



**MEMBRANE ELEMENT**

**PMBW-400PRO**

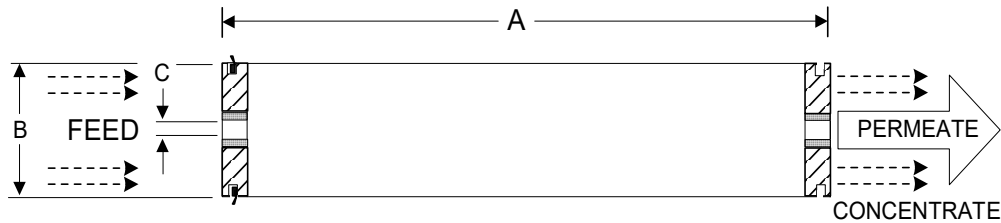
**Standard Brackish Water RO Element**

**SPECIFICATIONS AND PRODUCT DESCRIPTION**

Configuration:	Spiral Wound
Membrane Polymer:	Polyamide Thin-Film Composite
Active Area:	400 ft <sup>2</sup> (37.2 m <sup>2</sup> )
Feed Spacer Thickness:	28 mil (0.711 mm)
Permeate Flow:	10,500 gpd (40.0 m <sup>3</sup> /d)
Stabilized Salt Rejection:	99.5%

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



A, inches (mm)	B, inches (mm)	C, inches (mm)	Weight, lbs (Kg)
40.0 (1016)	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 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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