



## Compact HEPA-Filter

### Type GVA



### Overview

The Compact HEPA-Filter GVA is designed and tested to extract the smallest particles out of the air. Each GVA Compact HEPA-Filter contains

ten (10) 'Minipleat-Papercakes' pleated in one piece and assembled in V-shape technology to achieve the lowest pressure drop results.

#### FEATURES:

- Efficiencies of 99.97 % up to 99.99 %
- 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
- Rigid 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

## AVAILABLE STANDARDS:

- EN 779
- ISO 9001:2008

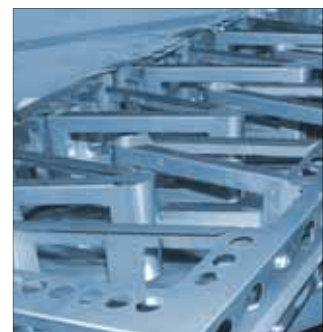
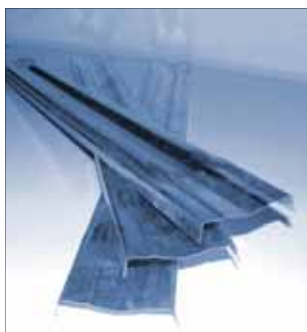
## Design

The side covers are made from rigid cast polyurethane in combination with upper and lower zinc-coated profiles. This design ensures maximum space for the filter media pack and provides an extremely high mechanical strength. The fibreglass media pleated in 'minipleat shape' forms one continuous media and is cast in V-shape technology directly into the frame-sealant material. This design gives an absolutely tight media-frame connection in correlation to a highly active filter surface with a minimal pressure drop. The filters are supplied with a flat flange for a secure seal between the filter and each standard holding frame.

- High quality glass fibre paper
- Lowest initial pressure drop
- Rigid frame
- Zinc coated profiles
- Filter height only 292mm
- High quality standards 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

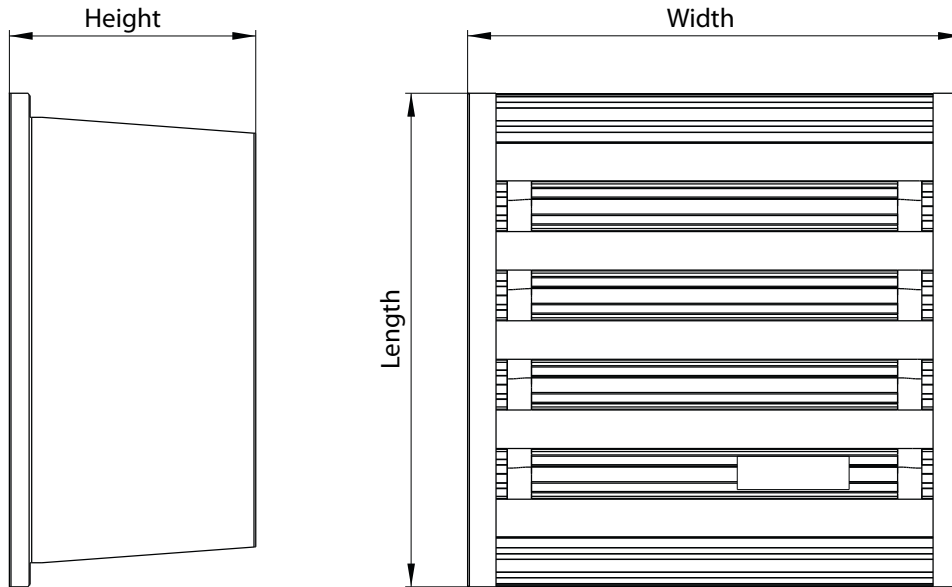
## Testing

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 Type		GVA-12	GVA-13
Filter class according to EN 1822		H 12	H 13
Min. initial efficiency @ rated airflow with MPPS-DEHS test	%	> 99.93	> 99.95
Min. initial efficiency @ rated airflow with particle size $\phi$ 0.3 $\mu$ m	%	> 99.97	> 99.99
Recommended final pressure drop	Pa	600	600
Bursting pressure	Pa	>2000	>2000
Max. continuous temperature	°C	80	80
Max. relative humidity	%	100	100
Flammability classification to DIN 53436		K1/F1	K1/F1

## Dimensional Drawing

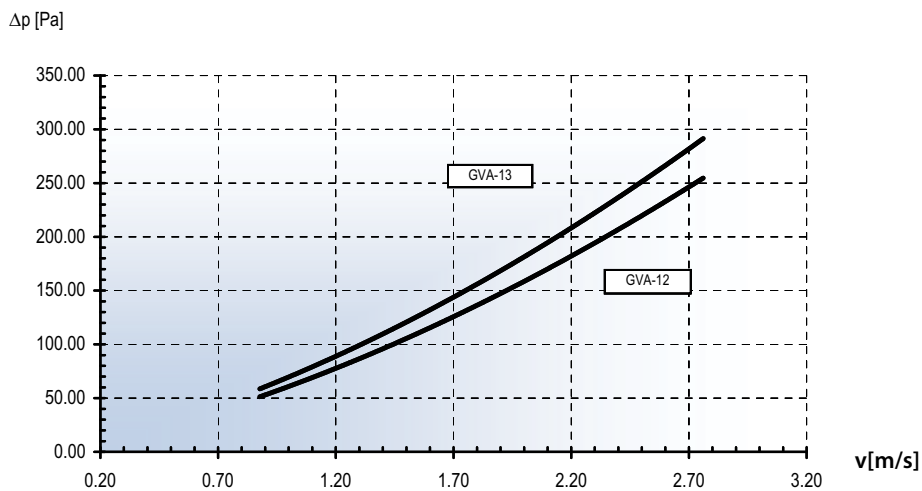


All dimensions are in mm

## Technical Data

Size Code	29	39	49	59	63	66	
Size L x W	592 x 287 mm	592 x 389 mm	592 x 490 mm	592 x 592 mm	610 x 305 mm	610 x 610 mm	
Weight	5.8 kg	7.0 kg	8.2 kg	10.8 kg	6.8 kg	11.4 kg	
Rated airflow	1300 m <sup>3</sup> /h	1980 m <sup>3</sup> /h	2500 m <sup>3</sup> /h	3000 m <sup>3</sup> /h	1600 m <sup>3</sup> /h	3200 m <sup>3</sup> /h	
Active filter surface	14 m <sup>2</sup>	17.4 m <sup>2</sup>	22.6 m <sup>2</sup>	28 m <sup>2</sup>	14.5 m <sup>2</sup>	29 m <sup>2</sup>	
Initial pressure drop @ rated airflow	226 Pa	242 Pa	232 Pa	226 Pa	273 Pa	233 Pa	GV8-12
Active filter surface	14 m <sup>2</sup>	17.4 m <sup>2</sup>	22.6 m <sup>2</sup>	28 m <sup>2</sup>	14.5 m <sup>2</sup>	29 m <sup>2</sup>	
Initial pressure drop @ rated airflow	250 Pa	262 Pa	252 Pa	250 Pa	296 Pa	253 Pa	GV8-13

## Initial Pressure Drop



Finedust - HEPA / ULPA



## Order Numbers

Order no.	GVA	-	A	B	-	C	D	E	F
Example	GVA	-	12	59	-	1	0	0	0

Efficiency	A	Size L x W	B	Frame	C	Construction	D	Screen Material	E	Seal	F
H 12	12	592 X 287 mm	29	Steel Powder Coated	2	No Screen	0	No Screen	0	No Seal	0
H 13	13	592 X 389 mm	39	Steel Zinc-Coated	3	Handle Face Guard	D	Exp. Steel / Powder Coated	C	1 x Downstream	D
		592 X 490 mm	49					Exp. Steel / Zinc-Coated	D	1 x Upstream	U
		592 X 592 mm	59								
		610 X 305 mm	63								
		610 X 610 mm	66								

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).

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