Flanged End 7533 Plus HFM-183 Elements

High Productivity Zero Bypass Ultrafiltration Elements for Electrocoat Paint

PRODUCT DESCRIPTION

Membrane Chemistry: PVDF
Membrane Type: HFM-183 (Positive Charge)
Construction: Spiral wound element with hard overwrap and flanged seal
Seal: Rubber Gasket

PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Feed Spacer mil (mm)</th>
<th>Active Membrane Area ft² (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0700785</td>
<td>7533 PLUS M183-VPF</td>
<td>43 (1.1)</td>
<td>203 (18.9)</td>
</tr>
<tr>
<td>0700777</td>
<td>7533 PLUS M183-LPF</td>
<td>30 (0.8)</td>
<td>285 (26.5)</td>
</tr>
</tbody>
</table>

OPERATING AND DESIGN INFORMATION*

Maximum Inlet Pressure: 80 psi @ 125°F (5.5 bar @ 52°C)
Minimum Outlet Pressure: 15 psi (1 bar)
Maximum Operating Temperature: 125°F (52°C)
Allowable Ph - Continuous Operation: 2 - 10 @ 125°F (52°C)
Allowable Ph - Short Term Cleaning: 1.5 - 10.5 @ 125°F (52°C)
Maximum Feed Side Pressure Drop: 30 psi @ 125°F (2.07 bar @ 52°C)
Maximum Permeate Pressure: 5 psi (0.3 bar)

*NOMINAL DIMENSIONS

<table>
<thead>
<tr>
<th>Nominal Outside Diameter inches</th>
<th>Nominal Length inches</th>
<th>Permeate Tube Outside Diameter inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.49 (190)</td>
<td>39.3 (998)</td>
<td>1.660 (42.2)</td>
</tr>
</tbody>
</table>
Membrane Incompatibility
Prior to exposing the membrane to any chemical, the chemical should be reviewed by Koch Separation Solutions. Aside from the listed chemicals below, synthetic coolants, semi-synthetic coolants, kerosenes, naphtha, gasoline, flocculation polymers may affect membrane performance.

Chemicals that should be avoided include the following:
- **Aprotic Solvent** (e.g. Dimethyl Formamide, Dimethyl Acetamide, N-Methyl Pyrolidine, etc.)
- **Chlorinated Solvents** (e.g., Methylene Chloride, Chloroform, Carbon Tetrachloride, etc.)
- **Ketones** (e.g. Acetone, Diacetone Alcohol, etc.)
- **Silicones** or Silicone based Defoamers (e.g. Siloxane)

Service and Ongoing Technical Support
Koch Separation Solutions, Inc. has an experienced staff of professionals available to assist end-users and OEMs for optimization of existing systems and support the development of new applications. Along with the availability of supplemental technical bulletins, Koch Separation Solutions, Inc. also offers a complete line of KOCHKLEEN® cleaning chemicals.