



MEMBRANE ELEMENT

PMES1-4040LF

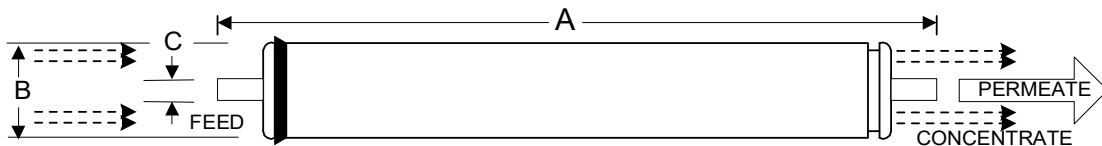
L⁴E™ Technology (Low Fouling • Low Pressure Drop • Low Energy • Low Salt Passage)

SPECIFICATIONS AND PRODUCT DESCRIPTION

Configuration:	Spiral Wound
Membrane Polymer:	Polyamide Thin-Film Composite
Active Area:	80 ft ² (7.4 m ²)
Feed Spacer Thickness:	34 mil (0.864 mm)
Permeate Flow:	2,500 gpd
Stabilized Salt Rejection (Minimum):	99.4%

The stated performance is based on the following conditions:

1,500 ppm NaCl
 150 psig (1.05 MPa) Applied Pressure
 77°F (25°C) Operating Temperature
 15% Permeate Recovery
 pH 8.0



A, inches (mm)	B, inches (mm)	C, inches (mm)	Weight, lbs (Kg)
40.0 (1,016)	3.95 (100.3)	0.75 (19)	8 (3.6)

OPERATING DATA

Maximum Applied Pressure:	600 psig (4.14 MPa)
Free Chlorine Tolerance:	< 0.1 ppm
Maximum Operating Temperature:	113°F (45°C)
Continuous pH Range (Cleaning):	2 – 11 (1 – 13)
Maximum Feedwater Turbidity:	1.0 NTU
Maximum Feedwater SDI ₁₅ :	5.0
Maximum Pressure Drop for Each Element:	15 psig (0.10 MPa)
Maximum Feed Flow:	16 gpm (3.6 m ³ /h)
Minimum Ratio of Concentrate to Permeate Flow for any Element:	5:1

NOTICE: Permeate flow for individual membrane elements may vary by ±15% from the nominal specified value. Elements are supplied with a brine seal, interconnector, and O-rings in sealed polyethylene packaging. Use only glycerin or silicone-based lubricants for seals and O-rings. Static permeate back pressure must be always avoided.

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