HYDRANAUTICS
High Performance Membrane Products
A NITTO DENKO CORPORATION

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

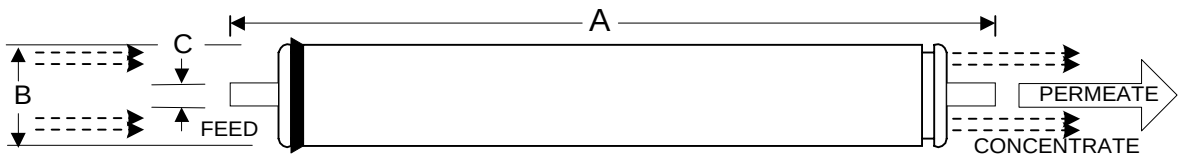
Application Data

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



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

Core tube extension = 1.2" (30.5 mm)

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