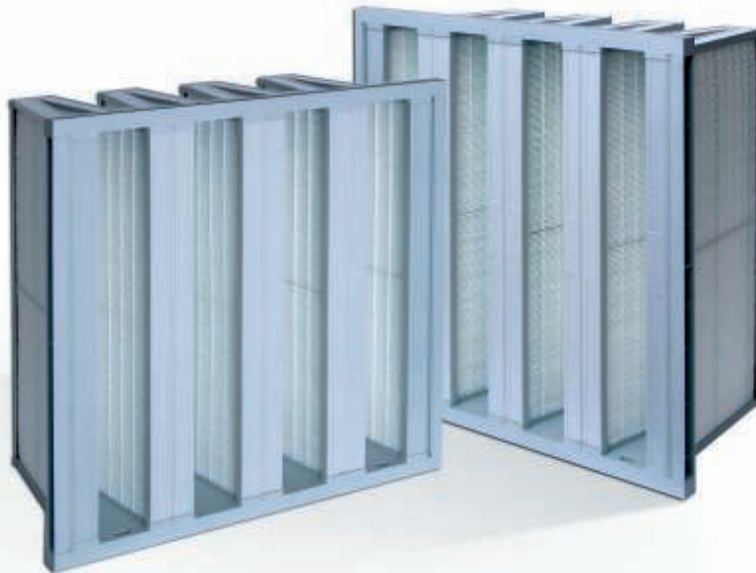




Compact HEPA-Filter

Type GV8 Full Plastic (H10 - H14)



Features:

- Efficiencies of 95 % up to 99.999 %
- High quality glass fibre paper
- Lowest initial pressure drop
- High quality standard due to Quality Assurance System
- Highly economic through high final pressure drop
- Any airflow direction possible making installing easy
- Full plastic frame



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Overview

The Compact HEPA-Filter GV8 is designed and tested to extract smallest particles out of the air. Each GV8 Compact HEPA-Filter contains eight (8) "Minipleat-Papercakes" pleated in one piece and assembled in V-shape technology to achieve lowest pressure drop results.



- High quality glass fibre paper
- Lowest initial pressure drop
- Full plastic frame
- Filter height only 292mm
- High quality standard due to Quality Assurance System
- High burst pressure (> 2000 Pa)
- Highly economical through high final pressure drop
- Useable in two flow directions
- Filter tested according to BS EN 1822



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 pre-filter frame HFA-# are also included. These features, in combination with the reinforced profiles, provide maximum space for the filter media pack and obtain a high mechanical strength. The filters are supplied with a flat flange and endless gasket¹ creating a secure seal between the filter and each standard pre-filter holding frame.

¹Optional



Testing

Each HEPA-filter is tested and packed in accordance with American Standard IEST-RP-CC-001.3 (HEPA and ULPA Filters) or in accordance with the European Standard EN 1822-1, 4&5 (Testing filter elements HEPA and ULPA efficiency and scan method) or other customer requested testings.



Applicable Standards:

- EN 1822



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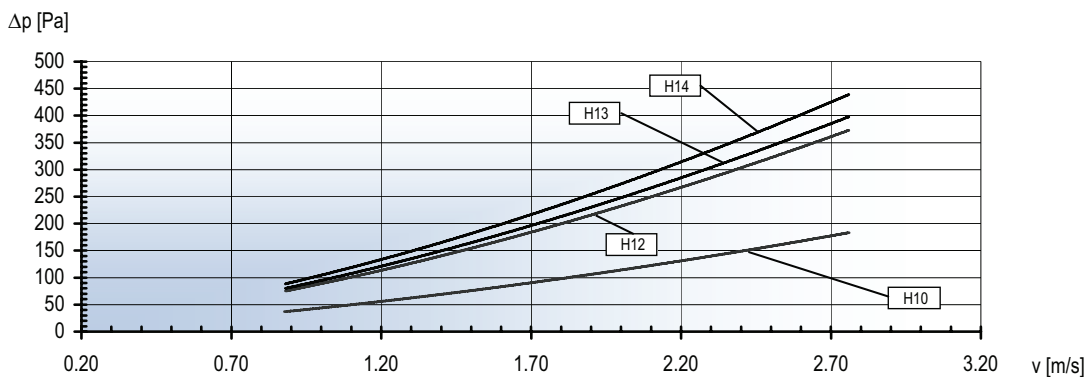
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Technical Data

| Size code | 29 | 39 | 49 | 59 | |
|--|-----------------------------|------------------------------|------------------------------|------------------------------|--------|
| Size L x W | 592 x 287 mm | 592 x 389 mm | 592 x 490 mm | 592 x 592 mm | |
| Weight | 3.3 kg | 4.6 kg | 5.4 kg | 6.1 kg | |
| Rated airflow | 1200 m ³ /h | 1580 m ³ /h | 1980 m ³ /h | 2400 m ³ /h | |
| Active Filter Surface Initial pressure drop @ rated airflow | 9.5 m ² / 110 Pa | 13.4 m ² / 110 Pa | 17.3 m ² / 108 Pa | 21.5 m ² / 98 Pa | GV8-10 |
| | 9.5 m ² / 244 Pa | 13.4 m ² / 236 Pa | 17.3 m ² / 228 Pa | 21.5 m ² / 225 Pa | GV8-12 |
| | 9.5 m ² / 248 Pa | 13.4 m ² / 240 Pa | 17.3 m ² / 232 Pa | 21.5 m ² / 230 Pa | GV8-13 |
| | 9.5 m ² / 268 Pa | 13.4 m ² / 260 Pa | 17.3 m ² / 254 Pa | 21.5 m ² / 250 Pa | GV8-14 |

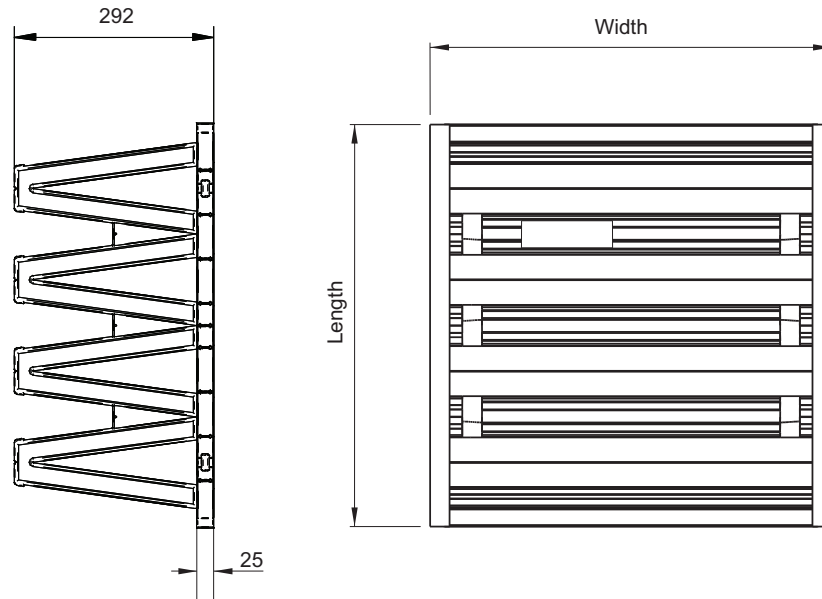
| Filter data | | H 10 | H 12 | H 13 | H 14 |
|--|-----|--------|---------|----------|-----------|
| Rated face velocity | m/s | 1.9 | 1.9 | 1.9 | 1.9 |
| Filter class according EN 1822 | | H 10 | H 12 | H 13 | H 14 |
| Min. initial efficiency @ Rated Airflow with MPPS-DEHS test | % | > 85 | > 99.93 | > 99.95 | > 99.990 |
| Min. initial efficiency @ rated airflow with particle size Ø 0.3µm | % | > 95 | > 99.97 | > 99.990 | > 99.9990 |
| Recommended final pressure drop | Pa | 600 | 600 | 600 | 600 |
| Bursting pressure | Pa | > 2000 | > 2000 | > 2000 | > 2000 |
| Max. continuous temperature | °C | 80 | 80 | 80 | 80 |
| Max. relative humidity | % | 100 | 100 | 100 | 100 |
| Flammability classification to DIN 53438 | | K1/F1 | K1/F1 | K1/F1 | K1/F1 |

Initial Pressure Drop





Dimensional Drawing



Order Numbers

Order no. **GV8** - **A** **B** - **C** **D** **E** **F**
 Example **GV8** - **14** **59** - **6** **0** **0** **D**

| Efficiency | A | Size L x W | B | Frame | C | Construction | D | Screen material | E | Seal | F |
|------------|----|--------------|----|--------------|---|--------------|---|-----------------|---|---------------|---|
| H 10 | 10 | 592 x 287 mm | 29 | Full Plastic | 6 | No Screen | 0 | No Screen | 0 | No Seal | 0 |
| H 12 | 12 | 592 x 389 mm | 39 | | | | | | | 1x Downstream | D |
| H 13 | 13 | 592 x 490 mm | 49 | | | | | | | 1x Upstream | U |
| H 14 | 14 | 592 x 592 mm | 59 | | | | | | | | |

Specifications are subject to change without prior notice