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PUREPRO Membranes

— Product Information

PUREPRO reverse osmosis membrane elements for home drinking water are the industry's most reliable. Advanced membrane technology and automated fabrication allow these elements to deliver consistent performance that equipment suppliers, water treatment dealers and residential customers can rely on. A thin film composite (TFC) high quality membrane that processes 50 gallons per day. It remove the following hard water contaminants that may be present in your water: lead, cooper, barium, chromium, mercury, sodium, cadmium, fluoride, nitrite, nitrate, and selenium.

PUREPRO home drinking water elements are rated at 50 psi and will purify about 20% more water than competitive elements rated at 60 psi (please see reference charts on back for more information).

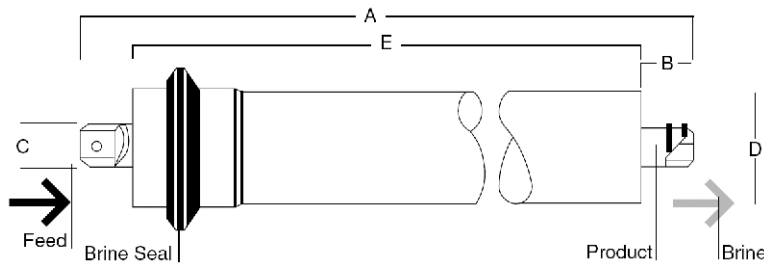
PUREPRO
DRINKING WATER SYSTEM



Product Specifications

Product	Applied pressure Psig(bar)	Permeate Flow Rate, gpd(l/h)	Stabilized Salt Rejection(%)
TW30-1812-50	80 (5.4)	50 (7.9)	98
TW30-1812-80	80 (5.4)	80 (12)	98
TW30-1812-100	80 (5.4)	100 (15.7)	98
TW30-1812-200	80 (5.4)	200 (31.5)	98

1. Permeate flow and salt rejection based on the following test conditions: 250 ppm softened tapwater, 77°F(25°C), 15% recovery and the specified applied pressure.
2. Minimum salt rejection is 96.0%.
3. Permeate flows for individual elements may vary +/-20%.



Dimensions-Inches (mm)					
Product	A	B	C	D	E
TW30-1812	11.74 (298)	0.87 (22)	0.68 (17)	1.75 (44.5)	10.0 (254)

4. TW30-1812 Home Drinking Water Elements fit nominal 2-inch I.D. pressure vessel. 1 inch = 25.4 mm

Operating Limits

Membrane Type	Polyamide Thin-Film Composite
Maximum Operating Temperature	113°F (45°C)
Maximum Operating Pressure	300 psig (21 bar)
Maximum Feed Flow Rate	2.0 gpm (7.6 lpm)
pH Range, Continuous Operation ^a	2-11
pH Range, Short-Term Cleaning (30 min.) ^b	1-12
Maximum Feed Silt Density Index (SDI)	SDI 5
Free Chlorine Tolerance ^c	<0.1 ppm

General Information

1. The first full tank of permeate should be discarded. Do not use this initial permeate for drinking water or food preparation.
2. Keep elements moist at all times after initial wetting.
3. If operating limits and guidelines given in this bulletin are not strictly followed, the limited warranty will be null and void.
4. To prevent biological growth during prolonged system shutdowns, it is recommended that membrane elements be immersed in a preservative solution.
5. The membrane shows some resistance to short-term attack by chlorine (hypochlorite). Continuous exposure, however, may damage the membrane and should be avoided.
6. The customer is fully responsible for the effects of incompatible chemicals and lubricants 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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