

# AMI<sup>®</sup> MEMBRANES

## TECHNICAL DATA SHEET SEAWATER RO MEMBRANE

### 6" × 40" SEAWATER DESALINATION REVERSE OSMOSIS MEMBRANE ELEMENT

<b>Model Number:</b>	<b>M-S6040A</b>
<b>Flow Rate:</b>	2,500 Gallons per Day (9,464 Liters per Day)
<b>Salt Rejection:</b>	99.6% Stabilized, 99.2% Minimum
<b>Approximate Size:</b>	6" Dia. x 40" Length
<b>Applied Pressure:</b>	800 psi
<b>Single Element Recovery:</b>	8%
<b>Exterior:</b>	Hard Shell Fiberglass

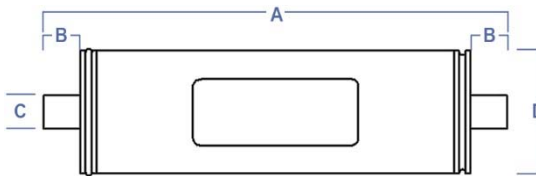
Note: Permeate flow and salt rejection based on 32,000 ppm NaCl feed stream, 77°F (25°C) feed water temperature, pH 8, with pressure and recovery listed above. Element Permeate flow may vary +/- 20%.



### OPERATING CONDITIONS

<b>Maximum Operating Temperature:</b>	113°F (45°C)	<b>pH Range, Continuous Operation</b>	2-11
<b>Maximum Operating Pressure:</b>	1,000 psig (69 bar)	<b>pH Range, Short-Term Cleaning</b>	1-13
<b>Maximum Feed Flow Rate:</b>	28 gpm (6.3 m <sup>3</sup> /hr)	<b>Maximum Silt Density Index (15 min)</b>	SDI 5
<b>Maximum Feed Turbidity:</b>	1 NTU	<b>Free Chlorine Tolerance:</b>	<0.1 ppm

### DIMENSIONS



<b>A</b>	40.0" (101.6 cm)
<b>B</b>	1.27" (3.2 cm)
<b>C</b>	1.50" (3.8 cm)
<b>D</b>	5.97" (15.2 cm)

### COMPATIBILITY INFORMATION

<b>Replaces Elements</b>	<b>For use in Parker Racor Village Marine Systems</b>
<b>AquaPro 33-0036</b> <b>DOW FilmTec SW30-6040</b>	LT Watermaker: LT-7000; SW Series Offshore Desalinators: SW 24, SW 32, SW 40; Pure Water: PW-7000, PW-8000, PW-10000, PW-12000, PW-16000, PW-18000 Pure Water Modular: PWM-7000, PWM-8000, PWM-10000, PWM-12000, PWM-16000, PWM-18000

### IMPORTANT OPERATING INFORMATION

1. Prevent elements from freezing or being exposed to direct sunlight.
2. Discard the permeate from the first hour of operation.
3. Permeate flow varies with feed water temperature and pressure.
4. Membrane Elements for residential systems have a one-year warranty from the date of shipment. Warranty is void for membrane elements fouled by suspended solids, precipitates or biological growth. Membrane warranty is also void if the membrane elements are improperly used, poorly maintained or improperly stored.
5. Applied Membranes' obligation under this warranty is limited to and shall be fully discharged by repairing or replacing any defective part FOB its works. Applied Membranes shall not be liable for damages or delay caused by defective material. Please refer to detailed warranty information.
6. Warranty claims for membrane elements must be made as detailed in Membrane Warranty Claims Bulletin.

**APPLIED**  
**MEMBRANES INC.<sup>®</sup>**

Industry Leader in RO Expertise and Membrane Applications Since 1983<sup>™</sup>