



Compact HEPA Filter

Type G17



Overview

The G17 series uses a 140mm high fibreglass media pack in 'Minipleat shape' with a new application technology of 'Hot Melt Spacers' in order to achieve lowest pressure drop results.

This G17 construction provides the ultimate, optimal solution for every application.

FEATURES:

- Efficiencies of 95% up to 99.9995% (@ 0.3 μm)
- High quality micro fibreglass media
- Lowest initial pressure drop
- High quality standards due to Quality Assurance System
- Highly economical through high final pressure drop
- Usable in two flow directions
- 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

Design

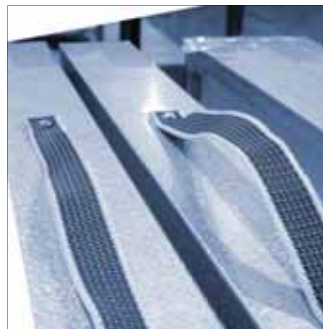
The filter frame is made from zinc-coated or powder-coated black steel and is connected with pop rivets on each side to achieve maximum mechanical strength. The fibreglass media is pleated in 'Minipleat shape' to one filter cake and is cast into the frame. The sealing of the housing is achieved through a leak-free, dry-seal application.

Technical Data

HEPA Filter Data		H 10	H 13	H 14
Rated Face Velocity	m/s	1.5	1.5	1.5
Pleating height	mm	140	140	140
Initial pressure drop @ rated airflow	Pa	103	203	230
Filter class as per EN 1822		H 10	H 13	H 14
Initial efficiency @ rated airflow				
Test with MPPS (integral)	%	>85	>99.90	>99.990
Test with aerosol Ø 0.3 µm	%	>95	>99.990	>99.9990
Filter class as per EUROVENT 4/4		EU 10	EU 13	EU 14
Filter class as per DIN 24184		R	S	T
Recommended final pressure drop	Pa	600	600	600
Flammability classification to DIN 53438		K1/F1	K1/F1	K1/F1
Max. relative humidity	%	100	100	100
Max. continuous temperature	°C	80	80	80

AVAILABLE STANDARDS:

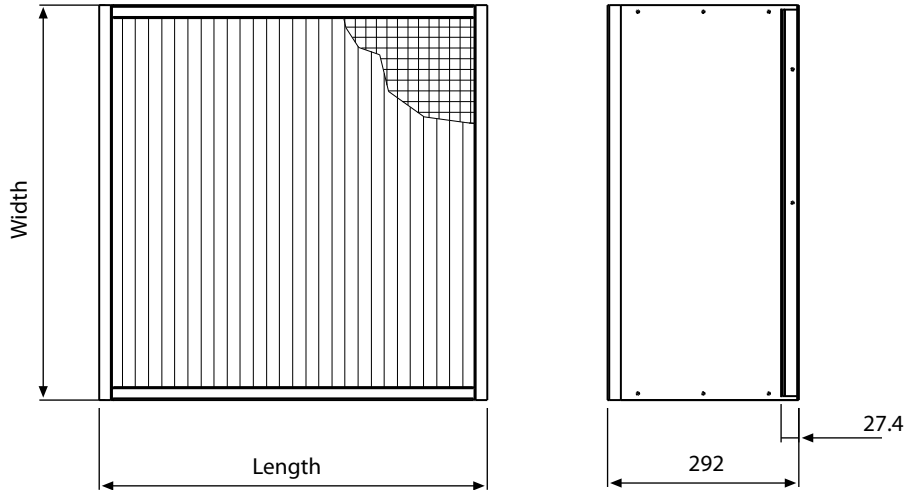
- EN 1822-5
- IEST-RP-CC001.3
- ISO 9001:2008



Testing

Each HEPA-filter is tested and packed in accordance with American standard IEST-RP-CC001.3 (HEPA and ULPA Filters), in accordance with the European standard BS EN 1822-1 4 & 5 (Testing filter elements HEPA and ULPA efficiency and scan method), or customer requested testing.

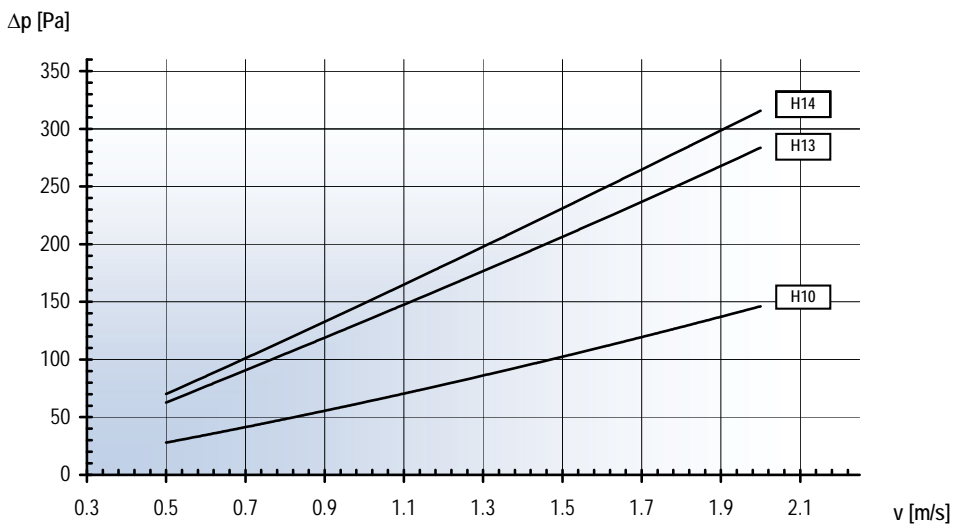
Dimensional Drawing



Filter Dimensions

Filter Size		Rated Airflow		Weight	
305 x 305	mm	500	m ³ /h	3.9	kg
305 x 610	mm	1005	m ³ /h	6.8	kg
457 x 305	mm	750	m ³ /h	5.2	kg
457 x 457	mm	1130	m ³ /h	7.8	kg
457 x 610	mm	1505	m ³ /h	10.1	kg
610 x 610	mm	2010	m ³ /h	12.7	kg
762 x 610	mm	2510	m ³ /h	16.1	kg
915 x 610	mm	3015	m ³ /h	19.2	kg

Initial Pressure Drop



Finedust - HEPA / ULPA



Order Numbers

Order no.	G17	A	-	B	C	-	D	E	F
Example	G17	13	-	66	D	-	2	L	1

Efficiency	A	Size LxW	B	Frame	C	Screen	D	Screen Material	E	Seal	F
H10	10	305 x 305 mm	33	Steel Powder Coated	C	No Screen	0	No Screen	0	No Seal	0
H13	13	305 x 610 mm	36			1x Screen on Seal Side	1	Exp. Steel / Powder Coated	C	1x Dry	1
H14	14	457 x 305 mm	43	Steel Zinc Coated	D	1x Screen on Opposite of Seal	2	Wire Mesh Zinc Coated	L	Both Sides	2
		457 x 457 mm	44			2x Screen	3				
		457 x 610 mm	46								
		610 x 610 mm	66								
		762 x 610 mm	76								
		915 x 610 mm	96								
		Other dimensions available upon request									

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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