

Mini-pleat HEPA filter & ULPA filter



- High efficiency (majorly for the capture of particles $\geq 0.3 \mu\text{m}$)
- Thin and slim (minimum thickness 25mm)
- Low resistance
- Light-weight design



Application

Commercial and industrial ventilation systems, intermediate or end of the filter of air conditioning systems.

- ① Clean room fresh air conditioning system, end filter of clean room air inlet.
- ② Main air filtration of FFU air cleaning equipment.
- ③ Widely used in electronics, optics, semiconductors painting, chemical, cosmetics, pharmacy, hospitals, automobile industries etc.
- ④ End filter of commercial and household air purifiers.

Technical Parameters

Filtration Class:

H10、H11、H12、H13、H14、U15、U16、U17(EN779)

Arrestance Efficiency:

99%、99.9%、99.99%、99.999%、99.9999%、99.99999%(ASHRAE52.1-1992)

Resistance to temperature:

$\leq 80^\circ\text{C}$

Porosity:

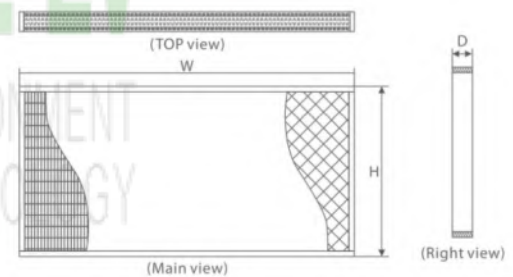
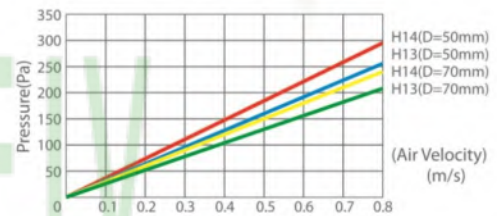
$\geq 0.5 \mu\text{m}$ 、 $\geq 0.3 \mu\text{m}$ 、 $\geq 0.1 \mu\text{m}$

Humidity:

$\leq 100\%RH$

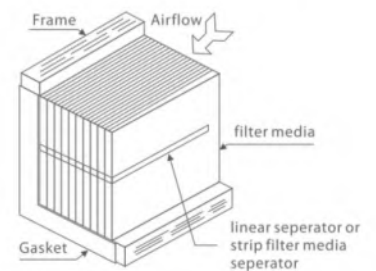
Instantaneous temperature resistance:

$\leq 100^\circ\text{C}$



Material & Features

- Protective mesh: Diamond metal paint sprayed.
- Sealant: foamed EVA.
- sealant glue : AB component glue.
- Separator: hot melt adhesive.
- Filter material: ultra-thin glass fiber filter paper, artificial fiber filter paper.
- Features: small size, large filtration area, low resistance high efficiency.
- Outer frame: aluminum alloy frame, galvanized steel frame, stainless steel frame, paper frame.



Structure diagram

Technical Specification

Dimensions			Rated air flow (m^3/h)	Initial pressure drop (Pa)			Filtration efficiency (%)
W(mm)	H(mm)	D(mm)		0.25m/s	0.5m/s	0.75m/s	
305	305	69	250	≤ 120	≤ 220	≤ 240	99%
305	610	69	500				99.9%
610	610	69	1000				99.99%
915	610	69	1500				99.999%
1170	570	69	1800				99.9999%
99.99999%							

Remarks: other specification to be customized, usual thickness can be 35mm/50mm/80mm/96mm