



Chemical Air filter is designed for solving the problem of corrosion and odor contamination (VOCs, SO<sub>2</sub>, NO<sub>2</sub>, H<sub>2</sub>O, Ammonia, NMP, HCl, HF, H<sub>2</sub>SO<sub>4</sub>, 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

## Carbon Slurry Coated Type Activated Carbon Filter

Performance Parameter	Carbon Slurry Coated Type Activated Carbon Filter	Tray Type Activated Carbon Filter	Honey-Comb Type Activated Carbon Filter	Carbon Loaded Web Type Activated Carbon Filter
Low Pressure Drop	+	+ or -	+ or -	+
Weight of Activated Carbon	-	++	++	+++
Optimal Activated Carbon Size	+	-	+	++++
Overall Adsorption Efficiency	---	+	+	+++
Low Dust	+	--	-	++
Pleated Ability	+	N/A	N/A	++++
Easy of Replacement	+	--	+	+

### 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.

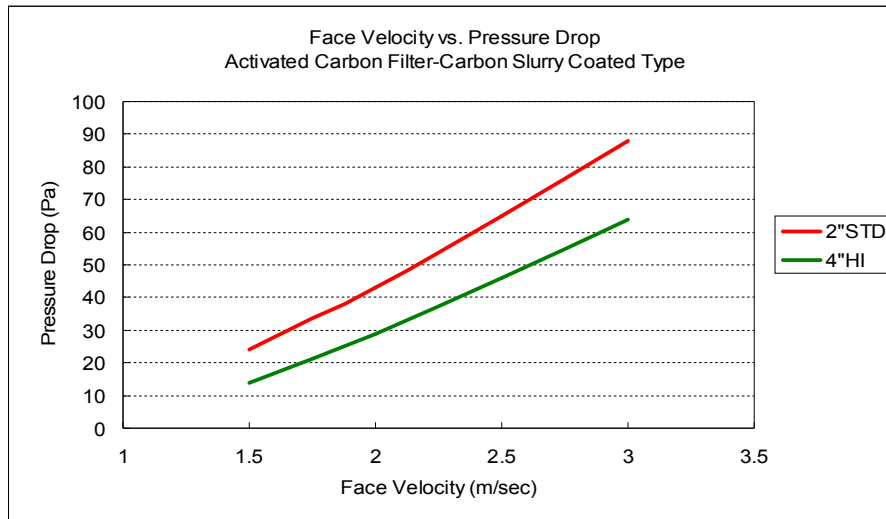
### Media:

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.

**Frame:**

The frame is available for Paper Frame and Metal Frame (Galvanized Steel, Aluminum and Stainless Steel).



**Activated Carbon Filter Performance Data - Carbon Slurry Coated Type**

Nominal Size (W*H*D) (inch)	Actual Size (W*H*D) (mm)	Rated Capacity (CMH)	Initial Resistance (Pa)	Remove Efficiency (%)
12*24*2	289*595*45	1700	65	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	
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.

**Material and Service Conditions**

Type		Description	
Construction	Media	Non-Woven + Activated Carbon	
	Frame Material	Paper Frame	Metal Frame
	Support Grid	Anticorrosion Metal Support Grid w/Radial Wedge Pleats	