

## Membrane Element

## ESPA1-2514

<b>Performance:</b>	Permeate Flow:	150 gpd (0.6 m <sup>3</sup> /d)
	Salt Rejection: Minimum	98.0 %

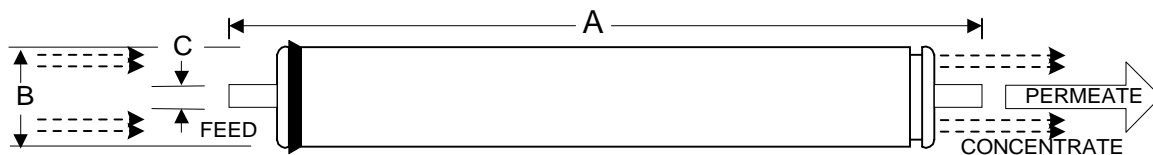
<b>Type</b>	Configuration:	Spiral Wound
	Membrane Polymer:	Composite Polyamide
	Nominal Membrane Area:	6 ft <sup>2</sup>

<b>Application Data</b>	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:	6 GPM (23 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



A, inches (mm)	B, inches (mm)	C, inches (mm)	Weight, lbs. (kg)
14.0 (355.6)	2.4 (61)	0.75 (19.1)	1 (0.45)

Core tube extension = 1.2" (30.5 mm)

**Notice:** Permeate flow for individual elements may vary + or - 15 percent. 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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