Membrane Element ESPA4-4040

Performance:  
Permeate Flow: 2,500 gpd (9.46 m³/d)  
Salt Rejection (average): 99.2%  
(minimum): 99.0%  

Type  
Configuration: Spiral Wound  
Membrane Polymer: Composite Polyamide  
Nominal Membrane Area: 85 ft²  

Application Data  
Maximum Applied Pressure: 600 psig (4.16 MPa)  
Maximum Chlorine Concentration: < 0.1 PPM  
Maximum Operating Temperature: 113 °F (45 °C)  
Feedwater pH Range: 3.0 - 10.0  
Maximum Feedwater Turbidity: 1.0 NTU  
Maximum Feedwater SDI (15 mins): 5.0  
Maximum Feed Flow: 16 GPM (3.6 m³/h)  
Minimum Ratio of Concentrate to Permeate Flow for any Element: 5:1  
Maximum Pressure Drop for Each Element: 10 psi  

Test Conditions  
Elements are wet tested for quality assurance using the following conditions:  
500 PPM NaCl solution  
100 psi (0.7 MPa) Applied Pressure  
77 °F (25 °C) Operating Temperature  
15% Permeate Recovery  
6.5 - 7.0 pH Range  
(Data taken after 30 minutes of operation)

<table>
<thead>
<tr>
<th>A, inches (mm)</th>
<th>B, inches (mm)</th>
<th>C, inches (mm)</th>
<th>Weight, lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40.0 (1016)</td>
<td>3.95 (100.3)</td>
<td>0.75 (19.1)</td>
<td>8 (2.3)</td>
</tr>
</tbody>
</table>

Core tube extension = 1.05” (26.7 mm)

Notice: Permeate flow for individual elements may vary ± 15 percent. All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are enclosed in a sealed polyethylene bag containing less than 1.0% sodium metabisulfite solution, and then packaged in a cardboard box.

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