

## Membrane Element

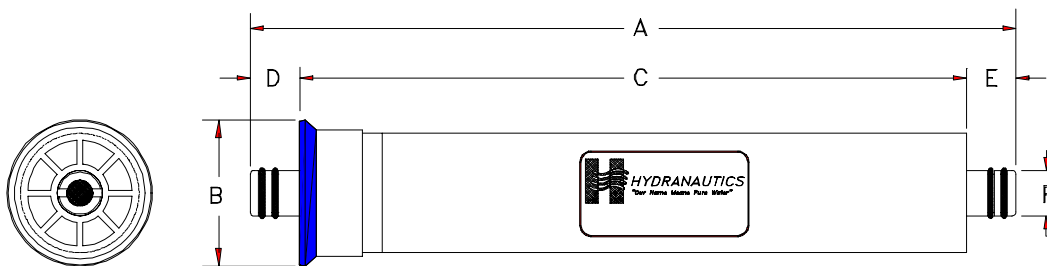
## ESPA1-2026

<b>Performance:</b>	Permeate Flow:	350 gpd (1.33 m <sup>3</sup> /d)
	Salt Rejection: Minimum	98.0 %
<b>Type</b>	Configuration:	Spiral Wound
	Membrane Polymer:	Composite Polyamide
	Nominal Membrane Area:	12.0 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:	3 GPM (11 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 (1.04 MPa) Applied Pressure  
77 °F (25 °C) Operating Temperature  
10% Permeate Recovery  
6.5 - 7.0 pH Range



A, inches (mm)  
26.0 (660)

B, inches (mm)  
Fits 2"sch 40 PVC pipe

C, inches (mm)  
23.8 (600)

F, inches (mm)  
0.68 (17)

Weight, lbs. (kg)  
1.5 (0.75)

Core tube extensions: D = 1.0" (25 mm) E = 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 and o-rings. 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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