

无尘室滤网 Clean Room Special Purpose Air Filter

终端抛弃型滤网箱组 (AR 602)

终端抛弃型滤网箱组适用于洁净室风管系统，可依设计使用于洁净度 Class1到100K之环境。提供效率依MIL-STD-282 0.3 μ m 99.97%，99.99%及99.999%（或依EN1822 MPPS H10 - H14）HEPA与0.1 - 0.2 μ m 99.999% - 99.999999%(或依EN1822 MPPS U15 - U16) ULPA。箱体材质为阳极处理铝挤型。入风口有10~14吋可选用。

Terminal (Module) Filter (Cat. #AR 602)

Terminal Filter Modules can be used in RCU system. Typical applications include Clean Room Class 1 to 100K. All HEPA filter efficiency is tested in accordance with US MIL-STD-282 (EU Standard) and EN1822. The series provide guarantee efficiency from 99.97%, 99.99% to 99.999% (EU12-EU14) or H10-H14 (per EN-1822 standard in MPPS Test) on 0.3 micrometer size particles HEPA filter; and 99.999% to 99.999999% or U15-U16 (per EN-1822 standard in MPPS Test) ULPA filter.

Frame is made by anodized extruded aluminum.
Inlet size is available for 8"-14".



Cat.No: AR602

终端抛弃型滤网箱组

Terminal Filter Modules (Mini Pleat Series)

测试方法 Testing Method	粒径 Particle Size	效率 Efficiency (%)
	0.3 μ m	95%
		99.97%
		99.99%
		99.999%
	0.1-0.2 μ m	99.999% above
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。安装及维修既简单又平整。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。依据此型滤网使用于天花板之数量，空气之循环率和整体的无尘室设计，此层流滤网能提供洁净标准从洁净度1到100,000。
- **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0.3 μ m，ULPA级效率从99.999~99.999995%通过0.1~0.2 μ m。
- **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。
- **箱组：**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130mm(不含入风口高度)，入风口高度尺寸80mm。

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• Feature: High Quality Construction in a Highly Versatile Design.

Terminal Filter Modules are designed for standard T- bar ceiling grids or Gel seal ceiling grid system use. It's easy and simple to install and maintain these thin and lightweight units.

The module can be flexibly designed to meet customer spec's demand. By selecting among pack depth, media efficiency, air capacity and inlet size, the clean room designer can configure the unit to meet spec requirements and operating cost.

Depending on the number of units used in the ceiling, the rate of air recirculation and clean room overall design, Airrex Terminal Filter Modules is able to provide cleanliness levels from Class 1 to Class 100,000.

• The unique Benefits:

- ※ To eliminate the concern of air blockage is better than Deep Pleat Type Air Filter.
- ※ With Anticorrosive and Anodized Extruded Aluminum Housing Construction.
- ※ Four (4) suspending holes to provide seismic protection and reduce the stress load of grid.
- ※ Dimpled inlet collars help to secure the HVAC ductwork and prevent slippage.
- ※ 100% quality control- every unit is tested and certified to meet efficiency and pressure drop requirements.

• Factory Testing

Airrex tests all terminal filter modules to be in accordance with the International Environmental Science recommended particles standard. Test result including of penetration value (%) and pressure drop (inch/w.g.) will be recorded on filter label and carton label.

• Capacity vs Pressure Drop

The EN 1822 Test Machine examines each filter's Capacity vs. Pressure Drop. Capacity test is according to volumetric parameters, i. e., 100 CFM per square foot of filter face area, which is an expression of the volume of air moving through the filter.

• Scan Test

In addition to the efficiency test and penetration test, by using a laser particle counter to scan each filter surface and edge to examine any pinhole leakage. Readings greater than 0.01% of the upstream concentration are determined as unacceptable; the filter must be rejected or repaired and retested.

• 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:

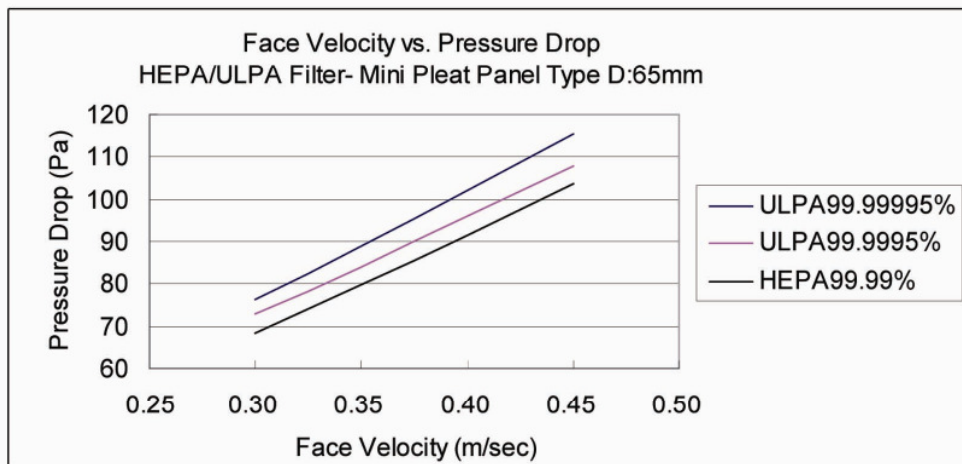
Media is made from ultra fine glass fiber formed with high density papers. Each pleat is spaced by hot-melt adhesive to allow air flow through the filter with minimum resistance.

• Housing Material:

Anodized Extruded Aluminum construction. 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



终端抛弃型滤网箱组性能表 Performance Data

效率 Efficiency (%)	通称尺寸 Nominal Size (W*H*D) (inch)	实际尺寸 Actual 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	24*24	570*570*140	450	103	0.3
		600*600*140		92	
	24*48	570*1170*140	900	97	
		600*1210*140		87	
99.9995 (5N5)	24*24	570*570*140	450	108	0.1~0.2
		600*600*140		96	
	24*48	570*1170*140	900	101	
		600*1210*140		93	

* 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 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		下风 Downstream	
	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		下风 Downstream			
	入风口尺寸 Inlet Size(inch)		8	10	12	14
	入风口高度 Inlet Height(mm)		70			
	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）			