

## 初级滤网 Pre Efficiency Air Filter

### 丢弃折叠式空气过滤网 (AR105)

滤材为合成纤维或棉与合成纤维混纺，与支撑金属网贴合。并折成W形以增加过滤面积。标准尺寸厚度1吋、2吋及4吋，依ASHRAE 52.1-1992标准，比色法效率30~35%(ASHRAE 52.2，为效率MERV8)，比重法效率90~94%。外框材质可选用纸框、金属框。

### W-Pre Disposable Pleated Air Filter (Cat. #AR 105)

The media is a special blended of nonwoven cotton and synthetic fibers which is connected with metal support grid to offer high dust holding capacity and efficiency. The W pattern radial wedge pleat ensures that the greatest media is exposed to the air flow to promote uniform dust loading.

The thickness is available in 1", 2" and 4". Per ASHRAE 52.1-1992 standard, the filters have an average atmospheric dust spot efficiency range 30-35% (in NBS Test Method; per ASHRAE 52.2, the efficiency is MERV8) and an average arrestance of 90-94% (in AFI test method).

The frame is available for Paper (Card Board) and Metal Frame.



## 丢弃折叠式空气滤网

### W-Pre Disposable Pleated Air Filter

测试方法 Testing Method	比色法 Dot Spot Efficiency (in NBS Testing Method)	比重法 Arrestance (in AFI Testing Method)
		30~35%
依ASHRAE 52.1-1992标准(德国EN 779) By ASHRAE Standard 52.1-1992 (Equal to EN 779 )		

- **特色:** 楔形折叠具最大的过滤面积，供气流通过助长集尘能力，其于高性能及长时间之需求中被广泛接受也适用于可变风量系统，使用扣夹，即可安装于箱体里。
- **效率:** 依ASHRAE 52.1-1992标准法测定，此种滤网具比色法效率30~35%，比重法效率90~94%。
- **滤材:** 滤材是由不织布棉和合成纤维经特殊混纺制成，提供高集尘量、高效率。平坦的扩张金属网，滤材100%和铁网贴合，披覆处理之扩张金属网抗蚀性优于其他铁网。
- **外框:** 框材可选用纸框、镀锌铁框、铝框或不锈钢框。高耐湿纸板外框，上下两张厚纸板贴合形成一双壁边框，其对角支撑设计于高集尘量下，结构坚固并拥有最大开放面积。

#### • Features:

W-PRE radial wedge pleat is with the greatest media area exposed to the air flow which can contribute filter's dust collection capacity. They are available in 1", 2" and 4" nominal thicknesses.

W-Pre Disposable Pleated Air Filters are available in a wide range of sizes; and with slight or without any system modification, is able to fit most commercial and industrial installations.

Only need to use gaskets and fasteners to adapt W-PRE filter to existing filter bands.

These filters are also suitable for variable air volume system. Operating face velocity range is from 0 to 500FPM for 1" and 2" thickness filters, and 0 to 625 FPM for 4" thickness filters.

#### • Efficiency:

Per ASHRAE 52.1-1992 standard, the filters have an average atmospheric dust spot efficiency range 30-35% (in NBS Test Method; per ASHRAE 52.2, the efficiency is MERV8) and an average arrestance of 90-94% (in AFI test method).

#### • Media:

W-PRE filter media is a special blend of nonwoven cotton and synthetic fibers offering high dust-holding capacity and high efficiency.

#### • Media Support Grid:

Expanded painted metal provides a flat, stable surface that allows 100% media to metal adhesion. This eliminates media damage caused by overlapping wire grids that cannot be 100% attached. Expanded painted metals give a better corrosion resistance than others.

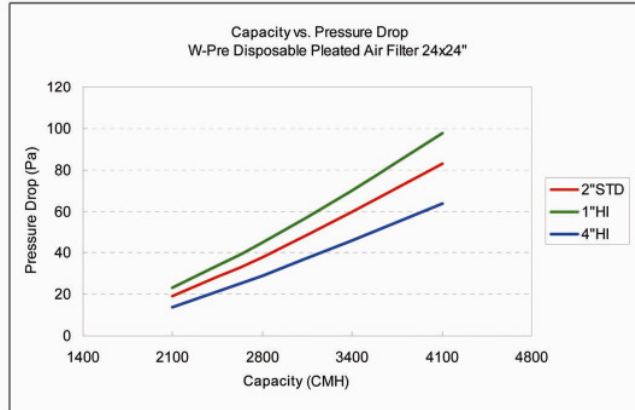
#### • Outer Frame:

Outer frame can be also a wide range of metal selection which is including of Paper, Galvanized Steel, Aluminum and Stainless Steel. The paper frame is constructed of high wet strength, moisture-resistant beverage board. Two mating die-cut boxes are bonded together, forming a double wall around the entire filter. Diagonal supports are designed for maximum open area while providing excellent structural stability in heavy dirt loading.



# 初级滤网 Pre Efficiency Air Filter

## 风量关系曲线图



## 初级滤网性能表 Pre 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)	
比色法 Dot Spot Efficiency (in NBS)	比重法 Arrestance (in AFI)				初压损 Initial Resistance	末压损 Final Resistance
30~35	90~94	12*24*1	289*595*22	1700	87	130
		16*25*1	390*619*22	2380		
		20*20*1	492*492*22	2380		
		20*24*1	492*595*22	2800		
		24*24*1	595*595*22	3400	65	130
		12*24*2	289*595*45	1700		
		20*20*2	492*492*45	2380		
		20*24*2	492*595*45	2800		
		24*24*2	595*595*45	3400	50	130
		12*24*4	289*595*95	1700		
		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 Filter Media	不织布棉和合成纤维混纺 Special Blended of Nonwoven Cotton and Synthetic Fibers
	外框材质 Frame Material	纸框 Card Board      金属框 Metal Frame
	支撑网 Support Grid	抗蚀性的金属支撑网，采楔行结构 Anticorrosion Metal Support Grid w/Radial Wedge Pleats
使用条件 Service Conditions	连续使用最高温度 The maximum continuous use temperature	40 °C
	使用瞬间最高湿度 Instant Highest Humidity	98 (无结露状态下) 98 (No condensation state)