Filtrowin Industries

Filtro HEPA HV

V Bank High Velocity HEPA Filters

Key Features

- Large filtration surface area.
- Long service life
- Low pressure drop
- High dust holding capacity
- Easy installation
- One side handle available

- **Filter Standard** EN 1822 / IEST-RP-CC001
- **Frame Type** GI / Wood / Aluminium
- **Media** Glassfiber
- **Separator** Hotmelt
- **Sealing component** PU
- **Efficiency** H13 , H14 / 99.99 % to 99.999 %
- **Final Pressure Drop** 750 Pa / 3" WG
- **Gasket** Single piece PU foam gasket

Filtro HEPA HV filters are new generation High Velocity filters with HEPA efficiencies ranging from H13 to H14 grades. These filters offers an extremely low pressure drop, high dust holding capacity, longer service life and less maintenance costs.

Construction

Filter Frames

The standard frame construction includes fire retardant Wood Particle Board, Galvanized steel (16,18 or 24gauge) and anodized aluminium.

Filter Media

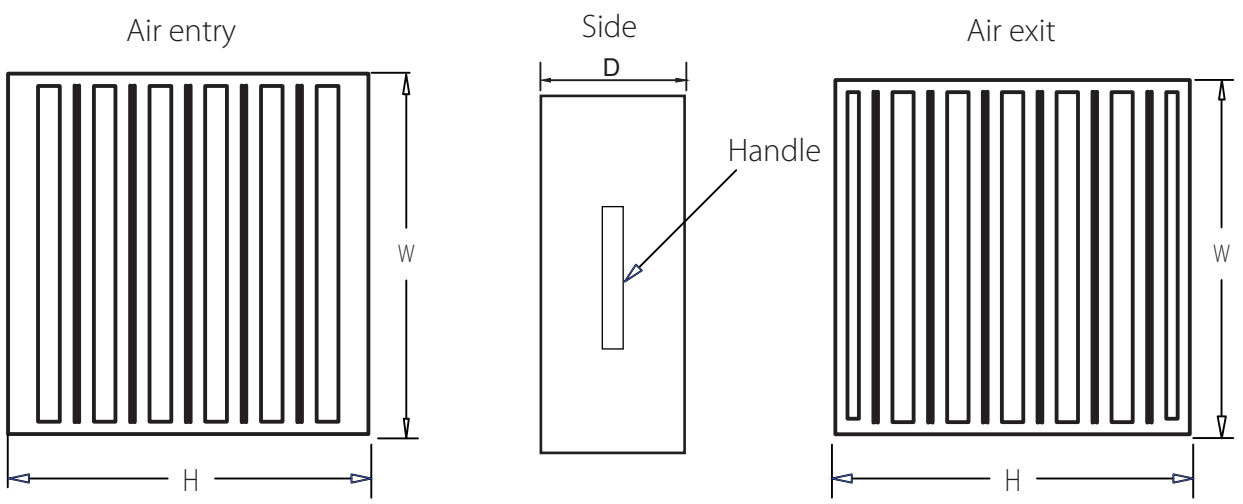
Filtro HEPA HV filters are manufactured from continuous length superior quality micro glass fiber paper media available in various efficiencies from H13 - H14. The filter media is moisture resistant and fire retardant. Anti-microbial treated papers are also available for special applications. Filter media pack are uniform and closely pleated with positively spaced by hotmelt beads. This type of pleat separation allows optimum media utilization and offers very low pressure drops and high crossing surface to hold the very fine dust.

Sealant & Gaskets

The pleated media pack is encapsulated into the filter frame utilizing a two part high density fire retardant urethane elastomer. A flat profile neoprene gasket or a one-piece seamless urethane gasket is used to ensure a leak free seal to the filter housing.

Filter Testing

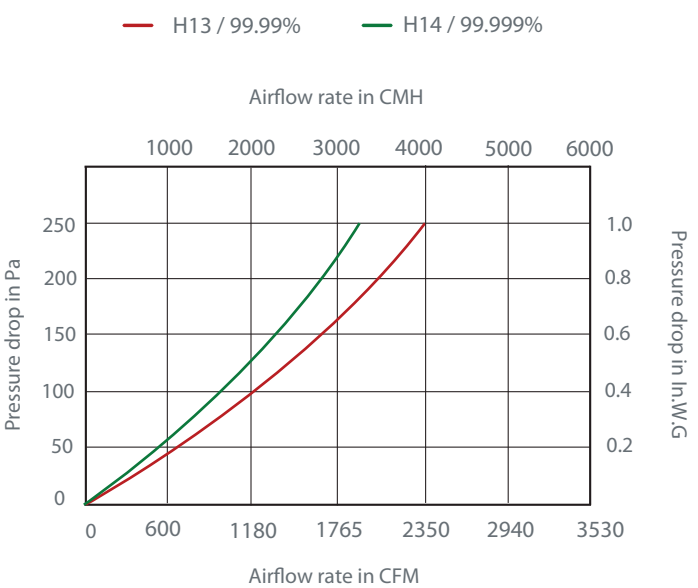
The finished filters undergoes a thorough quality checking .They are scan tested individually to ensure a leak proof performance and each filter posses the label showing the scan test result on it. We have testing facilities as per EN1822 / IEST-RP- CC001 Standard. Testing of filters can be done according to customer's request.



Performance Data

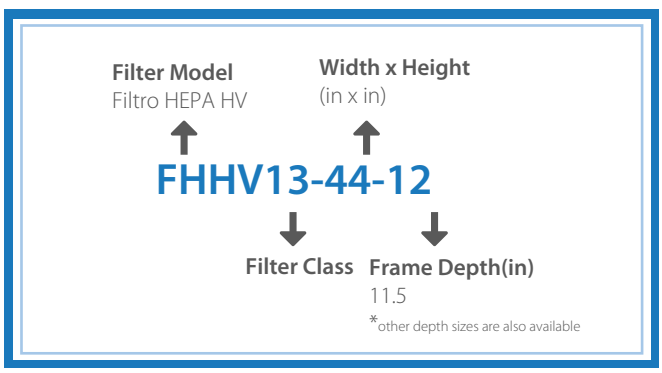
Filter Model	Filter Size (inches)	Filter Size (mm)	Frame	Efficiency	Airflow (CMH/CFM)	Initial Resistance (Pa/ in.W.G)
FHHV13-22-12	12 x 12 x 11.5	305 x 305 x 292	GI	H13/99.99%	1000/600	250/1
FHHV13-24-12	12 x 24 x 11.5	305 x 610 x 292	GI	H13/99.99%	2000/1180	250/1
FHHV13-44-12	24 x 24 x 11.5	610 x 610 x 292	GI	H13/99.99%	4000/2350	250/1
FHHV13-430-12	24 x 30 x 11.5	610 x 762 x 292	GI	H13/99.99%	5000/2940	250/1
FHHV14-22-12	12 x 12 x 11.5	305 x 305 x 292	GI	H14/99.999%	800/470	250/1
FHHV14-24-12	12 x 24 x 11.5	305 x 610 x 292	GI	H14/99.999%	1600/941	250/1
FHHV14-44-12	24 x 24 x 11.5	610 x 610 x 292	GI	H14/99.999%	3200/1883	250/1
FHHV14-430-12	24 x 30 x 11.5	610 x 762 x 292	GI	H14/99.999%	4000/2350	250/1

Airflow vs Initial Resistance



Available upon request	SS304 Frame
	HT Model (Filtro HEPA HVHT)
	Plastic Frame (Filtro HEPA HVP)

Model Details Breakdown



Frame	GI / Wood / Aluminium
Media	Glass fiber
Separator	Glassfiber Ribbon
Sealant	Silicon
Max.operating temp.	90°C / 194°F
Efficiency standard	EN 1822 / IEST-RP-CC001
Nominal air velocity	3 m/s
Final pressure drop	750 Pa / 3" WG
Gasket	Single Piece PU Foam Gasket

Our Group Companies and Global Network

Aerofil Filters Manufacturing LLC

CLAIRON Quality Air Filters

Aerofil International GmbH