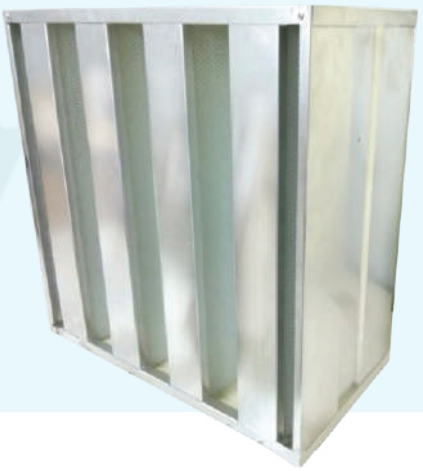
Filtrowin Industries

Filtro HEPA HVHT

Mini Pleat High Velocity HT HEPA Filters



Key Features

- High temperature resistance
- High velocity V-Bank design
- Long 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** Stainless Steel
- **Media** Glassfiber
- **Separator** Glassfiber Ribbon
- **Sealing component** HT Silicone
- **Efficiency** E10 to H14 / DOP 95% to 99.999 %
- **Final Pressure Drop** 750 Pa / 3" WG
- **Gasket** Red HT Silicone gasket
- **Max. Operating Temperature** 260°C / 500°F

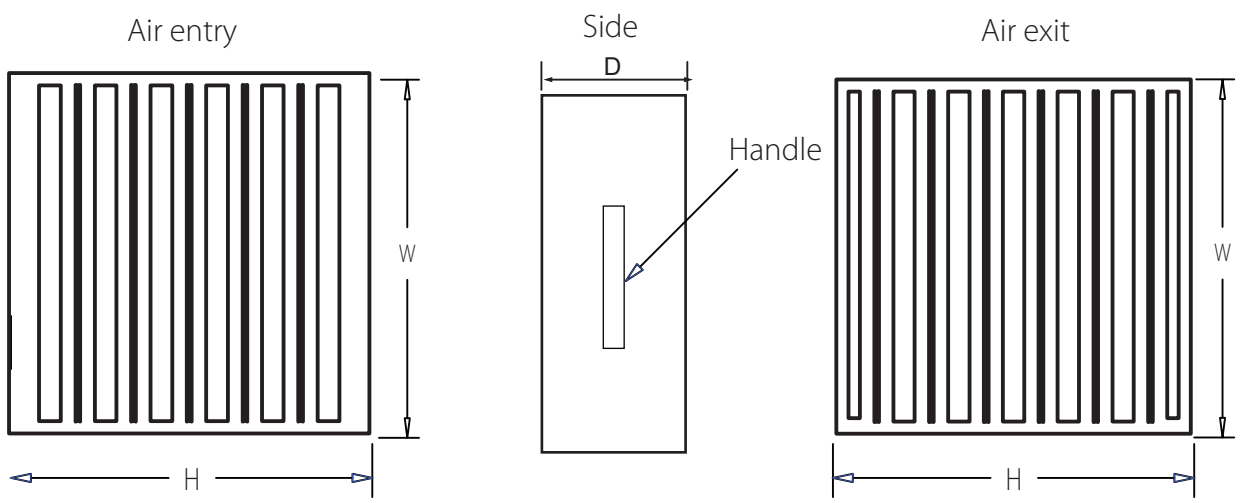
Filtro HEPA HVHT filters are the new generation high efficiency mini-pleat high temperature HEPA filters available in a wide range of efficiencies from E10 to H14. Filtro HEPA HVHT filters are designed to deal with hot air filtration in installations where highest degree of air cleanliness is required. These are provided with stainless steel frame. The pleats are separated by glass paper and sealed with high temperature silicone sealant.

Construction

Filtro HEPA HVHT filters are made up of High Temperature micro-fine glass fiber filter media, closely pleated and separated using a glass paper ribbon separator which gives a uniform spacing between the pleats and accommodates very large quantity of filter media. The mini-pleated packs are arranged in a perfect V bank design and encased in a stainless steel frame. The filter media is potted using a high temperature red silicon sealant. Glass fiber or red silicone gaskets are also used which resist the high temperatures.

Filter Testing

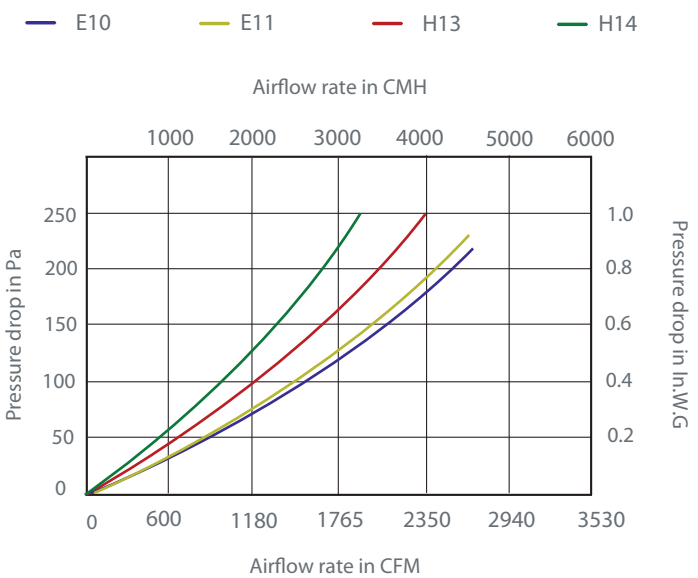
The finished filters undergoes a thorough quality checking .They are scan tested individually to ensure a leak proof performance and each filter posses the label showing the scan test result on it. We have testing facilities as per EN1822 / IEST-RP- CC001 Standard. Testing of filters can be done according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



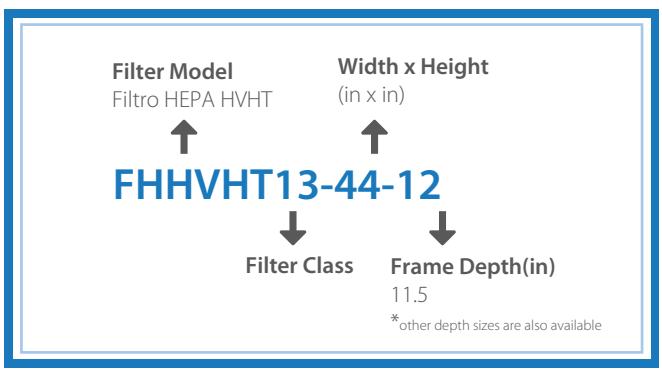
Performance Data

Filter Model	Filter Size (inches)	Filter Size (mm)	Frame	Efficiency	Airflow (CMH/CFM)	Initial Resistance (Pa/ in.W.G)
FHHVHT14-44-12	24 x 24 x 12	610 x 610 x 292	SS	H14/99.999%	3200/1883	250/1
FHHVHT14-24-12	12 x 24 x 12	305 x 610 x 292	SS	H14/99.999%	1600/941	250/1
FHHVHT13-44-12	24 x 24 x 12	610 x 610 x 292	SS	H13/99.99%	4000/2350	250/1
FHHVHT13-24-12	12 x 24 x 12	305 x 610 x 292	SS	H13/99.99%	2000/1180	250/1
FHHVHT11-44-12	24 x 24 x 12	610 x 610 x 292	SS	E11/DOP 98%	4000/2350	190/0.75
FHHVHT11-24-12	12 x 24 x 12	305 x 610 x 292	SS	E11/DOP 98%	2000/1180	190/0.75
FHHVHT10-44-12	24 x 24 x 12	610 x 610 x 292	SS	E10/DOP 95%	4000/2350	180/0.70
FHHVHT10-24-12	12 x 24 x 12	305 x 610 x 292	SS	E10/DOP 95%	2000/1180	180/0.70

Airflow vs Initial Resistance



Model Details Breakdown



Frame	Stainless steel
Media	Glass fiber
Separator	Glassfiber Ribbon
Sealant	HT Silicone
Max. Operating Temp	260°C / 500°F
Efficiency standard	EN 1822 / IEST-RP-CC001
Nominal air velocity	3 m/s
Final pressure drop	750 Pa / 3" WG
Gasket	Red HT silicone gasket

Available upon request	GI Frame (Filtro HEPA HV)
	Plastic Frame (Filtro HEPA HVP)

Our Group Companies and Global Network

Aerofil Filters Manufacturing LLC

CLAIRON Quality Air Filters

Aerofil International GmbH