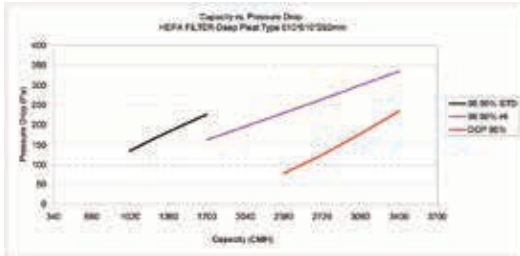




高效率濾網—隔板型

High Efficiency Particulate Air Filter - Deep Pleat Type



Testing Method 測試方法	Particle Size 粒徑	Efficiency (%) 效率
	0.3um	95%、99.97%、99.99%、9.999%
	0.1-0.2um	99.999%以上
European Standard EN1822		
*High Temperature Resistant Filter can be option for special use. *依特殊使用性質，可製成耐高溫濾網		



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Features:

HEPA media is made of ultra fine glass fiber formed into a 0.038mm thick mat and is pleated to allow a larger surface area to be incorporated within the housing. The media is water-resistant and can withstand temperature up to 500°C. Deep Pleat Type Air Filter is spaced by corrugated aluminum separators, each separator has at least 0.038mm (0.0015") thickness.

Corrugated Aluminum Separator:

Corrugated aluminum separators maintain uniform spacing between each pleat to allow free flow of air through the filter to ensure all media to have more effective use and increase the strength of filter pack.

Both edges of aluminum separators are rolled to prevent media tearing and provide maximum integrity. Rolled edges can decrease the possibility of worker's hands to be injured during installation.

Efficiency:

All HEPA filter efficiency is tested in accordance with US MIL-STD-282 (EU Standard) and EN1822. The series provide guarantee efficiency from 95%, 99.97%, 99.99% to 99.999% (EU12-EU14) or H10-H14 (per EN-1822 standard in MPPS Test) on 0.3 micrometer size particles HEPA filter; and 99.999% to 99.99999% or U15-U16 (per EN-1822 standard in MPPS Test) ULPA filter.

Media:

The ultra-fine glass fiber HEPA media is formed with high density papers. The media is water-resistant and can withstand temperature up to 500°C. Deep Pleat Type can provide more filtration area. Although the filter media is designed to withstand 100% humidity, it is not designed to operate in vapor environment. When the filter exposures to such condition for too long, the filter media will absorb and retain moisture, and thus the filter will be saturated and blocked. As time goes by, filter will fail due to excessive blockage. The function of the filter can be restored by blowing dry air through the filter.

Sealant:

Each media pack is sealed with a special adhesive to ensure the filter media leakage free.

Frame:

The frame is available for Wooden Frame (High Particle Board Frame) and Metal Frame (Galvanized Steel, Stainless Steel or Aluminum) in Box Type, Double Turn Type or Single Header. Metal faceguard installed on both sides of the filter is available.

特色： 隔板型濾網以至少0.038mm厚度波褶狀區隔，波褶狀鋁隔板維持每一褶濾紙之等距間隔，氣流易於穿過，確保濾材有效利用及增加強度。鋁隔板雙褶邊防止插破濾紙，提供最大的安全性。另有高風量系列之濾網，因多褶數有較大的過濾面積，於相同壓損下可處理較大的風量。

效率： 依歐規EN1822標準測試，即測試濾網之上風處與下風處粒子濃度，HEPA級效率從95~99.999%通過0.3um。

濾材： 濾材由超細高密度之玻璃纖維所製成，此濾材耐水且耐溫至攝氏500度，連續性摺型提供高比率之濾材面積，濾網濾材均被特殊密封劑密封，確保濾材四周氣密。

外框： 框材可選用木框、鍍鋅鐵框、鋁框或不銹鋼框。可選擇箱型、單法蘭和雙法蘭。濾網前後兩側可提供加裝金屬護網。



High Efficiency Particulate Air Filter Performance Data-Deep Pleat Type

高效率濾網性能表-隔板型濾網

Efficiency	Nominal Size	Actual Size	Rated Capacity	Pressure Drop	
效率 (%)	通稱尺寸 (W*H*D) (inch)	實際尺寸 (W*H*D) (mm)	額定風量 (CMH)	壓力損失 (Pa)	
				Initial Resistance 初壓損	Final Resistance 末壓損
Standard Capacity 標準風量					
95	12*24*6	305*610*150	850	150	374
	24*24*6	610*610*150	1700		
	12*24*12	305*610*292	1700	237	500
	24*24*12	610*610*292	3400		
99.97 99.99	12*24*6	305*610*150	600	250	500
	24*24*6	610*610*150	1200		
	24*48*6	610*1220*150	2380		
	12*24*12	305*610*292	950		
	24*24*12	610*610*292	1900		
High Capacity 高風量					
99.97	12*24*12	305*610*292	1700	336	500
99.99	24*24*12	610*610*292	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	Ultra-Fine Glass Fiber 超細玻璃纖維濾紙	
	Support Grid 支撐材	Corrugated Aluminum Separators 波浪隔板	
	Sealant 密封膠	PU BASE	
	Gasket Material 墊片材質	Neoprene Rubber 新平橡膠	
	Frame Material 外框材質	Wooden Frame 木框	Metal Frame 金屬框
	Frame Type 外框型式	Box Type 箱型	Single Header 單法蘭
Service Conditions 使用條件	The maximum continuous use temperature 連續使用最高溫度	°C	60
	Instant Highest Humidity 使用瞬間最高濕度	% RH	100 (No condensation state) 100 (無結露狀態下)