HYDRANAUTICS
High Performance Membrane Products
A Nitto Denko Corporation

# Membrane Element CPA2-2540

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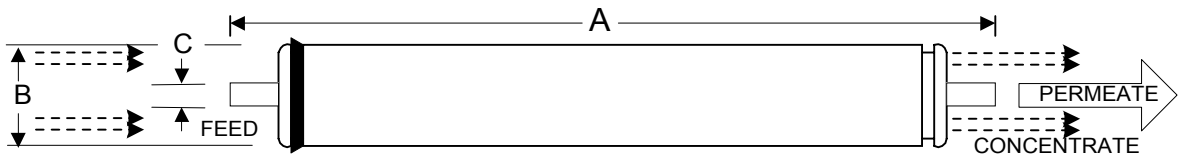
|---|---|---|
| **Performance:** | Permeate Flow: | 600 gpd (2.3 $m^3$/d) |
| | Salt Rejection: Minimum | 98.0 % |
| **Type** | Configuration: | Spiral Wound |
| | Membrane Polymer: | Composite Polyamide |
| | Nominal Membrane Area: | 28 $ft^2$ |
| **Application Data** | Maximum Applied Pressure: | 300 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: | 6 GPM (23 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




| A, inches (mm) | B, inches (mm) | C, inches (mm) | Weight, lbs. (kg) |
|---|---|---|---|
| 40.0 (1016) | 2.4 (61) | 0.75 (19.1) | 4 (1.8) |

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 a 1.0% sodium bisulfite and 10 % propylene glycol solution, and then packaged in a cardboard box.



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