



填充式顆粒活性炭濾網

Tray Type Activated Carbon Filter

Features:

Larger granular activated carbon filled filter frame, for different chemicals, can choose a different filter types (media type), to achieve the best treatment effect. Designed to place the filter box is similar to the housing of air filters, except it is with a series of orbit into the frame in the vertical V-arranged. It is also structure included a 2 inches deep W-Pre Disposable Pleated Filter to provide some protection from contamination.

Such filters because of high levels of adsorbent, particle size large, require a longer residence time in order to take full advantage of adsorbent, adsorption capacity, but pressure loss (pressure drop) is also larger, so more suitable for high concentration low wind speed sites

特色：

將較大顆粒狀的活性炭填入濾網框架中，針對不同的化學氣體，可選用不同的濾材型式，以達到最好的處理效果。設計之放置外箱與一般濾網箱類似，除了其具有一連串的軌道，外框於垂直向成V型排列。前端2吋以褶疊型初級濾網保護。此類濾網因吸附劑的含量高、粒徑大，需要較長的滯留時間以充份利用吸附劑，吸附容量大，但因壓損也較大，所以較適用於高濃度低風速的場所。

Media

濾材：

Media Type 濾材種類	Media Description 濾材說明
MM-1000	Composed of Activated Aluminum (Al ₂ O ₃) and potassium permanganate (KMnO ₄). The activated aluminum will absorb moisture and odor. For example, H ₂ S+KMnO ₄ + H ₂ O → K ₂ SO ₄ + KOH+ MnO ₂ +H ₂ O. K ₂ SO ₄ , KOH and MnO ₂ are solids and exist in pallet. 由活性鋁與過錳酸鉀混合而成。活性鋁可吸附與吸著水分與臭味。例如與硫化氫反應後，所產生之硫酸鉀、氫氧化鉀與氧化錳為固體仍於顆粒內。
MM-3000	MM-3000 consists of activated carbon, physical adsorption removes the gas molecules. Activated Carbon is used for removing most of contaminants and with higher affinity to specific gases. 為一種活性碳，物理性吸附移除氣體分子。活性碳使用於多種污染物且對多種起體具有高親和性。
MM-7000	Composed of activated carbon and phosphoric acid. To enhance the efficiency of removing basic molecular contaminants. After adsorb, the contaminant will be neutralized due to chemical reaction. 為磷酸注入活性碳裡，增強對鹼性分子污染物的效率。當吸附後產生化學反應中和污染物。
MM-9000	Composed of activate carbon and potassium hydroxide. To enhance the efficiency of removing acid molecules contaminants. After adsorb, the contaminant will be neutralized due to chemical reaction. 為氫氧化鉀注入活性碳裡，增強對酸性分子污染物的效率。當吸附後產生化學反應中和污染物。



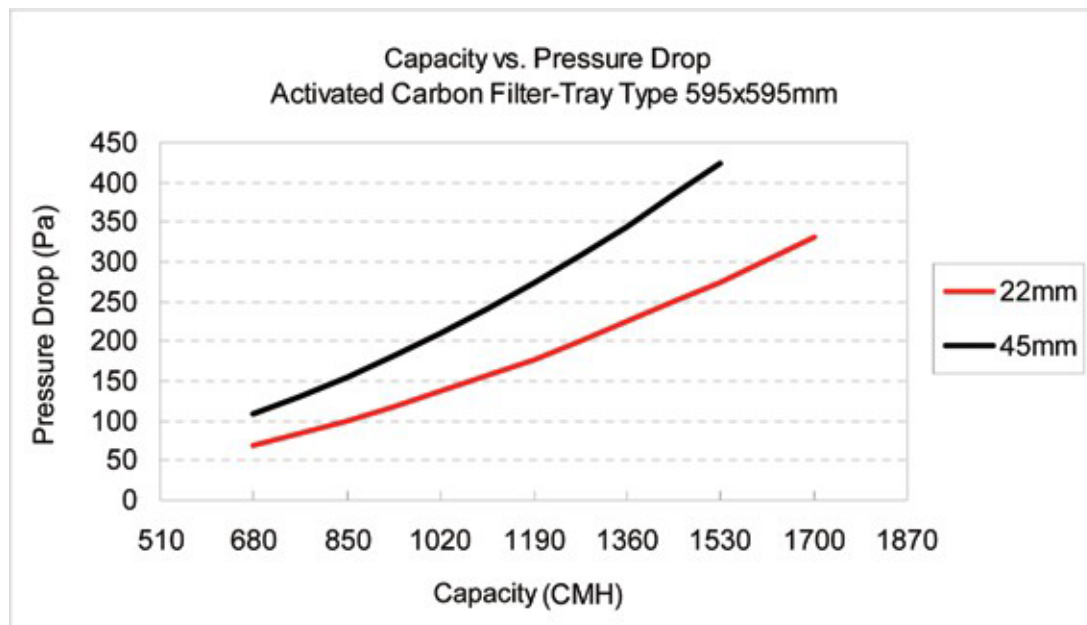
Tray:

Standard tray is in Cold Rolled Steel Painted Black finish; Galvanized Steel, Stainless Steel or Epoxy Coated tray is also available for option.

外框：

框材可選用鍍鋅鐵框、冷軋鋼黑色烤漆、噴環氧樹脂或不銹鋼框。

Performance Parameter 執行變數	Carbon Slurry Coated Type Activated Carbon Filter 植入式濾網	Tray Type Activated Carbon Filter 填充式濾網	Honey-Comb Type Activated Carbon Filter 蜂巢式濾網	Carbon Loaded Web Type Activated Carbon Filter 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	+	--	+	+





Activated Carbon Filter Performance Data - Tray Type

活性炭濾網性能表-填充式顆粒活性炭濾網

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*1	289*595*22	170	62	Depending on field condition 依現場條件而定
24*24*1	595*595*22	340		
12*24*2	289*595*45	170	75	
24*24*2	595*595*45	340		

* 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

Gas Type 氣體種類	Media 濾材			
	MM-1000	MM-3000	MM-7000	MM-9000
	6% Potassium Permanganate + Aluminum Oxide 6% 過錳酸鉀 + 氧化鋁	Activated Carbon 活性碳	10% Phosphoric Acid + Activated Carbon 10% 磷酸 + 活性碳	5-10% Potassium Hydroxide + Activated Carbon 5-10% 氫氧化鉀 + 活性碳
VOC (揮發性有機物)	2	8		6
Ozone (臭氧)	2	10		10
Nitrogen Dioxide (二氧化氮)	4	6		9
Nitric Acid (硝酸)	6	6		9
Acid / Corrosive (HCL, HF, Chlorine) 酸 / 腐蝕性氣體 (氯化氫, 氟化氫, 氯)	0	0		8
Base / Corrosive (Ammonia, Amines) 鹼 / 腐蝕性氣體 (氨, 胺類)	0	0	9	0
Odor / Corrosive Gas (H2S) 臭味 / 腐蝕性氣體 (硫化氫)	8	1	2	10
Odor / Corrosive Gas (SO2) 臭味 / 腐蝕性氣體 (二氧化硫)	8	7	2	9
Odor / Corrosive Gas (Organic Sulfur) 臭味 / 腐蝕性氣體 (有機硫)	8	5		9



Material and Service Conditions

材質、使用條件

Type 型式	Description 說明			
Media 濾材	MM-1000	MM-3000	MM-7000	MM-9000
Components成份	6% Potassium Permanganate + Aluminum Oxide 6%過錳酸鉀 + 氧化鋁	Activated Carbon 活性碳	10% Phosphoric Acid + Activated Carbon 10%磷酸 + 活性碳	5~10%Potassium Hydroxide + Activated Carbon 5~10%氫氧化鉀 + 活性碳
Moisture Content(%) 含水率	15	2	15	15
Crushing Test (%) 壓碎測試	32	-	-	-
Hardness (%) 硬度	-	95	95	95
Particle Size (mm) 顆粒大小	3.5	3	4	3
Surface Area(m2/g) 表面積	250	1000	1000	1000
Particle Type 粒型	Spherical Particles 球狀顆粒	Particles 顆粒	Particles 顆粒	Particles 顆粒
Density (lb/ft3) 密度	50	30	50	35
Volume (min) 容量	0.1g (H2S/CC)	-	0.05g (NH3/CC)	0.15g (H2S/CC)
Carbon Tetrachloride (%) 四氯化碳	-	60	60	60
Frame Material 外框材質	Cold rolled steel painted black 冷軋鋼黑色烤漆	Metal Frame 金屬框	Epoxy Coated 噴環氧樹脂	



康聖國際貿易有限公司

KANGSANG INTERNATIONAL TREAD CO., LTD



康智富科技有限公司

K.J.F CLEAN CO., LTD

電話：02-29209031(代表號) 傳真：02-89236067

地址：234 新北市永和區仁愛路141巷30弄26號1樓

E-Mail：ks.best@msa.hinet.net

https://29209031.com.tw/