

## Membrane Element

## SWC2

|                     |                 |                                    |
|---------------------|-----------------|------------------------------------|
| <b>Performance:</b> | Permeate Flow:  | 6,000 gpd (22.7 m <sup>3</sup> /d) |
|                     | Salt Rejection: |                                    |
|                     | Minimum         | 98.6 %                             |

|             |                        |                     |
|-------------|------------------------|---------------------|
| <b>Type</b> | Configuration:         | Spiral Wound        |
|             | Membrane Polymer:      | Composite Polyamide |
|             | Nominal Membrane Area: | 315 ft <sup>2</sup> |

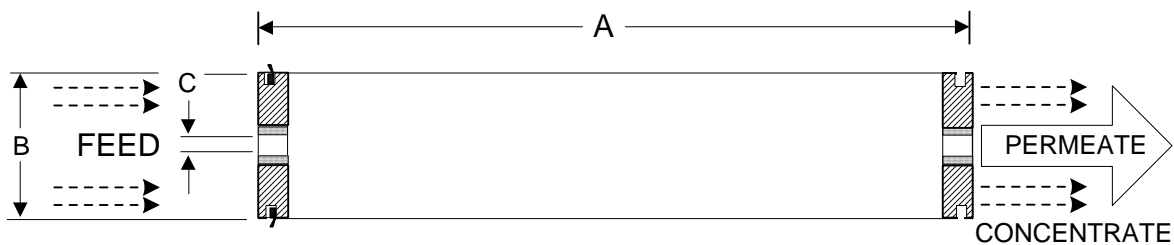
|                          |  |                                 |
|--------------------------|--|---------------------------------|
| <b>Application Data*</b> | Maximum Applied Pressure:                                      | 1200 psig (8.27 MPa)            |
|                          | Maximum Chlorine 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)    | 7.95 (201.9)   | 1.50 (38.1)    | 36 (16.4)         |

**Notice:** Permeate flow for individual elements may vary + 27 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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