

无尘室滤网 Clean Room Special Purpose Air Filter

室内可更换型滤网箱组 (AR601)

新型高效率滤网箱体，箱体材质系以阳极处理铝挤型，取代传统型既贵且重的板金箱体，降低成本，以供应业界使用。适用于无尘室 Ceiling Grid、库板型或轻钢架天花板系统滤网。于室内更换滤网，安装简便，此滤网箱只须更换箱体內的滤网，更换成本较低。依无尘室等级，可选择HEPA或ULPA等滤网。入风口有10~14吋可選用。

Indoor Replaceable Filter Housing (Cat. #AR 601)

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.



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Indoor Replaceable Filter Housing

	粒径 Particle Size	效率 Efficiency (%)
测试方法 Testing Method	0.3um	95%
		99.97%
		99.99%
	0.1-0.2um	99.999%
	依欧规EN1822标准 By European Standard EN1822	

- **特色：**终端抛弃型箱组设计用于无尘室干式天花板骨架或湿式天花板骨架系统。于室内更换滤网，安装简便。滤网可依客户需要弹性设计，可选择折纸厚度、滤材效率、风量及入风口尺寸，无尘室设计者能配置使用量以执行符合规格及运转成本。依无尘室等级，可选用HEPA或ULPA等滤网。
- **效率：**依欧规EN1822标准测试，即测试滤网之上风处与下风处粒子浓度，HEPA级效率从95~99.999%通过0.3um，ULPA级效率从99.999~99.999995%通过0.1~0.2um。
- **滤材：**滤材由超细玻璃纤维经折叠组装入框架内，滤纸经由热熔胶间隔，不会释出化学性污染到无尘室，使空气以最低的压损通过滤网。
- **箱体：**材质为阳极处理铝挤型，上盖材质为1.0mm厚铁烤漆，箱体高度150mm(不含入风口高度)，入风口高度尺寸80mm。

• 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 hotmelt adhesive to allow air flow through the filter with minimum resistance.

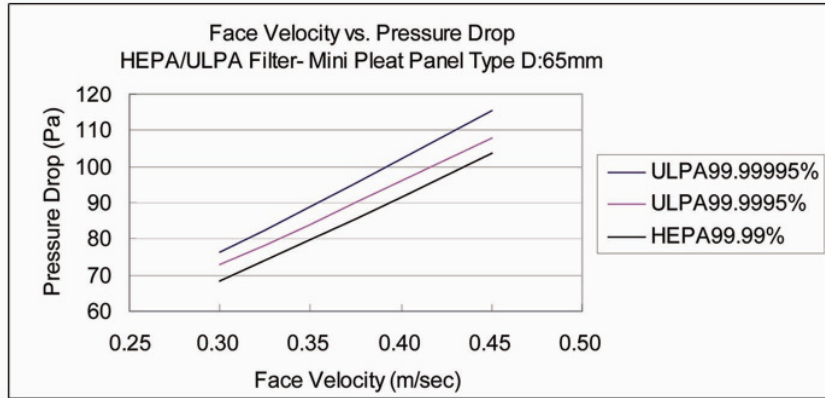
• Housing Material:

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.



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风量关系曲线图



室内可更换型滤网箱组性能表 Performance Data

效率 Efficiency (%)	箱体尺寸 Housing Size (W*H*D) (inch)	滤网尺寸 Filter Size (W*H*D) (mm)	额定风量 Rated Capacity (CMH)	初压损 Initial Resistance (Pa)	粒径 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.

※特殊规格可生产制造。

材质和使用条件 Material and Service Conditions

型式 Type		说明 Description			
总成 Construction	滤材 Filter Media	超细玻璃纤维滤纸 Ultra-Fine Glass Fiber Filter Paper			
	支撑材 Support Grid	热熔胶 Hot Melt Adhesive			
	密封胶 Sealant	PU BASE			
	垫片材质 Gasket Material	新平橡胶 Neoprene Rubber			
	垫片位置 Gasket Location	无 None	上风 Upstream	下风 Downstream	两侧 Both Sides
	外框类型 Housing Type	干式 Gasket Type			
	外框材质 Housing Material	铝框阳极处理 Anodized Extruded Aluminum			
	保护网材质 Face Guard Material	扩张烤漆铁网 Expanded Painted Steel Metal	扩张阳极处理铝网 Anodized Extruded Aluminum Metal		
	保护网位置 Face Guard Location	无 None	上风 Upstream	下风 Downstream	两侧 Both Sides
	入风口尺寸 Inlet Size (inch)	8	10	12	14
	入风口高度 Inlet Height (mm)	80			
	保温材质 Insulation Material	PE			
保温厚度 Insulation Thickness (mm)	无 None	10	25		
使用条件 Service Conditions	连续使用最高温度 The maximum continuous use temperature	℃	60		
	使用瞬间最高湿度 Instant Highest Humidity	% RH	100 (无结露状态下) 100 (No condensation state)		