

Membrane Element

ESPA2-365

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|---------------------|---------------------------|------------------------------------|
| Performance: | Permeate Flow: | 8,200 gpd (31.0 m ³ /d) |
| | Salt Rejection (minimum): | 99.5 % |

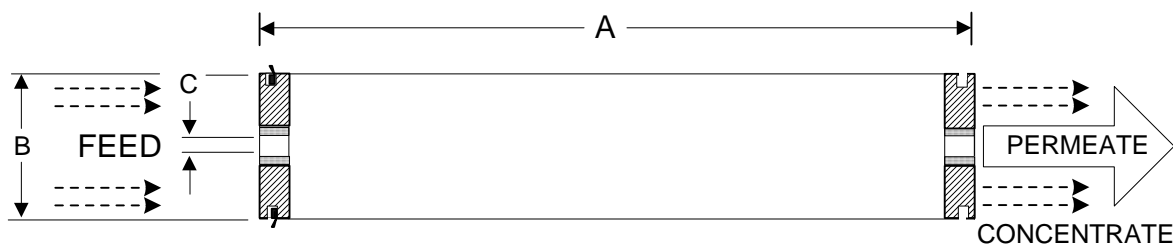
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|-------------|------------------------|---------------------|
| Type | Configuration: | Spiral Wound |
| | Membrane Polymer: | Composite Polyamide |
| | Nominal Membrane Area: | 365 ft ² |

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|-------------------------|--|---------------------------------|
| Application Data | Maximum Applied Pressure: | 600 psig (4.16 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:

1500 PPM NaCl solution
 150 psi (1.05 MPa) Applied Pressure
 77 °F (25 °C) Operating Temperature
 15% 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) | 1.125 (28.6) | 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 enclosed in a sealed polyethylene bag containing less than 1.0% sodium meta-bisulfite solution, and then packaged in a cardboard box. All elements are guaranteed 99.5% minimum rejection.

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