

Filtro HEPA HVP-Plastic Frame

High Velocity V Bank HEPA Filters



Key Features

- Large filtration surface area.
 - Long service life
 - High velocity with lower pressure drop
 - High dust holding capacity
 - Easy installation
 - High quality glass fiber media
 - Fully incinerable - Metal free
- ▼ **Filter Standard** EN 1822 / IEST-RP-CC001
 - ▼ **Frame Type** Plastic
 - ▼ **Media** Glass fiber
 - ▼ **Separator** Hotmelt
 - ▼ **Sealing component** PU
 - ▼ **Efficiency** E10 to H14 / DOP 95 % to 99.999 %
 - ▼ **Final Pressure Drop** 750 Pa / 3" WG
 - ▼ **Gasket** Single piece PU foam gasket

Filtro HEPA HVP are mini pleated, box style high velocity HEPA filters. These filters operate at very high velocity of 3.2 m/s and are considered the best replacements for conventional HEPA filters. This also features plastic frame construction and so is a "metal free" filter which is incinerable. HVP are available in 6V, 5V, 4V, 3V and 2V configuration ranging from E10 to H14.

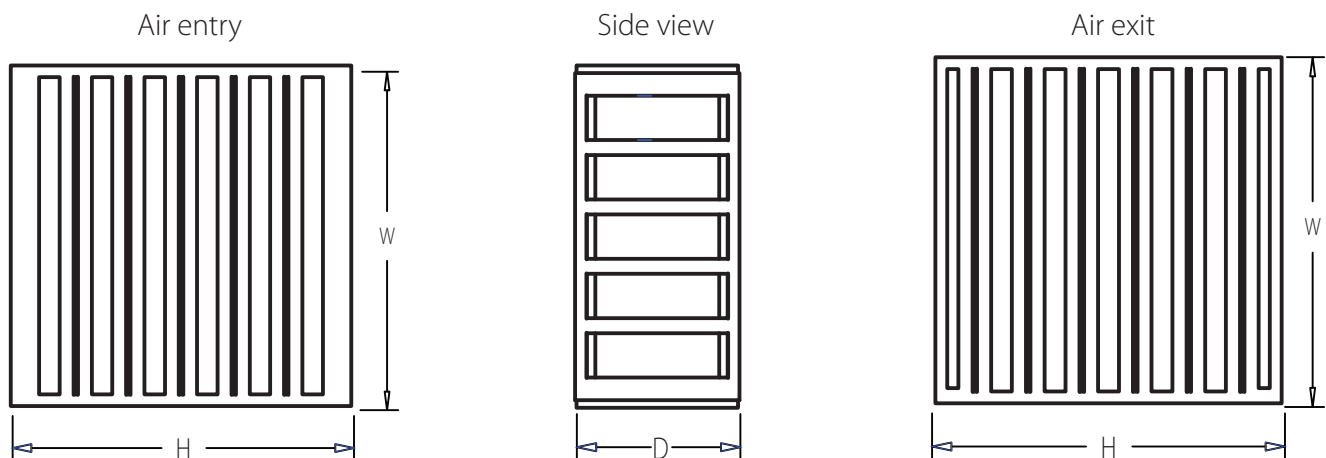
Construction

The standard frame construction is by food grade ABS and strong enough to withstand clamping force. Media manufactured from continuous length superior quality micro glass fiber paper media available in various efficiencies. The filter media is moisture resistant and fire retardant. These consist of closely pleated media, positively spaced using thermosetting beads. This type of pleat separation allows optimum media utilization and offers very low pressure drops and large surface area to hold the very fine dusts.

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 filter undergoes a thorough quality checking. They are scan tested individually to ensure a leak proof performance and each filter possesses the label showing the scan test result on it. We have the testing facilities as per EN 1822 and American Standard IEST-RP- CC001.3. Testing of filters can be done according to the customer's request.

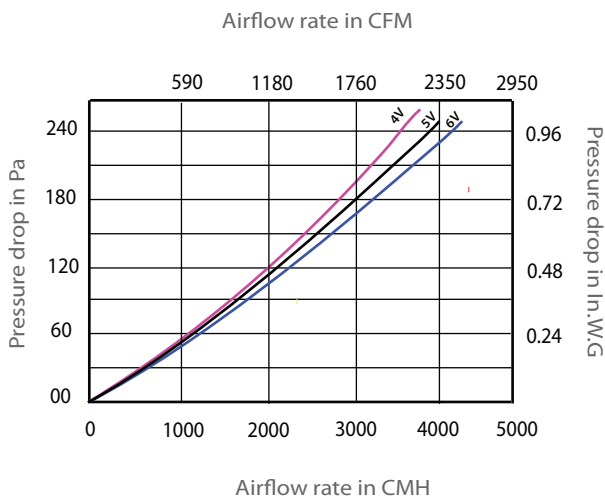




Filter Model	Actual size		Nominal Size (in)	Airflow (CMH/CFM)			
				IPD @ 125 Pa		IPD @ 250 Pa	
	(mm)	(in)		E10/DOP95%	E11/DOP98%	H13/DOP99.99%	H14/DOP99.999%
6V							
FHVP-EFF*-44-12-6V	610 X 610 X 292	24 X 24 X 11.5	24 X 24 X 11.5	4250/2500	3400/2000	4250/2500	3400/2000
FHVP-EFF*-24-12-6V	305 X 610 X 292	12 X 24 X 11.5	12 X 24 X 11.5	2125/1250	1700/1000	2125/1250	1700/1000
4V							
FHVP-EFF*-44-12-4V	610 X 610 X 292	24 X 24 X 11.5	24 X 24 X 11.5	3400/2000	2720/1600	3400/2000	2720/1600
FHVP-EFF*-24-12-4V	305 X 610 X 292	12 X 24 X 11.5	12 X 24 X 11.5	1700/1000	1360/800	1700/1000	1360/800
5V							
FHVP-EFF*-44-12-5V	610 X 610 X 292	24 X 24 X 11.5	24 X 24 X 11.5	4000/2350	3200/1880	4000/2350	3200/1880
FHVP-EFF*-33-12-5V	592 X 592 X 292	23.31 X 23.31 X 11.5	23.31 X 23.31 X 11.5	4000/2350	3200/1880	4000/2350	3200/1880
FHVP-EFF*-24-12-5V	305 X 610 X 292	12 X 24 X 11.5	12 X 24 X 11.5	2000/1180	1600/940	2000/1180	1600/940
3V							
FHVP-EFF*-23-12-3V	290 X 592 X 292	11.41 X 23.31 X 11.5	11.41 X 23.31 X 11.5	1870/1100	1500/880	1870/1100	1500/880
2V							
FHVP-EFF*-24-12-2V	305 X 610 X 292	12 X 24 X 11.5	12 X 24 X 11.5	1700/1000	1360/800	1700/1000	1360/800

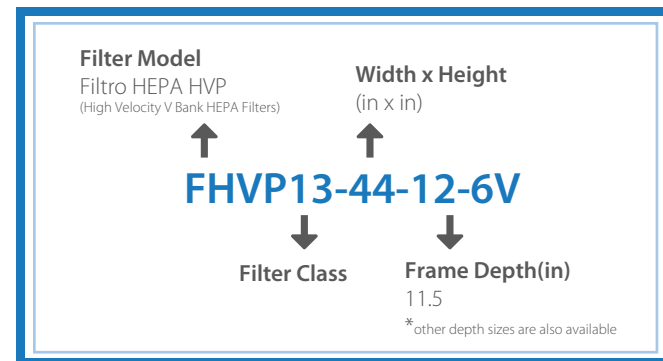
Airflow vs Initial Resistance

— 6V H13/99.99% — 4V H13/99.99% — 5V H13/99.99%



Available upon request GI frame (Filtro HEPA HV)

Model Details Breakdown



Frame	Plastic
Media	Glass fiber
Separator	Hotmelt
Sealant	Polyurethane
Max.operating temp.	80 °C /176°F
Nominal Air velocity	3.2 m/s
Final pressure drop	750 Pa / 3" WG
Efficiency standard	EN 1822 / IEST-RP-CC001

Our Group Companies and Global Network

