

## 中效率滤网 Medium Efficiency Air Filter

### 中性能P-Cell 型空气滤网 (AR206)

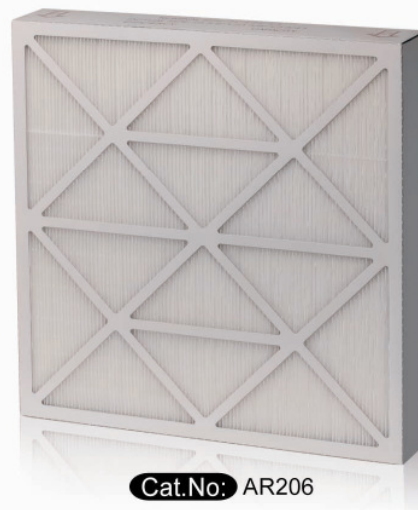
滤材为疏水性超细玻璃纤维，连续性折滤材以热熔胶为间隔。标准厚度4吋。依ASHRAE52.1-1992标准，比色法效率60-65%，80-85%，90-95%等效率(ASHRAE 52.2标准，效率为MERV11、MERV13、MERV14)。外框材质可选用纸框、金属框之箱型或法兰型。是中效率滤网中最节省空间的设计型式。

### ASHRAE Grade P-Cell Extended Surface Air Filter (Cat. #AR 206)

P-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 Paper (Card Board) and Metal Frame (Galvanized Steel) in box type or header type.

P-Cell Air Filter is the most saving space air filter (only 4" thickness). It is thinner & lighter, but with high performance of air filtration. P-Cell is the best choice for HVAC system. It is ideal for new installations, as it is smaller to be able to save air handling unit's space & cost.



Cat.No: AR206

### 中性能P-Cell型空气滤网

### ASHRAE Grade P- 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：**ASHRAE级中性能P-CELL型滤网仅4吋厚，设计上由迷你折纸方式制成，过滤面积也较大，由于较可缩小空调箱体积及成本。
- **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：**防水玻璃纤维纸，双层密度结构粗纤维于上风处，细纤维于下风处，此结构让滤材增加容尘量。滤材折纸成型块，无铝制隔板或无扩张网支撑滤材，以上胶黏合成型，适用于大风量，达到高补集率效果。
- **外框：**框材可选用纸框、镀锌铁框、铝框或不锈钢框。

#### • Features:

P-Cell Air Filter is made by mini-pleats to enlarge the media filtration area. Although the thickness is only 4", it can make air flow rate 2000 CFM by size 24"x24". Compare with other medium efficiency air filters, P-Cell air filter has better performance in pressure drop.

#### • 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:

P-Cell media is manufactured from Water-Resistant Glass Microfiber and Synthetic Fiber. The glass microfiber paper is formed with a dual density construction, coarser fiber is formed on the upstream and finer fiber is formed on the downstream. This structure can increase media's dust collection capacity. The Synthetic Fiber is made of meltblown microfiber offering maximum dust collection capacity.

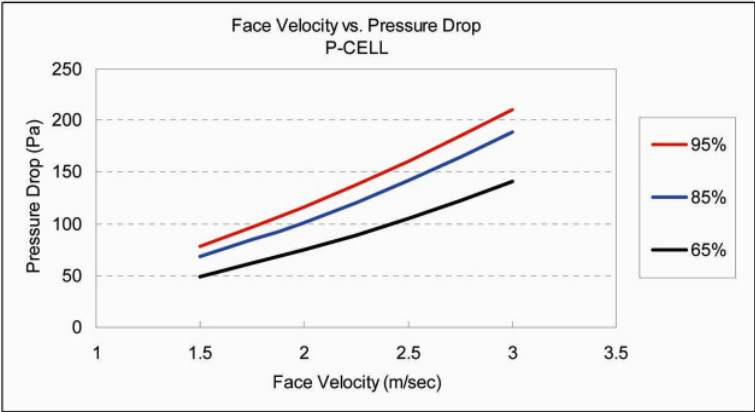
P-Cell media is pleated from the filter pack and use hot melting glue to replace the traditional aluminum separators. It is without the aluminum separators or expanded metal to support the media, but ensure the maximum air flow and minimum resistance to enhance the dust collection capacity.

#### • Outer Frame:

The frame is available for Paper and Metal Frame (Galvanized Steel, Aluminum and Stainless Steel). Paper frame consists of two-pieces of moisture-resistant press paper. Two press papers are bonded together to comprise a double wall frame, and the media pack is just stick closely with this double wall frame.

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风量关系曲线图



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*4	289*595*95	1700	169	324
		24*24*4	595*595*95	3400		
80~85	>98	12*24*4	289*595*95	1700	147	324
		24*24*4	595*595*95	3400		
60~65	>97	12*24*4	289*595*95	1700	100	324
		24*24*4	595*595*95	3400		

\* 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	
	支撑材 Support Grid		热熔胶 Hot Melt Adhesive	
	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	℃	60	
	连续使用最高温度 The maximum continuous use temperature	℃	40	
	使用瞬间最高湿度 Instant Highest Humidity	% RH	98 (无结露状态下) 98 (No condensation state)	