

化学滤网系列 Chemical Air Filters

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此滤网用于解决工业环境具有腐蚀性臭味及污染性之化学气体如挥发性有机物、二氧化硫、二氧化氯、硫化氢、阿摩尼亚、NMP、氯化氢、氟化氢、硫酸、臭气…等。有四种滤网型式：植入式、填充式、蜂巢式、包覆式。

Chemical Air Filters

The filter is designed for solving the problem of corrosion and odor contamination (VOCs, SO₂, NO₂, H₂O, Ammonia, NMP, HCl, HF, H₂SO₄, Ozone) in industrial environment. There are four (4) types of Air Filters available which offer some level of AMC removal:

1. Carbon Slurry Coated Type
2. Carbon Tray Type
3. Honey-Comb Type
4. Carbon Loaded Web in Pleated Form

植入式浪型活性碳滤网 (AR501)

标准尺寸厚度1吋、2吋或4吋，外框材质可选用纸框、金属框。可初步处理有机挥发物，去除异味，更换方式简便。波浪式可减缓通过滤网的风速以降低压损，并增加滤材的表面积及降低压损。

Carbon Slurry Coated Type Air Filter (Cat. #AR 501)

Carbon slurry coated type (Polysorb Activated Carbon Media): are typically coated power carbon with adhesive into foam woven.

Activated carbon can effectively remove chemicals from air. Foam Woven design can also effectively reduce air speed and pressure drop, ensure maximum contact area with the filter and capacity.



Cat.No: AR501

植几式浪型活性碳滤网

Carbon Slurry Coated Type Activated Carbon Filter

执行变量 Performance Parameter	植入性滤网 Carbon Slurry Coated Type Activated Carbon Filter	填充式滤网 Tray Type Activated Carbon Filter	蜂巢式滤网 Honey-Comb Type Activated Carbon Filter	包覆式滤网 Carbon Loaded Web Type Activated Carbon Filter
低压损 Low Pressure Drop	+	+ or -	+ or -	+
活性碳重量 Weight of Activated Carbon	-	++	++	+++
最理想的活性碳尺寸 Optimal Activated Carbon Size	+	-	+	++++
整体吸附效率 Overall Adsorption Efficiency	---	+	+	+++
低灰尘 Low Dust	+	--	-	++
压折能力 Pleated Ability	+	N/A	N/A	++++
更换简易 Easy of Replacement	+	--	+	+

- **特色：**波浪式可减缓通过滤网的风速以降低压损，并增加滤材的表面积及容量。可初步处理有机挥发物，去除异味，更换方式简便，成本也较低廉。
- **滤材：**是将粒径小的吸附剂植入多孔性的发泡材中，借由不规则的孔道让气流通过时增加与吸附剂接触的机会；为了要减低穿过滤网气流的风速将滤网作波浪式，折数愈多或愈深，愈可减缓通过滤网的风速降低压损，并增加滤材的表面积及容量。滤材的出风面使用滤材支撑网，滤材100%和铁网贴合，以保护滤材，被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。

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• Features:

Carbon slurry coated type (Polysorb Activated Carbon Media): are typically coated power carbon with adhesive into foam woven.

Activated carbon can effectively remove chemicals from air. Foam Woven design can also effectively reduce air speed and pressure drop, ensure maximum contact area with the filter and capacity.

• Media:

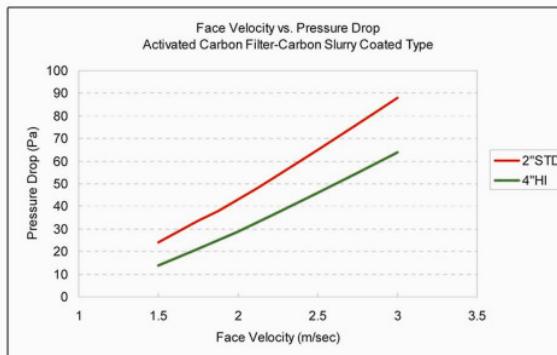
Implant the small size porous absorbent into the foam material, through irregular channels, let the air flow has more opportunity to increase contact with the adsorbent.

The more wave forms, the more the wind speed can be slowed down through the filter and reduce the pressure drop, and increase the filter surface area and capacity. Filter's outlet size using the filter support network (Support Grid), filter and iron mesh are 100% fitted to protect the media. The expanded metal mesh has better corrosion resistance than other metal mesh.

• Outer Frame:

Outer frame can be also a wide range of metal selection which is including of Galvanized Steel, Aluminum or Stainless Steel.

风量关系曲线图



活性碳滤网性能表 Activated Carbon Filter Performance Data

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)	初压损 Initial Resistance (Pa)	去除效率 Remove Efficiency (%)
12*24*2	289*595*45	1700	65	依现场条件而定 Depending on field condition
20*20*2	492*492*45	2380		
20*24*2	492*595*45	2800		
24*24*2	595*595*45	3400		
12*24*4	289*595*95	1700	45	依现场条件而定 Depending on field condition
20*20*4	492*492*95	2380		
20*24*4	492*595*95	2800		
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+活性碳粒 Non-Woven + Activated Carbon	
	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	