Compact Carbon Filter
Type CV8 Full Plastic Frame

Overview
The CV8 Full Plastic Frame Compact Carbon Filter is designed to meet the strictest requirements in gas and odour filtration applications.

Each CV8 Full Plastic Filter contains eight (8) ‘Minipleat-Media Packs’ cast in V-shape technology to achieve the lowest pressure drop results and the highest gas absorption capacity.

FEATURES:
- High quality micro fibre laminated carbon media
- Lowest initial pressure drop
- High quality standards due to Quality Assurance System
- Highly economical through high final pressure drop
- Any airflow direction possible making installation easy
- Rigid frame

FILT-AIR LTD.
Fine Dust Filter
Final Filter for Fan Filter Units
Final Filter for Clean Rooms
Final Filter for Channel Installation
Highly Active Filter Surface & Low Pressure Drop
Final Filter for Grid Systems
### Design

The side covers of the filter are made from rigid plastic with integrated water outlet slopes on both the up and down stream sides. Connection slots for the insertion of the prefilter frame HFA-# are also included. These features, in combination with the reinforced profiles, provide maximum space for the filter media pack and ensure a high mechanical strength. The filters are supplied with a flat flange and endless gasket\(^1\) creating a secure seal between the filter and each standard prefilter holding frame.

\(^1\) Optional

- High quality micro-fibre laminated carbon media
- Lowest initial pressure drop
- Highest gas absorption capacity
- Rigid full plastic frame
- Filter height only 292 mm
- High quality standards due to Quality Assurance System
- Highly economical through high media thickness
- Usable in two flow directions
- Endless gasket (optional)

### Testing

The filters are tested in accordance with the ISO 11155-2 standard for removal of indoor and outdoor gaseous contaminants.

<table>
<thead>
<tr>
<th>Filter Type</th>
<th>CV8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Media:</td>
<td>Carbon granulate bonded three layers media</td>
</tr>
<tr>
<td>Rated face velocity:</td>
<td>m/s 2.7</td>
</tr>
<tr>
<td>Recommended final pressure drop:</td>
<td>Pa 450</td>
</tr>
<tr>
<td>Max. continuous temperature:</td>
<td>ºC 70</td>
</tr>
<tr>
<td>Max. relative humidity:</td>
<td>% 98</td>
</tr>
<tr>
<td>Flammability classification to DIN 53436:</td>
<td>K1/F1</td>
</tr>
</tbody>
</table>
### Technical Data

<table>
<thead>
<tr>
<th>Size Code</th>
<th>29</th>
<th>39</th>
<th>49</th>
<th>59</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size L x W</td>
<td>592 x 287 mm</td>
<td>592 x 389 mm</td>
<td>592 x 490 mm</td>
<td>592 x 592 mm</td>
</tr>
<tr>
<td>Rated airflow</td>
<td>1640 m³/h</td>
<td>2230 m³/h</td>
<td>2800 m³/h</td>
<td>3400 m³/h</td>
</tr>
<tr>
<td>Active filter surface, Initial pressure drop @ rated airflow</td>
<td>4.4 m², 92 Pa</td>
<td>5.7 m², 88 Pa</td>
<td>7.2 m², 84 Pa</td>
<td>9 m², 80 Pa</td>
</tr>
<tr>
<td>Carbon weight</td>
<td>3.2 kg</td>
<td>4.8 kg</td>
<td>6.5 kg</td>
<td>7.3 kg</td>
</tr>
<tr>
<td>Active filter surface, Initial pressure drop @ rated airflow</td>
<td>4.4 m², 61 Pa</td>
<td>5.7 m², 57 Pa</td>
<td>7.2 m², 53 Pa</td>
<td>9 m², 50 Pa</td>
</tr>
<tr>
<td>Carbon weight</td>
<td>2.2 kg</td>
<td>3.6 kg</td>
<td>5.0 kg</td>
<td>6.0 kg</td>
</tr>
</tbody>
</table>

### Dimensional Drawing

- **Width**: 292 mm
- **Length**: 25 mm

### Initial Pressure Drop

![Graph showing Initial Pressure Drop]
Order Numbers

Order no. CV8 - A B C D E F
Example CV8 - 50 59 6 0 0 0

Specifications are subject to change without prior notice

**HEPA & ULPA Filters for Industrial Clean Rooms**

FILT AIR Ltd. specializes in the use of advanced technologies to implement a purified air supply for high-tech industry clean rooms, the microelectronics business sectors, and pharmaceutical industries. FILT AIR Ltd. has a broad range of client groups, such as hospitals, industrial plants, commercial buildings, and companies requiring clean air inside gas turbines.

FILT AIR’s range of products is designed and produced in order to achieve the highest possible quality and offers safety and reliability with optimum prices and product availability. Since 2001, FILT AIR Ltd. has been registered and certified for Quality Management according to ISO 9001 (Registration No: IQNet: IL-24203).