



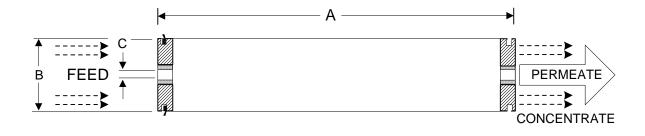
	Membrane Element	ESPA1	
Performance:	Permeate Flow: Salt Rejection (Nominal): (Minimum):	12,000 gpd (45.4 m <sup>3</sup> /d) 99.3 % 99.0%	
Туре	Configuration: Membrane Polymer: Nominal Membrane Area:	Spiral Wound Composite Polyamide 400 ft <sup>2</sup>	
Application Data*	Maximum Applied Pressure: Maximum Chlorine Concentration: Maximum Operating Temperature: Feedwater pH Range: Maximum Feedwater Turbidity: Maximum Feedwater SDI (15 mins): Maximum Feed Flow: Minimum Ratio of Concentrate to Permeate Flow for any Element: Maximum Pressure Drop for Each Element:	600 psig (4.16 MPa) < 0.1 PPM 113 °F (45 °C) 3.0 - 10.0 1.0 NTU 5.0 75 GPM (17.0 m³/h) 5:1 10 psi	

<sup>\*</sup> The limitations shown here are for general use. The values may be more conservative for specific projects to ensure the best performance and longest life of the membrane.

## **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 (1.05 MPa) Applied Pressure 77 °F (25 °C) Operating Temperature 15% Permeate Recovery 6.5 - 7.0 pH Range



A, inches (m	m) B, inches (mr	m) C, inches (mm	) Weight, lbs. (kg)
40.0 (101	6) 7.95 (201.	.9) 1.125 (28.6)	36 (16.4)

**Notice:** Permeate flow for individual elements may vary + 25 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 box.

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3/22/07