US Water systems.com™

Reverse Osmosis Filter Change Instructions

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ASSEMBLED IN THE US

1. Filter Change Instructions

1. Turn off the feed water to the system and shut-off the icemaker power and water supply valve (if applicable).

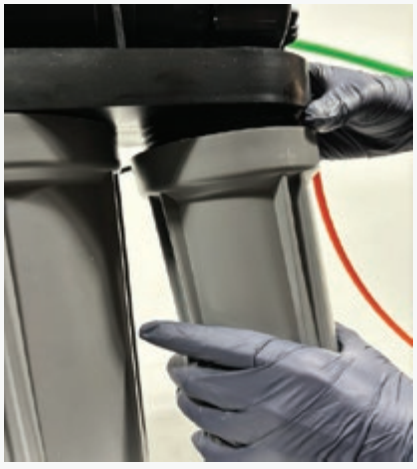
2. Turn on the RO faucet to relieve any pressure on the system and make sure water has stopped flowing out of the faucet.

3. Remove the lower vertical sump filters and Post Carbon filter.

2. Filter Change Instructions

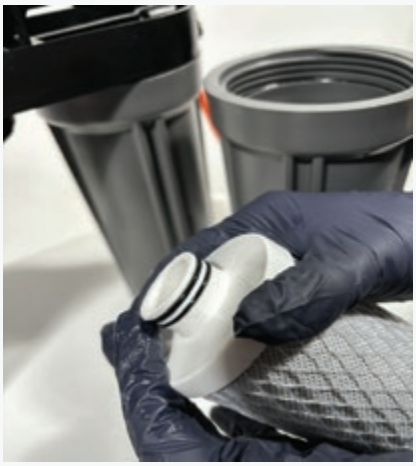
4. Remove the old filters and discard. Install the new filters.

5. The Red cap fiber-type filter is installed in the first (sediment) filter sump. This is the sump on the right. Lubricate the O-ring at the top of the sump with a small amount of the silicone included. Lubricate the O-rings on the filter. Push the filter into the top portion of the housing. Tighten the filter sump hand tight, then using the wrench, turn an additional ¼ turn, but do not over tighten.



3. Filter Change Instructions

6. The carbon block filter with the white cap is installed into the center sump. Lubricate the O-ring at the top of the sump with a small amount of the silicone included. Lubricate the O-rings on the filter cap. Push the carbon block filter in the top portion of the housing. Tighten the filter sump hand tight, then using the wrench, turn an additional ¼ turn, but do not over tighten.



4. Filter Change Instructions

7. The chloramine filter with the green cap is installed into the left sump. Lubricate the O-ring at the top of the sump with a small amount of the silicone included. Lubricate the O-rings on the chloramine filter cap. Push the chloramine filter in the top portion of the housing. Tighten the filter sump hand tight, then using the wrench, turn an additional ¼ turn, but do not over tighten.

5. Filter Change Instructions

8. The inline filter is installed on the top of the membrane. The fittings in each end of the old post filter must be removed. Once removed, clean the old Teflon tape off of threads on each fitting.

9. Wrap each fitting with Teflon tape (when looking at the threaded side of the fitting, always wrap the Teflon tape in a clockwise manner). The stem (straight) fitting will screw into the inlet side of the new filter and the elbow fitting is installed in the outlet side.

BE SURE not to overtighten these fittings or they may break. BE SURE no to put too much Teflon tape on the fittings. This can result in a crack in the post filter. The fittings should tighten before they bottom out in the post filter.

Replacement Stem

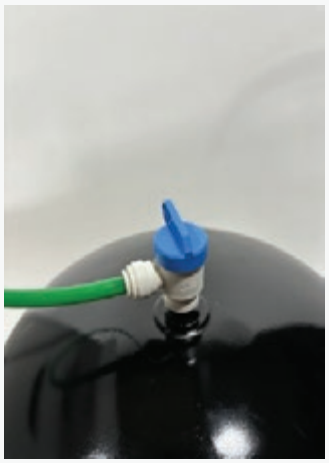
Replacement Elbow

10. Connect the blue tubing to the outlet elbow fitting of the new post filter. Now push the tee from the tank on the inlet stem fitting of the new post carbon filter. (For Livation systems, install the new Livation filter and plug the inlet tubing in the inlet side of the Livation filter. Remove the outlet tubing from the old Livation filter and install it in the outlet of the new Livation filter. Connect the other end of the outlet tube to the post filter/tank tee fitting.

6. Filter Change Instructions

11. Turn on feed water valve and check for leaks. (Turn off and correct leaks if leaks occur.)

12. Close the valve on storage tank and open RO faucet until water drips from the RO faucet. Water will be flowing to the drain as well.



13. Once there is water coming from the faucet close the faucet and wait five minutes to see if any leaks result on the entire system. The system will fill the sumps the membrane and will ultimately shut off. This happens fairly quickly without the tank on (usually 3-5 mins). Once the water stops and the system shuts down. Check for leaks again. If the system uses a permeate pump, the water going in the drain and the water coming the RO faucet may be intermittent or pulsate. This is normal.

7. Filter Change Instructions

14. Turn on the tank valve and open the faucet. (The initial water from the system may be discolored. This is normal).

NOTE: BE PATIENT! It is very important that there is a steady drip or stream of water coming from the faucet before it is closed. If not, there could be air trapped in the system and it will not fill the tank properly. This can waste a lot of water.

15. Close the faucet and allow the system to fill. Most systems will be full within 2 hours. The system is full when the water to the drain stops. Check for leaks with the system full and repair them accordingly.

NOTE: When the system is first turned on, water may intermittently "spurt" from the air gap opening on the side of air gap faucets. This is common and should correct itself after the air is purged from the system.

Flushing system and checking operation

To make sure RO system is operating correctly, follow these simple procedures:

1. Open RO faucet handle and allow tank to completely drain

2. Close faucet and re-fill the system.

3. Allow system to process water for approximately 2-3 hours, at which point tank will be practically full.

4. Open faucet again and allow tank to empty for a second time. Do not use this water.

5. Wait another 2-3 hours to allow tank to re-fill.

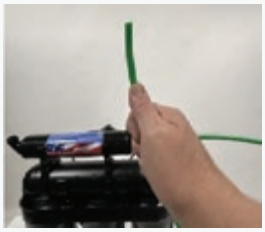
NOTE: If no objectionable tastes are noticed after second tank draining, RO processed water is ready for use. Otherwise, drain tank and re-fill for a third time.

1.Air Purging

If the tank doesn't fill, the tank tubing may have air in it. Typically the standard startup procedure will be sufficient but in some cases due to the water temperature and pressure, additional air bleeding must be performed. The following procedure will help bleed air from the system.

1. Close the tank valve and the feed water valve and open the faucet to relieve the pressure on the system.

2. Remove the tank tubing from the tank valve and hold it above the sys-tem with the line facing up.



3. Open the feed water valve and the faucet.

4. Allow the system to run until there is a stream of water coming from the tank tubing.

5. Once there is a steady stream coming from the tank tubing, push it back into the tank valve. BE SURE to push it in the tank valve com-pletely or a leak could occur.

6. Allow the system to continue to operate until there is a steady stream coming from the faucet.

7. Once there is a steady stream coming from the faucet, close the faucet and open the tank valve. Then go to the flushing procedure above.

NOTE: If no objectionable tastes are noticed after second tank draining, RO processed water is ready for use. Otherwise, drain tank and re-fill for a third time.

At this point supply line to ice maker connection (optional) may be opened.