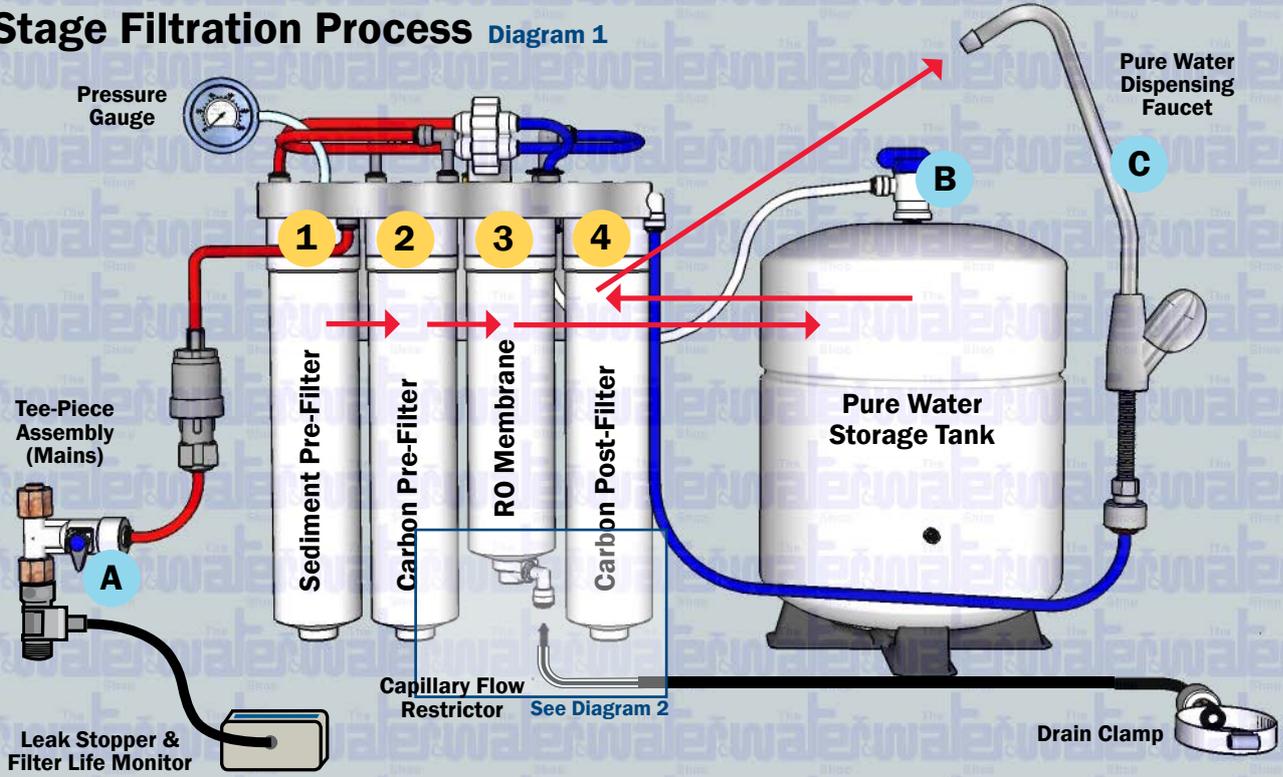


Reverse Osmosis Q-Series

Replacing Your Quick Change Cartridges

PLEASE READ THIS MANUAL CAREFULLY

The 4-Stage Filtration Process Diagram 1



Maintenance see Diagram 1 for labelled cartridge positions

- 1 Turn feed water valve off **A**.
- 2 Turn off storage tank tap **B**.
- 3 Unscrew and dispose of the Sediment cartridge **1**. Reinstall new Sediment cartridge in same position.
- 4 Unscrew and dispose of the Carbon Pre-Filter cartridge **2**.
- 5 Unscrew the Carbon Post-Filter **4** and reinstall it in the position of the Carbon Pre-Filter **2**. *The Carbon Post-Filter has only been used as a polishing filter, hence it can be re-used as the Carbon Pre-Filter.*
- 6 The Reverse Osmosis membrane needs to be replaced every 3-6 years depending on water quality and usage. *Your pure water quality can be tested with a conductivity meter measuring total dissolved solids (TDS) which will indicate the rejection of contaminants ratio.*

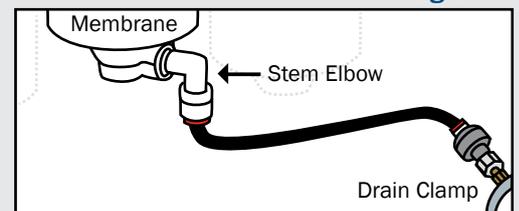
To replace RO membrane **3** remove the stem elbow (remaining with black tube inserted) from the base of the existing membrane (see **Diagram 2**). Unscrew the membrane cartridge and dispose. To install the new membrane; if necessary remove any dust plugs, then screw it into the head assembly. Re-attach the stem elbow to base of the membrane.

- 7 Having removed any dust plugs - install the new Carbon cartridge to the Carbon Post-Filter position **4**.
- 8 Turn the feed water valve on **A**.
- 9 After an hour, turn on storage tank tap **B**.
- 10 Flushing the System before use: open the pure water faucet **C** and run for a few minutes. 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.

Please ensure the yellow plug in the Quick Change Cartridge head is removed before installation.



Diagram 2



How to Remove/Replace O-Rings on USA Quick Change Cartridges

Diagram 3

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. See **Diagram 3**.

To Remove O-ring **A** :

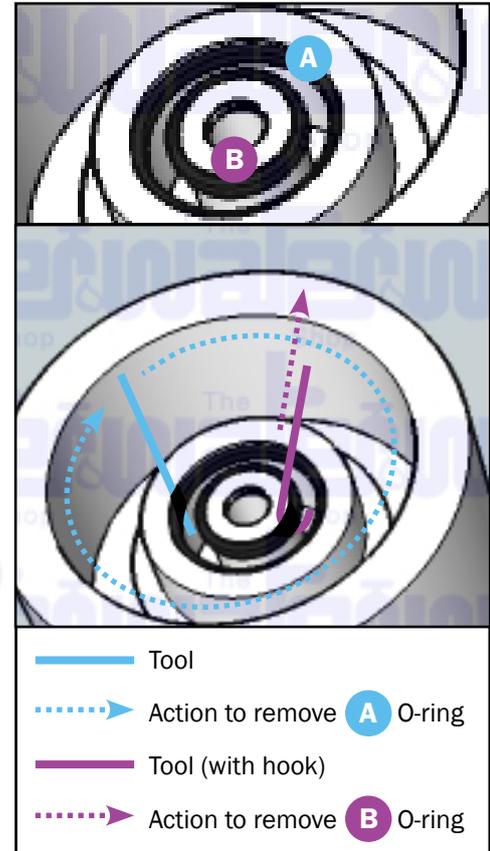
Insert a soft material/blunt tool between the inside of the O-ring and it's groove. Then, slide the tool around the inside of the groove, causing the O-ring to pop up. If necessary hold a side of the O-ring to prevent it revolving within the groove.

To Remove O-ring **B** :

Again, 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. Hooking the O-ring with the tool, pull the O-ring up and out.

To Re-Use/Replace the O-ring:

Inspect the O-ring carefully and clean; wiping gently with a lint-free material. Lightly lubricate the O-ring with a fine coat of silicone grease or olive oil. 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 level within it's groove.

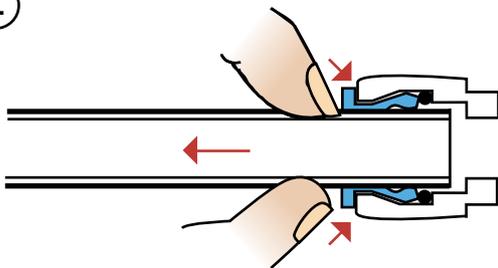


Note: Removing O-rings with a sharp tool can damage the O-ring and/or it's groove and subsequently allow leaking.

Installing the Flow Restrictor

Diagram 4

1

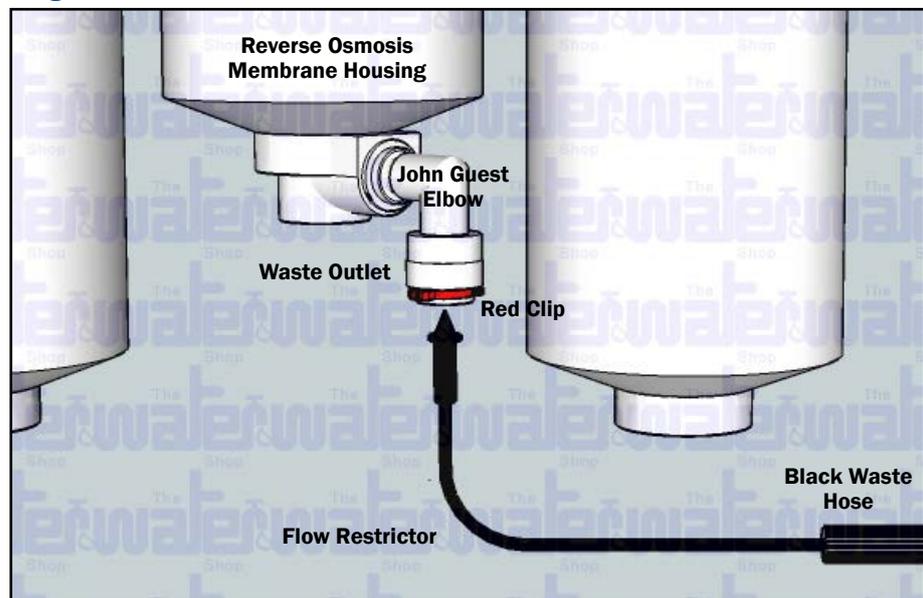


To remove the hose - First remove the red clip. Use two fingers to push onto the collet and at the same time pull out the black waste hose.

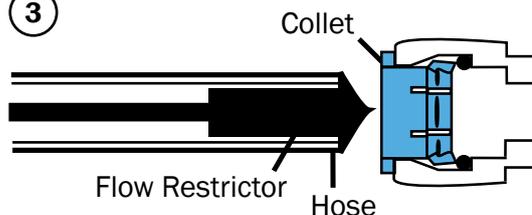
2

To replace the flow restrictor

- If applicable, first pull out the original flow restrictor from the black hose and dispose. Push the tubing of the new flow restrictor into the black waste hose until the cap of the flow restrictor fits tightly at the end of the black hose.

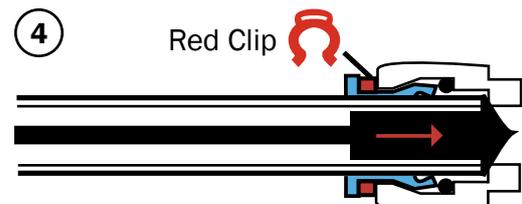


3



Re-attach the hose by pushing it firmly into the collet of the John Guest Elbow.

4



Make sure the hose is pushed as far as it can go and secure with a John Guest red clip.