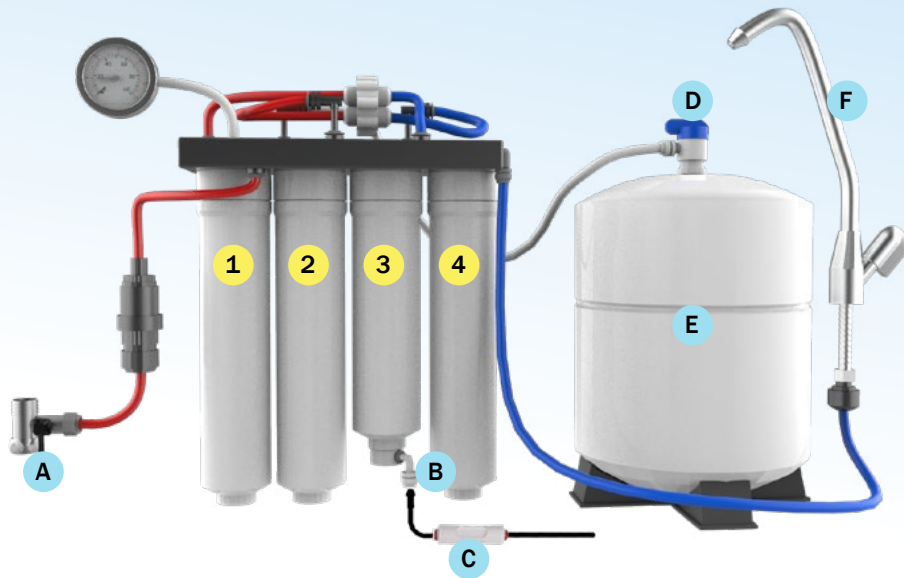


Ultra High Purity Reverse Osmosis

Step by Step Maintenance

PLEASE READ CAREFULLY BEFORE ATTEMPTING MAINTENANCE

System Assembly Diagram 1



Labelled Components

- | | |
|---|---------------------------------------|
| 1 | Sediment Filter <i>Made in USA</i> |
| 2 | Carbon Pre-Filter <i>Made in USA</i> |
| 3 | RO Membrane <i>Made in USA</i> |
| 4 | Carbon Post-Filter <i>Made in USA</i> |
| A | Feed Water Valve |
| B | Stem Elbow |
| C | Inline Flow Restrictor |
| D | Storage Tank Tap |
| E | Pure Water Storage Tank |
| F | Pure Water Faucet |

Replacing Your Quick Change Filters

Before attempting maintenance please ensure you have switched off the feed water to your system.

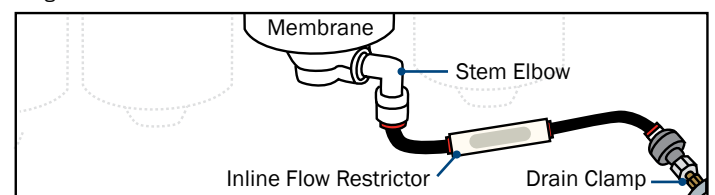
1. Turn off storage tank tap.
2. Taking note of the direction indicated on the filter label, unscrew the Sediment Pre-Filter and dispose. Re-install the new Sediment cartridge by inserting it into the same position.
3. Taking note of the direction indicated on the filter label, unscrew the Carbon Pre-Filter and dispose.
4. Unscrew the Carbon Post-Filter and re-install it into the position of the Carbon Pre-Filter. *The Carbon Post-Filter has only been used as a polishing filter, hence it can be re-used as the Carbon Pre-Filter.*



Please ensure the yellow dust plug in the head of any new filter cartridge is removed before installation.

5. To replace the RO Membrane* first remove the stem elbow (with black tube remaining inserted) from the base of the membrane. Unscrew the membrane and dispose. To install the new membrane, insert it into the same position and re-attach the stem elbow to base.

Diagram 2



7. Install the new Carbon cartridge into the Carbon Post-Filter position.
8. Turn the feed water valve on. After an hour, turn on Storage Tank Tap. Lastly, open the Pure Water Faucet and allow to run for a few minutes to flush the system. Dis-colouration and aeration may occur - this is normal and occurs when the non-toxic carbon fines and oxygen are flushed from the new cartridges.

* Depending on water quality and usage, your RO Membrane should last 3-6 years. Your pure water quality can be tested with a conductivity meter measuring total dissolved solids (TDS) from the pure water outlet.

Ultra High Purity Reverse Osmosis

Replacing the O-Rings within Quick Change Cartridges

Removing O-rings with a **sharp** tool can damage the O-ring and/or it's groove within the head assembly, which may cause leaking.

It is essential that O-rings are maintained and/or replaced periodically to avoid leaks. Within a Quick Change head assembly there are two O-rings.

To Remove O-Ring **A** :

1. Insert a soft material/blunt tool between the inside of the O-ring and it's groove.
2. Slide the tool around the inside of the groove, causing the O-ring to pop up. If necessary, hold a side of the O-ring to prevent it revolving within the groove.

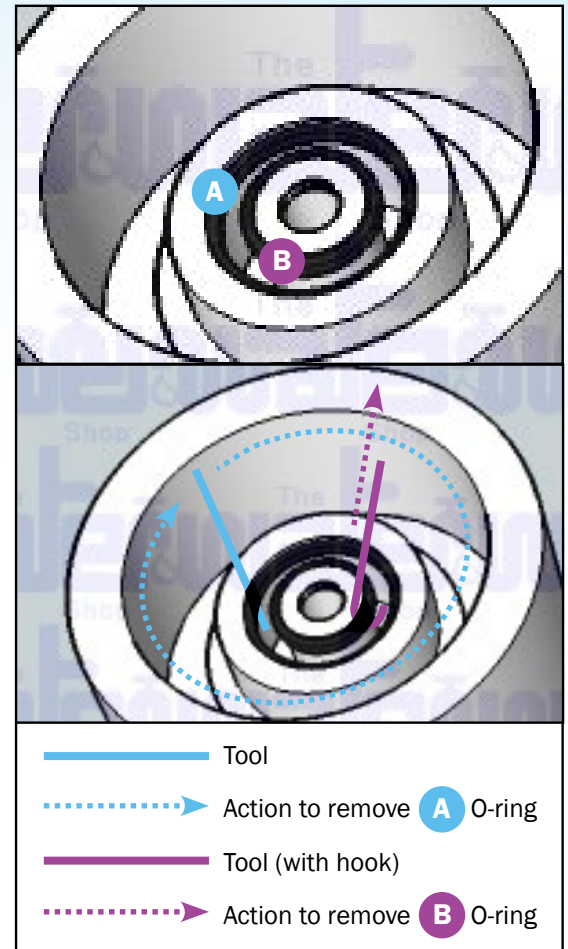
To Remove O-Ring **B** :

1. Using a soft material/blunt tool preferably with a form of hook, insert the tool between the inside of the O-ring and it's groove.
2. Hooking the O-ring with the tool, pull the O-ring up and out of the head assembly.

To Re-Use and/or Replace the O-Ring:

1. Carefully inspect the O-ring and clean; wiping gently with a lint-free material.
2. Lightly lubricate the O-ring with a fine coat of silicone grease or olive oil.
3. Push the O-ring back into it's groove. Using your finger or the blunt tool, run over and around the O-ring, ensuring it is sitting flush within it's groove.

Diagram 3



Available extra for the Ultra High Purity Reverse Osmosis Leak Stopper & Filter Life Monitor

Leak Stopper - When moisture is detected by the metal contacts the alarm is triggered and the unit activates the solenoid valve to shut off the water supply to the appliance. The Leak Warning indicator will continuously blink blue. The alarm will continue to sound until the unit is manually reset. After resolving the leak, press and hold the reset button for 4 seconds - the unit will then generate a long "beep" sound and reset the solenoid valve.

Filter Life Monitor - Have peace of mind knowing when to change your water filter cartridges. Depending on the life remaining within your filter cartridge the Cartridge Maintenance Indicator will signal a different coloured light.



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