

## **Piggy-Back Kit**

(upgrade your 90 gpd system to a 180)



### **INSTALLATION INSTRUCTIONS**

## Installation for Piggy Back 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.

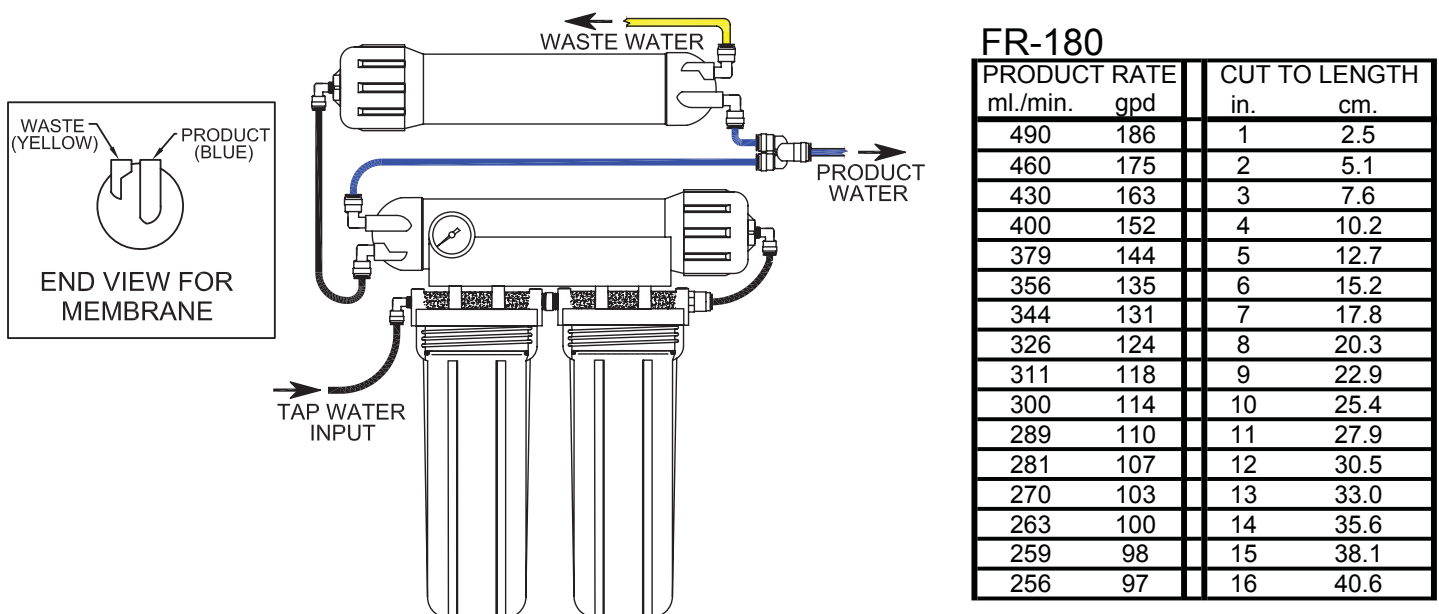


Figure 1: Installation of Piggy-Back Kit

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1. Shipping charges on units or parts submitted to our facility for repair or replacement must be borne by the registered purchaser. After repair or replacement, the factory will return the unit or part freight prepaid to the customer.
2. We assume no warranty liability in connection with our equipment other than as herein specified.
3. This warranty is in lieu of all other warranties expressed or implied, including warranties of fitness for a particular purpose.
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10. All returned checks (due to insufficient funds or closed accounts) will be subjected to a **\$25 penalty charge**.  
Invoices on Net 30 accounts not paid within 30 days of shipment will be considered delinquent and will accrue Finance charges at the rate of 1.5% per month (18% per annum).

**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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Effective on products purchased after March 10, 2005.

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SpectraPure, Inc.® warrants the product to the original owner only to be free of defects in material and workmanship for a period of one year from the date of receipt. SpectraPure's liability under this warranty shall be limited to repairing or replacing at SpectraPure's option, without charge, F.O.B. SpectraPure's factory, any product of SpectraPure's manufacture. SpectraPure will not be liable for any cost of removal, installation, transportation or any other charges which may arise in connection with a warranty claim. Products which are sold but not manufactured by SpectraPure are subject to the warranty provided by the manufacturer of said products and not by SpectraPure's warranty. SpectraPure will not be liable for damage or wear to products caused by abnormal operating conditions, accident, abuse, misuse, unauthorized alteration or repair or, if the product was not installed in accordance with SpectraPure's or other manufacturer's printed installation and operating conditions, or damage caused by hot water, freezing, flood, fire or acts of God.

SpectraPure will not be responsible for any consequential damages arising from installation or use of the product, including any water or mold damage due to flooding which may occur due to malfunction or faulty installation, including, but not limited to failure by installer to over- or under-tighten fittings, housings, and/or push-style fittings, or improper installation of push-style fittings.

SpectraPure warrants (pro-rated) the performance of tested SpectraSelect™ RO membrane elements only, for one year from date of receipt by the buyer, providing that the loss of performance was not caused by fouling, neglect or water conditions exceeding the feed water parameters listed in the applicable product manual (refer to detailed membrane warranty information). SpectraPure will, on confirmation of loss of performance during the warranty period, credit the pro-rated amount of the current catalog price of the element. The disposable filters and cartridges are not covered under the warranty.

To obtain service under this warranty, the defective system or components must be returned to SpectraPure with proof of purchase, installation date, failure date and supporting installation data. Any defective product to be returned to the factory must be sent freight prepaid; documentation supporting the warranty claim and a Return Goods Authorization (RGA) number must be included. SpectraPure will not be liable for shipping damages due to the improper packaging of the returned equipment and all returned goods must also have adequate insurance coverage and a tracking number.

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**\* The one year limited warranty does not apply to consumable items, including but not limited to, filters and cartridges unless specifically stated above**