

UL Classified



Main Features:

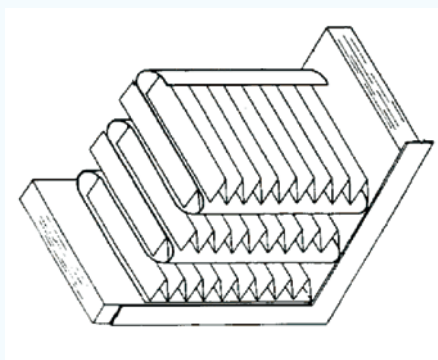
1. Meet high airflow conditions.
2. A variety of structure can satisfy various installation requirements.
3. Steady structure and easy to install.
4. Leak Test for all the filters.
5. UL Classified.

Introducing:

Separator 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 box type filter,that made the filters have a rigid construction . The rigid construction can meet high airflow rate condition.

Construction:

Separator HEPA filters use a diameter of 0.1~5um super fine Glass fibre for media, that ensure the filters has lower pressure drop, more dust holding and longer service life ; The fine fiberglass media formed into closely-spaced pleats held apart by corrugated aluminum separators to ensure uniform airflow throughout the media pack.



Also the materials pleated to media packs with the corrugated aluminum separators can withstand maximum wind speeds of 3m without damage.

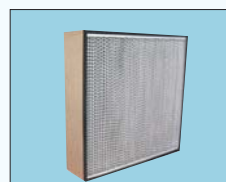
Separator HEPA filters usually use galvanized steel for frame , and aluminum ,stainless steel are available. All kinds of frames can meet the needs of different situation :



Flat box type

Flat box type Separator HEPA filter is used for HEPA Box and other clean equipments . All around of the frame is flat , so that the filter have the maximum media area . Also the flat frame can avoid scratch during the installation.

Wood Frame Separator HEPA filters use MDF Board for frame .It used for sea salt erosion environment to protect filter non-corroding . Also the filter was easy to burned completely.

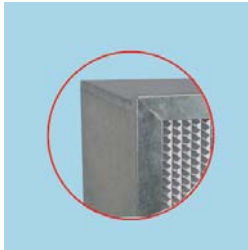


MDF Board Frame



Out folding type

Out folding type Separator HEPA filter is use for air conditioning system .Out folding design to be of benefit increasing strength. Also it made the filter easy to transportation and installation without damage. The construction of out folding type can divide into all out turn type and part out turn type.



Single header type



Double header type

Single & Double header type Separator HEPA filter is use for air conditioning system . The header of filter is used for fixed. The installation of Single header type usually on air inlet , and the double header type usually on air side direction.

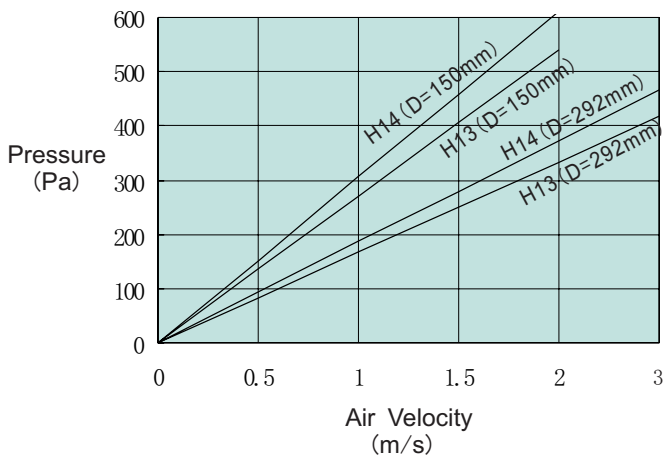
The Separator HEPA filter use the professional polyurethane adhesive for sealant to increase strength and avoid leakage . High quality of liquidity can ensure the pleats of the media enter into the adhesive completely, that the filter can avoid leakage.

Operating Conditions

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

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 upstream or downstream are available.
- 6, EN1822 Test for all the filters are available.



Technical Parameters

Flat box type Separator HEPA filter

WxHxD (mm)	Efficiency	Area (m ²)	Airflow (CMH)	Initial Pressure (Pa)	Area (m ²)	Airflow (CMH)	Initial Pressure (Pa)※
305x610x292	H11	8.63	1000	195	11.34	1700	255
	H13			245			275
	H14			275			295
610x610x292	H11	16.13	2000	195	23.26	3400	255
	H13			245			275
	H14			275			295
915x610x292	H11	23.63	3000	195	35.17	5000	255
	H13			245			275
	H14			275			295
1220x610x292	H11	31.38	4000	195	46.8	6660	255
	H13			245			275
	H14			275			295
305x610x150	H11	3.88	500	165	5.11	1000	235
	H13			225			255
	H14			255			275
610x610x150	H11	7.25	1000	165	10.49	2000	235
	H13			225			255
	H14			255			275
915x610x150	H11	10.63	1500	165	15.86	3000	235
	H13			225			255
	H14			255			275
1220x610x150	H11	14.13	2000	165	21.11	4000	235
	H13			225			255
	H14			255			275

Double turn type Separator HEPA filter

WxHxD (mm)	Efficiency	Area (m ²)	Airflow (CMH)	Initial Pressure (Pa)	Area (m ²)	Airflow (CMH)	Initial Pressure (Pa)※
305x610x292	H11	7.24	1000	200	11.34	1700	260
	H13			250			280
	H14			280			300
610x610x292	H11	14.21	2000	200	23.26	3400	260
	H13			250			280
	H14			280			300
915x610x292	H11	21.18	3000	200	35.17	5000	260
	H13			250			280
	H14			280			300
1220x610x292	H11	28.44	4000	200	46.8	6660	260
	H13			250			280
	H14			280			300
305x610x150	H11	3.28	500	170	5.11	1000	240
	H13			230			260
	H14			260			280
610x610x150	H11	6.42	1000	170	10.49	2000	240
	H13			230			260
	H14			260			280
915x610x150	H11	9.57	1500	170	15.86	3000	240
	H13			230			260
	H14			260			280
1220x610x150	H11	12.85	2000	170	21.11	4000	240
	H13			230			260
	H14			260			280

Single & Double header type Separator HEPA filter

WxHxD (mm)	Efficiency	Area (m ²)	Airflow (CMH)	Initial Pressure (Pa)	Area (m ²)	Airflow (CMH)	Initial Pressure (Pa)※
287x592x292	H11	8.63	1000	195	11.34	1700	260
	H13			245			280
	H14			275			300
592x592x292	H11	16.13	2000	195	23.26	3400	260
	H13			245			280
	H14			275			300
287x592x150	H11	3.88	500	165	5.11	1000	240
	H13			225			260
	H14			255			280
592x592x150	H11	7.25	1000	165	10.49	2000	240
	H13			225			260
	H14			255			280

※ 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.