

Membrane Element

CPA2-4014

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|---------------------|----------------------------|---------------------------------|
| Performance: | Permeate Flow: | 450 gpd (1.7 m ³ /d) |
| | Salt Rejection: Minimum | 98.0 % |

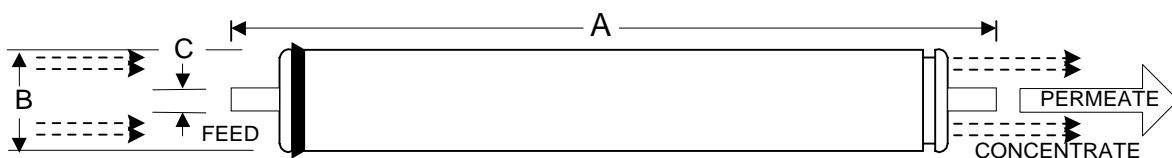
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|-------------|------------------------|----------------------|
| Type | Configuration: | Spiral Wound |
| | Membrane Polymer: | Composite Polyamide |
| | Nominal Membrane Area: | 16.9 ft ² |

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|---|--|--------------------|
| Application Data | Maximum Applied Pressure: | 300 psig (2.1 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: | 12 GPM (45.4 l/m) |
| | 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
225 psi (1.55 MPa) Applied Pressure
77 °F (25 °C) Operating Temperature
10% Permeate Recovery
6.5 - 7.0 pH Range



| <u>A, inches (mm)</u> | <u>B, inches (mm)</u> | <u>C, inches (mm)</u> | <u>Weight, lbs. (kg)</u> |
|-----------------------|-----------------------|-----------------------|--------------------------|
| 14.0 (356) | 3.95 (100) | 0.75 (19.1) | 3 (1.4) |

Core tube extension = 1.2" (30.5 mm)

Notice: Minimum permeate flow for individual elements 15 percent below listed flow. All membrane elements are supplied with a brine seal. Elements are vacuum sealed in a polyethylene bag containing less than 1.0% sodium meta-bisulfite and 10 % propylene glycol solution, and then packaged in a cardboard box.

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