

Membrane Element

ESPA1-4014

Performance:	Permeate Flow:	500 gpd (1.9 m ³ /d)
	Salt Rejection: Minimum	98.0 %

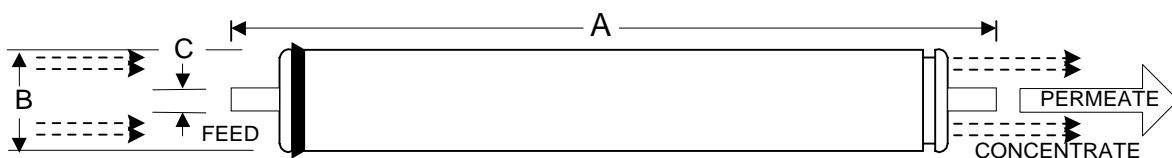
Type	Configuration:	Spiral Wound
	Membrane Polymer:	Composite Polyamide
	Nominal Membrane Area:	16.9 ft ²

Application Data	Maximum Applied Pressure:	300 psig (2.1 MPa)
	Maximum Chlorine Concentration:	< 0.1 PPM
	Maximum Operating Temperature:	113 °F (45 °C)
	Feedwater pH Range:	3.0 - 10.0
	Maximum Feedwater Turbidity:	1.0 NTU
	Maximum Feedwater SDI (15 mins):	5.0
	Maximum Feed Flow:	12 GPM (45.4 l/m)
	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:

1500 PPM NaCl solution
150 psi (1.03 MPa) Applied Pressure
77 °F (25 °C) Operating Temperature
10% Permeate Recovery
6.5 - 7.0 pH Range



<u>A, inches (mm)</u>	<u>B, inches (mm)</u>	<u>C, inches (mm)</u>	<u>Weight, lbs. (kg)</u>
14.0 (356)	3.95 (100)	0.75 (19.1)	3 (1.4)

Core tube extension = 1.2" (30.5 mm)

Notice: Minimum permeate flow for individual elements 15 percent below listed flow. All membrane elements are supplied with a brine seal. Elements are vacuum sealed in a polyethylene bag containing less than 1.0% sodium meta-bisulfite and 10 % propylene glycol solution, and then packaged in a cardboard box.

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