HYDRANAUTICS
High Performance Membrane Products
A Nitto Denko Corporation

04Nov98

Membrane Element SWC1-6040-HSM

Performance:

Permeate Flow:	2,200 gpd (8.33 m^3/d)
Salt Rejection:	
Nominal	99.0 %

Type

Configuration:	Spiral Wound
Membrane Polymer:	Composite Polyamide
Nominal Membrane Area:	155 ft^2

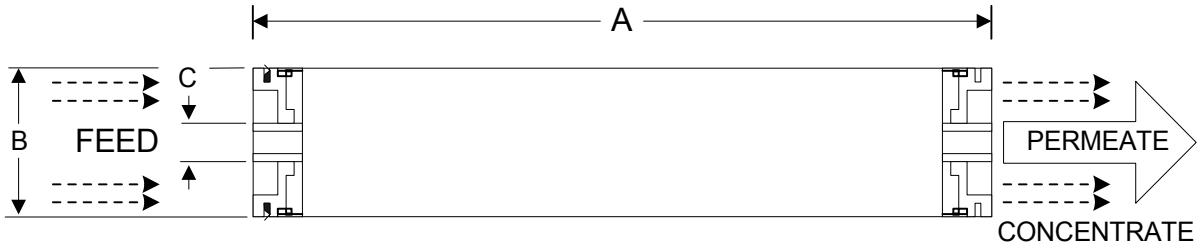
Application Data

Maximum Applied Pressure:	1000 psig (6.9 MPa)
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):	4.0
Maximum Feed Flow to Element:	30 GPM (6.8 m^3/h)
Feedwater Chlorine Concentration:	< 0.1 ppm
Maximum Recovery for any Element:	10%

Test Conditions

The stated performance is initial (data taken after 30 minutes of operation), based on the following conditions:

ASTM Standard Seawater
800 psi (5.52 MPa) Applied Pressure
77 °F (25 °C) Operating Temperature
10% Permeate Recovery
6.5 - 7.0 pH Range



Core tube ID = 1.125" (28.6 mm)

A, inches (mm)	B, inches (mm)	C, inches (mm)	Weight, lbs. (kg)
40.0 (1016)	5.95 (151.1)	1.50 (38.1)	30 (13.6)

Notice: Permeate flow for individual elements may vary + or - 15 percent. All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are vacuum sealed in a polyethylene bag containing a 1.0% sodium bisulfite solution, and then packaged in a cardboard box.