

Membrane Element

ESNA1-2521

Performance:	Permeate Flow:	250 gpd (0.95 m ³ /d)
	Salt Rejection:	
	nominal	90 %
	minimum	85 %

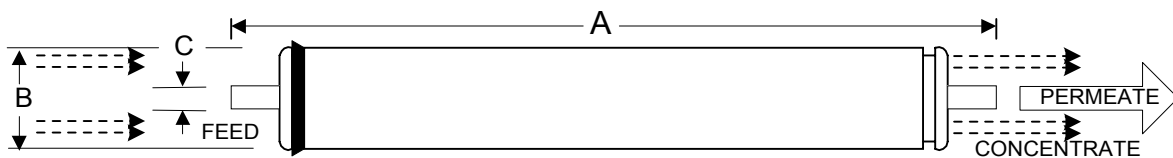
Type	Configuration:	Spiral Wound
	Membrane Polymer:	Composite Polyamide
	Nominal Membrane Area:	12 ft ²

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:	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:

500 PPM NaCl solution
75 psi (0.52 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>
21.0 (533.4)	2.4 (61)	0.75 (19.1)	2 (0.9)

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 a 1.0% sodium bisulfite and 10 % propylene glycol solution, and then packaged in a cardboard box.

Hydranautics believes the information and data contained herein to be accurate and useful. The information and data are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. Hydranautics assumes no liability for results obtained or damages incurred through the application of the presented information and data. It is the user's responsibility to determine the appropriateness of Hydranautics' products for the user's specific end uses. 01/09/01