FS SYPHON SUCTION FILTREs

These filters retain impurities and liquids extracted through vacuum cups or vacuum clamping systems, preventing them from entering into the vacuum pumps. They are composed of:
- A transparent plexiglas cylindrical container with an extractable lid to allow inspection and cleaning.
- A check valve located on the suction inlet for preventing the air from returning in the filter when the pump is idle.
- A stainless steel mesh filtering cartridge with a filtering degree equal to 44 µ, also located on the suction inlet to retain dust and solid impurities.
- A 2-way manual valve for service vacuum interception.
- A 2-way manual valve for restoring the atmospheric pressure inside the filter.
- A magnetic level switch that stops the pump when the sucked liquid exceeds the safety level.
- A rigid pipe connected to the service to convey the air flow and the sucked liquid to the bottom of the container.
- A check valve at the bottom of the filter to automatically drain the sucked liquid and impurities every time the atmospheric pressure is restored inside the filter.
- A cock applied on the aforementioned check valve for manual liquid drainage.
- A sturdy metal bracket for fixing the filter to the wall.

Technical features

Working pressure: from 0.5 to 2000 mbar abs.
Fluid temperature: from -5 to +50 °C
Filtering degree: 44 µ

---

<table>
<thead>
<tr>
<th>Art.</th>
<th>d</th>
<th>Ø</th>
<th>Ø</th>
<th>Ø</th>
<th>Ø</th>
<th>cum/h</th>
<th>l</th>
<th>Capacity</th>
<th>Capacity</th>
<th>Spare</th>
<th>Spare</th>
<th>Spare</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS 5</td>
<td>G3/8&quot;</td>
<td>461</td>
<td>130</td>
<td>175</td>
<td>200</td>
<td>25</td>
<td>100</td>
<td>250</td>
<td>111</td>
<td>150</td>
<td>25</td>
<td>140</td>
<td>10</td>
</tr>
<tr>
<td>FS 10</td>
<td>G3/8&quot;</td>
<td>551</td>
<td>130</td>
<td>175</td>
<td>200</td>
<td>25</td>
<td>100</td>
<td>340</td>
<td>111</td>
<td>150</td>
<td>25</td>
<td>140</td>
<td>10</td>
</tr>
<tr>
<td>FS 20</td>
<td>G1/2&quot;</td>
<td>630</td>
<td>130</td>
<td>175</td>
<td>200</td>
<td>25</td>
<td>100</td>
<td>410</td>
<td>120</td>
<td>150</td>
<td>25</td>
<td>140</td>
<td>10</td>
</tr>
<tr>
<td>FS 25</td>
<td>G3/4&quot;</td>
<td>750</td>
<td>150</td>
<td>195</td>
<td>240</td>
<td>25</td>
<td>100</td>
<td>510</td>
<td>140</td>
<td>170</td>
<td>30</td>
<td>170</td>
<td>11</td>
</tr>
<tr>
<td>FS 30</td>
<td>G1&quot;</td>
<td>890</td>
<td>190</td>
<td>225</td>
<td>300</td>
<td>30</td>
<td>120</td>
<td>610</td>
<td>160</td>
<td>200</td>
<td>40</td>
<td>205</td>
<td>11</td>
</tr>
<tr>
<td>FS 50</td>
<td>G2&quot;</td>
<td>960</td>
<td>190</td>
<td>225</td>
<td>300</td>
<td>30</td>
<td>120</td>
<td>610</td>
<td>240</td>
<td>200</td>
<td>40</td>
<td>250</td>
<td>11</td>
</tr>
</tbody>
</table>

Conversion ratio: inch = 25.4, pounds = 453.6, Kg = 0.4536
GAS-NPT thread adapters available at page 1.117

5.21