



## Compact HEPA-Filter

Type GV8 Full Plastic (H10-H14)



### Overview

The Compact HEPA-Filter GV8 is designed and tested to extract the 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 the lowest pressure drop results.

### FEATURES:

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



**Finedust - HEPA / ULPA**

### 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, ensure maximum space for the filter media pack and provide a high mechanical strength. The filters are supplied with a flat flange and endless gasket<sup>1</sup> creating a secure seal between the filter and each standard prefilter holding frame.

<sup>1</sup> Optional

### AVAILABLE STANDARDS:

- EN 779
- ISO 9001:2008

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

## 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 testing.

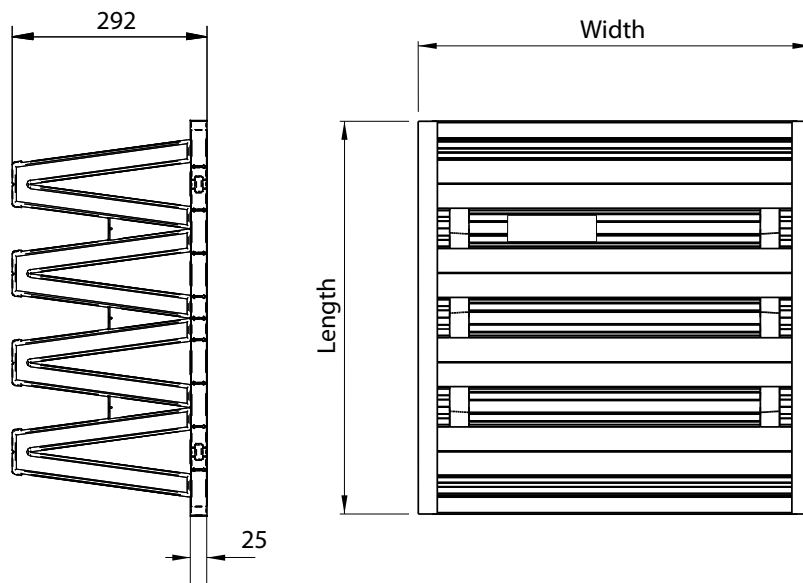


Filter Data		H 10	H 12	H 13	H 14
Rated face velocity	m/s	1.9	1.9	1.9	1.9
Filter class according to EN 1822		H 10	H 12	H 13	H 14
Min. initial efficiency @ rated airflow with MPPS-DEHS test	%	> 85	> 99.93	> 99.95	> 99.990
Min. initial efficiency @ rated airflow with particle size $\phi$ 0.3 $\mu$ m	%	> 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

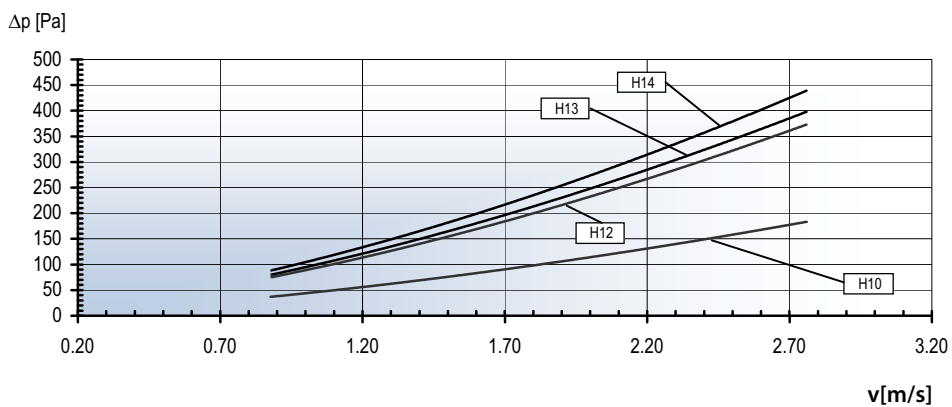
## Technical Data

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 <sup>3</sup> /h	1580 m <sup>3</sup> /h	1980 m <sup>3</sup> /h	2400 m <sup>3</sup> /h	
Active filter surface	9.5 m <sup>2</sup>	13.4 m <sup>2</sup>	17.3 m <sup>2</sup>	21.5 m <sup>2</sup>	GV8-10
Initial pressure drop @ rated airflow	110 Pa	110 Pa	108 Pa	98 Pa	
Active filter surface	9.5 m <sup>2</sup>	13.4 m <sup>2</sup>	17.3 m <sup>2</sup>	21.5 m <sup>2</sup>	GV8-12
Initial pressure drop @ rated airflow	244 Pa	236 Pa	228 Pa	225 Pa	
Active filter surface	9.5 m <sup>2</sup>	13.4 m <sup>2</sup>	17.3 m <sup>2</sup>	21.5 m <sup>2</sup>	GV8-13
Initial pressure drop @ rated airflow	248 Pa	240 Pa	232 Pa	230 Pa	
Active filter surface	9.5 m <sup>2</sup>	13.4 m <sup>2</sup>	17.3 m <sup>2</sup>	21.5 m <sup>2</sup>	GV8-14
Initial pressure drop @ rated airflow	268 Pa	260 Pa	254 Pa	250 Pa	

## Dimensional Drawing



## Initial Pressure Drop



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## Order Numbers

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

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							1 x Downstream	D
H 13	13	592 X 490 mm	49							1 x Upstream	U
H 14	14	592 X 592 mm	59								

Specifications are subject to change without prior notice

## HEPA & ULPA Filters for Industrial Clean Rooms

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