

Perfect Water Technologies

Reverse Osmosis Membrane Change Instructions



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Membrane Change Instructions**Tools Required**

Pliers	Chlorine bleach
Towel	Brush
Clean cloth	

1. Clear away a workspace under the sink, near the location of the RO system.
2. Turn off the water feeding the RO system, by closing the ball valve located on the water line, or by closing angle-stop feed water valve clockwise. To close the angle-stop, turn clockwise. If present, the angle-stop will be located on the wall under the kitchen sink in close proximity to the RO system. Either method will work. Close the valve leading to the refrigerator if your RO system was ordered with a refrigerator connection kit.
3. Close the reserve tank valve located on top of the reserve tank. When closed the blue handle will perpendicular to the water line.
4. Depressurize the system. Flip up the handle on the RO sink spigot so that it locks into place, and dispenses water until it no longer flows. If you have successfully shut off the water this should occur within a few seconds. If water still continues to flow, repeat steps 2 & 3. The system is now depressurized; continue to leave to RO sink spigot handle in the open position.
5. Slowly and gently pull the RO system off of its mounting clips, and lay it on a towel.
6. Remove the tube from the membrane-housing cap “push-pull” fitting – to do this push down the seal ring to the fitting body with the thumb and forefinger while simultaneously pulling on the tubing. Some mild resistance to pulling out the tubing is normal. Removing the tubing will be impossible without first fully depressurized the RO system as described in step 4. If your system has plastic nuts, in place of push-pull fittings unscrew them instead.

7. Unscrew membrane-housing cap and remove old membrane using pliers on the top white membrane nipple. There is a rubber brine seal near the top of the membrane. As you are removing the old membrane, note which end the rubber brine seal is on so you can insert the new membrane in the same way. Discard old membrane.
8. Wipe out membrane housing with clean cloth, dampened with chlorine bleach solution (10% bleach, 90% water). Rinse very thoroughly. Allow to air dry completely.
9. Remove new membrane from packaging. Grasp the replacement membrane by the top white membrane nipple only. **DO NOT TOUCH ANY OTHER PART OF THE MEMBRANE.** Insert membrane into membrane housing until white nipple is flush with the membrane-housing opening. Turning or rotating the white nipple while applying pressure will help seat the membrane into place or press the white nipple against a table so as to push it into the housing until it slots into place. Replace and tighten membrane-housing cap. Reinsert the tube end about a ¼” into the membrane-housing cap “push-pull” fitting then pull back gently to ensure a snug fit.
10. Remount the RO system, and **SLOWLY** open the main water line to the RO system. Open valve to refrigerator. Then open the tank valve slowly. Failure to repressurize slowly may result in system damage. It may take 20 minutes for water to begin flowing from the RO sink spigot. Allow the water to run until the flow is a thin gentle stream or fast drip. Close the RO sink spigot, and allow 3-10 hours for the reserve tank to refill, and then drain completely. Repeat. Membrane contains a mild preservative. System must be flushed prior to use. **DO NOT** drink the first 6 gallons of water. Drinking from un-flushed system may cause gastrointestinal discomfort, colic and/or diarrhea. Consult a physician if discomfort persists. Running out the first two tanks (6-7 gallons) will effectively flush out the system, and make it ready for use.

For more information please visit: www.ThePerfectWater.com or contact customer service at 1-877-693-PURE.