

MEMBRANE ELEMENT

PMES2-4021HR

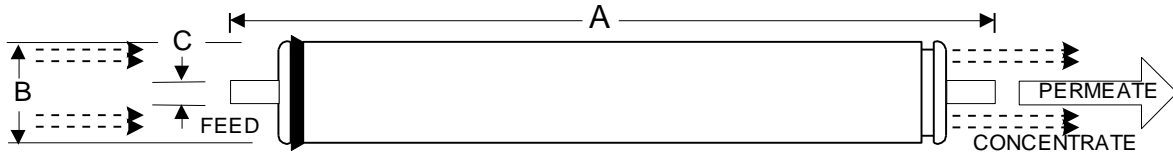
Low Energy & High Rejection

SPECIFICATIONS

| | |
|----------------------------|-----------------------------------|
| Nominal Membrane Area: | 28.6 sq.ft |
| Permeate Flow: | 1,000 gpd (3.8 m ³ /d) |
| Stabilized Salt Rejection: | 99.6 % |
| Membrane Polymer: | Polyamide Thin-Film Composite |

The stated performance is based on the following conditions:

1500 ppm NaCl
 150 psi (1.05 MPa) Applied Pressure
 77 °F (25 °C) Operating Temperature
 10% Permeate Recovery
 pH 7.5



| A, inches (mm) | B, inches (mm) | C, inches (mm) | Weight, lbs. (kg) |
|----------------|----------------|----------------|-------------------|
| 21 (533) | 3.95 (100) | 0.75 (19) | 4 (1.8) |

OPERATING DATA

| | |
|--|---------------------|
| Maximum Applied Pressure: | 300 psig (2.1 MPa) |
| Free Chlorine Tolerance: | < 0.1 ppm |
| Maximum Operating Temperature: | 113 °F (45 °C) |
| Continuous pH Range (Cleaning): | 2.5 – 10.5 (2 - 12) |
| Maximum Feedwater Turbidity: | 1.0 NTU |
| Maximum Feedwater SDI (15 mins): | 5.0 |
| Maximum Feed Flow: | 12 gpm (45 l/m) |
| Minimum Ratio of Concentrate to Permeate Flow for any Element: | 5:1 |
| Maximum Pressure Drop: | 10 psi |

NOTICE:

PERMEATE FLOW FOR AN INDIVIDUAL ELEMENT MAY VARY + OR - 15 PERCENT. ALL MEMBRANE ELEMENTS HAVE A BRINE SEAL, INTERCONNECTOR, AND O-RINGS IN A SEALED POLYETHYLENE PLASTIC BAG. USE GLYCERIN OR SILICON ONLY FOR LUBRICATION OF SEALS AND O-RINGS. ALWAYS AVOID STATIC PERMEATE BACKPRESSURE. WE OFFER DATA IN GOOD FAITH BUT WITHOUT GUARANTEE. PLEASE REFER TO THE APPLICATION INFORMATION LITERATURE ENTITLED OPERATION GUIDELINES FOR MORE INFORMATION BEFORE INSTALLING AND OPERATING THE ELEMENTS.