

Membrane Element

SWC4B MAX

Performance: Permeate Flow: 6,400 gpd (24.23 m³/d)
 Salt Rejection: 99.8 % (99.7 % minimum)

Type Configuration: Spiral Wound
 Membrane Polymer: Composite Polyamide
 Membrane Active Area: 440 ft² (40.9m²)

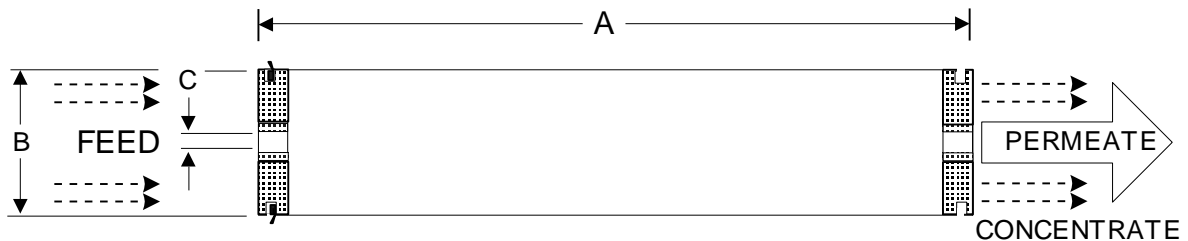
Application Data* Maximum Applied Pressure: 1200 psig (8.27 MPa)
 Maximum Chlorine Concentration: < 0.1 PPM
 Maximum Operating Temperature: 113 °F (45 °C)
 pH Range, Continuous (Cleaning): 2-11 (1-13)*
 Maximum Feedwater Turbidity: 1.0 NTU
 Maximum Feedwater SDI (15 mins): 5.0
 Maximum Feed Flow: 75 GPM (17.0 m³/h)
 Minimum Ratio of Concentrate to Permeate Flow for any Element: 5:1
 Maximum Pressure Drop for Each Element: 15 psi

* 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.

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 30+ or - 15 percent. Membrane active area may vary +/-4%. Element weight may vary. All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are enclosed in a sealed polyethylene bag containing less than 1.0% sodium meta-bisulfite solution, and then packaged in a cardboard box.

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