Typical applications

Gas turbine rigid pocket filters with mini-pleated extended filtering surface are developed for gas turbine and compressor applications. The main advantages of such construction are a low pressure loss and a long life time of the filter. With a flange of 25 mm filters may be installed into standard mounting frames.

Advantages

• Strong plastic frame and rigid construction guarantee high stability during utilization
• Ease of maintenance
• Long service life
• Filters are completely incinerable

Technical characteristics

Media
Water resistant dual layer glass fibre paper provides a progressive density media with high dust collection ability.

Separators
Cotton threads with hot melt gluing

Sealant
Cold moulded polyurethane

Frame
Plastic

Gasket
Foamed rubber on the dirty air side

Operating temperature
80°C

Relative humidity
Max. 100 %

Specifications

• Filters available in classes F7-F9
• Available in two depths: 292 and 420 mm
• Burst protection grids available on dirty air side (2 or 8 grids)

Quality and environment

The operations of Halton Clean Air Oy are certified with the ISO 9001:2000 Quality and ISO 14001 Environmental standards.
EFFICIENCY

<table>
<thead>
<tr>
<th>FILTER CLASS</th>
<th>Average efficiency, Em % 0,4 μm</th>
<th>CEN - EN 779</th>
</tr>
</thead>
<tbody>
<tr>
<td>F7</td>
<td>80 ≤ Em &lt; 90</td>
<td></td>
</tr>
<tr>
<td>F8</td>
<td>90 ≤ Em &lt; 95</td>
<td></td>
</tr>
<tr>
<td>F9</td>
<td>95 ≤ Em</td>
<td></td>
</tr>
</tbody>
</table>

DIMENSIONS

Pressure drop as a function of the air flow rate (clean device)

<table>
<thead>
<tr>
<th>NR CODE</th>
<th>Dimensions</th>
<th>Flow rate m³/h</th>
<th>Filtering surface m²</th>
<th>Initial pressure drop Pa</th>
<th>Volume m³</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CLP - RP - P - 402 - 593 - 292 - 4GT - F7 - GF - P</td>
<td>402 x 593 x 292</td>
<td>3300</td>
<td>11,8</td>
<td>180</td>
<td>0,084</td>
</tr>
<tr>
<td>2</td>
<td>CLP - RP - P - 288 - 593 - 292 - 4GT - F7 - GF - P</td>
<td>288 x 593 x 292</td>
<td>2250</td>
<td>8,5</td>
<td>180</td>
<td>0,060</td>
</tr>
<tr>
<td>3</td>
<td>CLP - RP - P - 491 - 593 - 292 - 4GT - F7 - GF - P</td>
<td>491 x 593 x 292</td>
<td>4100</td>
<td>14,5</td>
<td>180</td>
<td>0,102</td>
</tr>
<tr>
<td>4</td>
<td>CLP - RP - P - 593 - 593 - 292 - 4GT - F7 - GF - P</td>
<td>593 x 593 x 292</td>
<td>5000</td>
<td>18,0</td>
<td>180</td>
<td>0,123</td>
</tr>
</tbody>
</table>

Recommended final pressure drop ≤ 600 Pa
Maximum final pressure drop ≤ 1000 Pa
RIGID POCKET FILTERS - Gas Turbine Model

Recommended final pressure drop < 600 Pa
Maximum final pressure drop < 1000 Pa
RIGID POCKET FILTERS - Gas Turbine Model
**RIGID POCKET FILTERS - Gas Turbine Model**

<table>
<thead>
<tr>
<th>NR CODE</th>
<th>Dimensions W x L x D mm</th>
<th>Flow rate m³/h</th>
<th>Filtering surface m²</th>
<th>Initial pressure drop Pa</th>
<th>Volume m³</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>402 x 593 x 420</td>
<td>2200</td>
<td>18,00</td>
<td>110</td>
<td>0,100</td>
<td>5,20</td>
</tr>
<tr>
<td>2</td>
<td>288 x 593 x 420</td>
<td>16000</td>
<td>14,00</td>
<td>110</td>
<td>0,072</td>
<td>4,00</td>
</tr>
<tr>
<td>3</td>
<td>491 x 593 x 420</td>
<td>2700</td>
<td>22,00</td>
<td>110</td>
<td>0,125</td>
<td>6,00</td>
</tr>
<tr>
<td>4</td>
<td>593 x 593 x 420</td>
<td>3400</td>
<td>30,00</td>
<td>110</td>
<td>0,150</td>
<td>7,00</td>
</tr>
</tbody>
</table>

Recommended final pressure drop ≤ 600 Pa
Maximum final pressure drop ≤ 1000 Pa