

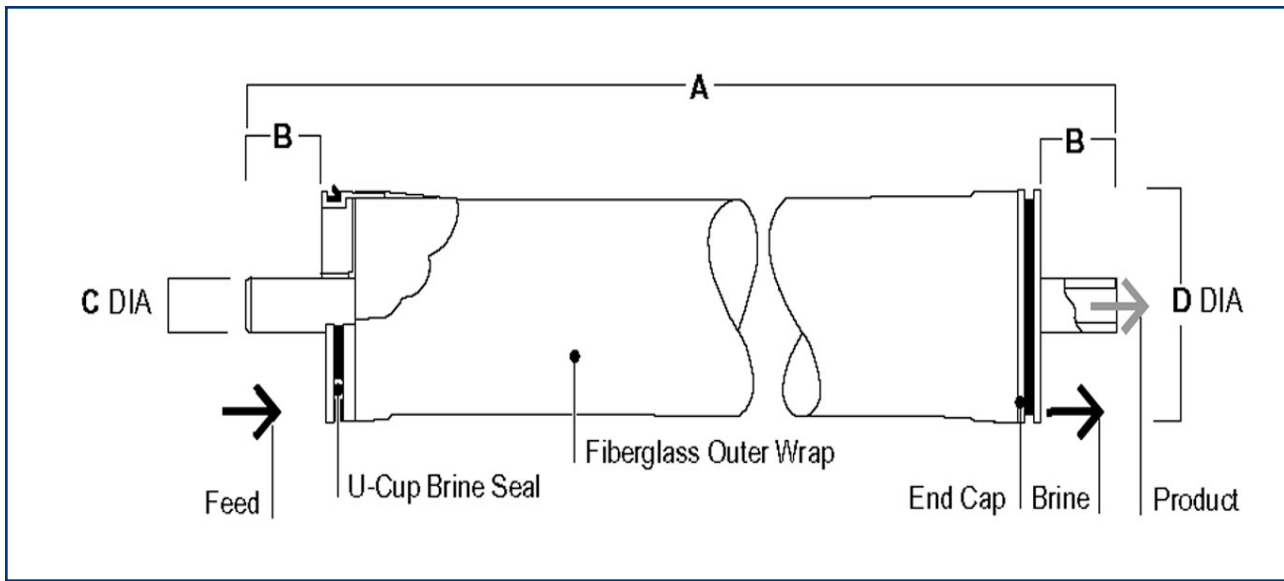
TORAY

Product	Active Surface Area	Permeate Flow Rate	Salt Rejection
	Ft ² (m ²)	gpd (m ³ /d)	%
TM810	74 (6.9)	1,150 (4.4)	99.7

Test Conditions:

32,000 ppm NaCl, 800 PSI (5.5 mPa) 77°F (25°C), pH8.0, 8.0% Recovery
 Minimum salt rejection is 99.0%
 Minimum permeate flow is 1000 (3.8)

Dimensions:



	A	B	C	D
TM810	40 (1,016)	1.05 (27)	0.75 (19)	0.3913 (99.4)

Operating Limits:

Membrane Type Cross Linked Fully Aromatic Polyamide Composite
 Maximum Operating Pressure 1000 PSI (6.9 mPa)
 Maximum Feed Water Temperature 45°C
 Maximum Feed Water Silt Density Index SDI 4
 Free Chlorine Tolerance <.1 ppm
 Feed water pH Range, Continuous Operation 3-9
 Feed water pH Range, Chemical Cleaning 2-10

Toray Membrane America, Inc.
4-inch TM810 Seawater Elements

Operating Information:

- 1.) For the recommended design range please consult the latest Toray technical bulletin, design guidelines, computer design program, and/or Call TMA and talk with an application specialist. If operating specifications given in this Product Information Bulletin are not strictly followed, the limited warranty will be null and void.
- 2.) All elements are wet tested prior to shipment, storage solution is added and the elements are vacuum bagged in oxygen barrier bags. To prevent biological growth during short term storage, shipment, or system shutdown it is recommended that 'Toray' elements be immersed in a protective solution containing 1% (by weight) sodium metabisulfite (food grade) and permeate.
- 3.) Permeate for the first hour of operation should be discarded.
- 4.) The customer is fully responsible for the effects of chemicals, which are incompatible with the elements. Their use will void the element-limited warranty.

The Toray logo is rendered in a bold, blue, three-dimensional sans-serif font. The letters 'T', 'O', 'R', 'A', and 'Y' are thick and have a slight shadow, giving them a 3D appearance. The logo is flanked by two blue, stylized arrowheads pointing outwards, one on the left and one on the right.