



## Membrane Element

# SWC6-LD-4040

(Low Fouling Technology)

### Performance:

Permeate Flow: Salt Rejection: Applied Pressure: Low Pressure: **High Flow:**  $1,170 \text{ gpd } (4.43 \text{ m}^3/\text{d})$ 

 $2,350 \text{ gpd} (8.90 \text{ m}^3/\text{d})$ 99.7% (99.5% min) 99.6% (99.4% min) 600 psi (4.1 MPa) 800 psi (5.5 MPa)

#### Type Configuration:

Membrane Polymer: Membrane Active Area: Feed Spacer:

Spiral Wound

Composite Polyamide 80 ft<sup>2</sup> (7.4 m<sup>2</sup>) 34 mil (o.864 mm)

### **Application Data\***

Maximum Applied Pressure: 1000 psig (6.9 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 16 GPM (3.6 m<sup>3</sup>/h)

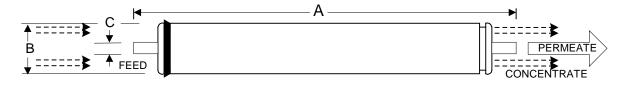
Maximum Feed Flow:

Minimum Recovery for any Element: 10% Maximum Pressure Drop for Each Element: 15 psi

### **Test Conditions**

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

> 32,000 ppm NaCl 600 psi (4.1 MPa) Applied Pressure 77 °F (25 °C) Operating Temperature 10% Permeate Recovery 6.5 - 7.0 pH Range



I	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)

Permeate flow for individual elements may vary + or - 20 percent. All membrane elements are supplied with a brine seal, interconnector, and orings. 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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<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.