

LENNTECH

info@lenntech.com Tel. +31-152-610-900 www.lenntech.com Fax. +31-152-616-289

FILMTEC Membranes

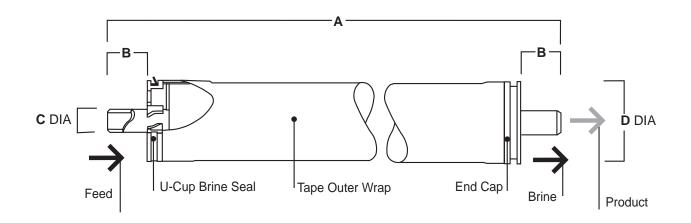
FILMTEC® 2" Tapwater RO Elements

Product Specifications

	Prod	uct Water Flow	Rate	Minimum Salt	Stabilized Salt
Product	(gpd)	(m³/d)	(l/h)	Rejection Cl⁻ (%)	Rejection Cl⁻ (%)
TW30-2013	100	0.4	17	96.0	99.0
TW30-2026	220	0.8	33	96.0	99.0

^{1.} Permeate flow and salt rejection based on the following test conditions: 2000 ppm NaCl, 225 psi

^{2.} Flow rates for individual elements may vary ±15%.



Operating Limits

Membrane Type	Thin-Film Composite
Maximum Operating Pressure	300 psi (2.1 MPa)
Maximum Feed Flow Rate	3 gpm (11 lpm)
pH Range, Continuous	2–11
pH Range, Cleaning Cycle (30 min.)	1–12
Maximum Operating Temperature	113°F (45°C)
Maximum Feed Turbidity	1 NTU
Maximum Feed Silt Density Index	SDI 5
Free Chlorine Tolerance	<0.1 ppm

	Single-Element Recovery		Dimensions – Inches (mm)				
Product	(Permeate Flow to Feed Flow)	Α	В	Ċ	D		
TW30-2013	0.05	13.0 (330)	1.18 (30)	0.68 (17)	1.8 (46)		
TW30-2026	0.1	26.0 (660)	1.18 (30)	0.68 (17)	1.8 (46)		

^{3.} Element to fit 2.12-inch I.D. pressure vessel.

1 inch = 25.4 mm

^{(1.6} MPa), 77°F (25°C), pH 8, and recovery as indicated below.

^{*}Trademark of The Dow Chemical Company

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

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.
- 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.

