MEMBRANE ELEMENT

PMNF1-300LF

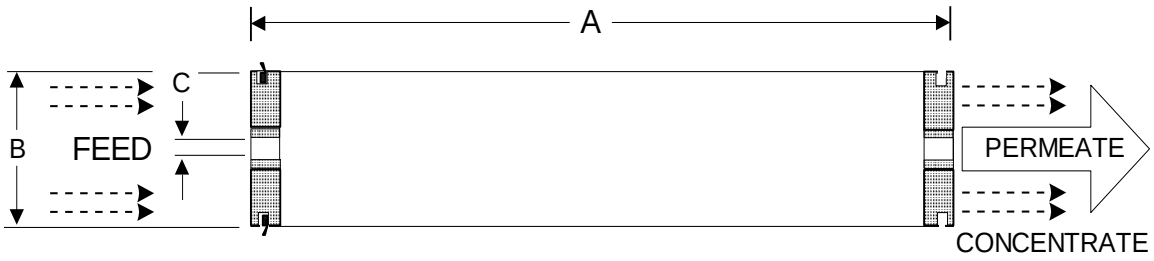
Low Fouling Technology & Low Energy

SPECIFICATIONS

Nominal Membrane Area:	300 sq.ft
Permeate Flow:	10,000 gpd (37.8 m^3/d)
NaCl Rejection:	30 - 45%
MgSO4 Rejection:	97%
Membrane Polymer:	Polyamide Thin-Film Composite
Feed Spacer thickness:	46 mil

The stated performance is based on the following conditions:

500 ppm NaCl, 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.

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