高效率滤网 – Hi-Pack型 (HEPA/ULPA) (AR304)

HI-Pack型HEPA为AIRREX之新型高效率空气过滤网，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 0.3μm 99.97%，99.99%及99.999%（或依EN1822 MPPS H10 – H14）HEPA。外框材质可选用木框、金属框之箱型或法兰型。可代替传统隔板型高效过滤网，提供最大的有效过滤面积、寿命长、重量轻等，废弃物易处理更环保。

High Efficiency Particulate Air Filter – Hi-Pack Type (HEPA/ULPA) (Cat. #AR 304)

HI-Pack type HEPA/ULPA is a new design of Airrex Air Filters. Media is made of ultra-fine fiberglass and folded into larger area and fabricated into frame. Folded filter is separated by hot melt. The series provide guarantee efficiency from 99.97%, 99.99% to 99.999% (EU 12-EU14) or H10-H14 (per EN-1822 standard in MPPS Test) on 0.3 micrometer size particles HEPA filter. .

The frame is available for Wooden Frame (Fire-Retardant particle Board Frame) and Metal Frame (Galvanized Steel and Aluminum) in box type or header type. It can be used to replace the traditional aluminum separators filters to provide larger filtration area. Hi-Pack Type HEPA is able to provide the maximum effective media area. With the advantages of long life span, light weight, easy handling of rejection and environment friendly

Cat.No: AR304

高效率滤网 – HI-Pack型
High Efficiency Particulate Air Filter –HI-Pack Type

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

高效率滤网 High Efficiency Air Filter

·**特色**：HI-Pack型滤网为连续性折纸，以提供高比率之滤材面积，迷你折数设计意在延长滤网使用寿命及降低压损。滤材由超细玻璃纤维经折叠成大的表面面积组装入框架内，折纸后之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。

·**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。

·**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**：框材可选用木框、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:**

HI-Pack is a type of Continuity fold paper; it is designed for providing larger media area. Mini folding design is for extending filter's life span and decreasing pressure drop. HI-Pack type HEPA/ULPA is a new design of Airrex Air Filters. Media is made of ultra-fine fiberglass and folded into larger area and fabricated into frame. Folded filter is separated by hot melt adhesive to ensure the chemical pollution air will not release to a clean room. Air can blow through filter at a lowest pressure drop.

· **Efficiency:**

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.
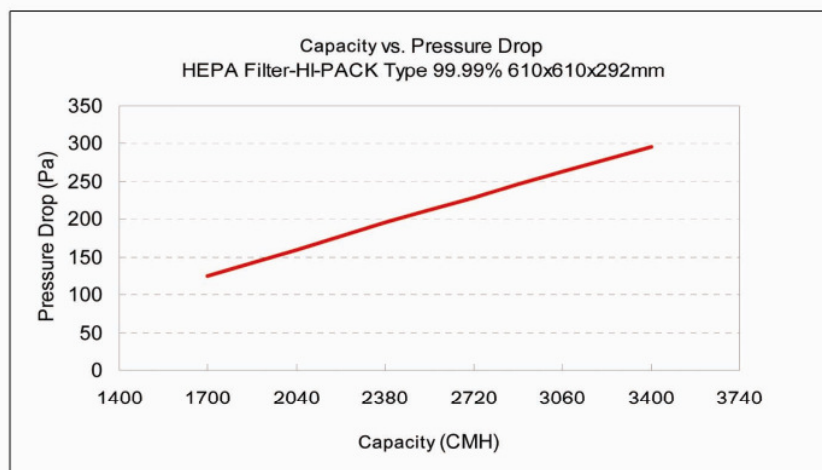
· **Media:**

Media is made of ultra-fine fiberglass and folded into larger area and fabricated into frame.

· **Frame:**

The frame is available for Wooden Frame (Fire-Retardant particle Board Frame) and Metal Frame (Galvanized Steel, Aluminum and Stainless Steel) in box type, Single Header or Double Turn Type. Both edges of filter can be additionally supported by metal mesh. It can be used to replace the traditional aluminum separators filters to provide larger filtration area.

风量关系曲线图

Capacity vs. Pressure Drop
HEPA Filter-HI-PACK Type 99.99% 610x610x292mm

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	℃	60		
	使用瞬间最高湿度 Instant Highest Humidity	% RH	100（无结露状态下） 100 (No condensation state)		

高效率滤网 High Efficiency Air Filter

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	300	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。