Nitto

HYDRANAUTICS
Nitto Group Company

# Membrane Element

# CPA7-LD
## (With Low Fouling LD Technology®)

## Performance

| | |
|---|---|
| Permeate Flow: | 11,500 gpd (43.5 $m^3$/d) |
| Salt Rejection: | 99.8% (99.7% minimum) |

## Type

| | |
|---|---|
| Configuration: | Low Fouling Spiral Wound |
| Membrane Polymer: | Composite Polyamide |
| Membrane Active Area: | 400 $ft^2$ (37.2 $m^2$) |
| Feed Spacer: | 34 mil (0.864 mm) |

## Application Data*

| | |
|---|---|
| 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): | 2–11 (1–13)* |
| Maximum Feedwater Turbidity: | 1.0 NTU |
| Maximum Feedwater SDI (15 mins.): | 5.0 |
| Maximum Feed Flow: | 75 gpm (17.0 $m^3$/h) |
| Maximum Pressure Drop for Each Element: | 15 psi |

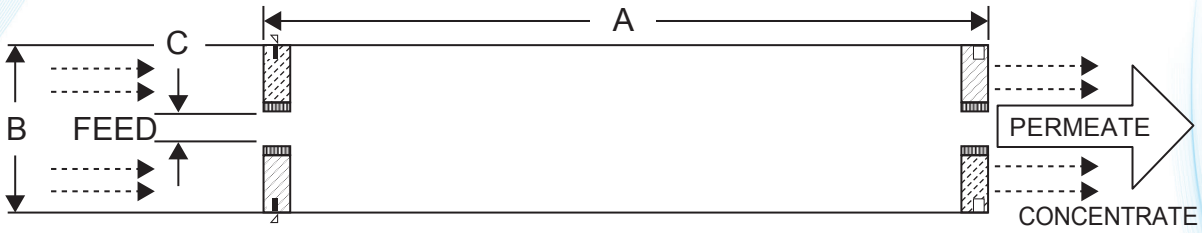
*Limitations shown here are for general use. For specific projects, operating at more conservative values may ensure the best performance and longest life of the membrane. See Hydranautics Technical Service Bulletin TSB107 for more details on operation limits, cleaning pH, and cleaning temperatures.

## 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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