

Indoor Replaceable Filter Housing

	Particle Size	Efficiency (%)
Testing Method	0.3um	95%
		99.97%
		99.99%
		99.999%
	0.1-0.2um	99.999% above
By European Standard EN1822		

Feature:

AIRREX develops latest HEPA housing made by anodized extruded aluminum to substitute traditional heavy and expensive metallic surface trim housing. It can reduce user's operation cost. HEPA housings are for ceiling grid at clean room use or T grid use. Filter can be easily to replace or install at clean room. Base on classes of clean room to choose HEPA or ULPA filters Compare with module type HEPA filters, end user is not necessary to replace entire box, but only need to replace new HEPA/ULPA; investment cost could be reduced a lot.

Efficiency:

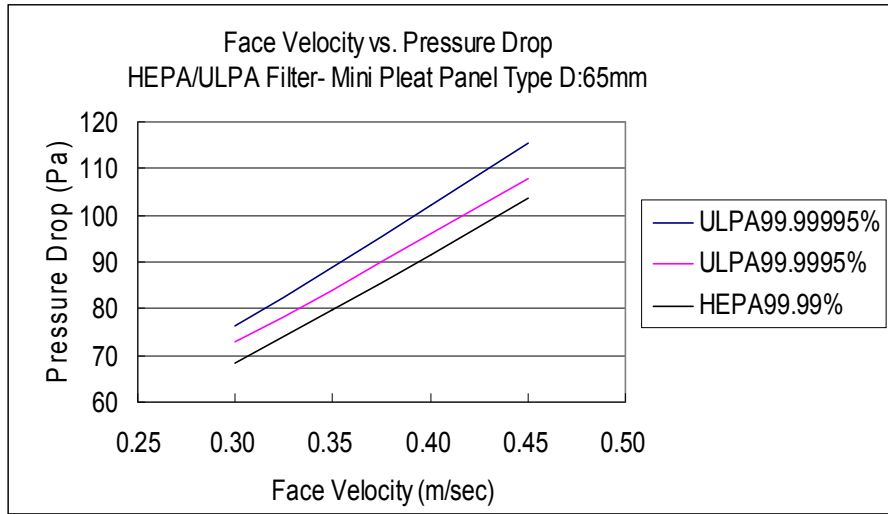
According to European Standard EN1822, by testing the particle concentration of upstream & downstream area, efficiency is from 99.99% to 99.999% @0.3 micron (H13-14) size particles HEPA filter; and 99.999% - 99.999999% @ 0.1-0.2 micron (U15-U17) size particles ULPA filter.

Media:

HEPA media is made from ultra fine glass fiber formed with high density papers. Each pleat is spaced by hot-melt adhesive to allow air flow through the filter with minimum resistance.

Housing Material:

Anodized Extruded Aluminum. Inlet size is available for 8”-14”. Total Height is 150 mm excluding of the height of Inlet. Height of Inlet is 80mm. Material of upper casing is 1.0mm thickness Painted Steel.



Performance Data – Indoor Replaceable Filter Housing (HEPA/ULPA)

Efficiency (%)	Housing Size (W*H*D) (mm)	Filter Size (W*H*D) (mm)	Rated Capacity (CMH)	Initial Resistance (Pa)	Particle size (um)
99.97 99.99	570*570*150	528*528*80	350	100	0.3
	600*600*150	558*558*80		88	
	570*1170*150	528*1128*80	800	101	
	600*1210*150	558*1168*80		91	
99.9995 (5N5)	570*570*150	528*528*80	350	104	0.1~0.2
	600*600*150	558*558*80		92	
	570*1170*150	528*1128*80	800	104	
	600*1210*150	558*1168*80		96	

*Special Sizes are available upon request

Material and Service Conditions

Type		Description			
Construction	Media	Ultra-Fine Glass Fiber Filter Paper			
	Support Grid	Hot Melt Adhesive			
	Sealant	PU BASE			
	Gasket Material	Neoprene Rubber			
	Gasket Location	None	Upstream	Downstream	Both Sides
	Housing Type	Gasket Type			
	Housing Material	Anodized Extruded Aluminum			
	Face Guard Material	Expanded Painted Steel Metal		Anodized Extruded Aluminum Metal	
	Face Guard Location	None	Upstream	Downstream	Both Sides
	Inlet Size (inch)	8	10	12	14
	Inlet Height (mm)	80			
	Insulation Material	PE			
	Insulation Thickness (mm)	None	10	25	
	Service Conditions	The maximum continuous use temperature	°C	60	
Instant Highest Humidity		% RH	100 (No condensation state)		



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