



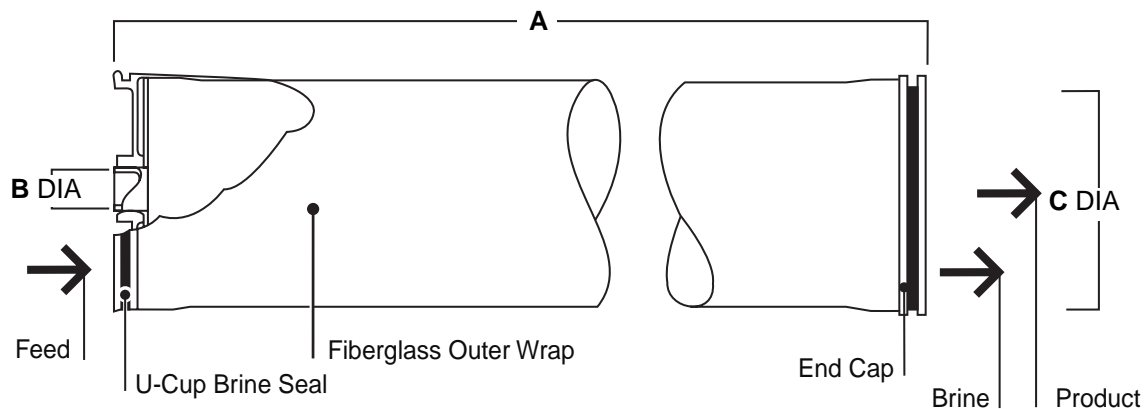
FILMTEC Membranes

FILMTEC® 8” Seawater RO Elements

Product Specifications

Product	Nominal Active Surface Area ft ² (m ²)	Product Water Flow Rate gpd (m ³ /d)	Minimum Salt Rejection Cl ⁻ (%)	Stabilized Salt Rejection Cl ⁻ (%)
SW30-8040	300 (28)	6000 (23)	98.6	99.1
SW30HR-8040	300 (28)	4000 (15)	99.2	99.4
SW30HR-380	380 (35)	6000 (23)	99.4	99.6

1. Permeate flow and salt rejection based on the following conditions: 32000 ppm NaCl, 800 psi (5.5 MPa), 77°F (25°C), pH 8, and recovery as indicated below.
2. Flow rates for individual elements may vary ±15%.



Operating Limits

Membrane Type	Thin-Film Composite
Maximum Operating Pressure	1015 psi (7.0 MPa)
Maximum Operating Temperature	113°F (45°C)
Maximum Feed Turbidity	1 NTU
Free Chlorine Tolerance	<0.1 ppm
pH Range, Continuous Operation	2–11
pH Range, Short-Term Cleaning (30 min.)	1–12
Maximum Feed Flow	60 gpm (14 m ³ /h)
Maximum Feed Silt Density Index	SDI 5

Product	Single-Element Recovery (Permeate Flow to Feed Flow)	Dimensions – Inches (mm)		
		A	B	C
SW30-8040	0.10	40 (1,016)	1.125 (29)	7.9 (201)
SW30HR-8040	0.08	40 (1,016)	1.125 (29)	7.9 (201)
SW30HR-380	0.08	40 (1,016)	1.125 (29)	7.9 (201)

3. Consult most recent DESIGN GUIDELINES for multiple-element applications and recommended element recovery rates for various feed sources.
4. Element to fit 8.00-inch I.D. pressure vessel.

1 inch = 25.4 mm

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FILMTEC Membranes

For more information about FILMTEC membranes, call Dow Liquid Separations:

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Important Operating Information

1. Keep elements moist at all times after initial wetting.
2. If operating specifications given in this Product Information bulletin are not strictly followed, the limited warranty will be null and void.
3. Permeate obtained from first hour of operation should be discarded.
4. To prevent biological growth during storage, shipping or system shutdowns it is recommended that FILMTEC elements be immersed in a protective solution. The standard storage solution contains 1.5 percent (by weight) sodium metabisulfite (food grade).
5. Elements must be in use for at least six hours before formaldehyde is used as a biocide. If the elements are exposed to formaldehyde before being in use for this period of time, a loss in flux may result.
6. The membrane shows some resistance to short-term attack by chlorine (hypochlorite). Continuous exposure, however, may damage the membrane and should be avoided.
7. The customer is fully responsible for the effects of incompatible chemicals on elements. Their use will void the element limited warranty.

Notice: The use of this product in and of itself does not necessarily guarantee the removal of cysts and pathogens from water. Effective cyst and pathogen reduction is dependent on the complete system design and on the operation and maintenance of the system.

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Published March 1998.



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Form No. 609-00226-398XQRP
CH 172-191-E-398R