



Membrane Element CPA-4040E
(Patented Low Fouling Technology)

Performance:	Permeate Flow:	2,250 gpd (8.5 m ³ /d)
	Salt Rejection :	99.5% (99.2% minimum)
	Feed Spacer:	34 mil (0.864 mm)

Type	Configuration:	Spiral Wound
	Membrane Polymer:	Composite Polyamide
	Membrane Active Area:	65 ft ² (6.04 m ²)

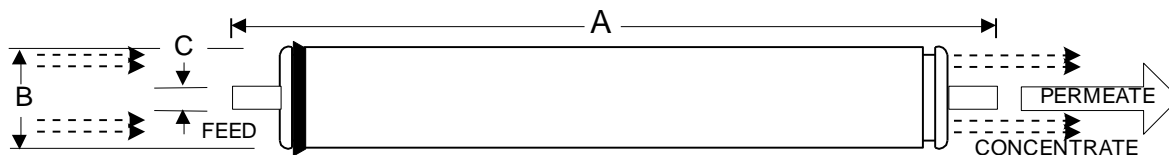
Application Data*	Maximum Applied Pressure:	600 psig (4.14 MPa)
	Maximum Chlorine Concentration:	< 0.1 PPM
	Maximum Operating Temperature:	113 °F (45 °C)
	pH Range, Continuous (Cleaning):	2-10 (1-12)*
	Maximum Feedwater Turbidity:	1.0 NTU
	Maximum Feedwater SDI (15 mins):	5.0
	Maximum Feed Flow:	16 GPM (3.6 m ³ /h)
	Maximum Pressure Drop for Each Element:	15 psi
	Dry Element Temperature Storage	-40 °C to 40 °C (-40°F to 104°F)
	Wet Element Temperature Storage	1 °C to 35 °C (33°F to 95°F)

* The 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 Bulletins for more detail on operation limits, cleaning pH, and cleaning temperatures.

Test Conditions

The stated performance is based on the conditions below, after 30 minutes of stabilized operation. Hydranautics does not test every element, but randomly samples some elements to statistically ensure the product meets our stated specifications. Untested elements are shipped in a dry condition. Tested elements are preserved and shipped in 0.99% sodium meta-bisulfite. Shipment of product could include both types of elements.

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)
40.00 (1016)	3.95 (100.3)	0.75 (19.1)	7 (3.2)

Core tube extension = 1.05" (26.7 mm)

Notice: Permeate flow for individual elements may vary + 33 or - 15 percent. All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are enclosed in a sealed polyethylene bag in a dry condition (no aqueous preservative), and then packaged in a cardboard box.

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