



CPA7-LD

Membrane Element

(With Low Fouling LD Technology®)

Performance

Permeate Flow: Salt Rejection: 11,500 gpd (43.5 m³/d) 99.8% (99.7% minimum)

Type

Configuration:
Membrane Polymer:
Membrane Active Area:
Feed Spacer:

Low Fouling Spiral Wound Composite Polyamide 400 ft² (37.2 m²) 34 mil (0.864 mm)

Application Data*

Maximum Applied Pressure:

Maximum Chlorine Concentration:

Maximum Operating Temperature:

PH Range, Continuous (Cleaning):

Maximum Feedwater Turbidity:

Maximum Feedwater SDI (15 mins.):

600 psig (4.14 MPa)

< 0.1 ppm

113 °F (45 °C)

2–11 (1–13)*

1.0 NTU

5.0

Maximum Feed Flow: 75 gpm (17.0 m³/h)

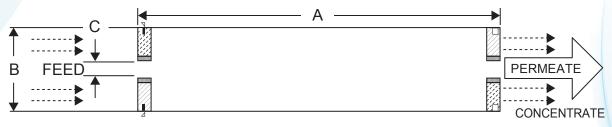
Maximum Pressure Drop for Each Element: 15 psi

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 15% Permeate Recovery 6.5–7.0 pH Range

Product Dimensions



A, inches (mm)	B, inches (mm)	C, inches (mm)	Weight, lbs. (kgs.)
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%. 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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8/29/16

^{*}Limitations shown here are for general use. For specific projects, operating at more conservative values may ensure the best performance and longest life of the membrane. See Hydranautics Technical Service Bulletin TSB107 for more details on operation limits, cleaning pH, and cleaning temperatures.