



MEMBRANE ELEMENT

PMNF2-400LF

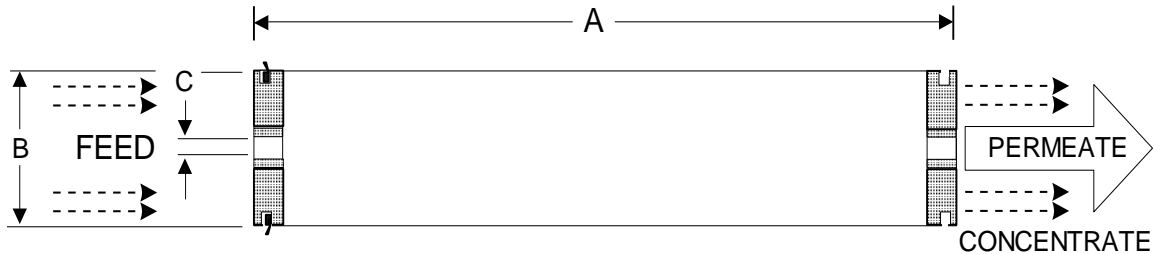
Low Fouling Technology & Low Energy

SPECIFICATIONS

| | |
|------------------------------|------------------------------------|
| Nominal Membrane Area: | 400 sq.ft |
| Permeate Flow: | 12000 gpd (45.4 m ³ /d) |
| MgSO ₄ Rejection: | 97% |
| Membrane Polymer: | Polyamide Thin-Film Composite |
| Feed Spacer thickness: | 34 mil (0.864 mm) |

The stated performance is based on the following conditions:

2000 ppm MgSO₄
 70 psi (0.48 MPa) Applied Pressure
 77 °F (25 °C) Operating Temperature
 15% Permeate Recovery
 pH 7.5



| A, inches (mm) | B, inches (mm) | C, inches (mm) | Weight, lbs. (kg) |
|-------------------|-------------------|-------------------|----------------------|
| 40.0 (1016) | 7.89 (200) | 1.125 (28.6) | 33 (15) |

OPERATING DATA

| | |
|--|---------------------------------|
| Maximum Applied Pressure: | 600 psig (4.16 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: | 75 gpm (17.0 m ³ /h) |
| Minimum Ratio of Concentrate to Permeate Flow for any Element: | 5:1 |
| Maximum Pressure Drop: | 15 psi |

NOTICE:

Permeate flow for individual element may vary + or - 15 percent. All membrane elements are supplied with 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. Static permeate back pressure must be always avoided. The information and data are offered 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. Specifications can be modified without prior notice.