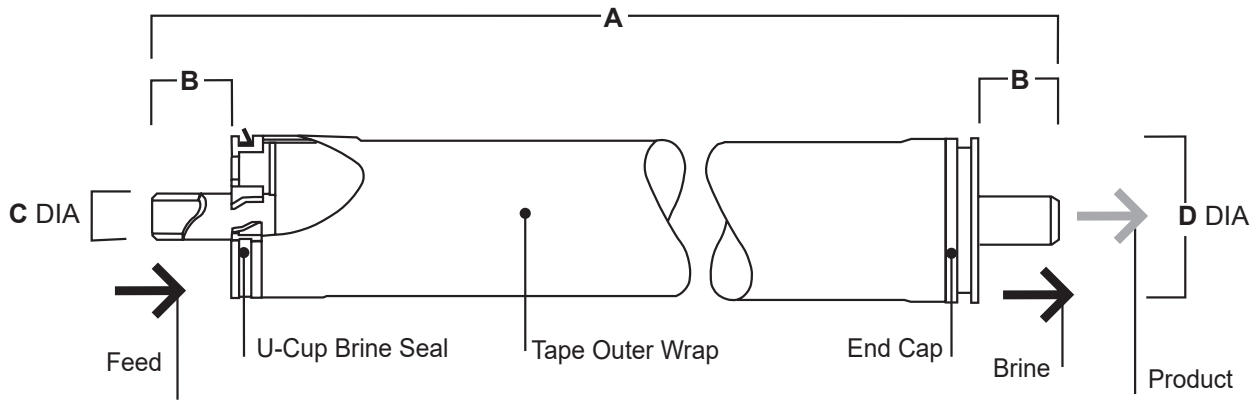
FILMTEC Membranes

FILMTEC® 2" Tapwater RO Elements

Product Specifications

Product	Product Water Flow Rate (gpd)	(m^3/d)	(l/h)	Minimum Salt Rejection Cl^- (%)	Stabilized Salt 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 te conditions: 2000 ppm NaCl, 225 psi (1.6 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.....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

Product	Single-Element Recovery (Permeate Flow to Feed Flow)	Dimensions – Inches (mm) A	B	C	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

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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.
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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