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Technical Bulletin

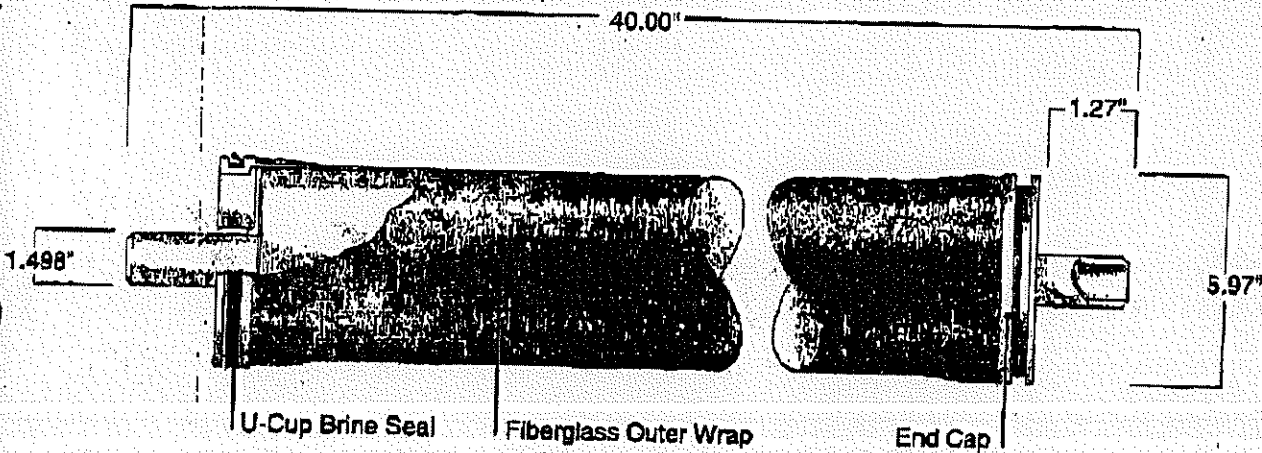
FILMTEC® Membranes

5" Seawater Reverse Osmosis Element For Portable Reverse Osmosis Water Purification Units (ROWPU)



Product	Water Flow Rate (gpd)	Minimum Salt Rejection Cl ⁻ Ion (%)	Nominal Recovery Rate (%)
SW30M-8040	2100 (+450, -250)	99.0	8

1. Product water flow and salt rejection based on the following test conditions: Feedwater—ASTM-D-1141, Subartificial Ocean Water, Formula A, Section 6, Without Heavy Metals, containing 12,000 (±1000) mg/l chloride ion. Applied Pressure—800 (±10) psi. Temperature—25°C (±1°C), pH 7.0 (±0.2) units. 2. Element to fit 6.00 inch I.D. pressure vessel.



Operating Limits

Maximum Operating Temperature	113°F (45°C)
Maximum Feed Turbidity	1 NTU
Free Chlorine Tolerance	<0.1 ppm
pH Range:	
Continuous operation	2-11
Short-term (30 min.), cleaning	1-12
Maximum Feed Flow	28 gpm (106 lpm)
Maximum Feed Silt Density Index	SDI 5

Element will withstand 1000 psi operation without degradation in flow, salt rejection and physical appearance.