

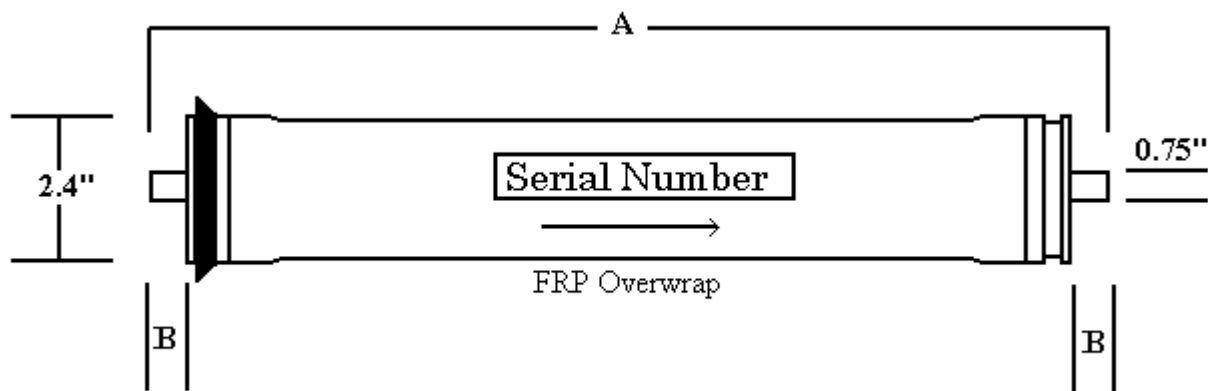
**REVERSE OSMOSIS  
2.5 INCH SEAWATER MEMBRANE  
SPECIFICATIONS**

Reverse Osmosis Elements with Thin Film Composite Polyamide  
Membrane Designed to fit a 2.45-2.5 Inch ID Housing or Pressure Vessel

ALL MATERIALS ARE NSF AND/OR FDA APPROVED WITH THE EXCEPTION OF THE ADHESIVE ON THE OUTER WRAP AND THE FIBERGLASS OUTER WRAP.

| Model no.   | Dimensions    | Dimensions    | Flow (GPD) | Rejection (%) |         |
|-------------|---------------|---------------|------------|---------------|---------|
|             | A<br>(Inches) | B<br>(Inches) | Nominal    | Min.          | Nominal |
| MEM 2514-SW | 14            | 1.2           | 150        | 99.5          | 99.7    |
| MEM 2521-SW | 21            | 1.2           | 250        | 99.5          | 99.7    |
| MEM 2540-SW | 40            | 1.0           | 500        | 99.5          | 99.7    |

1. Permeate flow and salt rejection based on the following test conditions: 32000 ppm TDS, 800psi (5.5Mpa), 77 F (25 C), pH 7.5 and 15% recovery
2. Flow rates for individual elements may vary +/-15%



**Operating Limits**

Membrane Type  
Maximum Operating Pressure  
Maximum Feed Flow Rate  
pH Range, Continuous  
pH Range, Cleaning Cycle (30 min)  
Maximum Operating Temperature  
Maximum Feed Turbidity  
Maximum Feed Silt Density Index  
Free chlorine Tolerance

Thin-Film Composite  
1000psi (6.9 Mpa)  
6gpm (1.4m /h)  
2 to 11  
1 to 12  
113 f (45 C)  
1 NTU  
SDI 5  
<0.1 ppm