



## Membrane Element

## CPA5-LD

## (Low Fouling Technology)

Performance: Permeate Flow:

Salt Rejection:

11,000 gpd (41.6 m<sup>3</sup>/d) 99.7 % (99.6 % minimum)

**Type** Configuration:

> Membrane Polymer: Membrane Active Area:

Feed Spacer:

Low Fouling Spiral Wound Composite Polyamide

400 ft<sup>2</sup> (37.1m<sup>2</sup>)

34 mil (0.864 mm) with biostatic agent

**Application Data\*** Maximum Applied Pressure:

Maximum Chlorine Concentration: Maximum Operating Temperature: pH Range, Continuous (Cleaning): Maximum Feedwater Turbidity: Maximum Feedwater SDI (15 mins):

Maximum Feed Flow:

Minimum Ratio of Concentrate to Permeate Flow for any Element:

Maximum Pressure Drop for Each Element:

600 psig (4.16 MPa)

< 0.1 PPM 113 °F (45 °C) 2-11 (1-13)\* 1.0 NTU

5.0

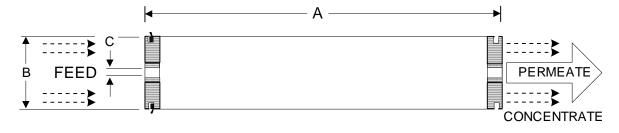
75 GPM (17.0 m<sup>3</sup>/h)

10 psi \* The limitations shown here are for general use. For specific projects, operating at more conservative values may

## **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



A, inches (mm)	B, inches (mm)	C, inches (mm)	Weight, lbs. (kg)
40.0 (1016)	7.89 (200)	1.125 (28.6)	33 (15)

Notice: Permeate flow for individual elements may vary ±15 percent. Membrane active area may vary +/-4%. Element weight may vary. 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.

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ensure the best performance and longest life of the membrane. See Hydranautics Technical Bulletins for more detail on operation limits, cleaning pH, and cleaning temperatures.