中效率滤网 Medium Efficiency Air Filter

中性能W-Pak型空气滤网 (玻璃纤维和合成纤维) (AR203, AR204)

滤材有玻璃纤维及合成纤维两种，依ASHRAE52.1-1992标准，比色法效率45-50%，60-65%，80-85%，90-95%等效率(ASHRAE 52.2标准，效率为MERV9、MERV11、MERV13、MERV14)。标准尺寸厚度4吋、6吋及12吋，外框材质可选用纸框、金属框之箱型或法兰型。

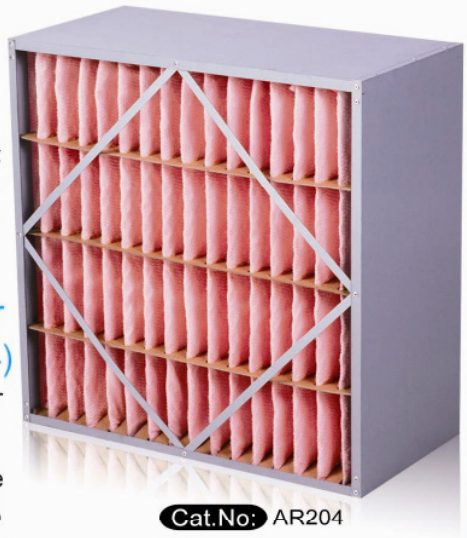
ASHRAE Grade W-Pak Extended Surface Air Filter (Glass Fiber & Synthetic Fiber) (Cat. # AR 203, AR 204)

The media is available for Fiberglass (G Series) and Synthetic Fiber (S Series).

Per ASHRAE 52.1-1992 standard, the filters have an average atmospheric dust spot efficiency range 45-50%, 60-65%, 80-85% and 90-95% (in NBS Test Method); per ASHRAE 52.2, the efficiency is MERV9, MERV11, MERV12 & MERV14.

The thickness is in 4", 6" and 12".

The frame is available for Paper (Card Board) and Metal Frame (Galvanized Steel) in box type or header type.



Cat.No: AR204

中性能W-PAK型空气过滤网 - 合成纤维

ASHRAE Grade S Series W-PAK Extended Surface Air Filter- Synthetic Fiber

	比色法 Dot Spot Efficiency (in NBS Testing Method)	比重法 Arrestance (in AFI Testing Method)	MERV
测试方法 Testing Method	90~95%	> 99%	14
	80~85%	> 98%	13
	60~65%	> 97%	11
	45~50%	> 96%	9
	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W-PAK滤网于滤材两面有防潮之固定隔板，滤材折状结构不变形，此设计使滤网具有大的过滤面积与集尘能力，延长滤网寿命。
- 效率：依ASHRAE 52.1-1992标准法测试，滤网具比色法效率45-50%、60-65%、80-85%、90-95%可供选择。
- 滤材：由多层合成纤维所制成之折形结构，多层合成纤维被覆布强化过滤层及避免纤维的脱落。非玻璃纤维材(被认为有害健康)。不受高湿度影响，不像玻璃纤维潮湿时，会丧失其效率高达20%。滤材以抗腐蚀金属被覆于后，强化折形结构与韧性。
- 外框：框材可选用纸框、镀锌铁框、铝框或不锈钢框。镀锌铁制外框结构，于上风与下风处对角支撑设计，增加W-PAK过滤网之强度及耐久性。

中效率滤网 Medium Efficiency Air Filter

· Features:

W-PAK S Series filter contains moisture-resistant pleat stabilizers on both sides of the media pack. This ensures that the tapered pleat configuration will not be deformed throughout the service life of the filter. The design of the pleat stabilizer offers maximum media filtration area and dust holding capacity, furthermore extending filter life span.

· Efficiency:

Per ASHRAE 52.1-1992 standard (equal to EN779), the filters have an average atmospheric dust spot efficiency range 45-50%, 60-65%, 80-85% and 90-95% (in NBS Test Method); per ASHRAE 52.2, the efficiency is MERV9, MERV11, MERV12 & MERV14.

· Media:

W-PAK S-Series filters are manufactured of Multiple Layers Synthetic Microfiber formed into a pleated configuration. The Synthetic Microfiber builds up in non-woven layers to strengthen Multi-layers and eliminate fiber shedding.

It contains non-glass fiber (to be thought a healthy hazard). W-PAK S-Series filters are not affected by extreme moisture and humidity conditions, unlike wet glass fibers that will be lost up to 20% efficiency. The media is color coded by efficiency.

Media Color	Average Efficiency (NBS)	Average Arrestance (AFI)
Tan	45~50%	90%
Orange	60~65%	97%
Pink	80~85%	98%
Yellow	90~95%	99%

Backings:
Class 1 – Woven Glass Scrim
Class 2 – Non-Woven Polyester or Nylon

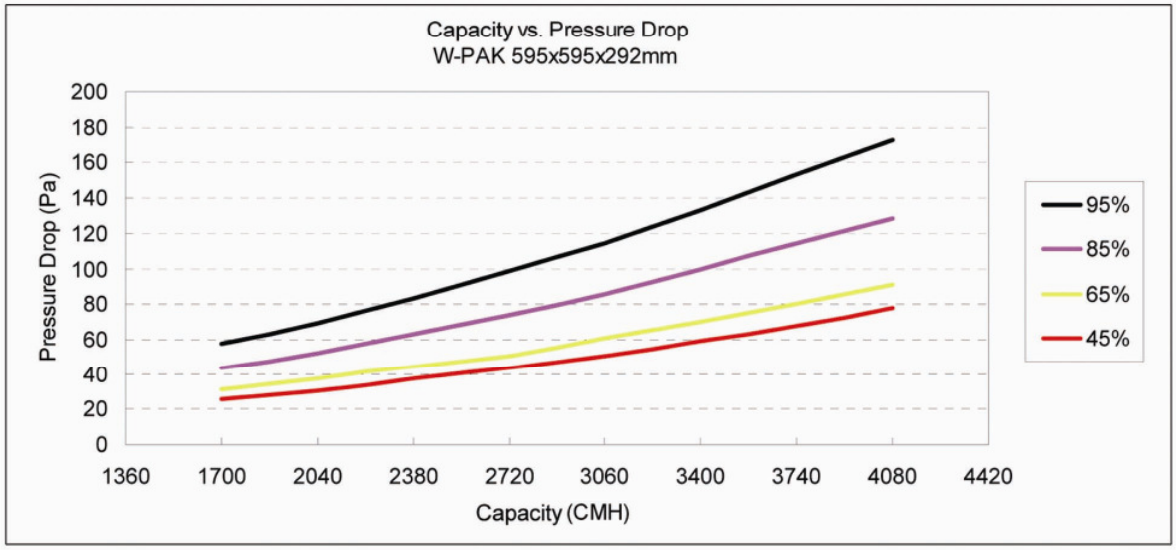
· Media Support Grid:

A corrosion-resistant metal support grid is bonded to the media to strengthen pleat construction and stability.

· Frame:

The enclosing frame is a galvanized steel construction. Diagonal supports on both upstream and downstream sides enhance the construction of the filter. This construction provides W-PAK filter with exceptional strength and durability for a longer life span. It is available in header or non-header type.

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*4	289*595*95	850	134	250
		24*24*4	595*595*95	1700		
		12*24*6	289*595*150	1020	169	324
		24*24*6	595*595*150	2040		
		12*24*12	289*595*292	1700	129	
		24*24*12	595*595*292	3400		
80~85	> 98	12*24*4	289*595*95	850	90	250
		24*24*4	595*595*95	1700		
		12*24*6	289*595*150	1020	116	324
		24*24*6	595*595*150	2040		
		12*24*12	289*595*292	1700	88	
		24*24*12	595*595*292	3400		
60~65	> 97	12*24*4	289*595*95	850	46	250
		24*24*4	595*595*95	1700		
		12*24*6	289*595*150	1020	90	324
		24*24*6	595*595*150	2040		
		12*24*12	289*595*292	1700	67	
		24*24*12	595*595*292	3400		
45~50	> 96	12*24*4	289*595*95	850	42	250
		24*24*4	595*595*95	1700		
		12*24*6	289*595*150	1020	70	324
		24*24*6	595*595*150	2040		
		12*24*12	289*595*292	1700	44	
		24*24*12	595*595*292	3400		

1. Recommended Final Resistance on all S Series Filters is 1.5" w.g.
2. 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		合成纤维 Synthetic Fiber	
	外框材质 Frame Material		纸框 Card Board	金属框 Metal Frame
	外框型式 Frame Type		箱型 Box Type	单法兰 Single Header
	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	℃	60	
	使用瞬间最高湿度 Instant Highest Humidity	% RH	98（无结露状态下） 98 (No condensation state)	