



Membrane Element

CPA2-4040

Performance:

Permeate Flow:

2,250 gpd (8.5 m³/d)

Salt Rejection:

99.5% (99.2% minimum)

Type

Configuration:

Membrane Polymer: Membrane Active Area: Composite Polyamide

 $85 \text{ ft}^2 (7.9 \text{ m}^2)$

Spiral Wound

Application Data*

Maximum Applied Pressure:

600 psig (4.14 MPa) < 0.1 PPM

Maximum Chlorine Concentration: Maximum Operating Temperature: pH Range, Continuous (Cleaning): Maximum Feedwater Turbidity:

113 °F (45 °C) 2-10 (1-12)*

Maximum Feedwater SDI (15 mins):

1.0 NTU 5.0

Maximum Feed Flow:

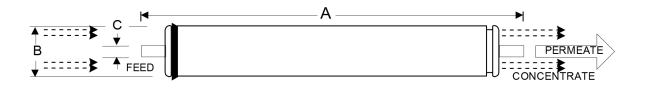
16 GPM (3.6 m³/h)

Minimum Ratio of Concentrate to Permeate Flow for any Element:

Test Conditions

The stated performance is initial (data taken after 30 minutes of operation), based on the following conditions:

1500 PPM NaCl solution 225 psi (1.55 MPa) Applied Pressure 77 °F (25 °C) Operating Temperature 15% Permeate Recovery 6.5 - 7.0 pH Range



A, inches (mm) 40.00 (1016) B, inches (mm) 3.95 (100.3) C, inches (mm) 0.75 (19.1)

Weight, lbs. (kg) (3.6)

Core tube extension = 1.05" (26.7 mm)

Permeate flow for individual elements may vary + 33 or - 15 percent. All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are enclosed in a sealed polyethylene bag containing less than 1.0% sodium meta-bisulfite solution and 10% propylene glycol, and then packaged in a cardboard

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^{5:1} Maximum Pressure Drop for Each Element: 15 psi

^{*} The limitations shown here are for general use. For specific projects, operating at more conservative values may ensure the best performance and longest life of the membrane. See Hydranautics Technical Bulletins for more detail on operation limits, cleaning pH, and cleaning temperatures.