FU200 SERIES
FOR FIXED OR FLOATING ROOF ABOVE GROUND TANKS

Floating Suction Units allow the withdrawal of clean product just below the surface of the liquid. FU200 series is designed for tanks with diameter larger than height. Floating Suction Units in all materials are suitable to be used in storage tanks ATEX Cat. 2 and 3.

Standards and regulations
• ASTM - ANSI - TTMA standards

Technical specifications
• Operating temperature: -15 / +65°C
• Operating pressure: 1 bar
• Test pressure: 3 bar
• Flow rate @2m/sec:

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Flow Rate (m³/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1½&quot;</td>
<td>10</td>
</tr>
<tr>
<td>2&quot;</td>
<td>15</td>
</tr>
<tr>
<td>3&quot;</td>
<td>30</td>
</tr>
<tr>
<td>4&quot;</td>
<td>60</td>
</tr>
<tr>
<td>6&quot;</td>
<td>120</td>
</tr>
<tr>
<td>8&quot;</td>
<td>270</td>
</tr>
<tr>
<td>10&quot;</td>
<td>420</td>
</tr>
<tr>
<td>12&quot;</td>
<td>600</td>
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<td>14&quot;</td>
<td>180</td>
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<tr>
<td>16&quot;</td>
<td>930</td>
</tr>
<tr>
<td>18&quot;</td>
<td>1200</td>
</tr>
<tr>
<td>20&quot;</td>
<td>1400</td>
</tr>
</tbody>
</table>

Components description (standard version)
• Swivel style F-40 in aluminum alloy, FKM seals, inlet flange ANSI 150
• Floating pipes in aluminum alloy
• Suction unit in aluminum alloy
• Strainer and anti-vortex device in stainless steel
• Float in aluminum alloy, single or double
• Control cable in stainless steel
Floating Suction Units

Options
- Carbon or stainless steel (mandatory for tanks ATEX Cat. 1)
- Inlet flange PN16 or other standards

Accessories
- Sampling system
- Level indicator

Dimensions in mm.
Dimensions according to tank diameter and height

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Standard documentation
- Declaration of conformity to applicable directives
- Final Test report
- Owner manual including BOM and spare part lists
- General Assembly Drawing

Documentation on request
a) Welding book (WB) composed of:
   - Welding Map (WM)
   - Welding qualifications (PQR)
   - Welding Procedures (WPS)
   - Welder Qualification (WQ)
   - Dye penetrant test on socket welds
   - X-ray on butt welds

b) Material Identification Map (MIM) with:
   - 3.1 EN 10204 Certifications for steel
   - 2.2 EN 10204 Certifications for aluminum and rubber materials

c) Complete Quality Control Plan (QCP) composed of:
   - Welding book (WB)
   - Material Identification Map (MIM)
   - Design calculation report with detailed drawings
   - Manufacturing plan