

## 中效率滤网 Medium Efficiency Air Filter

### 袋型滤网 (玻璃纤维和合成纤维) (AR201, AR202)

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，效率为MERV9、MERV11、MERV13、MERV14)。外框材质为金属框。袋型滤网为中效率滤网，价格最经济的产品。

### Extended Surface Bag Filter (Glass Fiber & Synthetic Fiber) (Cat. #AR 201, AR 202)

It is designed for those areas requesting a higher degree of air cleanliness. The filter 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 frame is available for Metal Frame.



Cat.No: AR202

## 袋型滤网 - 合成纤维

### Extended Surface Bag Filter - Synthetic Fiber

测试方法 Testing Method	比色法 Dot Spot Efficiency (in NBS Testing Method)	比重法 Arrestance (in AFI Testing Method)	MERV
		90~95%	> 99%
	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**：滤袋V型设计，微电脑控制的自动缝袋机准确地连续调整每个袋子从60厘米至20厘米松弛车成。V型设计能使每个袋子充分鼓起与相邻的袋子保有适当的间距，滤袋之缝针孔涂上特殊密封胶，防止气漏及滤材破裂，清洁的空气大量由前至后排出。
- **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，可在750呎分之表面风速下使用。
- **滤材**：滤材是由多层合成纤维所制成，此多层合成纤维被覆于不织布以加强其过滤层，滤材耐久且纤维不脱落。合成纤维的袋型滤网不受高湿度影响，不像玻璃纤维在潮湿环境会失去高达20%之效率。
- **外框**：个别的人造纤维滤袋组装于金属框架内，滤材与金属框架界面均有上胶气密，确保产品性能。



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### • Features:

S-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 52.1-1992 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. Operating face velocities up to 750FPM are available for certain models.

### • Media:

S-Series bag filters are manufactured of Multiple Layers Synthetic Microfiber. The Synthetic Microfiber builds up in non-woven layers to ensure Multi-layers buildup and eliminate fiber shedding. The media is extremely durable and non-shedding. Using a variety of materials, the range of filtration efficiencies can be spanned from 45-50% to 90-95% and > 95%.

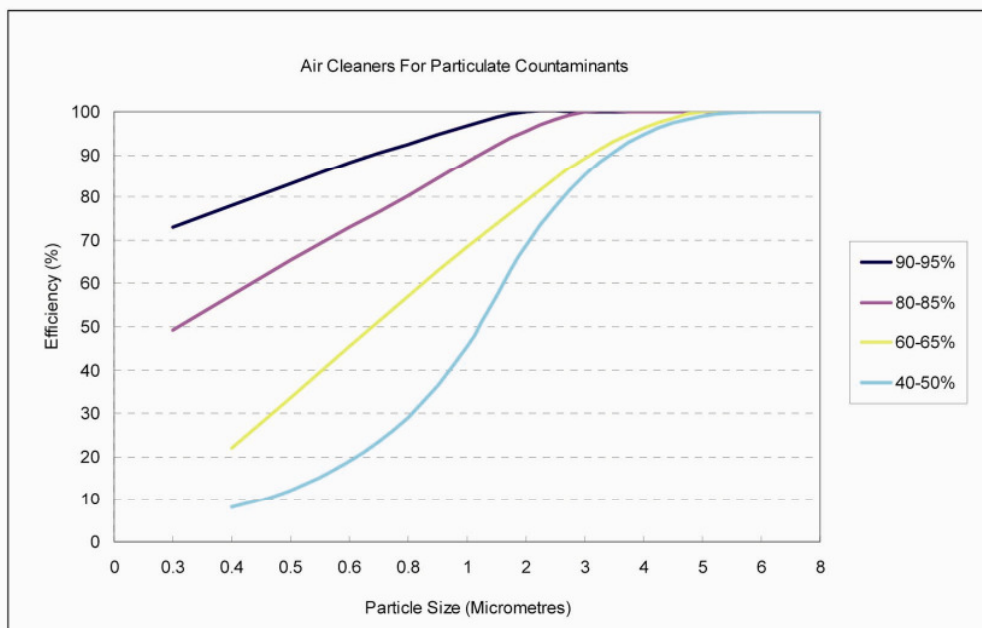
### • Sealant:

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

### • Frame:

S-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.

### 风量关系曲线图



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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)	袋数 Pockets P	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*15	289*595*381	3	1070	179	250
				6	1700	159	
		12*24*21	289*595*533	3	1700	147	
				6	2130	134	
		12*24*30	289*595*762	3	2130	169	
				6	2130	92	
		12*24*36	289*595*914	3	2130	149	
				6	2550	95	
		24*24*15	595*595*381	6	2130	179	
				12	3400	159	
		24*24*21	595*595*533	6	3400	147	
				12	4250	134	
		24*24*30	595*595*762	6	4250	169	
				12	4250	92	
		24*24*36	595*595*914	6	4250	149	
				12	5100	95	
80~85	> 98	12*24*15	289*595*381	3	1275	174	250
				6	1700	134	
		12*24*21	289*595*533	3	1700	169	
				6	2130	117	
		12*24*30	289*595*762	3	2130	144	
				6	2130	82	
		12*24*36	289*595*914	3	2550	149	
				6	2550	87	
		24*24*15	595*595*381	6	2550	174	
				12	3400	134	
		24*24*21	595*595*533	6	3400	169	
				12	4250	117	
		24*24*30	595*595*762	6	4250	144	
				12	4250	82	
		24*24*36	595*595*914	6	5100	149	
				12	5100	87	

\* Special Sizes are available upon request.  
 ※特殊规格可生产制造。



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比色法 Dot Spot Efficiency (in NBS)	比重法 Arrestance (in AFI)					初压损 Initial Resistance	末压损 Final Resistance
60~65	> 97	12*24*15	289*595*381	3	1700	154	250
				6	2130	112	
		12*24*21	289*595*533	3	2130	137	
				6	2130	75	
		12*24*30	289*595*762	3	2250	115	
				6	2250	67	
		12*24*36	289*595*914	3	2250	105	
				6	2250	57	
		24*24*15	595*595*381	6	3400	154	
				12	4250	112	
		24*24*21	595*595*533	6	4250	137	
				12	4250	75	
		24*24*30	595*595*762	6	5100	115	
				12	5100	67	
		24*24*36	595*595*914	6	5100	105	
				12	5100	57	
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	82	
		24*24*21	595*595*533	6	5100	95	

\* Special Sizes are available upon request.

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## 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	金属框 Metal Frame	
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	100 (无结露状态下) 100 (No condensation state)