Ultrafiltration Pilot Unit
Pilot Plant R212

WesTech ultrafiltration (UF) is the solution for reliable high-quality water production for potable water, wastewater, reuse, and industrial process applications. A pilot is used to demonstrate performance, test specific criteria, and verify design parameters for full-scale systems.

Applications:
• Potable Water
  o >99.99% Crypto/Giardia Removal
• Tertiary Wastewater
• Industrial Process Water
• Small Communities and Camps
• Sites with Footprint Constraints
• Pretreatment to RO/NF
  o Filtrate SDI <3

The R212 pilot plant includes:
• Feed and backwash supply tanks
• Feed and backwash supply pumps
• 200 µm pre-strainer
• Ultrafiltration membranes
• CIP and maintenance cleaning system
• Membrane integrity monitoring
• Automatic control system
• Instrumentation:
  o Feed turbidimeter
  o Filtrate turbidimeter
  o Flowmeters
  o Pressure transmitters
  o pH transmitter
• Compressed air system

Pilot Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Rate</td>
<td>5 - 75 gpm</td>
</tr>
<tr>
<td>Dimensions</td>
<td>11’- 4” L x 4’- 10” W x 11’- 1” H</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>3,500 Pounds</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>480 V, 3 ph, 60 Hz, 30 amp or 240 V, 1 ph, 60 Hz, 100 amp</td>
</tr>
<tr>
<td>Connection Sizes</td>
<td>2” Flange - UF Feed</td>
</tr>
<tr>
<td></td>
<td>2” Flange - Filtrate</td>
</tr>
<tr>
<td></td>
<td>2” Flange - Backwash</td>
</tr>
<tr>
<td></td>
<td>waste/Drain</td>
</tr>
<tr>
<td>Operational Control</td>
<td>Automatic</td>
</tr>
</tbody>
</table>

Contact WesTech today to implement a pilot test at your facility. Our responsive engineering team will help facilitate scheduling and pilot setup of the ultrafiltration pilot plant.