

Membrane Element

SWC5-4040

Performance:	Permeate Flow:	1,900 gpd (7.2 m ³ /d)
	Salt Rejection:	
	nominal	99.7%
	minimum	99.5%

Type	Configuration:	Spiral Wound
	Membrane Polymer:	Composite Polyamide
	Nominal Membrane Area:	85 ft ²

Application Data*

Maximum Applied Pressure:	1200 psig** (8.27 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:	16 GPM (3.6 m ³ /h)
Minimum Recovery for any Element:	10 %
Maximum Pressure Drop for Each Element:	10 psi

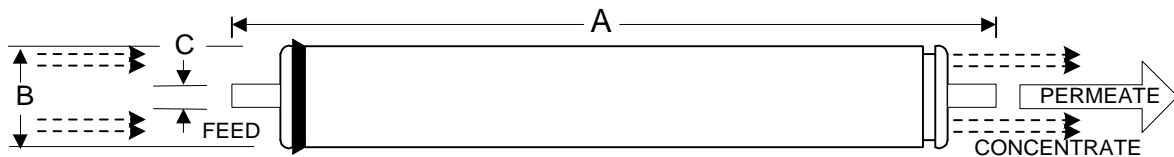
* The limitations shown here are for general use. The values may be more conservative for specific projects to ensure the best performance and longest life of the membrane.

** See TSB105 for operation above 1000 psig.

Test Conditions

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

32,000 ppm NaCl
 800 psi (5.5 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)
40.00 (1016)	3.95 (100.3)	0.75 (19.1)	8 (3.6)

Core tube extension = 1.05" (26.7 mm)

Notice: Permeate flow for individual elements may vary + or - 20 percent. All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are vacuum-sealed in a polyethylene bag containing less than 1.0% sodium meta-bisulfite solution, and then packaged in a cardboard box.

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