



## CPA3-D

## **Specified Performance\***

Permeate Flow: 11,000 gpd (41.6 m³/d) Salt Rejection: 99.7% (99.6% minimum)

Test Conditions: 1500 ppm NaCl solution

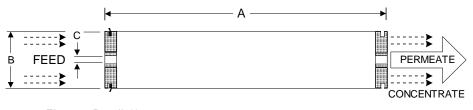
225 psig (1.55 MPa) Applied Pressure 77 °F (25 °C) Operating Temperature

15% Permeate Recovery 6.5 - 7.0 pH Range

## **General Product Description\*\***

Configuration: Spiral Wound
Membrane Polymer: Composite Polyamide
Membrane Active Area\*\*: 400 ft² (37.2 m²)
Feed Spacer: 34 mil (0.86 mm)

Packaging: All membrane elements are supplied with a brine seal, interconnector, and O-rings. Elements are enclosed in a sealed polyethylene bag and then packaged in a cardboard box.



Element Details**			
	A, inches (mm)	B, inches (mm)	C, inches (mm)
	40.0 (1016)	7.89 (200)	1.125 (28.6)

<sup>\*\*</sup>Values listed are indicative, not specified. For more detailed specifications, see our Technical Service Bulletins (including TAB 118) or contact Hydranautics Technical Department.

## **Product Use and Restrictions^**

Maximum Applied Pressure: 600 psig (4.14 MPa)

Maximum Chlorine Concentration: < 0.1 ppm

Maximum Operating Temperature: 113 °F (45 °C)

pH Range, Continuous (Cleaning): 2-10.8 (1-12.5)

Maximum Feedwater Turbidity: 1.0 NTU

Maximum Feedwater SDI (15 mins): 5.0

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Maximum Feed Flow: 75 gpm (17m³/h)

Minimum Brine Flow: 12 gpm (2.7 m³/h)

Maximum Pressure Drop for Each Element: 15 psi (0.10 MPa)

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<sup>\*</sup>The Specified Performance is based on data taken after testing for at least 24 hours. Actual testing of elements may be done at conditions which vary from these exact values; in which case, the performance is normalized back to these standard conditions. Permeate flow for individual elements may vary ±15 percent from the value specified.

<sup>^</sup> The limitations shown here are for general use. For specified projects, operation at more conservative values may ensure the best performance and longest life of the membrane. See Hydranautics Technical Bulletins for more details.