Compact Rigid V-Filters

Highly efficient and environmentally-friendly our Compact Rigid V-Filters can be installed in existing filter housings with no modification required. Tested according to ISO 16890 / EN 779:2012, they offer outstanding filtration performance, lower energy consumption and greatly improve Indoor Air Quality (IAQ). They are ideal for use in hospitals, pharmaceutical and food industries as well as office environments and computer centres.

Choose Compact Rigid V-Filters for outstanding IAQ.

THE KEY BENEFITS

1. High indoor air quality
   The V configuration creates a large surface area delivering fine filtration coupled with a high dust holding capacity promoting consistently high levels of IAQ.

2. Environmentally Friendly
   The V shaped plastic frames are fully incinerable eliminating the need for any waste to landfill.

3. Longer service life
   The energy efficient V design and high performance filter media significantly increases service life whilst reducing energy consumption, filter changes and labour cost.

Filter class acc. to ISO 16890

<table>
<thead>
<tr>
<th>Filter Class</th>
<th>ePM 10</th>
<th>ePM 2.5</th>
<th>ePM 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>M5</td>
<td>55%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M6</td>
<td>65%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F7</td>
<td>70%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F8</td>
<td>60%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F9</td>
<td>80%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MATERIAL CHARACTERISTICS
• Tested according to EN 779:2012
• Energy efficient
• Recommended final pressure drop: 450 - 1000pa
• Humidity resistant up to 100% r.h.
• Temperature resistant up to 80°C
• Glass fibre and hot melts

APPLICATIONS
• Hospitals, offices and computer centres
• Pharmaceutical and food environments
• Fine pre-filtration for HEPA filters

VERSIONS
• 25mm header

### Standard versions Compact Rigid V-Filters M5 - F9

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Depth (mm)</th>
<th>Filter surface (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>592</td>
<td>592</td>
<td>292</td>
<td>18</td>
</tr>
<tr>
<td>490</td>
<td>592</td>
<td>292</td>
<td>14.5</td>
</tr>
<tr>
<td>287</td>
<td>592</td>
<td>292</td>
<td>9</td>
</tr>
</tbody>
</table>

Please order in the following sequence: Width x Height x Depth

### Compact Rigid V-Filter; 592 x 592 x 292 mm; 8 filter packs
F7 ePM 2.5 70%

- Nominal air flow rate (m³/h): 3600
- Initial pressure drop (Pa): 80
- Recommended final pressure drop (Pa): 450 - 1000
- Average efficiency (0.4µm) (%): 85%
- Filter area (m²): 18

Information: The recommended final pressure drop for compact filters is 650 Pa (filter classes M5 - M6 and F7 - F9)

### Graph ES Compact Rigid V-Filter
F7 ePM 2.5 70%

- Compact filter F7

- Plot of Initial pressure drop [Pa] vs. Air flow rate [m³/h]