-Filter
- 1 x Alkalising Filter (IL-1125BB-ALK)
- 1 x Mains Connector
- 1 x 1/4" Food Grade White Tube
- 1 x 1/4" Food Grade Black Tube
- 1 x 1/4" Food Grade Blue Tube
- 1 x Pressure Gauge
- 1 x Drain Clamp
- 1 x Standard Reverse Osmosis Tank 8L

Water Quality Association
5 YEARS WARRANTY
WaterMark NSF

SQUARE REVERSE OSMOSIS MAINTENANCE PROCEDURE

To order cartridge replacements or service, please contact our sales team at (08) 6156 0220 or email us at sales@waterfilter.com.au.

SEDIMENT FILTER AND CARBON FILTERS SERVICE (Every Year)

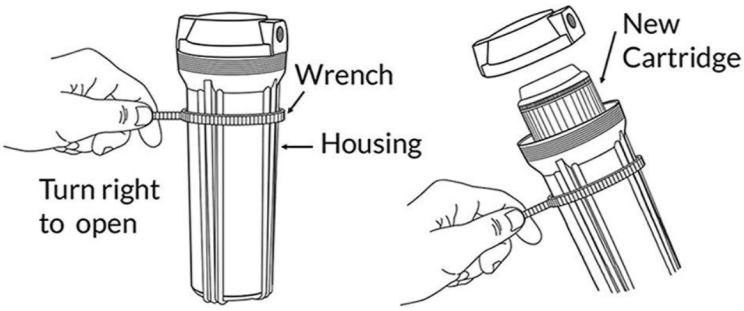
1. Locate your isolating valve connected to your cold-water supply. Turn isolating valve OFF.
2. Locate the tap on top of you tank. Turn the tap on top of your tank OFF. Go to your drinking faucet and open the tap to release the pressure.
3. Open the housings/casings: Slide the spanner underneath the the first housing (with sediment label) and twist the housing counterclockwise. Once is unlocked, unscrew the housing using both hands.

Note: Be careful as the housing will be full of water and quite heavy.

4. Remove the housing, take the old filter cartridge out and empty the housing.
5. Remove the plastic/packaging from the new filter cartridge and drop the new filter in the housing.
6. Screw in the filter housing using both hands and tighten it with the spanner.

Note: Do not over tighten them or they will be hard to unscrew next time.

7. Repeat the same process with the other filter housings.
8. Once your have replaced the sediment filter and the carbon filters, you can open the isolating valve and the tap on top of your tank.



MEMBRANE SERVICE (Every 3-4 Years)

Disengage tubings from the membrane housing cap.

1. Disengage the housing and locate your membrane spanner and open the Membrane Housing. Membrane housing cap can be unscrewed by hand.

2. Remove the cap on the membrane housing and by using a pair of needle nose pliers remove the membrane with a twisting motion and discard the Membrane.
3. To connect the new filter membrane, remove membrane packaging, only remove the outer shrinkwrap packaging, DO NOT remove any other packaging from the membrane.
a. When installing the new membrane, please double check that the new membrane and the old membrane have the same specifications (part number).
4. Check the flow arrow in the new membrane and place the new membrane in the position as the previous membrane was.
5. Once the membrane is in the right position, INSERT THE NEW MEMBRANE
6. To make sure the membrane housing is fully sealed, you may use plumbers' silicone grease to lubricate the O-ring and the main seal. Screw in the membrane housing cap, and engage the membrane housing to the system. Then, connect the tubing. Push the tubes as far as they can go.
7. The process of flushing the membrane takes a bit more time. Turn on the water supply and the RO tank, allowing the system to refill it. Wait about two hours, then turn on the faucet letting the air out of the system and flushing the membrane. Repeat the flushing process at least one time, waiting at least 2 hours between each procedure.

"To do any service in your water filter system. First shut off the water going into the RO system, shut off the reverse osmosis tank and open the filtered drinking faucet to release the pressure."

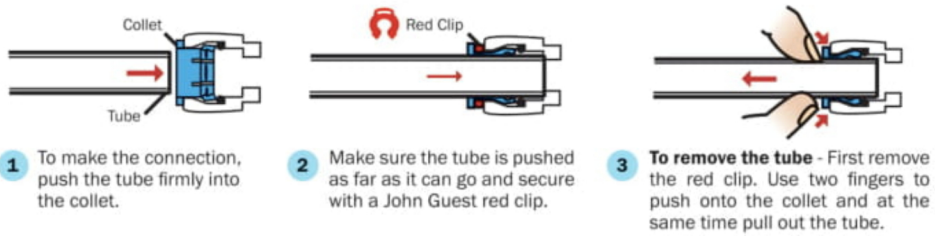
PROCEDURE

ALKALISING INLINE FILTER SERVICE (Every 2 Years)

1. Locate your isolating valve connected to your cold-water supply. Turn isolating valve OFF.
2. Locate the tap on top of you tank. Turn the tap on top of your tank OFF. Go to your drinking faucet and open the tap to release the pressure.
3. Locate the filter cartridge to be replaced, and disconnect the hoses connected to that filter.

Note: Before disconnecting please check the flow arrow and specifications in the current filter to place the new filter in the correct position.

4. To disconnect the hose/tube, first remove the red clip. Use two fingers to push into the collet and at the same time pull out the tube. Repeat the same process to disconnect the hose at the other end of the filter cartridge. Then, remove and dispose the filter cartridge.



5. To connect the new filter cartridge, remove any protection that the filter may have at the ends.

Note: When installing the new filter, please double check that the new filter and the current filter have the same specifications (part number).

6. Check the flow arrow in the new filter and place the new filter in the position as the previous filter was. Once the filter is in the right position, push the tube as far as it can go and secure with a John Guest Clip.
7. Repeat the step 6 to connect the other end of the new filter cartridge.Repeat the same process for any filter cartridge replacement.