



The W-PAK G-Series filter has wide range of efficiencies and rigid compact design makes this an excellent product for upgrading current system and for new installation.

G-Series filter is used in a wide variety of applications. They are ideally suited for Hospital, Pharmaceutical, Office Buildings and processing Plants, etc.

ASHRAE Grade G Series W-PAK

Extended Surface Air Filter- Glass fiber

Testing Method	Dot Spot Efficiency (in NBS Testing Method)	Arrestance (in AFI Testing Method)	MERV
	90~95%	> 99%	14
	80~85%	> 98%	13
	60~65%	> 97%	11
	45~50%	> 96%	9
By ASHRAE Standard 52.1-1992 (Equal to EN 779)		By ASHRAE 52.2-1999 Standard	

Features:

W-PAK 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 52.1-1982 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 G-Series filter media is a continuous piece of certified high density ultrafine glass fiber media. A non-woven synthetic backing is laminated to downstream side of the glass fiber media. 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:

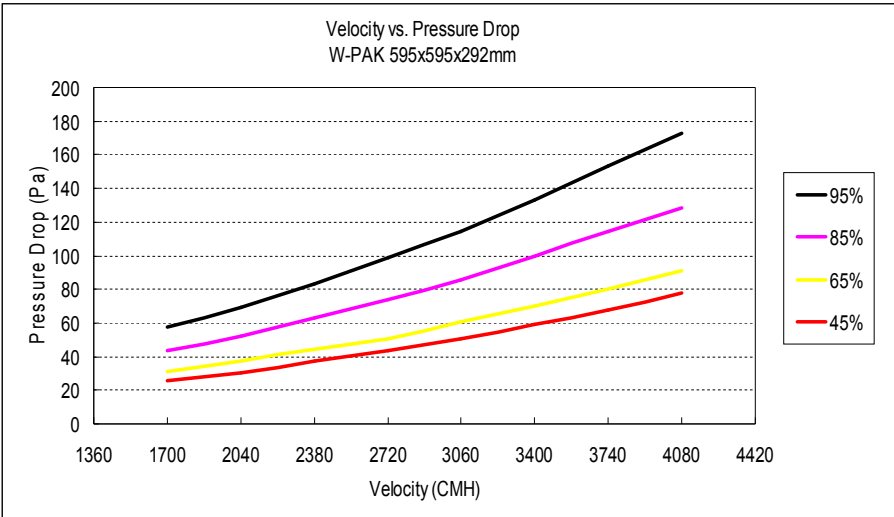
- Class 1 – Woven Glass Scrim
- Class 2 – Non-Woven Polyester or Nylon

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.



ASHRAE Grade G Series W-PAK Extended Surface Air Filter (Glass fiber)

Efficiency		Nominal Size	Actual Size	Rated Capacity	Pressure Drop	
%		(W*H*D)	(W*H*D)	CMH	Pa	
Dot Spot Efficiency (in NBS)	Arrestance (in AFI)	(inch)	(mm)		Initial Resistance	Final Resistance
90~95	> 99	12*24*6	289*595*150	1020	176	324
		24*24*6	595*595*150	2040		
		12*24*12	289*595*292	1700	133	
		24*24*12	595*595*292	3400		
80~85	> 98	12*24*6	289*595*150	1020	122	324
		24*24*6	595*595*150	2040		
		12*24*12	289*595*292	1700	90	
		24*24*12	595*595*292	3400		
60~65	> 97	12*24*6	289*595*150	1020	93	324
		24*24*6	595*595*150	2040		
		12*24*12	289*595*292	1700	70	
		24*24*12	595*595*292	3400		
45~50	> 96	12*24*6	289*595*150	1020	73	324
		24*24*6	595*595*150	2040		
		12*24*12	289*595*292	1700	59	
		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.

Material and Service Conditions

Type		Description	
Construction	Media	Fiberglass	
	Frame Material	Card Board	Metal Frame
	Frame Type	Box Type	Single Header
	Support Grid	Anticorrosion Metal Support Grid w/Radial Wedge Pleats	
Service Conditions	The maximum continuous use temperature	°C	60
	Instant Highest Humidity	% RH	98 (No condensation state)



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