

Maintenance

Maintenance Schedule

This RO system was designed to ensure ease of use and low maintenance. If the filters are changed regularly as suggested below and is run within the suggested output capacity, the RO system should work properly for many years.

To assist with maintaining proper care of the RO system, use the System Service Schedule on page 17 to keep track of completed maintenance on the RO system.

Important!

It is important to change the filters for stages 1, 2 and 3 at least every 6-12 months. The first 3 filters protect the RO membrane. If the filters are not changed, the membrane will be damaged and the RO system will be contaminated.

**Stage-1
Sediment Filter**

Replace every 6-12 Months

If water source is from a private well or water source with high levels of heavy sediments; filter may need to be changed sooner.

**Stage-2 and Stage-3
Carbon Filter**

Replace every 6-12 Months

If water source is from a private well or water source with high levels of heavy sediments; filter may need to be changed sooner.

**Stage-4
RO Membrane**

Replace every 2-3 Years

Dependent on proper maintenance of stages 1-3 and level of water usage.

**Stage-5
Post Carbon Filter**

Replace every 2,500 Gallons (9,500 Liters)

Usually replaced at the same time as the RO membrane.

Replacement Filters

Olympia Water Systems offers replacement filters for both the OROS-50 and OROS-80 Reverse Osmosis water filtration systems. For purchasing information for replacement filters, please visit our website at www.olympiafiltration.com.

Filter Replacement

- I. **Turn off Cold Water & Tank Valve:** Turn cold water supply and tank ball valve to OFF positions. Turn system faucet to the ON position to release any built up pressure in the RO system. Once pressure has been released, turn system faucet to OFF position.
- II. **Open Housings:** See **Fig. 19**. Starting with the 1st stage, use the large provided wrench remove the filter housings one at a time by turning counter-clockwise.
- III. **Replace Filters:** Remove and discard the 3 used filters from the housings. Rinse out each housing to ensure there is no remaining dirt or particles still in the filter housings. If necessary, wash the housings by hand with a mild soap before rinsing. See **Fig. 20**. Insert the new 1st stage sediment filter and the 2nd and 3rd stage carbon block filters into the corresponding filter housings.
- IV. **Close Housings:** Starting with the 1st Stage housing on the right, hand twist the housing onto the main bracket turning clockwise under the 1st Stage label. Using the provided large wrench, completely tighten the 1st Stage housing onto the main system bracket. One at a time, hand twist and then tighten with the provided large wrench, the 2nd Stage and 3rd Stage housings under their corresponding labels on the main system bracket. See **Fig. 21**.
- V. **Check for Leaks:** Turn cold water supply and tank ball valve to ON positions. Check valves, fittings, tubing connections and housings to ensure there are no leaks.



Fig. 19



Fig. 20



Fig. 21

RO Membrane Replacement

- I. **Turn off Cold Water & Tank Valve:** Turn cold water supply and tank ball valve to OFF positions. Turn system faucet to the ON position to release any built up pressure in the RO system. Once pressure has been released, turn system faucet to OFF position.
- II. **Remove Tubing from Housing:** See **Fig. 22**. Remove BLUE tubing lock clip and remove the tubing from the cap of the RO housing on the main system bracket. Using the provided small wrench, remove the RO housing cap by turning counter-clockwise.
- III. **Replace Membrane:** Remove and discard the used RO membrane. See **Fig. 23**. Remove and discard the plastic on the new RO membrane and insert the double banded end of the new RO membrane into the RO housing first.
- IV. **Close Housing:** Hand twist the RO housing cap back onto the RO housing by turning clockwise. Using the provided small wrench, completely tighten the cap onto the RO housing. See **Fig. 24**. Re-insert tubing into RO housing cap and re-attach BLUE tubing lock clip to secure tubing.
- V. **Check for Leaks:** Turn cold water supply and tank ball valve to ON positions. Check valves, fittings, tubing connections and housings to ensure there are no leaks.
- VI. **Flush Membrane:** Allow the RO system to run for approximately 3 hours to fill the tank. When the tank is filled, the RO system will automatically shut-off. The first tank of water must be drained to flush the new RO membrane. Do NOT use the first tank of water. Turn the RO system faucet to the ON position to drain the tank. The tank is empty when there is a noticeable drop in water pressure from the RO system faucet. Once the tank is empty, turn the system faucet OFF.

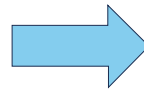


Fig. 22



Fig. 23



Fig. 24

Post Filter Replacement

It is recommended to replace the post carbon filter at the same time the RO membrane is replaced.

- I. **Turn off Cold Water & Tank Valve:** Turn cold water supply and tank ball valve to OFF positions. Turn system faucet to the ON position to release any built up pressure in the RO system. Once pressure has been released, turn system faucet to OFF position.
- II. **Remove Tubing & Filter:** See **Fig. 25**. Remove BLUE tubing lock clips and tubing from each of the 3 tubing connections attached to the 5th stage post carbon filter. Remove the quick connect tee (**Point A**) from the filter as it will need to be installed on the replacement filter. Remove the used filter from the mounting clips and discard the used filter.
- III. **Connect Fittings to New Filter:** When placing the new 5th stage post carbon filter on the main system bracket, ensure that the FLOW arrow on the filter is pointing towards the water output (BLUE tubing). See **Fig. 25**. Re-insert the quick connect tee (**Point A**) and the 3 tubes into the new 5th stage filter and re-attach the 3 BLUE tubing lock clips to secure tubing connections.
- IV. **Check for Leaks:** Turn cold water supply and tank ball valve to ON positions. Check valves, fittings, tubing connections and housings to ensure there are no leaks.
- V. **Flush Filter:** Allow the RO system to run for approximately 3 hours to fill the tank. When the tank is filled, the RO system will automatically shut-off. The first tank of water must be drained to flush the new post carbon filter. Do NOT use the first tank of water. Turn the RO system faucet to the ON position to drain the tank. The tank is empty when there is a noticeable drop in water pressure from the RO system faucet. Once the tank is empty, turn the system faucet OFF.



Fig. 25

System Service Record

Date of Purchase: _____ Date of Install: _____ Installed By: _____

Date	1st Stage Sediment	2nd Stage Carbon	3rd Stage Carbon	RO Membrane	Post-Filter Carbon

Notes: