

## Membrane Element HYDRACoRe50

**Performance:**

Permeate Flow:	8200 gpd (31.0 m <sup>3</sup> /d)
NaCl Rejection:	50% *
MWCO	1,000 daltons **

\* Salt rejection of this membrane varies significantly depending on concentration, pressure and ion species. Contact Hydranautics' technical support for more information.  
\*\* Molecular Weight Cut-Off measurement based on Cytochrome C

**Type**

Configuration:	Spiral Wound
Membrane Polymer:	Sulfonated Polyether Sulfone
Nominal Membrane Area:	365 ft <sup>2</sup>

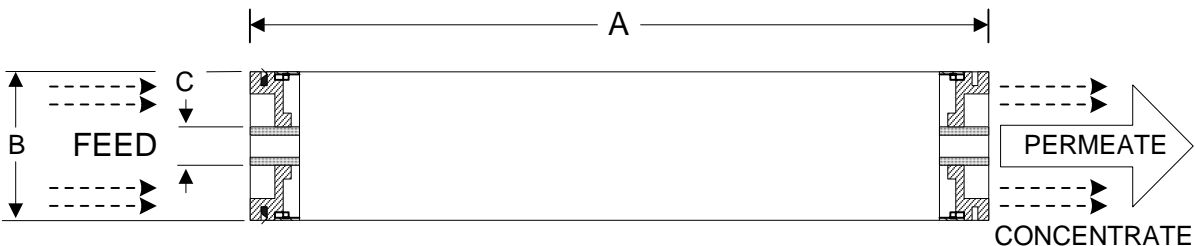
**Application Data**

Maximum Applied Pressure:	600 psig (4.14 MPa)
Maximum Continuous Chlorine Concentration:	10 PPM
Maximum Chlorine Concentration for Cleaning:	100 PPM
Maximum Operating Temperature:	104 °F (40 °C)
Feedwater pH Range:	2.0 - 12.0
Maximum Feedwater Turbidity:	1.0 NTU
Maximum Feedwater SDI (15 mins):	5.0
Maximum Feed Flow:	75 GPM (17 m <sup>3</sup> /h)
Maximum Pressure Drop for Each Element:	10 psi

### Test Conditions

The stated performance is based on the following test conditions:

500 ppm NaCl  
75 psi (0.52 MPa) Applied Pressure  
77 °F (25 °C) Operating Temperature  
15% Permeate Recovery  
6.5 Feed pH



**Core tube ID = 1.125" (28.6 mm)**

A, inches (mm)	B, inches (mm)	C, inches (mm)	Weight, lbs. (kg)
40.00 (1016)	7.95 (201.9)	1.50 (38.1)	36 (16.3)

**Notice:** Permeate flow for individual elements may vary - 15 %/NUL (No Upper Limit). All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are vacuum sealed in a polyethylene bag containing less than 1.0% sodium bisulfite solution, and then packaged in a cardboard box. Hydranautics believes the information and data contained herein to be accurate and useful. The information and data are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. Hydranautics assumes no liability for results obtained or damages incurred through the application of the presented information and data. It is the user's responsibility to determine the appropriateness of Hydranautics' products for the user's specific end uses.