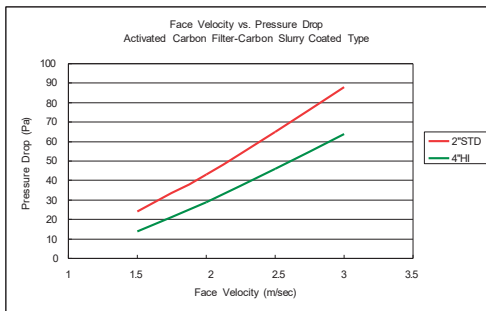


# 植入式浪型活性炭濾網

## Carbon Slurry Coated Type Activated Carbon Filter

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



Performance Parameter 執行變數	Carbon Slurry Coated Type 植入式濾網	Tray Type 填充式濾網	Honey-Comb Type 蜂巢式濾網	Carbon Loaded Web Type 包覆式濾網
Low Pressure Drop 低壓損	+	+ or -	+ or -	+
Weight of Activated Carbon 活性炭重量	-	++	++	+++
Optimal Activated Carbon Size 最理想的活性炭尺寸	+	-	+	++++
Overall Adsorption Efficiency 整體吸附效率	---	+	+	+++
Low Dust 低灰塵	+	--	-	++
Pleated Ability 壓褶能力	+	N/A	N/A	++++
Easy of Replacement 更換簡易	+	--	+	+

### 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).

**特色：** 波浪式可減緩通過濾網的風速以降低壓損，並增加濾材的表面積及容量。可初步處理有機揮發物，去除異味，更換方式簡便，成本也較低廉。

**效率：** 將粒徑小的吸附劑植入多孔性的發泡材中，藉由不規則的孔道讓氣流通過時增加與吸附劑接觸的機會；為了要減低穿過濾網氣流的風速將濾網作波浪式，摺數愈多或愈深，愈可減緩通過濾網的風速降低壓損，並增加濾材的表面積及容量。濾材的出風面使用濾材支撐網，濾材100%和鐵網貼合，以保護濾材，被覆處理之擴張金屬網抗蝕性優於其他鐵網。

**外框：** 框材可選用紙框、鍍鋅鐵框、鋁框或不銹鋼框。



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

## 活性炭濾網性能表 - 植入式浪型活性炭濾網

Nominal Size 通稱尺寸 (W*H*D) (inch)	Actual Size 實際尺寸 (W*H*D) (mm)	Rated Capacity 額定風量 (CMH)	Initial Resistance 初壓損 (Pa)	Remove Efficiency 去除效率 (%)
12*24*2	289*595*45	1700	65	Depending on field condition 依現場條件而定
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.

※特殊規格可生產製造。

## Material and Service Conditions

材質、使用條件

Type 型式		Description 說明	
Construction 總成	Media 濾材	Non-Woven + Activated Carbon 不織布棉+活性炭粒	
	Frame Material 外框材質	Paper Frame 紙框	Metal Frame 金屬框
	Support Grid 支撐網	Anticorrosion Metal Support Grid w/Radial Wedge Pleats 抗蝕性的金屬支撐網，採楔行結構	



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