

高效率滤网 High Efficiency Air Filter

高效率滤网 - V型 (HEPA/ULPA) (AR303)

滤材为疏水性超细玻璃纤维，连续性折滤材以热熔胶为间隔，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% - 99.99999%（或依EN-1822 MPPS U15 - U16）ULPA。外框材质为金属框之箱型或法兰型。具高风量、低压损特性，比隔板式滤网可有多90%以上过滤面积，用于取代传统隔板型高风量滤网延长滤网使用寿命。

High Efficiency Particulate Air Filter – Mini Pleat V Type (HEPA/ULPA) (Cat. #AR 303)

HEPA media is made from glass microfiber. It is water resistant and can withstand temperature up to 350 °C. Use hot melting glue to replace traditional aluminum separators.

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 99.99999% or U15-U16 (per EN-1822 standard in MPPS Test) ULPA filter.

The frame is available for Metal Frame (Galvanized Steel) in box type or header type. It contains more media (up to 90%) than standard deep pleat type HEPA filters. With high capacity, low pressure drop & longer service life advantages, can be used to replace the traditional aluminum separators filters.



高效率滤网 - V型 (HEPA/ULPA)

High Efficiency Particulate Air Filter (HEPA/ULPA) - Mini Pleat V Type



AIRREX

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

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- **特色**：V型设计具有多数的迷你折数滤材，比传统型的滤网多90%的滤材面积，大的过滤面积可处理较大的风量与较低压损和较长的使用寿命。
- **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99.999~99.999999%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。
- **外框**：框材可选用镀锌铁框、铝框或不锈钢框。可选择箱型、单法兰和双法兰。滤网两侧可提供加装金属护网。

• Features:

- *More Effective Media Area
- *High Capacity
- *Low Resistance
- *Long Life Span

AIRREX V-HEPA or V-ULPA filter is assembled by multiple mini-pleat packs formed into six to eight pieces of V type pleat. It contains more media (up to 90%) than standard W- HEPA filter, can easily remove air contamination such as fine dust, smoke, vapor, soot, pollen, bacteria and etc. The effective media area results in greater flow capacity, lower resistance, and longer life span. With high capacity, low pressure drop & longer life span advantages, can be used to replace the traditional aluminum separators filters.

• Efficiency:

All HEPA filter efficiency is tested in accordance with US MIL-STD-282 (EU Standard) and EN1822. By measuring the upstream & downstream particle concentration, the series provide guarantee efficiency from 95%, 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.

• Media:

V-HEPA media is made from glass microfiber. It is water resistant and can withstand temperature up to 350 ° C. Use hot melting glue to replace traditional aluminum separators.

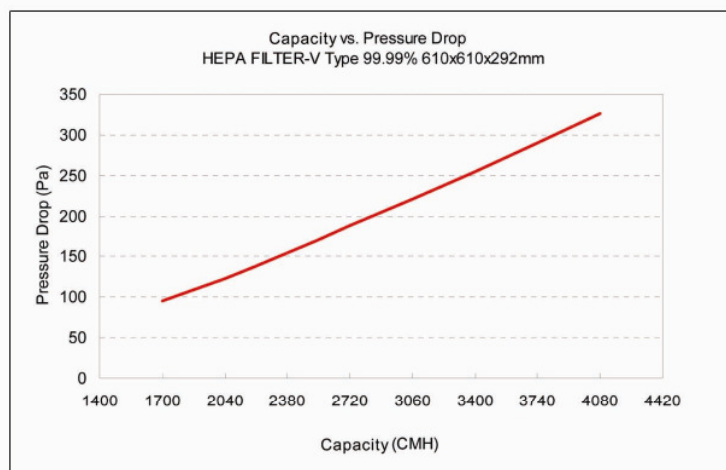
The V-HEPA media is manufacture from glass microfiber. It is water resistance and can withstand temperature up to 350?. The filter media is folded into mini-pleats and spaced by hot melting glue to ensure a best pleating geometry. Each media pack and frame end is completely sealed by fire-retardant epoxy, polyurethane foam or silicon sealant to ensure leakage free in a clean room.

• Frame:

The frame is available for Metal Frame (Galvanized Steel, Aluminum, Particleboard and Stainless Steel) in Box Type or Header type.

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风量关系曲线图



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	
	支撑材 Support Grid	波浪隔板 Corrugated Aluminum Separator	
	密封胶 Sealant	PU BASE	
	垫片材质 Gasket Material	新平橡胶 Neoprene Rubber	
	外框材质 Frame Material	金属框 Metal Frame	
	外框型式 Frame Type	箱型 Box Type	单法兰 Single Header
使用条件 Service Conditions	连续使用最高温度 The maximum continuous use temperature	°C	60
	使用瞬间最高湿度 Instant Highest Humidity	% RH	100 (无结露状态下) 100 (No condensation state)



专营空气滤网及无尘室设备服务

Services of Filters for Cleanroom and HVAC System

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高效率滤网性能表 High Efficiency Filter 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)	压力损失 Pressure Drop (Pa)	
				初压损 Initial Resistance	末压损 Final Resistance
99.97 99.99	12*24*12	287*592*292	1500	250	500
	24*24*12	592*592*292	3000		
	12*24*12	305*610*292	1700		
	24*24*12	610*610*292	3400		

* Special Sizes are available upon request.

※特殊规格可生产制造。