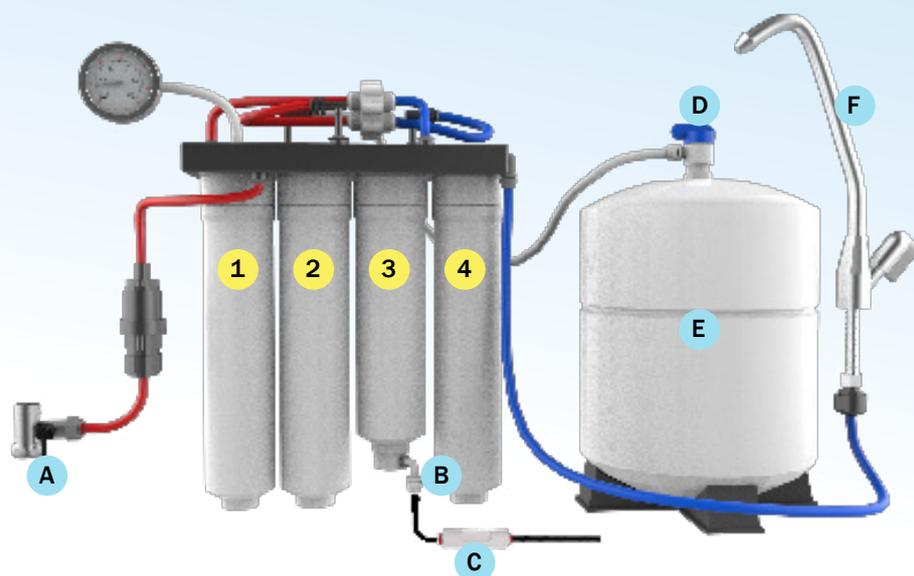


Ultra High Purity Reverse Osmosis

Replacing Your Quick Change Cartridges

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 |

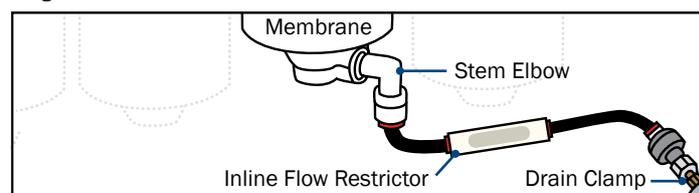
Step by Step Maintenance

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

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

Step by Step Installation

1. Taking into consideration ease of maintenance, find a convenient location beneath the benchtop. Using the selftapping screws provided, attach the filter to the cupboard wall (allowing approx 50mm height for changing cartridges). The system can also stand freely on the cupboard base, or even on it's side.

2. **Shut Off the Water Supply** - Locate the ministop valve for the cold water feed line (see Diagram 4).

Close the cold water shut off valve. Turn on the cold water faucet only to assure that the line is completely shut off and drained. (If there is no cold water shut off valve located under the sink, then turn off the main water supply at the entry to the property).

▲ Feeding the system with hot water will damage the membrane.

3. **Attach the Feed Water** - Unscrew the braided hose from ministop valve of the cold water line. Screw on the Female/ Male Tee piece and re-attach braided hose (see Diagram 4).

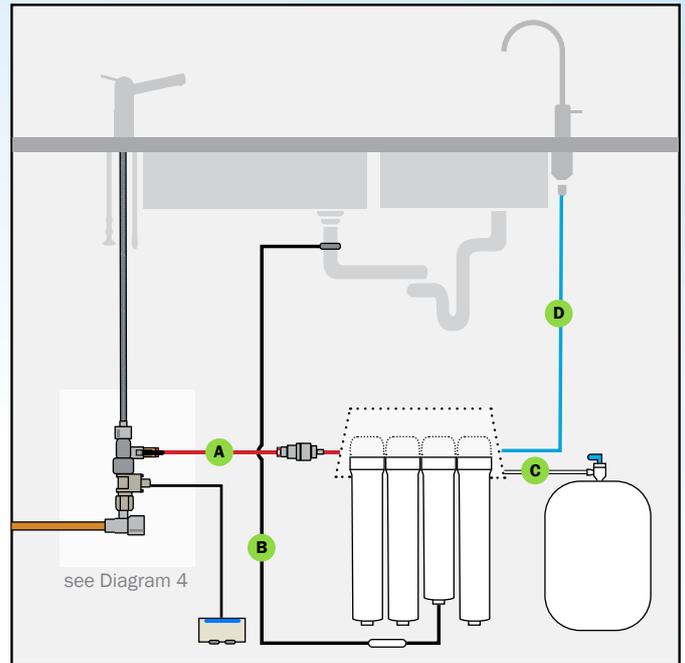
4. **Installing the Drain Outlet Clamp Assembly** - Select a location for the drain clamp above the 'S' Trap. Position the drain clamp on the drain pipe. Allow adequate space for drilling. Tighten the clamp with the 'Tightening Screw' (see Diagram 5). Unscrew Quick Fit Connector. Using the opening in the drain clamp, drill a 1/4" hole in the drain pipe. Clean debris from the clamp. Reattach Quick Fit Connector.

▲ Where applicable, ensure you locate the drain connection away from any electric garbage disposal.

5. **Pure Water Faucet Installation** - The pure water faucet may be installed on any flat surface over 50mm (2") in diameter. First, check the underside of the location for interference. Make a small indent using a centre punch to mark the desired drilling location. Drill a pilot hole with a metal drill. Enlarge the hole using a 1/2" metal drill bit.

Once the hole has been drilled install the faucet as per Diagram 6. Be sure the faucet body, chrome plate, and the black rubber washer are placed above the sink. Install the black locating washer, the lock washer and nut underneath, then tighten firmly while aligning faucet in the desired direction. Install female Quick Fit Connector to the end of the faucet (see Diagram 6).

Diagram 3 - Undersink Setup



- A Red tube** connects the feed water valve to the system inlet
- B Black tube** connects the membrane brine port to the drain clamp
- C White tube** connects the RO membrane pure water outlet to the storage tank
- D Blue tube** connects the post filter to the pure water faucet

Diagram 4 - Tee Piece Assembly

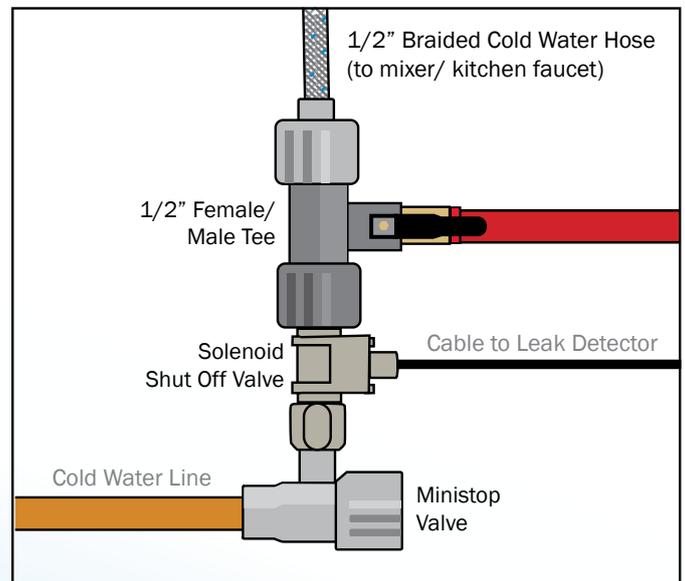
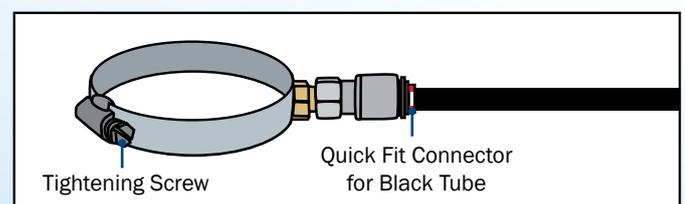


Diagram 5 - Drain Clamp



**WaterMark
Certificate
No.: 23124**

The Australian WaterMark Standard Approval of this system is your guarantee of quality.

6. Place the storage tank in a convenient position. The tank can be placed either upright or on it's side. Attach the Storage Tank Tap, applying a few wraps of plumbers tape.

⚠ Do not over tighten the tap when attaching to the tank thread. Over tightening may split the tap body resulting in a leak.

7. Connect hosing to the system, please refer to Diagram 7 and 8. Make sure the end of the tube is cut straight, ensuring it has an even, clean surface. It is recommended to not shorten the tubes.

8. **Activating the System for the first time** - Ensure the storage tank tap and pure water faucet are turned off. Slowly turn the ministop valve of the cold water line until fully open and then check the system, plumbing assembly and all drain lines are secure and free from leaks.

If system is free from leakage, open the pure water faucet and wait until the tap starts dripping. When dripping occurs, open up the tank tap and close the pure water faucet. Wait a few hours for the pure water storage tank to fill (the time taken will depend on water pressure, temperature and tank size).

Open the Pure Water Faucet and let the water flow until all the air has been expelled from the system. Initially water may be slightly discoloured and have some aeration. This will take a few minutes. Close the pure water faucet. In 15 minutes, check the connections for leaks and correct if necessary.

ⓘ When away for extended periods of time, shut off the water supply (see Step 2).

Diagram 6 - Faucet Installation

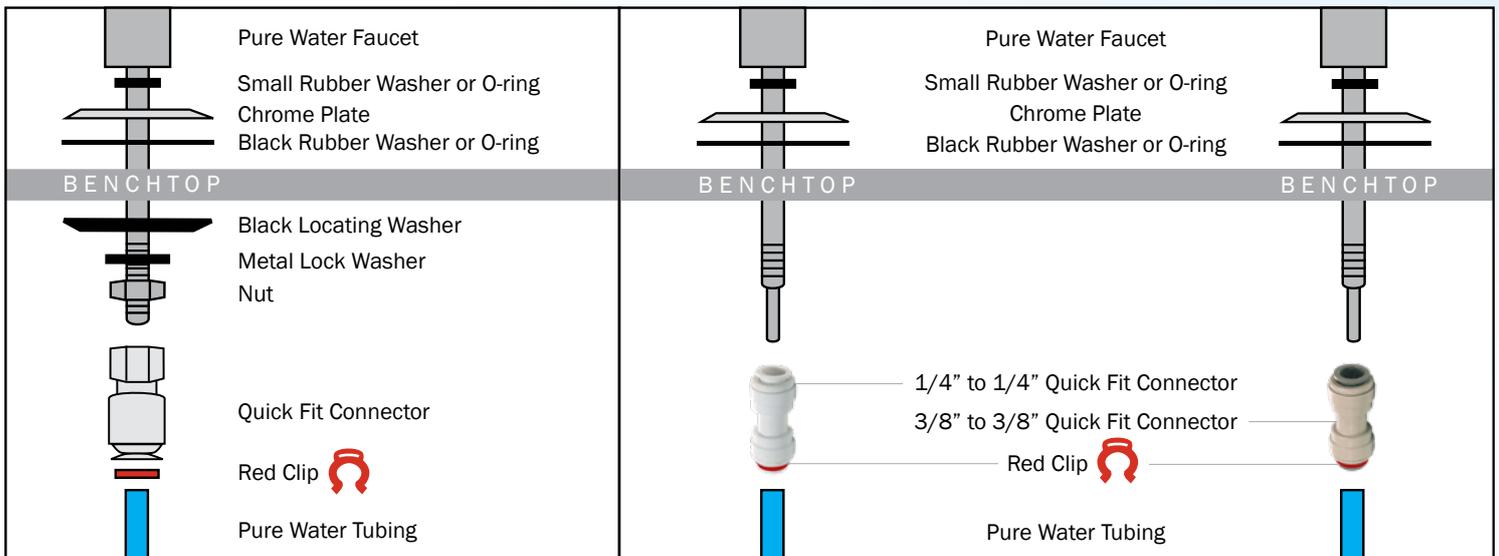
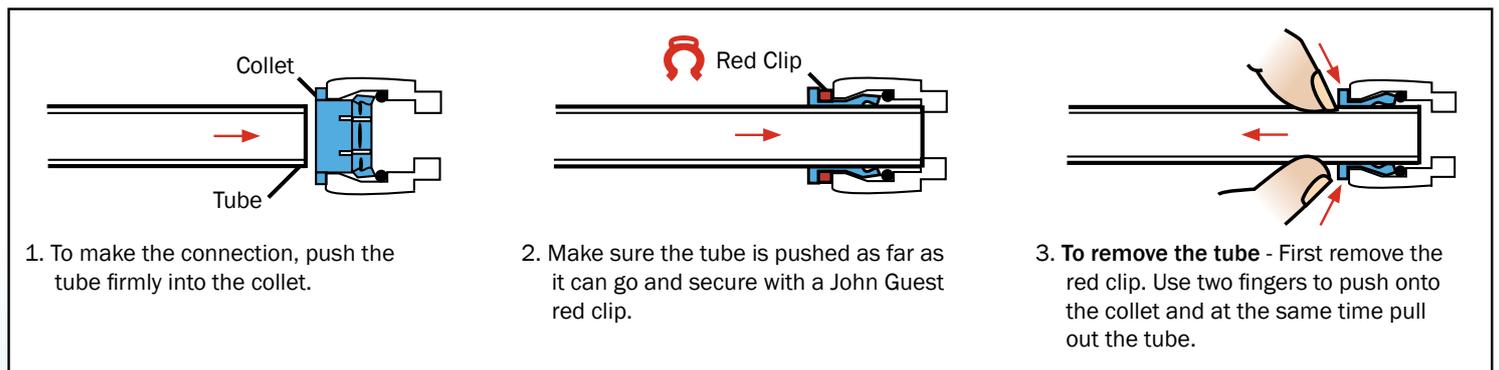


Diagram 7 - Tube Connections



Extras available now 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.



Interested in Alkaline Water? Add an AlkaHydrate Filter

The **AlkaHydrate** filter **A** can easily be installed as an additional stage to your existing Ultra High Purity Reverse Osmosis system. This filter will provide you with enhanced water that is mineralised, energised, has low ORP and has one of the best absorption rates possible.

Raises pH Level - A series of different medias are used to effectively raise the pH level of your drinking water. Alkaline water helps our body dissolve and dispose of acid wastes naturally.

Adds Natural Minerals - Introduces natural, ionic minerals such as Calcium, Magnesium, Potassium and more. These are absorbed by the body to improve strength and function of body processes.

Lowers ORP - Significantly increases the negative ORP (Oxygen Reduction Potential) enabling it to decrease the oxidation of substances or cells, thus serving as a potent anti-oxidant.

♦ Ideal for those looking to reduce acidic toxic waste in the blood, tissues and fluids of the body, allowing it to adhere to a more alkaline state required by most human metabolic processes.



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