



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.

Applicable Standards:

- EN 1822
- ISO 9001:2000



- 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

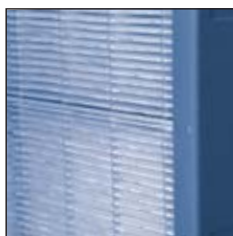
The side covers of the filter are made from rigid plastic with integrated water outlet slopes on both the up and down stream sides. Connection slots for the insertion of the pre-filter frame HFA-# are also included. These features, in combination with the reinforced profiles, provide maximum space for 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.





Technical Data

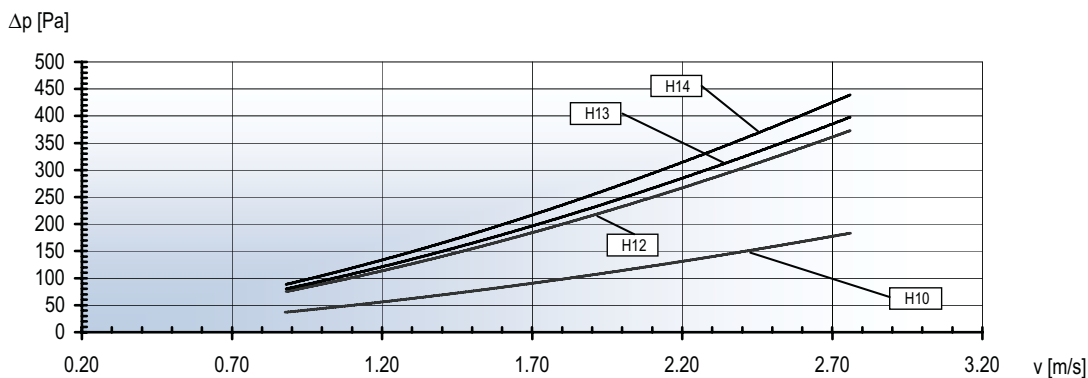
Size code	29	39	49	59	
Size L x W	592 x 287 mm	592 x 389 mm	592 x 490 mm	592 x 592 mm	
Weight	3.3 kg	4.6 kg	5.4 kg	6.1 kg	
Rated airflow	1200 m ³ /h	1580 m ³ /h	1980 m ³ /h	2400 m ³ /h	
Active Filter Surface Initial pressure drop @ rated airflow	9.5 m ² 110 Pa	13.4 m ² 110 Pa	17.3 m ² 108 Pa	21.5 m ² 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

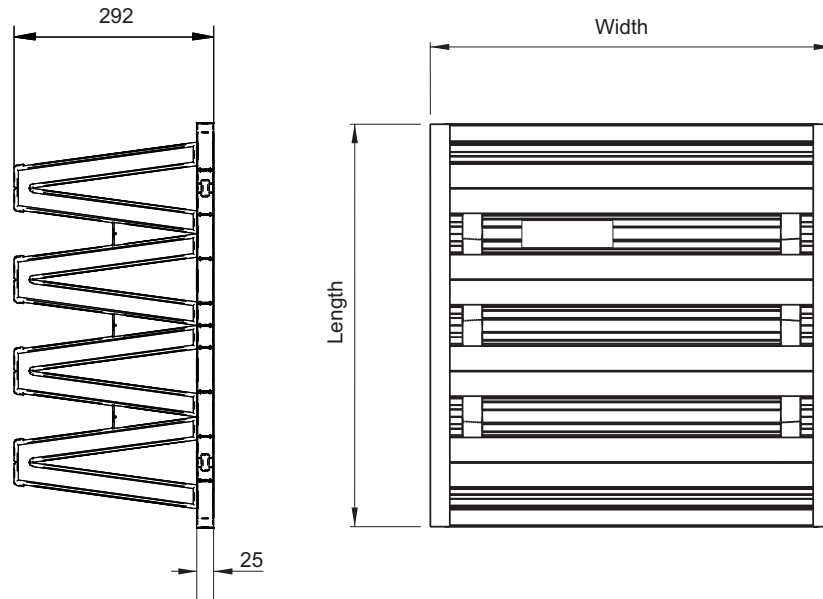


Initial Pressure Drop





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