

Piggyback Kit

(upgrade your 90 gpd system to a 180)



INSTALLATION INSTRUCTIONS

Installation for Piggyback Kit

1. Locate the 1/4" Yellow tubing (brine line) on the existing RO membrane housing. Remove the tubing and discard the existing flow restrictor. (Do not throw away the yellow line)
2. Install the two double sided clips onto the existing membrane housing. Orient the new RO membrane housing as shown in Fig. 1. Push the membrane housing into the clips.
3. Locate the 1/4" black tubing included with the kit. Install this tubing between the waste water port on the first membrane housing and the feed port on the second membrane housing.
4. Disconnect the 1/4" blue tubing from the product water port of the first membrane housing. Locate the 1/4" blue tubing included with the kit. Connect this 1/4" blue tubing from the product water port of the first membrane housing to the "y" connector on the product water port of the second membrane housing.
5. Reinstall the 1/4" blue tubing disconnected from the product water port of the first membrane housing onto the open port of the "y" on the second membrane housing.
6. Locate the flow restrictor included with this kit. Install it into the BRINE port on the second membrane housing. Then reinstall the 1/4" yellow tubing onto this port.
7. Turn the system on and run for 15-20 minutes so that the new membrane can soak up water. Check for leaks and tighten necessary connections.
8. Collect waste water (yellow line) and product water (blue line) in a measuring cup for 1 minute each. You should be producing 4X more waste water than product water. If your system is producing less than a 4:1 ratio, you will need to adjust the flow restrictor (capillary tube that was inserted into the waste line).

HOW TO ADJUST FLOW RESTRICTOR:

- Take the collected product water (blue line) and measure the amount in milliliters.
- Look up the milliliter amount on chart below and cut the flow restrictor to the total length indicated.

Example: Millileters from product line is 379, then the total length for the flow restrictor is 5 inches.

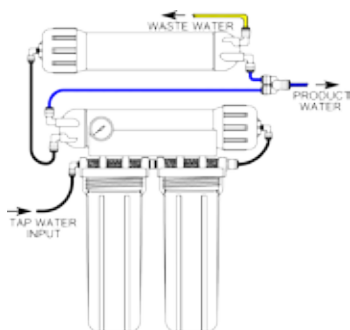


Figure 1: Installation of Piggyback Kit

FR-180 (GREEN)

PRODUCT RATE		CUT TO LENGTH	
ml/min	gpd	in.	cm.
490	186	1	2.5
460	175	2	5.1
430	163	3	7.6
400	152	4	10.2
379	144	5	12.7
356	135	6	15.2
344	131	7	17.8
326	124	8	20.3
311	118	9	22.9
300	114	10	25.4
289	110	11	27.9
281	107	12	30.5
270	103	13	33.0
263	100	14	35.6
259	98	15	38.1
256	97	16	40.6

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SpectraPure[®] Inc. assumes no responsibility for water damage due to leaks. It is the user's responsibility to determine that the system is leak-free.

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