

CARTRIDGE REPLACEMENT PROCEDURES

The following water system procedures are recommended every 12 months.

ECO WATERHOUSE TECHNOLOGIES IS NOT RESPONSIBLE FOR ANY ACTIONS OR CONSEQUENCES DURING OR AFTER THE CARTRIDGE REPLACEMENT IF THE WORK IS DONE BY OTHER THAN FACTORY CERTIFIED TECHNIAN. THE PERSON CONDUCTING CARTRIDGE REPLACEMENT IS FULLY RESPONSIBLE FOR HIS/HER ACTIONS. ALL WARRANTIES (ON ANY PARTS OR FILTER COMPONENTS) WILL BE VOID.

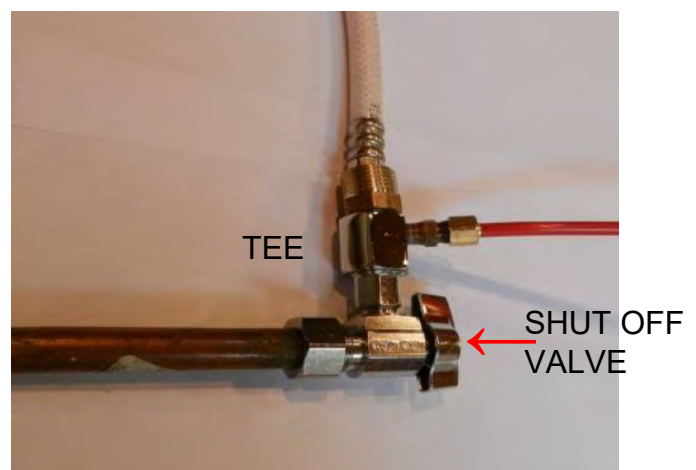
IT IS IN THE BEST INTEREST OF THE OWNER TO CALL FACTORY CERTIFIED TECHNICIANS @ (949) 485-8652 AND SCHEDULE A SERVICE APPOINTMENT.

1. Shut off the water supply source to the filtration system. Locate the red pipe connection to the cold water pipe. It will be under the kitchen sink, next to the filtration system. Some cold water connections will include a separate shut-off valve, others may have a connection directly to the main cold pipe, by "TEE" only.



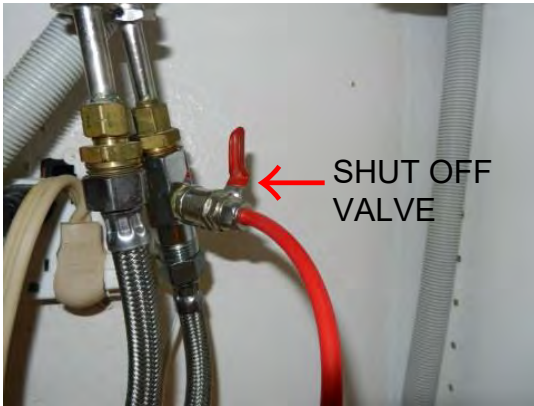
Filter red **tube** connection to separate valve.

VALVE IS IN "OPEN" POSITION

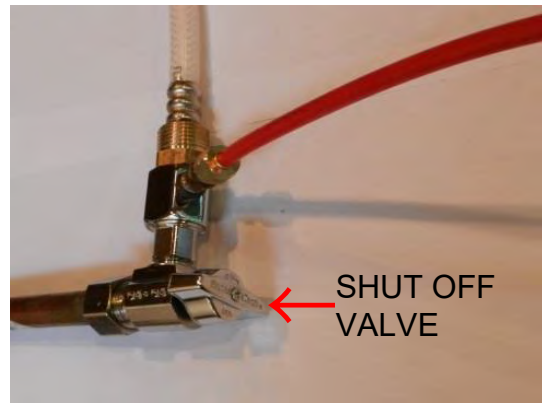


Filter red **tube** connection to "TEE"

VALVE IS IN "OPEN" POSITION



VALVE IS IN "CLOSED" POSITION



VALVE IS IN "CLOSED" POSITION

2. Close the water filtration storage tank's blue valve.



Tank valve is open



Tank valve is closed

3. Open the water filtration system faucet, and depressurize the filter and the storage tank. Let water flow for 5 seconds.



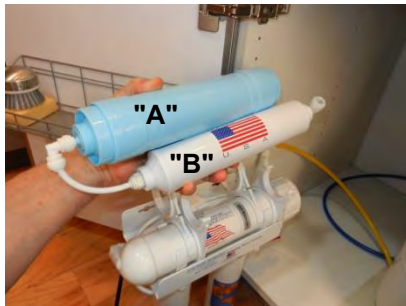
4. Prior to moving the filter system from under the sink, it is imperative to check all the plastic pipes. Should any plastic pipe be tied or placed in a position where moving or bending them will cause any damage....CUT the ties first. Bending or use of force will damage the plastic pipes or connection parts. Damaged pipes may result in leaking and eventually flooding the kitchen floor or the entire house.

5. Pull the filter forward from under the sink area.



Place a bucket under the filter to prevent water damage to the floor.

6. Delivered cartridges are ready for replacement and do not need any additional parts. Inspect cartridges, and make sure that all parts are free of damage by the Postal Service. Do not attempt using the cartridges if any of the parts are not in original factory condition.



MODEL BEFORE 2018



PART "CD"



MODEL AFTER 2018

PART "B" HAS ALREADY BUILT-IN CONNECTIONS !

USE 1/4" CONNECTION FOR 1/4" TUBE (MODEL BEFORE 2018)

7. Start from removing old cartridges from the white plastic clips.



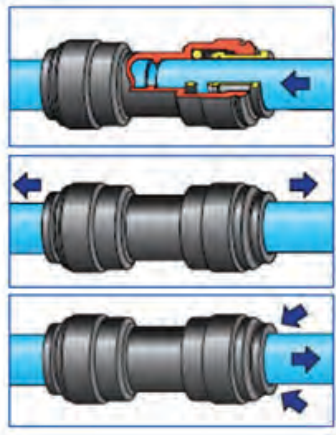
MODEL BEFORE 2018



MODEL AFTER 2018

Start from **Part "B"** than pull **Part "A"**

8. How to release the plastic pipes from the old cartridges. Push the inner collet around the pipe inward toward the pipe fitting. Use a special collet release tool, a slotted screwdriver, or your fingers to push in the collet. Hold the collet pressed against the fitting. Pull the pipe straight out of the connector sleeve. If releasing the pipe from the connector is a problem, there is another method. Use two kitchen knives. Place knives against the white "o" ring and the blue cartridge wall. Twist both knives at the same time and push out the white connector away from the blue cartridge.



PUSH UP TO CONNECTION TUBE STOP.

**PULL TO CHECK SECURE CONNECTION.
TEST THE SYSTEM BEFORE USE.**

**TO DISCONNECT, ENSURE THE SYSTEM IS
DEPRESSURISED (OPEN FAUCET FOR 3 SECOND).
PUSH THE COLLET TOWARDS THE FITTING AND REMOVE
THE TUBE. THE FITTING CAN BE REUSED.**



MODEL BEFORE 2018



MODEL AFTER 2018

9. Push the new **Part "A"** cartridge into the plastic clips.



MODEL BEFORE 2018



MODEL AFTER 2018

10. Then place **Part "B"** cartridge into the plastic clips.



MODEL BEFORE 2018



MODEL AFTER 2018

11. Connect the first yellow tube with the "TEE" to **Part "A"** cartridge. Then connect the blue tube with the **Part "B"** cartridge.



MODEL BEFORE 2018



MODEL AFTER 2018

12. Place the water filtration system to its original place under the counter sink.



MODEL BEFORE 2018

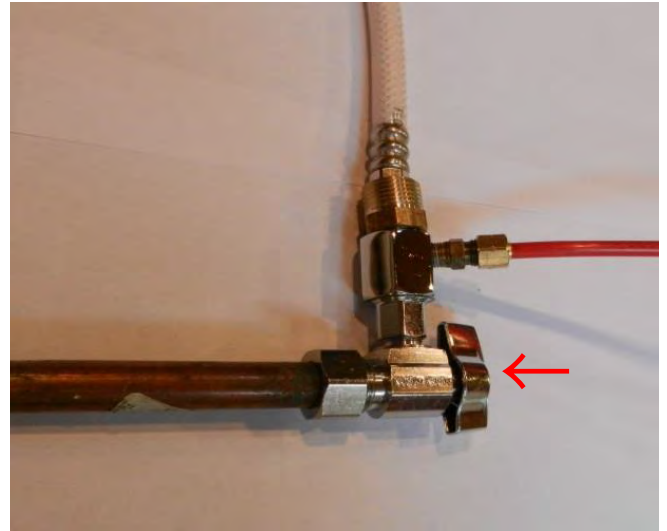


MODEL AFTER 2018

13. Open the filter tank valve first.



14. Check all connections for possible water leaks. If a leak occurs, try pushing the pipe towards the connection part again. If you are not able to stop the leak, replacement part may be needed; call the factory for service immediately. Do not open the main water valve (end of the red pipe connection) as it may cause a severe **damage** and may result in a flood. If there is no leak, slowly open the main water valve.



Main filter valve in open position

15. Again check all connections for water leaks. Call factory for service (949 485-8652) if there are any problems with the connections or the filter itself.
16. New cartridges require flushing to remove air and filter media dust. Open the filter faucet valve and release water from the tank completely. It will take about 3 to 5 minutes. Wait about 1 hour to fill the tank with purified water. Release water from the tank again; if water is mixed with air bubbles, also it may appear milky, which is a normal occurrence with initial startup. Dispose old cartridges safely.

Here are the steps to sanitize your RO system.

- Shut off main valve (see page 1)
- Dispense water from Pure Water Faucet (completely dispense water), it take about 10 min.
- Reattach yellow tube from the tank (see top of the page 4).
- Pour about 10 drops of household bleach inside yellow tube (from tank connection side).
- Reattach all connections
- Turn back on main valve (see page 6)
- Let system run and the tank will up.
- Once tank is full (take about 1 hr), flush out water through faucet (let run water for about 5 min.).
- Do this (flushing only) at least two cycles, till the scent/smell of chorine is diluted.
- Shut off main valve (see page 1) again.
- Install all new filter cartridges.
- Turn on main valve (see page 6)
- Let tank fill up again (it takes about 1 hr).
- Drain out first tank.
- You Are Done!



Tank air pressure check, and air pressure adjustment.

When you turn on the faucet you notice low water pressure from the storage tank. Is the tank lower pressure problem, or tank bladder is damaged.

If you have the above problem and the tank is heavy (full), then try to relief the pressure from the air valve on the tank side. Is water coming out? If the answer is yes, then the bladder has hole and is defective, and tank replacement is due. If air comes out then it is possible that the air needs to be recharged.

STEPS:

1. Shut off the water supply to the RO system
2. Turn on the faucet to allow water to run until it stops.
3. Check to see if there is still water in the storage tank by lifting the tank. If the tank feels heavy, that means you need to recharge the tank and continue the following steps. If the tank **feels light, that means you don't need to charge your storage tank at this moment.**
4. Locate the air valve on the side of the tank. It looks like the air valve on tires **(see picture).**
5. Use air compressor, or **bicycle** air pump to pump air into the tank. Keep the faucet on while pumping air, so that all water inside the tank can be purged out.
6. After all water has been drained from the tank, use an air pressure gauge to check the tank pressure.
7. **The tank should have 7 psi of pressure when it's empty. Add or purge air if necessary.**
8. Turn the feed water valve back on, and turn off the faucet to allow refilling of the tank.
9. finished.

What if the tank does not hold pressure and you see the same problem again? Bladder is out and you need to replace the tank.

