



Annual Reverse Osmosis Filter Replacement Package

Item Number #0099572

(Excluding 100GPD Membrane #0099564)

AlkaViva always strives to bring you the cutting edge in clean water technology. This new filter replacement will ensure that your system produces the best possible Reverse Osmosis (RO) water you can achieve regardless of your source water. This annual replacement package replaces 4 stages of your Reverse Osmosis System excluding the RO Membrane. **The RO membrane part # 0099564 is a separate purchase.** Instructions on how to replace the RO Membrane are also included below.

This upgrade includes:

- ✓ **Stage 1:** Sediment Filter
- ✓ **Stage 2:** Pre-Carbon Filter
- ✓ **Stage 4:** Remineralizing Filter
- ✓ **Stage 5:** Taste & Odor Filter

***** If you have any questions regarding the filters or installation, please submit a support ticket at <http://alkaviva.com/repairs.php> *****

Please check off these simple steps to complete your upgrade:

- Turn off the water supply to the entire system. This can typically be done at the angle stop valve for the main cold water supply under the sink.
- Turn on your ionizer/faucet, and let it run until water stops flowing. This will drain the storage tank.
- Once the tank has drained completely, close the tank ball valve located on top of the RO storage tank.

Filter Replacement

PLEASE NOTE: There will be residual water in the system during the upgrade. You will want to have a towel handy to catch any excess water that may leak during the upgrade process.

- Using the provided housing tool, unthread **Stage 1 Sediment filter** housing. Remove old filter and discard. Replace with new filter and re-thread housing and new filter back into original housing location.
- Using the provided housing tool, unthread **Stage 2 Pre-Carbon Filter** housing. Remove old filter and discard. Replace with new filter and re-thread housing and new filter back into original housing location.

- Using the provided Collet tool, disconnect the ¼” lines on both ends of the existing **Stage 4: Remineralizing filter**.
 - Detach existing Remineralizing filter from retainer clips.
 - Install new **Stage 4 Remineralizing filter** back into retainer clips.
 - Make sure the flow indicator » on the replacement filter is pointing to the right » following the flow of water through the system. »»Water Flow»»
 - Re-attach ¼” lines to filter.

- Using the provided Collet tool, disconnect the 3/8” line (usually Blue in color) at the T-Fitting on the **Stage 5: Taste & Odor Filter**.
 - Disconnect White ¼” line at the T- fitting on Stage 5 Filter.
 - Disconnect ¼” line at the opposite end of the T-Fitting which feeds the Ionizer/faucet water.
 - Detach existing Stage 5 filter from retainer clips.
 - Install new **Stage 5: Taste & Odor Filter** back into retainer clips.
 - Make sure the flow indicator » on the replacement filter is pointing to the right » following the flow of water through the system. »»Water Flow»»
 - Reconnect 1/4" white line to T-fitting coming from the pump.
 - Reconnect 3/8” Blue line to T-fitting that attaches to the RO tank.
 - Reconnect 1/4” line to the output of the **Stage 5: Taste & Odor Filter** that feeds Ionizer/Faucet.

- **With the Ionizer/Faucet off**, open the tank ball valve.

- Turn on the main water supply to the RO system.

- Check for leaks.

The upgrade is now complete, and the system will begin making water.

IMPORTANT NOTE: The RO tank should be filled and emptied at a minimum of two complete times prior to drinking water. The third tank of RO water should be okay to drink. During this time please inspect all hose connections to make sure there are no leaks. If any leaks appear, make sure all hoses are fully inserted into the accompanying fittings. For additional assistance, please submit a support ticket to <http://alkaviva.com/repairs.php>.

Membrane Replacement

Membranes have a life expectancy between 18 and 24 months, depending on the incoming water conditions and the amount the RO system is used. This Reverse Osmosis Membrane is critical for effective reduction of hardness and total dissolved solids (TDS). The product water should be tested periodically to verify that the system is performing satisfactorily. Normally, a membrane would be replaced during a semiannual or annual filter change. However, if at any time you notice a reduction in water production or an unpleasant taste in the Reverse Osmosis water, it could be time to replace the membrane. AlkaViva recommends replacing the membrane when hardness or TDS reduction falls below 75%.

Step 1

Turn off the incoming water supply to the RO.

Step 2

If you are using your RO in conjunction with an ionizer, turn on your ionizer, otherwise, open the RO Faucet and allow water to drain from the tank until it is completely empty. You will know the tank is empty when either the ionizer shuts off on its own, or the water coming from the RO faucet comes out at a slow trickle.

Removing the Membrane:**Step 1**

Use a 5/8" wrench to remove the White Tube fitting on the left side of the horizontal membrane housing (end with one elbow).

Step 2

Remove the cap from the membrane housing by turning it counter-clockwise to loosen.

Step 3

Remove membrane housing from the holding clips. Using a pair of pliers, grip the PVC tube of the RO membrane and pull firmly on the membrane to remove from the housing and discard.

Installing the Membrane:**Step 4**

Lubricate the O-rings on the new membrane with a water soluble lubricant such as KY Jelly[®]. Insert the end with the two black O-rings first into the housing.

Step 5

Once membrane has been inserted into the housing you must take your thumbs and give a firm push to properly seat the membrane. Replace membrane housing cap and tighten.

Step 6

After replacing membrane housing into clips, attach the white tube to the elbow on cap using 5/8" wrench.