

高效率滤网 High Efficiency Air Filter

高效率滤网 - 平板型 (HEPA/ULPA) (AR302)

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% - 99.999999%（或依EN-1822 MPPS U15 - U16）ULPA。外框材质为阳极处理铝挤型。此滤网适用于无尘室、无尘工作站、无菌操作台及风车滤网组。

High Efficiency Particulate Air Filter – Mini Pleat Panel Type (HEPA/ULPA) (Cat. #AR 302)

HEPA media is made of ultra fine glass formed into a 0.38mm thick mat and is pleated to allow a larger surface area to be incorporated within the housing. 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 99.999999% or U15-U16 (per EN-1822 standard in MPPS Test) ULPA filter.

Aluminum extruded frame can increase strength and rigidity for corrosion resistance.

Mini Pleat series filter is suitable for clean room, workstations and benches FFU use.



Cat.No: AR302

高效率及超高效滤网 - 平板型 (HEPA/ULPA)

High Efficiency Particulate Air Filter (HEPA/ULPA) – Mini Pleat Panel Type

	粒径 Particle Size	效率 Efficiency (%)
测试方法 Testing Method	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		



高效率滤网 High Efficiency Air Filter

- **特色：**平板型滤网提供多种的配置适用于无尘室、无尘工作站、无菌操作台及风车滤网组等严格的洁净需求，迷你折数系列的滤网过滤之风量、初压损及集尘量效果较隔板型之HEPA滤网好很多，迷你折数设计意在延长滤网使用寿命及降低压损。因产业特性需求在耗材的选用上，本公司亦可提供低硼滤材，制造符合客户需求之终端滤网。
- **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99.999~99.999999%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，使空气以最低的压损通过滤网。
- **外框：**外框内侧四周以密封胶密封，防止滤材空隙及泄漏。铝挤外框经阳极处理增加强度及耐久的防腐性。以PU胶密封于铝挤型框架达到完全的气密无泄漏。

• Features:

- 1.No Corrugated Aluminum Separators
- 2.High Efficiency and Low Pressure Drop
- 3.Allow Great Amount of Media in Shallow Depth

The air flow, initial resistance and dust collection capacity of the Mini Pleat Series media w/55mm pack is much better than conventional HEPA filter which is made with corrugate aluminum separators and with a 150mm deep.

For handling large air volume, the operation cost becomes a prime consideration in a typical clean room application. One of the most important is to evaluate the Pressure Drop of HEPA due to Pressure losses of HEPA will be consumed the most energy in any clean room.

AIRREX Mini Pleat HEPA/ULPA Filter is designed for extending filter's life span and decreasing the pressure drop. Mini Pleat series filter is suitable for clean room, workstations and benches FFU use.

• Efficiency:

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) on 0.1 – 0.2 micrometer size particles ULPA filters.

• Media:

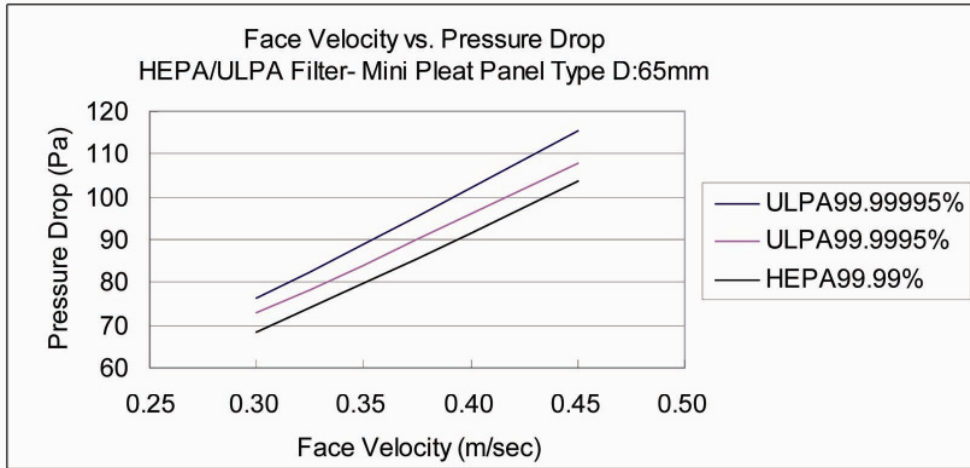
HEPA media is made from ultra fine glass fiber formed with high density papers. Use hot melting glue to replace traditional aluminum separators. Each pleat is spaced by hot-melt adhesive to allow air flow through the filter with minimum resistance. Inside of frame to be sealed by sealant to prevent filter media leakage.

• Frame:

The filter media pack is permanently bonded with epoxy or PU to an anodized aluminum extruded frame or wood board frame. Aluminum extruded frame can increase strength and rigidity for corrosion resistance.

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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 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 Frame Type	干式 Gasket Type		湿式 Jel Type	
	外框材质 Frame 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 Galvanized Metal		扩张阳极处理铝网 Anodized Extruded Aluminum	
	保护网位置 Face Guard Location	无 None	上风 Upstream	下风 Downstream	两侧 Both Sides
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)		



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)	初压损 Initial Resistance (Pa)	
99.97 99.99	24*24*2	570*570*50	400	87	
		610*610*50		75	
	24*24*3	570*570*70	450	99	
		610*610*70		85	
	24*48*2	570*1170*50	800	82	
		610*1220*50		75	
	24*48*3	570*1170*70	900	93	
		610*1220*70		82	
	48*48*2	1170*1170*50	1800	88	
				1220*1220*50	81
		48*48*3	1170*1170*70	2000	97
			1220*1220*70		89
99.9995 (5N5)	24*24*2	570*570*50	400	91	
		610*610*50		79	
	24*24*3	570*570*70	450	103	
		610*610*70		89	
	24*48*2	570*1170*50	800	86	
		610*1220*50		79	
	24*48*3	570*1170*70	900	97	
		610*1220*70		86	
	48*48*2	1170*1170*50	1800	92	
		1220*1220*50		85	
	48*48*3	1170*1170*70	2000	101	
		1220*1220*70		93	
99.99995 (6N5)	24*24*2	570*570*50	400	97	
		610*610*50		83	
	24*24*3	570*570*70	450	109	
		610*610*70		97	
	24*48*2	570*1170*50	800	91	
		610*1220*50		81	
	24*48*3	570*1170*70	900	103	
		610*1220*70		92	
	48*48*2	1170*1170*50	1800	98	
		1220*1220*50		90	
	48*48*3	1170*1170*70	2000	109	
		1220*1220*70		100	

* Special Sizes are available upon request.

※特殊规格可生产制造。