



Panel HEPA Filter Type G09



Features:

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

FILT AIR Ltd.

Member of the Beth-El Zikhron Yaaqov Group

Zikhron Yaaqov 30951
P.O.B. 166, Israel

Tel.: + 972 - 4 - 629 9999
Fax: + 972 - 4 - 629 9900
e-mail: export@filt-air.com
<http://www.filt-air.com>



Overview

The G09 filter is designed and tested to extract the smallest particles out of the air. The G09 series contains a fibreglass media pack at a height of 56 mm in "Minipleat shape" with a new application technology of "Hot Melt Spacers" to achieve lowest pressure drop results. This G09 construction always gives the best and optimal solution for each application.

Applicable Standards:

- EN 1822-5
- IEST-RP-CC001.3
- ISO 9001:2000



Design

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



Testing

Each HEPA filter is tested and packed in accordance with American standard IEST-RP-CC001.3 (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 customer requested testings.





Technical Data

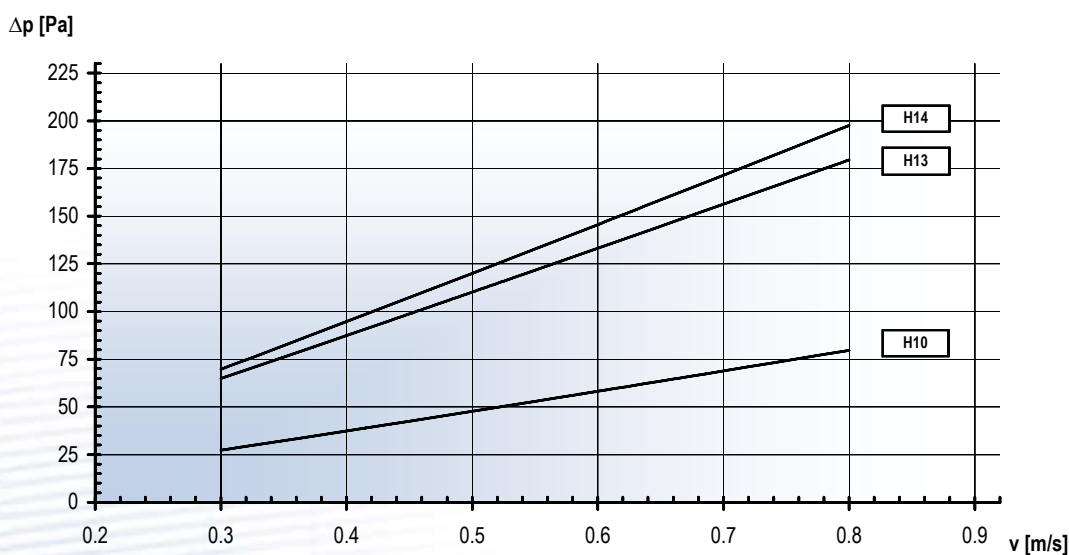
HEPA Filter data		H 10	H 13	H 14
Rated face velocity	m/s	0.5	0.5	0.5
Pleating height	mm	56	56	56
Initial pressure drop @ rated airflow	Pa	48	110	120
Filter class as per EN 1822		H 10	H 13	H 14
Initial efficiency @ rated airflow				
Test with MPPS (integral)	%	>85	>99.95	>99.995
Test with aerosol Ø 0.3 µm	%	>95	>99.995	>99.9995
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



Filter Dimensions

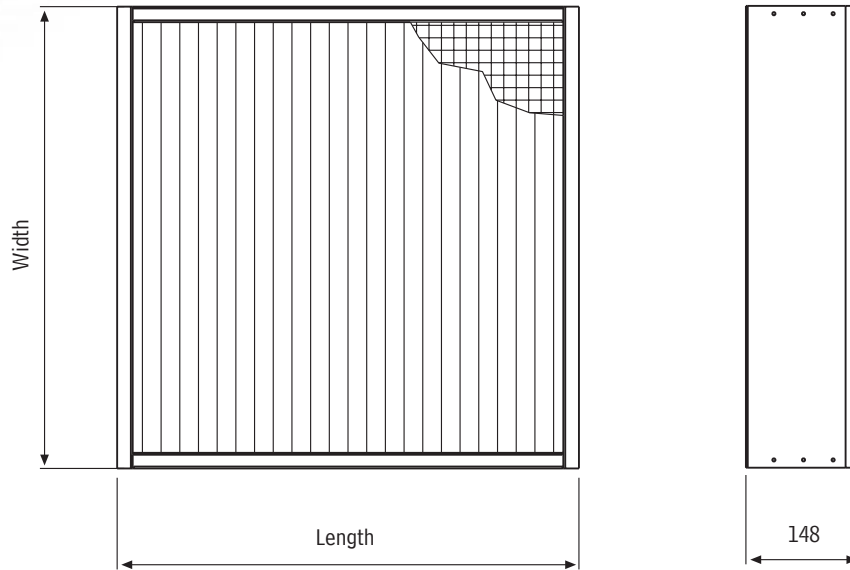
Filter size		Rated Airflow		Weight	
305 x 305	mm	170	m³/h	2.9	kg
305 x 610	mm	335	m³/h	4.9	kg
457 x 305	mm	250	m³/h	3.8	kg
457 x 457	mm	375	m³/h	5.7	kg
457 x 610	mm	500	m³/h	7.4	kg
610 x 610	mm	670	m³/h	9.3	kg
762 x 610	mm	840	m³/h	11.8	kg
915 x 610	mm	1005	m³/h	14.1	kg

Initial Pressure Drop





Dimensional Drawing



Order Numbers

Order no. G09 - **A** - **B** - **C** - **D** - **E** - **F**

Example G09 - **13** - **66** - **D** - **2** - **L** - **1**

Efficiency	A	Size L x W	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	Steel Zink Coated	D	1x Screen on Seal Side	1	Exp. Steel / Powder Coated	C	1x Dry	1
H14	14	457 x 305 mm	43			1x Screen on Seal Opposite	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