# Membrane Element CPA3

**Performance:**
- Permeate Flow: 11,000 gpd (41.6 m³/d)
- Salt Rejection: Minimum 99.6%

**Type**
- Configuration: Spiral Wound
- Membrane Polymer: Composite Polyamide
- Nominal Membrane Area: 400 ft²

**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 m³/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:

- 1500 PPM NaCl solution
- 225 psi (1.55 MPa) Applied Pressure
- 77 °F (25 °C) Operating Temperature
- 15% Permeate Recovery
- 6.5 - 7.0 pH Range

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**Notice:** Permeate flow for individual elements may vary ±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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6/29/05

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### Dimensions

<table>
<thead>
<tr>
<th>A, inches (mm)</th>
<th>B, inches (mm)</th>
<th>C, inches (mm)</th>
<th>Weight, lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40.0 (1016)</td>
<td>7.95 (201.9)</td>
<td>1.125 (28.6)</td>
<td>36 (16.4)</td>
</tr>
</tbody>
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