

Main Features:

1. Compact structure.
2. V-Shape design have more media area.
3. High airflow and efficiency.
4. Space saving design concept
5. Leak Test for all the filters.

Introducing:

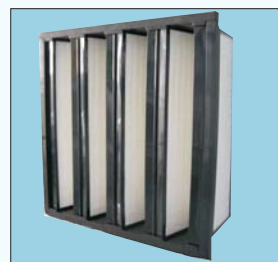
V-Bank HEPA filters are available in efficiency ranges :
 95%@MPPS to 99.995%@MPPS (H11~H14)
 according to EN1822 testing standard . They
 are designed as a V shape filter,that made the
 filters have more media area.This construction
 can meet high airflow rate condition with high-
 er efficiency.

Construction:

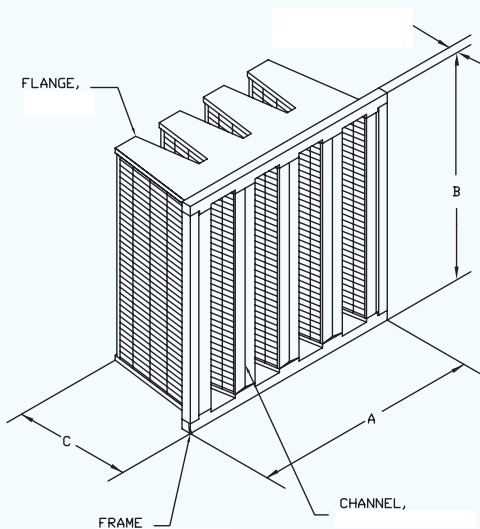
V-Bank HEPA filters use a diameter of 0.1um~
 5um super fine Glass fibre for media , that en-
 sure the filters has lower pressure drop , more
 dust holding and longer service life ; The fine
 fiberglass media pleated to some media packs,
 then several media packs and frame form a “V”

shape filter .The number of the “V” shape deter-
 mines the filter’s media area so that it influence
 on filter service life and pressure drop.

V-Bank HEPA filters usually use ABS for filter
 frame , that was easy to disposed by incinera-
 tion. Galvanized sheet,Stainless steel are avail-
 able. All kinds of frames can meet the needs of
 different situlation :



Plastic frame type



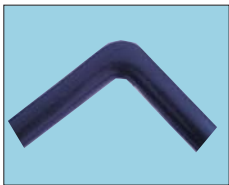
Plastic frame type V-Bank HEPA filters usually
 be used in high-volume airflow facilities for final
 filter . ABS frame made the filter so light that
 was easy to take and install .Compact structure
 allow the filter have more media area and long-
 er service life . Water-resistance glass fibre
 media protect the filter normal use in humid en-
 vironment . Both sides painted expanded metal
 faceguard protect the filter media won't be des-
 troy during the installation process.



Flat box type

Flat box type V-Bank HEPA filters are used for high airflow air-condition system . Flat box design made the filters have more media area than other types . Metal frame made the filter especially strong and can withstand strong impact .Whole the filter use professional polyurethane adhesive to reinforce frame without rivet, which can protect the filter install into the frame better.

V-Bank HEPA filter usually use polyurethane continuous gasket to seal the filter and the installation frame . This gasket is made by injection molding machine , so it is Integrally and no seams . It have greater opportunity to avoid leakage.



Continuous gasket



Dove tailed gasket

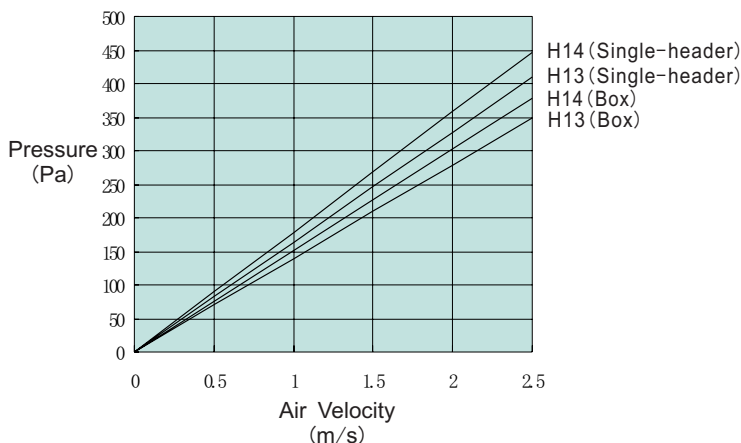
Separator HEPA filters use the professional polyurethane adhesive for sealant to increase strength and avoid leakage . High quality of liquidity can ensure the pleats of the media enter into the adhesive completely , that the filter can avoid leakage.

Operating Conditions

- ※ Temperature: $\leq 70^{\circ}\text{C}$
- ※ Humidity: $\leq 100\%RH$

Option:

- 1.Galvanized sheet, Stainless steel , Aluminum sheet frame are available
- 2.Different styles are available
- 3.Low boron media is available
- 4.Dove tailed CR, EPDM, EVA gasket are available.
- 5.Aluminum mesh, Painted Expanded Metal face guard on are available.
- 6.EN1822 Test for all the filters are available.



Technical Parameters

Plastic Frame V-Bank HEPA filter

WxHxD (mm)	Area (m ²)	Efficiency	Airflow (CMH)	Initial Pressure (Pa)	Airflow (CMH)	Initial Pressure (Pa)※
592x287x292	8.01	H13	1000	250	1700	330
		H14		280		350
592x492x292	14.79	H13	1600	250	2700	330
		H14		280		350
592x592x292	18.13	H13	2000	250	3400	330
		H14		280		350

Flat box type V-Bank HEPA filter

WxHxD (mm)	Area (m ²)	Efficiency	Airflow (CMH)	Initial Pressure (Pa)	Airflow (CMH)	Initial Pressure (Pa)※
305x610x292	10.4	H13	1000	210	1700	280
		H14		230		310
610x610x292	20.81	H13	2000	230	3400	280
		H14		250		310

※ Recommended final pressure: 600Pa

※ Pressure range 15%

※ Above parameters for your reference only, please consult our technical person regarding the detailed specific parameters difference.

※ Different size and specification are available.