Description
The Fig 16HP is a stainless steel Y-type strainer designed to remove scale, rust and other debris from the pipeline.
The standard stainless steel screen is 1/32" (0.8 mm) perforations.

Standards
This product fully complies with the requirements of the European Pressure Equipment Directive 97/23/EC.

Certification
The product is available with a manufacturer’s Typical Test Report for the body and cap as standard and EN 10204 3.1 to special order at extra cost.

Note: All certification/inspection requirements must be stated at the time of order placement.

Sizes and pipe connections
¼", ⅜", ½", ¾", 1", 1¼" 1½" and 2"
Screwed NPT
Socket weld ends to BS 3799 Class 3000 lb

Optional extras
Strainer screens

<table>
<thead>
<tr>
<th>Material</th>
<th>Perforations</th>
<th>Mesh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless steel</td>
<td>1/16&quot; (1.6 mm) and 1/8&quot; (3.0 mm)</td>
<td>40, 100 and 200</td>
</tr>
<tr>
<td>Monel screen</td>
<td>1/32&quot; (0.8 mm) and 1/8&quot; (3.0 mm)</td>
<td>100</td>
</tr>
</tbody>
</table>

Blowdown valve connections
The cap is drilled to the following sizes to enable a blowdown valve to be fitted.

<table>
<thead>
<tr>
<th>Strainer size</th>
<th>Blowdown valve</th>
</tr>
</thead>
<tbody>
<tr>
<td>¼&quot;, ⅜&quot; and ½&quot;</td>
<td>½&quot;</td>
</tr>
<tr>
<td>⅜&quot; and 1&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>1¼&quot; and 1½&quot;</td>
<td>1¼&quot;</td>
</tr>
<tr>
<td>2&quot;</td>
<td>1¼&quot;</td>
</tr>
</tbody>
</table>

Pressure / temperature limits

<table>
<thead>
<tr>
<th>Temperature °F</th>
<th>Pressure psi g</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 - 290</td>
<td>0 - 1450</td>
</tr>
<tr>
<td>290 - 580</td>
<td>1450 - 1740</td>
</tr>
<tr>
<td>580 - 870</td>
<td>1740 - 1919</td>
</tr>
</tbody>
</table>

Steam saturation curve

The product must not be used in this region.

Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only.

In the interests of development and improvement of the product, we reserve the right to change the specification.

 Materials

<table>
<thead>
<tr>
<th>No.</th>
<th>Part</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>Stainless steel A182 F316L / 1.4404</td>
</tr>
<tr>
<td>2</td>
<td>Cap</td>
<td>Stainless steel ASTM A351 CF8M / 1.4408</td>
</tr>
<tr>
<td>3</td>
<td>Cap gasket</td>
<td>Reinforced exfoliated graphite</td>
</tr>
<tr>
<td>4</td>
<td>Strainer screen</td>
<td>Stainless steel A240 316L</td>
</tr>
</tbody>
</table>

Body design conditions

<table>
<thead>
<tr>
<th>PMA</th>
<th>Maximum allowable pressure</th>
<th>1,919 psi g @ 100°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMA</td>
<td>Maximum allowable temperature</td>
<td>1,000°F @ 968 psi g</td>
</tr>
<tr>
<td></td>
<td>Minimum allowable temperature</td>
<td>-20°F</td>
</tr>
<tr>
<td>PMO</td>
<td>Maximum operating pressure</td>
<td>1,919 psi g @ 100°F</td>
</tr>
<tr>
<td>TMO</td>
<td>Maximum operating temperature</td>
<td>1,000°F @ 968 psi g</td>
</tr>
<tr>
<td></td>
<td>Minimum operating temperature</td>
<td>-20°F</td>
</tr>
</tbody>
</table>

Note: For lower operating temperatures consult Spirax Sarco

Designed for a maximum cold hydraulic test pressure of 2,900 psi g
Strainers

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