

Membrane Element

SWC3

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|---------------------|-----------------|------------------------------------|
| Performance: | Permeate Flow: | 5,900 gpd (22.3 m ³ /d) |
| | Salt Rejection: | |
| | nominal: | 99.6 % |

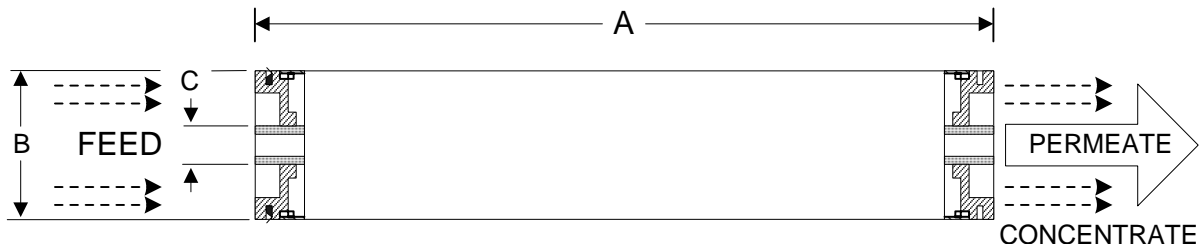
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|-------------|------------------------|---------------------|
| Type | Configuration: | Spiral Wound |
| | Membrane Polymer: | Composite Polyamide |
| | Nominal Membrane Area: | 370 ft ² |

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| 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: | 75 GPM (17.0 m ³ /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



Core tube ID = 1.125" (28.6 mm)

| A, inches (mm) | B, inches (mm) | C, inches (mm) | Weight, lbs. (kg) |
|----------------|----------------|----------------|-------------------|
| 40.0 (1016) | 7.95 (201.9) | 1.50 (38.1) | 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.

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