C₂-UF 200C Containerized System Specification Sheet

The C₂-UF product line from Clean Membranes offers the world's most compact, packaged ultrafiltration (UF) systems. The integrated, highly innovative Gigamem® UF240 module from Polymem contains a large membrane surface area, which enables the system's high production capacity within a remarkably small footprint.

The 24" OD Gigamem® UF240 module houses 52 individually replaceable fiber bundles for a total of 5,813 ft² of membrane surface area. Each bundle can be independently installed, inspected, repaired, or removed if necessary, thereby overcoming the complications typically associated with large filtration modules.

The C₂-UF 200C is a fully self-contained treatment system, requiring only electricity and water connections in order to operate. Built into a standard 20' ISO shipping container, the system contains two Gigamem® UF240 modules and all of the necessary supporting equipment.

C₂-UF 200C System

Max. Instantaneous Flow Rate 285 gpm*
Max. Daily Production 375,000 gallons*
Max. Inlet Pressure 58 psi
Max. Backwash Pressure 36.2 psi
Max. Filtration TMP 21.7 psi
Operating Temperature 32-104 °F
Max. PH Range (CEB & CIP) 2-11
Membrane Material Neophil™ PVDF
Pore Size (nominal) 0.025 µm
Power Supply 460 VAC, 3-phase
Cleaning Chemicals NaOCl, acid, base
Cleaning Frequency Water quality dependent*

*C₂-UF 200C System Connections

<table>
<thead>
<tr>
<th>Key Tie-In Points</th>
<th>Line Size</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Inlet (Feed)</td>
<td>DN4&quot;</td>
<td>Camlock</td>
</tr>
<tr>
<td>2 Outlet (Filtrate)</td>
<td>DN4&quot;</td>
<td>Camlock</td>
</tr>
<tr>
<td>3 BW Waste</td>
<td>DN4&quot;</td>
<td>Camlock</td>
</tr>
<tr>
<td>4 Drain (Waste)</td>
<td>DN2&quot;</td>
<td>Camlock</td>
</tr>
</tbody>
</table>

C₂-UF 200C System Dimensions

<table>
<thead>
<tr>
<th>Length</th>
<th>239&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>96&quot;</td>
</tr>
<tr>
<td>Height</td>
<td>114&quot;</td>
</tr>
</tbody>
</table>

*Production, cleaning frequency, and cleaning protocol will vary based upon operating conditions. See operating manual for additional information.

Membrane Performance

Outlet Turbidity < 0.1 NTU
Outlet SDI₅ < 3
Bacterial Reduction > 6 log
Virus Reduction > 3 log

Contact Clean Membranes for more information.

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