



**MEMBRANE ELEMENT**

**PMBW-400XLF**

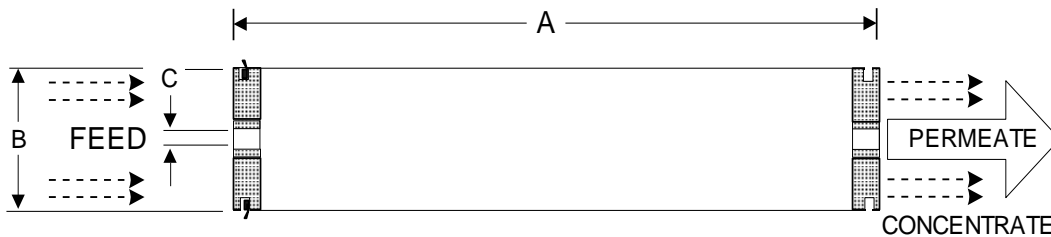
Extreme Low Fouling & Low Pressure Drop

**SPECIFICATIONS**

Configuration:	Low Fouling Spiral Wound
Membrane Polymer:	Polyamide Thin-Film Composite
Active Area:	400 ft <sup>2</sup> (37.2 m <sup>2</sup> )
Feed Spacer Thickness:	34 mil (0.864 mm)
Permeate Flow:	11,500 gpd (43.5 m <sup>3</sup> /d)
Stabilized Salt Rejection (Minimum):	99.8% (99.7%)

The stated performance is based on the following conditions:

2,000 ppm NaCl  
 225 psig (1.55 MPa) Applied Pressure  
 77°F (25°C) Operating Temperature  
 15% Permeate Recovery  
 pH 6.5 – 7.0  
 Stabilized Rejection: NH<sub>4</sub><sup>+</sup> (98.8%), NO<sub>3</sub><sup>-</sup> (98.2%), SiO<sub>2</sub> (99.8%), Boron (80.0%)



A, inches (mm)	B, inches (mm)	C, inches (mm)	Weight, lbs (Kg)
40.0 (1,016)	7.9 (201)	1.125 (28.6)	33 (15)

**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 <sub>15</sub> :	5.0
Maximum Pressure Drop for Each Element:	15 psig (0.10 MPa)
Maximum Feed Flow:	85 gpm (19.3 m <sup>3</sup> /h)
Minimum Ratio of Concentrate to Permeate Flow for any Element:	5:1

**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.