AlkaViva Reverse Osmosis Filter Replacement Package
(Excluding 100GPD Membrane)

You may notice some differences with your RO Filter Replacement Package. That is because AlkaViva is upgrading your system to give you the best remineralized, contaminant free, pure RO water that you can get. AlkaViva always strives to bring you the cutting edge in clean water technology, and this new filter configuration will ensure that your system produces the best possible RO water you can achieve regardless your source water.

This upgrade includes:

- ✓ **Stage 1:** Sediment Filter
- ✓ **Stage 2:** Pre-Carbon Filter
- ✓ **Stage 3:** Membrane Housing (Membrane is purchased separately, item # 7000313)
- ✓ **Stage 4:** Remineralizing Filter
- ✓ **Stage 5:** Taste & Odor Filter and 1 or 2 blank (empty) filter(s) (depending on your ionizer model) that will replace the internal filter(s) currently in your ionizer.

IMPORTANT NOTE: You will only need to do this once. For your next filter exchange, please order Item Number 7000302. This item is available through your dealer or can be found on www.AlkaViva.com.

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.

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.

- ☐ Using the provided collet tool, disconnect the following tubes:
  - Tank supply tube at tank ball valve. Most of these are 3/8” and BLUE.
  - Ionizer supply tube at ionizer tap water inlet.

        - If you are using your RO/Ionizer with an AlkaViva Double Spouted faucet, the tube will need to be disconnected at the outlet of the final stage of the RO due to inability to disconnect the tube at the faucet.
    - RO waste water drain tube at the drain saddle. Most of these are ¼" and BLACK.
    - The short ¼" WHITE tube connecting the stage 2 Pre-carbon filter housing out to the auto-shutoff valve at the filter housing outlet.

- ☐ The entire upper filter module (horizontal filter assembly located on top of the RO filter module) including the disconnected hoses can now be removed. This is completed by pulling straight up on the stage 3 RO membrane filter from its holding clips on top of the RO filter module.

    - **NOTE:** If you did NOT purchase the RO membrane for replacement at this time, your current membrane will need to be removed from the membrane housing for transfer into the new membrane housing that came with your replacement upper filter module. See membrane replacement instructions at the bottom of this page for information on how to remove and re-install your membrane.

- ☐ Install the new filter module by pressing the membrane housing straight down onto the clips oriented so that the loose-ended, short, ¼", White tube that is connected to the auto-shutoff valve is on the same side as the stage 2 Pre-carbon outlet, and re-connect the tubes as follows:
    - Install the short ¼" WHITE tube that is connected to the auto-shutoff valve to the stage 2 Pre-carbon outlet.
    - Install the ¼" BLACK waste water tube to the waste water drain saddle.
    - Install the 3/8" BLUE tank supply tube to the RO Tank ball valve.
    - Install the long ¼" WHITE RO water supply tube that is connected to the stage 5 taste/odor outlet to the tap water inlet located on the bottom on the ionizer.
        - If you are using your RO/Ionizer with the AlkaViva Double Spouted Faucet, disconnect this tube from the stage 5 outlet, and connect the faucet supply hose to the outlet of stage 5 taste/odor filter.

- ☐ With the ionizer/faucet off, open the tank ball valve.

- ☐ Turn on the main water supply to the RO system.
    - 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 contact AlkaViva Technical Support at 775-324-2400 Option 2.

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.