

## Membrane Element

## SWC5

<b>Performance:</b>	Permeate Flow:	9,000 gpd (34.1 m <sup>3</sup> /d)
	Salt Rejection (minimum):	99.7 %
	(nominal):	99.8 %
	Boron Rejection (nominal):	92.0% <sup>†</sup>

<b>Type</b>	Configuration:	Spiral Wound
	Membrane Polymer:	Composite Polyamide
	Nominal Membrane Area:	400 ft <sup>2</sup>

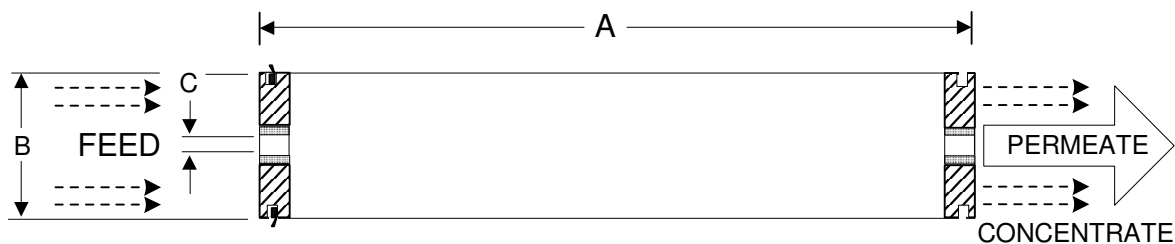
<b>Application Data*</b>	Maximum Applied Pressure:	1200 psig (8.27 MPa)
	Maximum Chlorine Concentration:	< 0.1 PPM
	Maximum Operating Temperature:	113 °F (45 °C)
	Feedwater pH Range:	3.0 - 10.0
	Maximum Feedwater Turbidity:	1.0 NTU
	Maximum Feedwater SDI (15 mins):	5.0
	Maximum Feed Flow:	75 GPM (17.0 m <sup>3</sup> /h)
	Minimum Ratio of Concentrate to Permeate Flow for any Element:	5:1
	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.

## 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)
40.0 (1016)	7.89 (200)	1.125 (28.6)	36 (16.4)

**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 less than 1.0% sodium meta-bisulfite solution, and then packaged in a cardboard box.

<sup>†</sup> When tested at standard test conditions with 5.0ppm Boron in feed solution.

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