

Membrane Element

CAB3-8040

Performance:

Permeate Flow:	4,500 gpd (17.0 m ³ /d)
Salt Rejection:	
Nominal	99.0 %
Minimum	98.5 %

Type

Configuration:	Spiral Wound
Membrane Polymer:	Blend Cellulose Acetate
Nominal Membrane Area	340 ft ²

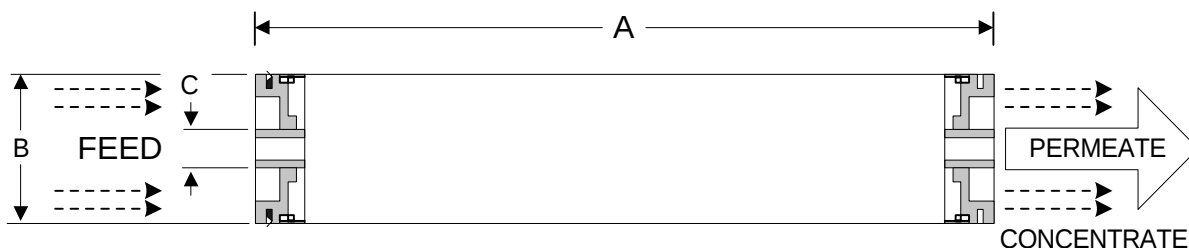
Application Data

Maximum Applied Pressure:	600 psig (4.14 MPa)
Feedwater Chlorine Concentration:	0.3 - 0.5 PPM (1.0 PPM maximum)
Maximum Operating Temperature:	104 °F (40 °C)
Feedwater pH Range:	4.0 - 6.0
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 for Each Element:	10 psi

Test Conditions

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

2000 PPM NaCl solution
420 psi (2.89 MPa) Applied Pressure
77 °F (25 °C) Operating Temperature
10% Permeate Recovery
5.0 - 6.0 pH Range



Core tube ID = 1.125" (28.6 mm)

A, inches (mm)	B, inches (mm)	C, inches (mm)	Weight, lbs. (kg)
40.0 (1016)	7.95 (201.9)	1.50 (38.1)	36 (16.4)

Notice: Permeate flow for individual elements may vary + or - 15 percent. All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are vacuum sealed in a preservative solution containing copper sulfate and glycerine, and then packaged in a cardboard box.

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8/17/98