INSTALLATION GUIDE

RO Membrane for Large Elix and RiOs

RephiLe Catalogue Number:
RAR0050HG
Corresponding Millipore Part Numbers:
CDRC050HG
Suitable Millipore Systems: **RiOs 50, 100, 150, 200** (need 1 to 4 membranes) **Elix 35, 70, 100** (need 1, 2 and 3 membranes) **Elix Clinical 35, 70** (need 1and 2 RO membranes)

This product is comparable to the corresponding Millipore RO membrane inside its housing. Need to reuse the existing housing.



Attention!

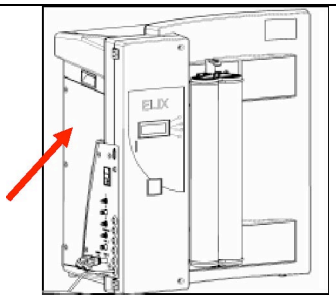
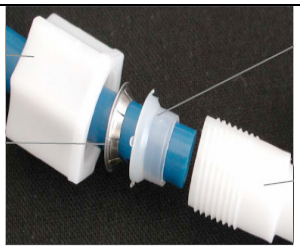
RO membrane needs to be flushed after installation

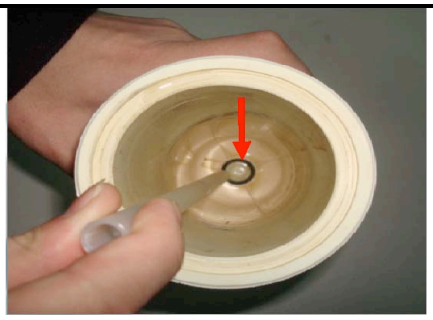
Items Included the Package:

RO membrane x 1Small O-rings for the RO membrane x 2 (use in Step 5)O-ring seal for the housing x 1 (use in Step 7)Fixing rod for O-rings x 1

Tolls Needed (not included): Allen ranch

Installation Procedure

Step	Operation	Graph
1	•Press the **OPERATE/STANDBY** button to let system into Standby mode •Turn power off •Open the left side panel on the system (see Arrow)	
2	•Remove the RO housing holder •**Label each pair of tubing and its port,** then remove three tubing from the housing (Feed and Reject connector types are indicated in the graph, Product water outlet is a quick connector).	
3	•Remove the RO membrane housing from the system •Use an Allen ranch, remove the bolts on the holder of the RO housing, remove the housing holder •Open the housing, remove the O-ring seal in-between housing halves (indicated by the arrow in the graph)	
4	• Remove the RO membrane inside the housing and O-rings on both ends of the membrane (indicated by arrows). If there is no O-ring on the membrane, then they are inside the housing. Remove them. Discard these two small O-rings	

5	•Clean the housing •Take the attached **NEW** small O-rings in the package, wet with water •Install one O-ring to each end of the housing as shown in the graph. Use the provided rod to seat O-rings firmly into the bottom of the housing.	
6	•Remove the new RO membrane •Gently insert the RO **membrane with large O-ring end (indicated by the arrow in the graph) in first** into the RO housing half that has two water outlets	
7	•Seat the **NEW** large O-ring seal in the bag onto the groove on the RO housing half •Close two halves of the housing •Install the housing holder back, tighten the bolts with an Allen ranch	
8	•Reconnect tubing to the RO housing as they were (feed, reject and product water) •Re-install the RO membrane housing into its position	
9	•Power up the system •Run RO cleaning program (described in the next step) •Check RO rejection rate (> 95%) and water leakage from tubing connections •Install the side panel	

Proceed to the RO Cleaning Procedure!

RO cleaning must be performed for all new RO membrane installations.

RO Cleaning Procedure (Must be performed for all new RO membrane installations)

Step	Operation	Display
1	Set the system to **STANDBY** mode	STANDBY SETUP MAINTENANCE PRODUCTION
2	Press **MAINTENANCE** button	STANDBY SETUP MAINTENANCE ← PRODUCTION
3	Press the arrow key	MAUNTENANCE DATA EXCH PROGARD PACK EXCHANGE POLISHER ← →
4	Press **PH CLEAN**	MAINTENANCE PH CLEAN ← CL2 CLEAN →
5	System checks feed water pressure	TESTING FEED PRESS PLEASE WAIT ...
6	System enters 85-minutecleaning program. System displays countdown timer	PH CLEANING FLUSHING R TIME 85min
7	After RO Cleaning, system is ready for use	