

## W-Pre Disposable Pleated Air Filter

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:

G-Series Bag Filter is designed to a V-Shape pocket. The microprocessor control automatic sewing machines can actually control the stitch loosening and continuously to adjust the pockets from 60mm to 20mm. V-Shape pocket design allows every pocket to fully inflate and maintain a proper spacing with adjacent pockets. Clean air can freely exit from front to back.

### Efficiency:

Per ASHRAE 52.1-1982 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. Operating face velocities up to 750FPM are available for certain models.

### Media:

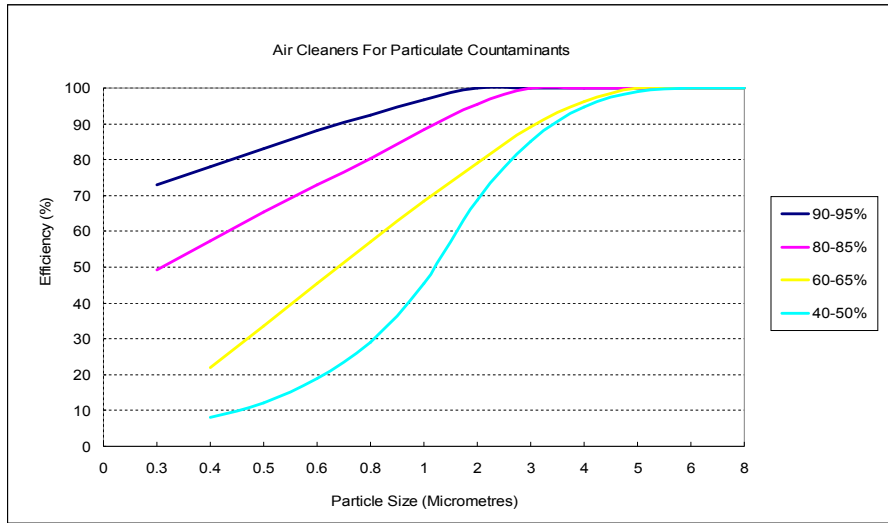
G-Series bag is fabricated using a special ultra fine fiberglass media w/0.25" thickness reinforced by an integral non-woven backing. Using a variety of materials, the range of filtration efficiencies can be spanned from 45-50% to 90-95%.

### Sealant

Each stitch of pocket is sealed with a special adhesive to prevent the possibility of contaminant leakage or media break-off.

**Frame:**

G-Series Bag Filter consists of a series of individual pockets, which are bonded to a corrosion-resistant header frame. Media and metal frame are glued to ensure product integrity during operation.



**Performance Data – G Series Extended Surface Bag Filter ( Glass Fiber )**

Efficiency %		Nominal Size (W*H*D)	Actual Size (W*H*D)	Pockets P	Rated Capacity CMH	Pressure Drop Pa	
Dot Spot Efficiency (in NBS)	Arrestance (in AFI)	(inch)	(mm)			Initial Resistance	Final Resistance
90~95	> 99	12*24*15	289*595*381	3	1070	177	250
				6	1700	157	
		12*24*21	289*595*533	3	1700	189	
				6	2130	152	
		12*24*30	289*595*762	3	2130	169	
				6	2130	107	
		12*24*36	289*595*914	3	2130	167	
				6	2550	137	
		24*24*15	595*595*381	6	2130	177	
				12	3400	157	
		24*24*21	595*595*533	6	3400	189	
				12	4250	152	
		24*24*30	595*595*762	6	4250	169	
				12	4250	107	
		24*24*36	595*595*914	6	4250	167	
				12	5100	137	

\* Special Sizes are available upon request.

Efficiency		Nominal Size (W*H*D)  (inch)	Actual Size (W*H*D)  (mm)	Pockets  P	Rated Capacity  CMH	Pressure Drop	
%	Arrestance (in AFI)					Initial Resistance	Final Resistance
Dot Spot Efficiency (in NBS)							
80~85	> 98	12*24*15	289*595*381	3	1275	184	250
				6	1700	144	
		12*24*21	289*595*533	3	1700	187	
				6	2130	134	
		12*24*30	289*595*762	3	2130	167	
				6	2130	92	
		12*24*36	289*595*914	3	2550	149	
				6	2550	117	
		24*24*15	595*595*381	6	2550	184	
				12	3400	144	
		24*24*21	595*595*533	6	3400	187	
				12	4250	134	
		24*24*30	595*595*762	6	4250	167	
				12	4250	92	
24*24*36	595*595*914	6	4250	149			
		12	5100	117			

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Efficiency %		Nominal Size (W*H*D)	Actual Size (W*H*D)	Pockets P	Rated Capacity CMH	Pressure Drop Pa	
Dot Spot Efficiency (in NBS)	Arrestance (in AFI)	(inch)	(mm)			Initial Resistance	Final Resistance
60~65	> 97	12*24*15	289*595*381	3	1700	157	250
				6	2130	142	
		12*24*21	289*595*533	3	1700	137	
				6	2130	97	
		12*24*30	289*595*762	3	2250	132	
				6	2250	72	
		12*24*36	289*595*914	3	2250	134	
				6	2250	75	
		24*24*15	595*595*381	6	3400	157	
				12	4250	142	
		24*24*21	595*595*533	6	3400	137	
				12	4250	97	
		24*24*30	595*595*762	6	5100	132	
				12	5100	72	
		24*24*36	595*595*914	6	5100	134	
				12	5100	75	
45~50	> 96	12*24*15	289*595*381	3	1700	82	250
		12*24*21	289*595*533	3	2250	95	
		24*24*15	595*595*381	6	3400	80	
		24*24*21	595*595*533	6	5100	112	

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## Material and Service Conditions

Type			Description
Construction	Media		Glass Fiber
	Frame Material		Metal Frame
Service Conditions	The maximum continuous use temperature	°C	60
	Instant Highest Humidity	% RH	100 ( No condensation state )