

## Membrane Element

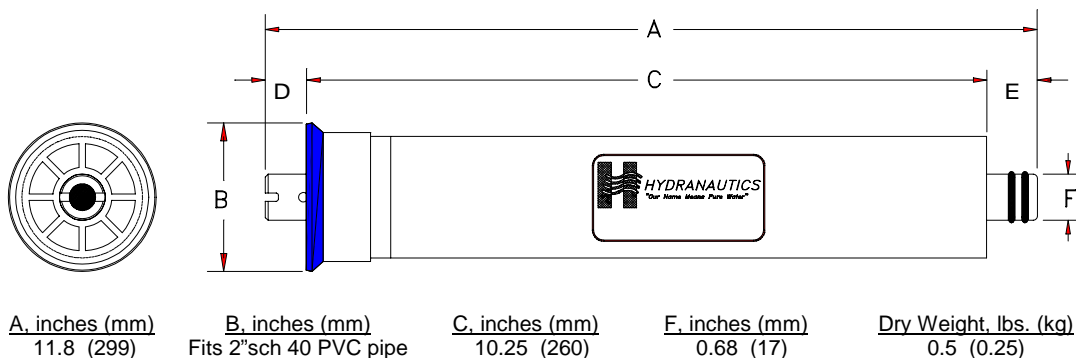
## CPA2-2012

<b>Performance:</b>	Permeate Flow:	35 gpd (0.13 m <sup>3</sup> /d)
	Salt Rejection: Minimum	96.0 %
<b>Type</b>	Configuration:	Spiral Wound
	Membrane Polymer:	Composite Polyamide
	Nominal Membrane Area:	4.8 ft <sup>2</sup>
<b>Application Data</b>	Maximum Applied Pressure:	300 psig (2.1 MPa)
	Maximum Chlorine Concentration:	< 0.1 PPM
	Maximum Operating Temperature:	113 °F (45 °C)
	Feedwater pH Range:	3.0 - 10.0
	Maximum Feedwater Turbidity:	1.0 NTU
	Maximum Feedwater SDI (15 mins):	5.0
	Maximum Feed Flow:	3 GPM (11 l/m)
	Minimum Ratio of Concentrate to Permeate Flow for any Element:	5:1
Maximum Pressure Drop for Each Element:	10 psi	

## Test Conditions

The stated performance is initial (data taken after 30 minutes of operation), based on the following conditions:

500 PPM NaCl solution  
65 psi (0.45 MPa) Applied Pressure  
77 °F (25 °C) Operating Temperature  
10% Permeate Recovery  
6.5 - 7.0 pH Range



Core tube extensions: D = 0.75" (19 mm) E = 0.94" (24 mm)

**Note:** Core tube on brine seal side (dimension "D") is plugged. Permeate flow is through o-ring side of tube only.

**Notice:** Minimum permeate flow for individual elements 15 percent below listed flow. All membrane elements are supplied with a brine seal and o-rings. Elements are vacuum sealed in a polyethylene bag containing less than 1.0% sodium meta-bisulfite and 10 % propylene glycol solution, and then packaged in a cardboard box.

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