ROMICON® CARTRIDGE: HF 5043-66-45-XM50
Industrial Hollow Fiber Ultrafiltration Module For Wastewater Treatment

PRODUCT DESCRIPTION

KMS Part Number (KPN): 0720173
Membrane Chemistry: Acrylonitrile co-polymer
Membrane Type: XM
Membrane Area: 66 ft² (6.1 m²)
Molecular Weight Cut-off: 50,000 Dalton (nominal)
Housing Construction: Polysulfone
Seal: Epoxy

OPERATING AND DESIGN INFORMATION*

Maximum Inlet Pressure: 30 psi @ 77°F (2.1 bar @ 25°C)
Maximum Transmembrane Pressure: 25 psi @ 77°F (2.1 bar @ 25°C)
Maximum Operating Temperature (at pH 8.0): 113°F (45°C)
Maximum Permeate Side Back Pressure: 20 psi (1.4 bar)
Maximum Feed Side Pressure Drop: 25 psi @ 113°F (1.7 bar @ 45°C)
Allowable pH: 1.5 – 13.0 @ 113°F (45°C)

* Consult Process Technology Group for specific applications

PRODUCT DIMENSIONS

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Permeate Connection</th>
<th>Process Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>inches (mm)</td>
<td>inches (mm)</td>
<td>inches (mm)</td>
<td>inches (mm)</td>
<td>1½” NPSM</td>
<td>6” NPSM</td>
</tr>
<tr>
<td>43 (1092)</td>
<td>5.0 (127)</td>
<td>38 ⅜ (961)</td>
<td>6.0 (152)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MEMBRANE INCOMPATIBILITY
Prior to exposing the membrane to any chemical, the chemical should be reviewed by Koch Membrane Systems. Aside from the listed chemicals below, synthetic coolants, semi-synthetic coolants, kerosenes, naphtha, gasoline, floc 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 Membrane Systems, 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 Membrane Systems, Inc. also offers a complete line of KOCHKLEEN® cleaning chemicals.