





Membrane Element	ESPA4	
Permeate Flow: Salt Rejection (minimum): (average):	12,000 gpd (45.4 m ³ /d) 99.0 % 99.2 %	
Configuration: Membrane Polymer: Nominal Membrane Area:	Spiral Wound Composite Polyamide 400 ft ²	
Maximum Applied Pressure: Maximum Chlorine Concentration: Maximum Operating Temperature: Feedwater pH Range: Maximum Feedwater Turbidity:	600 psig (4.16 MPa) < 0.1 PPM 113 °F (45 °C) 3.0 - 10.0 1.0 NTU	

5.0

10 psi

75 GPM (17.0 m³/h)

Test Conditions

Performance:

Application Data

Type

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

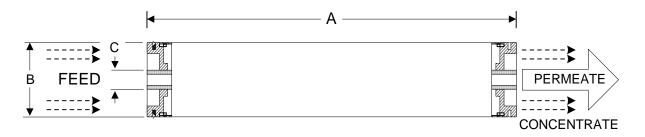
500 PPM NaCl solution 100 psi (0.7 MPa) Applied Pressure 77 °F (25 °C) Operating Temperature 15% Permeate Recovery 6.5 - 7.0 pH Range

Maximum Feedwater SDI (15 mins):

Maximum Pressure Drop for Each Element:

Minimum Ratio of Concentrate to Permeate Flow for any Element:

Maximum Feed Flow:



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 enclosed in a sealed polyethylene bag containing less than 1.0% sodium meta-bisulfite solution, and then packaged in a cardboard box.

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