



室內可更換型濾網箱組

Room Side Replacement Filter Housing (HEPA/ULPA)

Testing Method 測試方法	Particle Size 粒徑	Efficiency (%) 效率
	0.3um	95%
		99.97%
		99.99%
		99.999%
	0.1-0.2um	99.999% above
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:

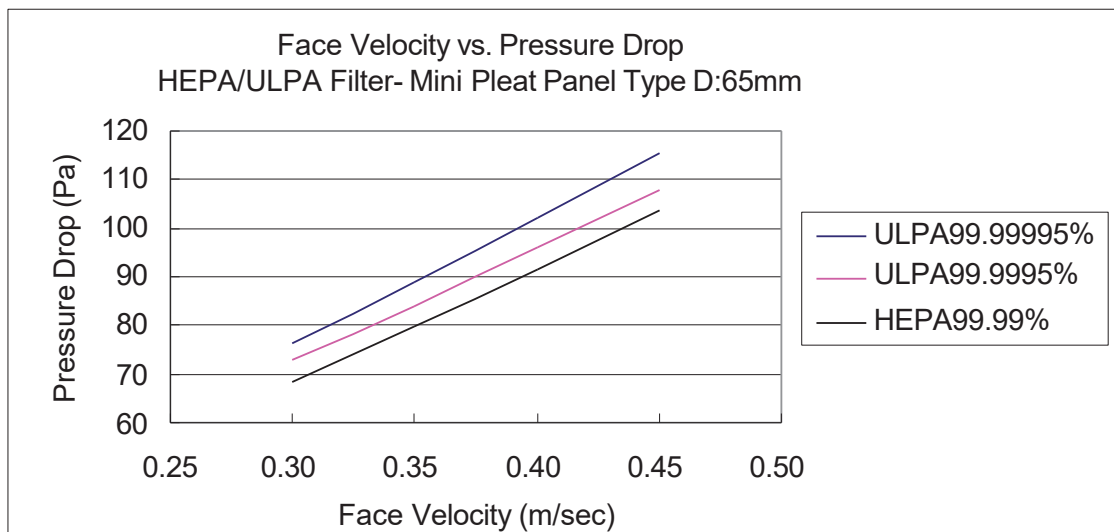
HEPA media is made from ultra fine glass fiber formed with high density papers. Each pleat is spaced by hot-melt adhesive to allow air flow through the filter with minimum resistance.

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.



- 特色：**室內可更換型箱組設計用於無塵室乾式天花板骨架或濕式天花板骨架系統。於室內更換濾網，安裝簡便。濾網可依客戶需要彈性設計，可選擇摺紙厚度、濾材效率、風量及入風口尺寸，無塵室設計者能配置使用量以執行符合規格及運轉成本。
- 效率：**依歐規EN1822標準測試，即測試濾網之上風處與下風處粒子濃度，HEPA級效率從95~99.999%通過0.3um，ULPA級效率從99.999~99.999995%通過0.1~0.2um。
- 濾材：**濾材由超細玻璃纖維經摺疊組裝入框架內，濾紙經由熱熔膠間隔，不會釋出化學性污染到無塵室，使空氣以最低的壓損通過濾網。
- 外框：**材質為陽極處理鋁擠型，上蓋材質為1.0mm厚鐵烤漆，箱體高度150mm(不含入風口高度)，入風口高度尺寸80mm。





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

室內可更換型濾網箱組性能表 - 高效率及超高效率濾網

Efficiency 效率 (%)	Housing Size 箱體尺寸 (W*H*D) (mm)	Filter Size 濾網尺寸 (W*H*D) (mm)	Rated Capacity 額定風量 (CMH)	Initial Resistance 初壓損 (Pa)	Particle size粒 徑 (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.

※特殊規格可生產製造。



Material and Service Conditions

材質、使用條件

Type 型式		Description 說明			
Construction 總成	Media 濾材	Ultra-Fine Glass Fiber Filter Paper 超細玻璃纖維濾紙			
	Support Grid 支撐材	Hot Melt Adhesive 熱熔膠			
	Sealant 密封膠	PU BASE			
	Gasket Material 墊片材質	Neoprene Rubber 新平橡膠			
	Gasket Location 墊片位置	None 無	Upstream 上風	Downstream 下風	Both Sides兩側
	Housing Type 外框類型	Gasket Type乾式			
	Housing Material 外框材質	Anodized Extruded Aluminum 鋁框陽極處理			
	Face Guard Material 保護網材質	Expanded Painted Steel Metal 擴張烤漆鐵網		Anodized Extruded Aluminum Metal 擴張陽極處理鋁網	
	Face Guard Location 保護網位置	None 無	Upstream 上風	Downstream 下風	Both Sides兩側
	Inlet Size 入風口尺寸 (inch)	8	10	12	14
	Inlet Height 入風口高度 (mm)	80			
	Insulation Material 保溫材質	PE			
	Insulation Thickness 保溫厚度 (mm)	None 無	10	25	
Service Conditions 使用條件	The maximum continuous use temperature 連續使用最高溫度	°C	60		
	Instant Highest Humidity 使用瞬間最高濕度	% RH	100 (No condensation state) 100 (無結露狀態下)		



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