

## 中效率滤网 Medium Efficiency Air Filter

### 中性能V-Cell 型空气滤网 (AR207)

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。依ASHRAE52.1-1992标准，比色法效率60-65%，80-85%，90-95%等效率 (ASHRAE 52.2标准，效率为MERV11、MERV13、MERV14)。外框材质可选用金属框之箱型、法兰型或ABS框之法兰型。比传统铝隔板中效率滤网多40%的滤材面积。具高风量、低压损特性。用于取代传统隔板型中效率滤网。适合用于高风速、可变风量系统。

### ASHRAE Grade V-Cell Extended Surface Air Filter (Cat. #AR 207)

V-Cell media is manufactured from water-resistant glass microfiber. The media is pleated from the filter pack and use hot melting glue to replace the traditional aluminum separators. Per ASHRAE 52.1-1992 standard, the filters have an average atmospheric dust spot efficiency range 60-65%, 80-85% and 90-95% (in NBS Test Method); per ASHRAE 52.2, the efficiency is MERV11, MERV12 & MERV14.

The frame is available for Metal Frame (Galvanized Steel) in box type or header type and ABS frame in headed type. It contains more media (up to 40%) than standard Medium Efficiency Air Filters. With high capacity, low pressure drop advantages, can be used to replace the traditional aluminum separators filters. It is ideal for the most difficult operation conditions, i.e. High Velocity, Variable Air Volume System.



Cat.No: AR207

## 中性能V-Cell型空气滤网

### ASHRAE Grade V-Cell Extended Surface Air Filter

测试方法	比色法 Dot Spot Efficiency (in NBS Testing Method)	比重法 Arrestance (in AFI Testing Method)	MERV
Testing Method	90~95%	> 99%	14
	80~85%	> 98%	13
	60~65%	> 97%	11
	依ASHRAE 52.1-1992标准(德国EN 779) By ASHRAE Standard 52.1-1992 (Equal to EN 779 )		依ASHRAE 52.2标准 By ASHRAE 52.2 Standard

- **特色**：中性能V-CELL型滤网具有多数的迷你折数滤材，独特的V型设计 比传统铝隔板型的中性能滤网多出40%的滤材面积，可处理较大的风量与较低压损具有较高的集尘量。
- **效率**：依ASHRAE 52.1-1992标准法测试，滤网具比色法效率60-65%、80-85%、90-95%可供选择。
- **滤材**：由超细玻纤做成，以上胶间隔方式制成，每个滤网端面与框架衔接处再以耐火环氧树脂、聚亚氨脂泡沫或硅树脂，完全密封以确保滤网气密，防水玻纤滤材能承受温度到350℃。
- **外框**：框材可选用ABS框、镀锌铁框、铝框或不锈钢框。



## 中效率滤网 Medium Efficiency Air Filter

### · Features:

- ※With More Effective Media Area
- ※With High Capacity
- ※With Low Resistance
- ※With High Dust Collection Capacity
- ※With Longer Life Span

AIRREX V-Cell Air Filter is with multiple mini-pleat media packs and enable to remove air contamination, such as dust, smoke, vapor, soot, pollen, bacteria and etc. The unique V-Type design offers a wide range of efficiency to remove air contamination and provide a very low resistance. V-Cell filter offers high performance and low operating costs; it is ideal for the most difficult operating conditions:

- ※High Velocity
- ※Variable Air Volume System
- ※High Humidity
- ※Corrosion Environment

AIRREX V-Cell Air Filter is assembled by eight pieces of mini-pleat packs to compose of four (4) V Types. It contains more media (up to 40%) than standard W-Cell Air Filters. The effective media area results in greater flow capacity, lower resistance, higher dust collection capacity and longer life span. Operating range of Face Velocity is from 0 to 750FPM (0-3.81 M/sec) for 12"(292mm) deep units.

### · Efficiency:

Per ASHRAE 52.1-1992 standard, the filters have an average atmospheric dust spot efficiency range 60-65%, 80-85% and 90-95% (in NBS Test Method); per ASHRAE 52.2, the efficiency is MERV11, MERV12 & MERV14.

### · Media:

V-Cell media is manufactured from water-resistant glass microfiber. The media is pleated from the filter pack and use hot melting glue to replace the traditional aluminum separators.

V-Cell media can withstand temperature up to 350° C. The connection between filter face and frame is sealed by fire retardant epoxy, polyurethane foam or silicon to ensure the filter leakage free.

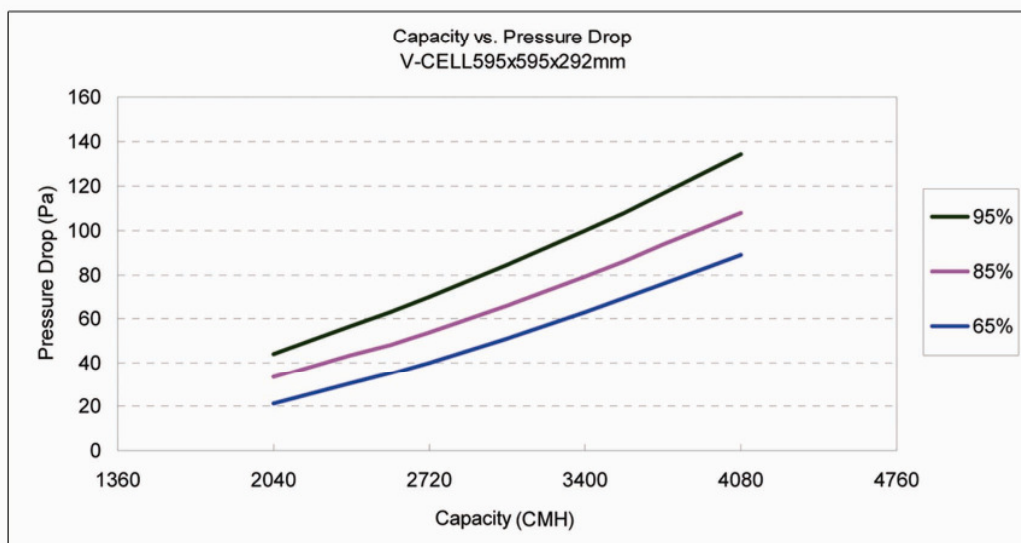
### · Outer Frame:

The frame is available for Metal Frame (Galvanized Steel, Aluminum and Stainless Steel) in box type or header type and ABS frame in headed type.

### · V-Cell Air Filter Operating Conditions:

- ※Recommended Final Pressure Drop: 2.0" w.g.
- ※Guaranteed to withstand burst pressure: 6.0" w.g.
- ※Relative Humidity: 100%
- ※Maximum Final Pressure Drop: 3.2" w.g.
- ※Actual Average Burst Pressure: 10.0" w.g.

风量关系曲线图



# 中效率滤网 Medium Efficiency Air Filter

中效率滤网性能表 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)	压力损失 Pressure Drop (Pa)	
比色法 Dot Spot Efficiency (in NBS)	比重法 Arrestance (in AFI)				初压损 Initial Resistance	末压损 Final Resistance
90~95	>99	12*24*12	289*595*292	1700	100	324
		24*24*12	595*595*292	3400		
80~85	>98	12*24*12	289*595*292	1700	79	324
		24*24*12	595*595*292	3400		
60~65	>97	12*24*12	289*595*292	1700	63	324
		24*24*12	595*595*292	3400		

\* Special Sizes are available upon request.

※特殊规格可生产制造。



# 中效率滤网 Medium Efficiency Air Filter

## 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	热熔胶 Hot Melt Adhesive	
	密封胶 Sealant	PU BASE	
	垫片材质 Gasket Material	新平橡胶 Neoprene Rubber	
	外框材质 Frame Material	木框 Wooden Frame	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	使用最高温度 The maximum use temperature	°C	60
	连续使用最高温度 The maximum continuous use temperature	°C	40
	使用瞬间最高湿度 Instant Highest Humidity	% RH	98 (无结露状态下) 98 (No condensation state)