



## Membrane Element SWC5

**Performance:** Permeate Flow: 9,000 gpd (34.1 m<sup>3</sup>/d)

Salt Rejection: 99.8 % (99.7 % minimum)

Boron Rejection (Typical): 92.0%<sup>†</sup>

**Type** Configuration: Spiral Wound

Membrane Polymer: Composite Polyamide Membrane Active Area: 400 ft<sup>2</sup> (37.1m<sup>2</sup>)

**Application Data\*** Maximum Applied Pressure: 1200 psig (8.27 MPa)

Maximum Chlorine Concentration: < 0.1 PPM
Maximum Operating Temperature: 113 °F (45 °C)
pH Range, Continuous (Cleaning): 2-11 (1-13)\*
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

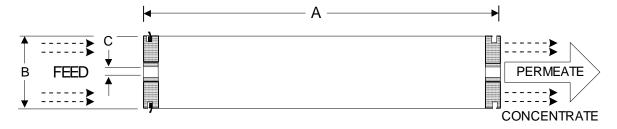
Permeate Flow for any Element: 5:1

Maximum Pressure Drop for Each Element: 10 psi

## **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. Membrane active area may vary +/-4%. 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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<sup>\*</sup> The limitations shown here are for general use. For specific projects, operating at more conservative values may ensure the best performance and longest life of the membrane. See Hydranautics Technical Bulletins for more detail on operation limits, cleaning pH, and cleaning temperatures.

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