

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. UL Classified.

### Introducing:

Separator ASHRAE filters are available in the efficiency ranges :  
 MERV9~MERV14 according to ASHRAE 52.2 testing standard ; F5~F9 according to EN779 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 ASHRAE filters use Glass fibre for media . The fine fiberglass media formed into closely-spaced pleats held apart by corrugated aluminum separators to ensure uniform airflow throughout the media pack . Flanging structure used on the aluminum separators to avoid the sharp-edged cut the fiberglass media and the palm when you touch the separator.

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

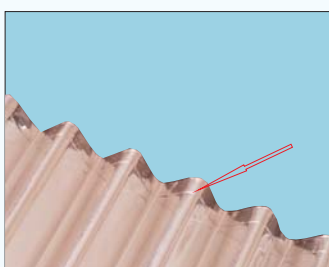
Separator ASHRAE filters usually use galvanized steel for frame, and aluminum, stainless steel are available. All kinds of frames can meet the needs of different situation :



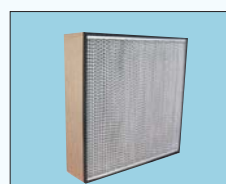
Flat box type

Flat box type separator ASHRAE filter is used for Air-Condition Systems . All around of the frame is flat, so that the filter have the maximum media area . Besides that , the flat frame can avoid scratch during the installation.

Wood frame separator ASHRAE filter 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.



Flanging structure



MDF Board Frame



Out folding type

Out folding type Separator ASHRAE filters are used 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.



Glass fiber mat

Separator ASHRAE filters use glass fiber mat for sealant to instead of the polyurethane adhesive can be used in some high temperature environment .Especially,the filter do not contain organosilicone, so it usually use in automotive spraying industry .

### 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, ASHRAE 52.2 Test for all the filters are available.

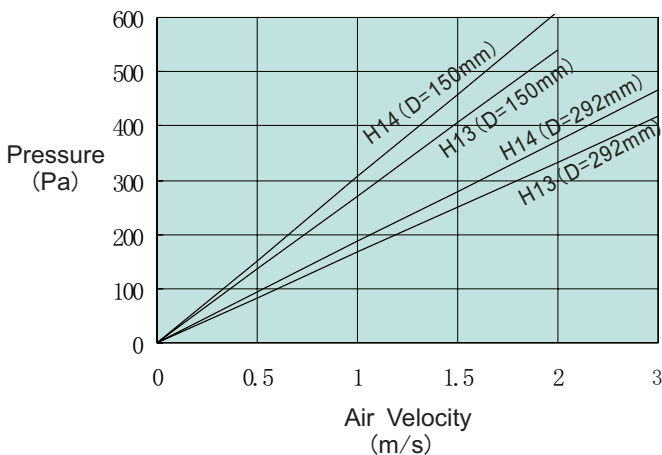


Single header type



Double header type

Single&Double header type Separator filter is used 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.



# Technical Parameters

## Flat box type Separator HEPA filter

WxHxD (mm)	Efficiency	Area (m <sup>2</sup> )	Airflow (CMH)	Initial Pressure (Pa)	Airflow (CMH)	Initial Pressure (Pa)※
305x610x292	F6	8.04	1000	70	1700	115
	F7			85		140
	F8			100		165
610x610x292	F6	15.4	2000	70	3400	115
	F7			85		140
	F8			100		165

## Double turn type Separator HEPA filter

WxHxD (mm)	Efficiency	Area (m <sup>2</sup> )	Airflow (CMH)	Initial Pressure (Pa)	Airflow (CMH)	Initial Pressure (Pa)※
305x610x292	F6	6.69	1000	75	1700	125
	F7			90		150
	F8			105		175
610x610x292	F6	13.66	2000	75	3400	125
	F7			90		150
	F8			105		175

## Single & Double header type Separator HEPA filter

WxHxD (mm)	Efficiency	Area (m <sup>2</sup> )	Airflow (CMH)	Initial Pressure (Pa)	Airflow (CMH)	Initial Pressure (Pa)※
289x593x292	F6	6.2	1000	82	1700	135
	F7			100		165
	F8			115		195
593x593x292	F6	12.97	2000	82	3400	135
	F7			100		165
	F8			115		195

※ 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.