



Panel HEPA Filter

Type G09



Overview

The G09 series uses a 56 mm high fibreglass media pack in 'Minipleat shape' with a new application technology of 'Hot melt Spacers' in

order to achieve the lowest pressure drop results. This G09 construction provides the ultimate, optimal solution for every application.

FEATURES

- Efficiencies of 95% up to 99.9995% (@ 0.3 m)
- 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

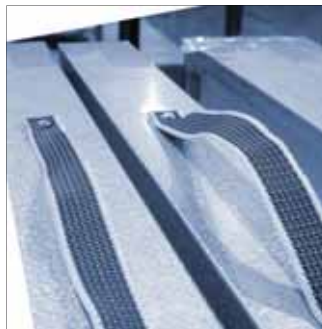
The filter frame is made from zinc-coated or powder-coated black steel and is connected with pop rivets on each side to achieve the maximum mechanical strength. The fibreglass media is pleated in 'Minipleat shape' to one filter cake and is cast into the frame. The sealing of the housing is achieved through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

Technical Data

| HEPA Filter Data | | H 10 | H 13 | H 14 |
|--|-----|-------|---------|----------|
| Rated Face Velocity | m/s | 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 |

AVAILABLE STANDARDS:

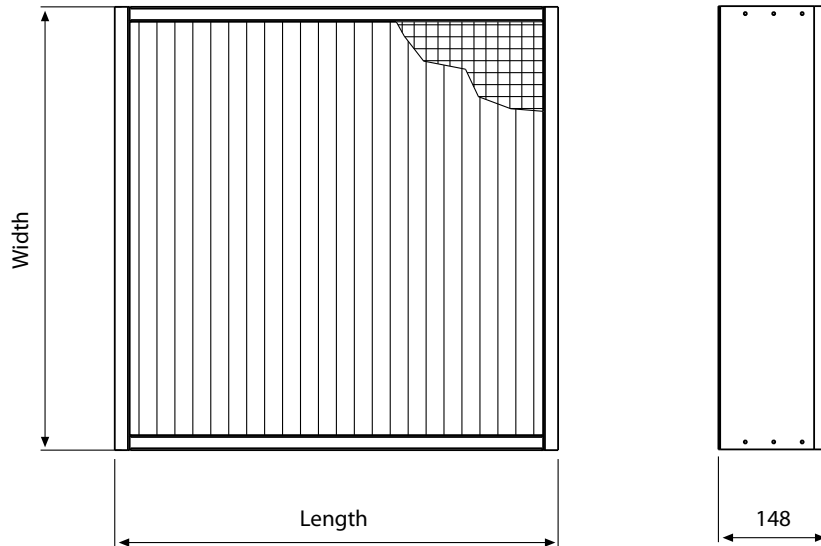
- EN 1822-5
- IEST-RP-CC001.3
- ISO 9001:2008



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 EN 1822-1 4 & 5 (Testing filter elements HEPA and ULPA efficiency and scan method), or customer requested testing.

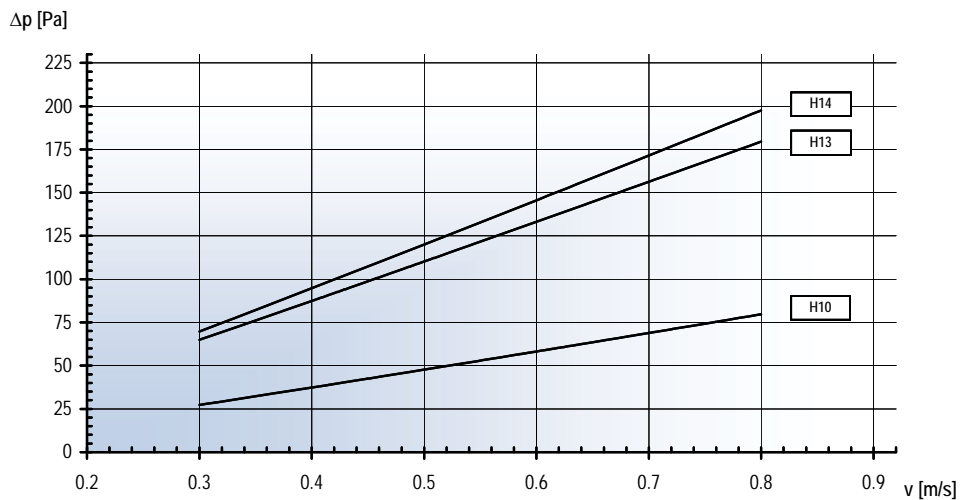
Dimensional Drawing



Filter Dimensions

| Filter Size | | Rated Airflow | | Weight | |
|------------------|-----------|---------------|------------------------|------------|-----------|
| 305 x 305 | mm | 170 | m³/h | 2.9 | kg |
| 305 x 610 | mm | 335 | m ³ /h | 4.9 | kg |
| 457 x 305 | mm | 250 | m ³ /h | 3.8 | kg |
| 457 x 457 | mm | 375 | m ³ /h | 5.7 | kg |
| 457 x 610 | mm | 500 | m ³ /h | 7.4 | kg |
| 610 x 610 | mm | 670 | m ³ /h | 9.3 | kg |
| 762 x 610 | mm | 840 | m ³ /h | 11.8 | kg |
| 915 x 610 | mm | 1005 | m ³ /h | 14.1 | kg |

Initial Pressure Drop



Finedust - HEPA / ULPA



Order Numbers

| | | | | | | | | | |
|-----------|-----|----|---|----|---|---|---|---|---|
| Order no. | G09 | A | - | B | C | - | D | E | F |
| Example | G09 | 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).

FILT-AIR Ltd.

Member of the Beth-El Group

Main Office: P.O. Box 166
Zikhron Yaaqov, 3095101, Israel

Tel: + 972-4-610 7777

Fax: + 972-4-635 0396

info@filt-air.com

www.filt-air.com