



- ※ NO Boron, Low Off Gassing
- ※ Low Presser Drop
- ※ High Mechanical Strength

高效率及超高效濾網濾網—平板型—PTFE (Teflon) < HEPA / ULPA >

High Efficiency Particulate Air Filter (HEPA/ULPA)
– Mini Pleat Panel Type – PTFE

Testing Method 測試方法	Particle Size 粒徑	Efficiency (%) 效率
	0.3um	99.99% 99.999%
	0.1-0.2um	0.1-0.2um
European Standard EN1822		

Features:

Mini Pleat Panel type PTFE filter is no boron, low pressure drop, no chemical substance release and high-strength material, also provide a variety of configuration. AIRREX Mini Pleat Panel PTFE filter is designed for the clean room, workstations and benches FFU use.

Efficiency:

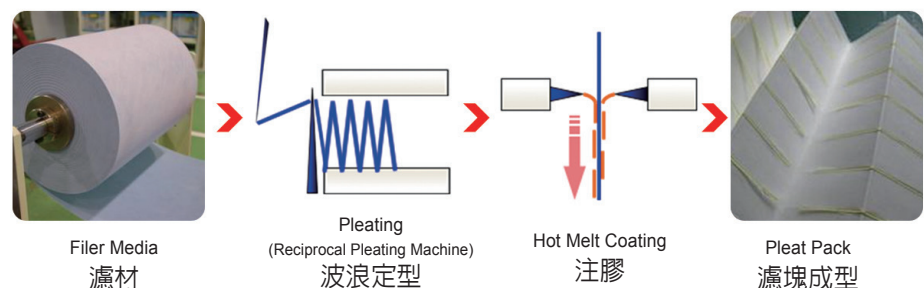
HEPA Mini Pleat Panel type PTFE filter is tested in accordance with US MIL-STD-282 (EU Standard) and EN1822. The series provide guarantee efficiency from 99.99 to 99.999% (EU12-EU14) or H10-H14 (per EN-1822 standard in MPPS Test) on 0.3 micrometer size particles HEPA filter; and 99.999% to 99.999999% or U15-U16 (per EN-1822 standard in MPPS Test) on 0.1 ~ 0.2 micrometer size particles ULPA filter.

Media:

HEPA media is made from PTFE (Teflon) fiber formed with high density papers. Use hot melting glue to replace traditional aluminum separators. Each pleat is spaced by hot-melt adhesive to allow air flow through the filter with minimum resistance. Inside of frame to be sealed by sealant to prevent filter media leakage.

Frame:

The filter media pack is permanently bonded with epoxy or PU to an anodized aluminum extruded frame or wood board frame. Aluminum extruded frame can increase strength and rigidity for corrosion resistance.



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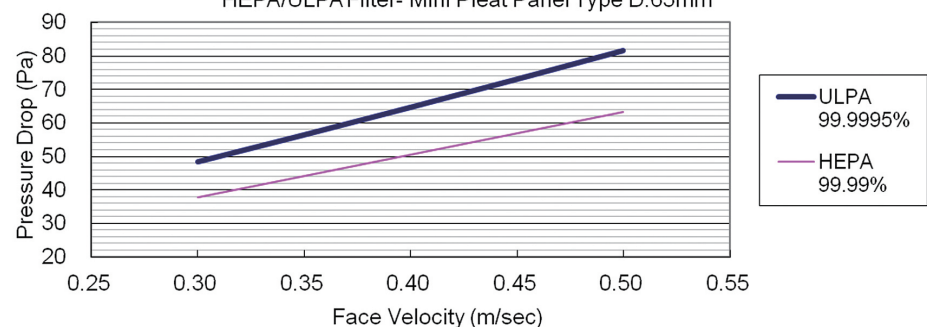
開發區良常路92號

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Face Velocity vs. Pressure Drop
HEPA/ULPA Filter- Mini Pleat Panel Type D:65mm



特色：平板型PTFE濾網不含硼、低壓損、無化學物質釋出及高強度的材質，提供多種的配置適用於無塵室、無塵工作站、無菌操作台及風車濾網組等嚴格的潔淨需求，製造符合客戶需求之終端濾網。

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99.99~99.999%通過0.3um，ULPA級效率從99.999~99.99999%通過0.1~0.2um。

濾材：濾材由PTFE（Teflon）纖維經褶疊組裝入框架內，濾紙經由熱熔膠間隔，不會釋出化學性污染到無塵室，使空氣以最低的壓損通過濾網。

外框：外框內側四周以密封膠密封，防止濾材空隙及洩漏。鋁擠外框經陽極處理增加強度及耐久的防腐性。以PU膠密封於鋁擠型框架達到完全的氣密無洩漏。

High Efficiency Filter Performance Data (HEPA/ULPA) - Mini Pleat Panel Type - PTFE 高效率及超高效率濾網性能表-平板型濾網-PTFE

Efficiency 效率 (%)	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)
99.99	24*48*3	570*1170*65	1080	57
	48*48*3	1170*1170*65	2200	57
99.9995 (5N5)	24*48*3	570*1170*65	1080	73
	48*48*3	1170*1170*65	2200	73

Material and Service Conditions
材質、使用條件

* Special Sizes are available upon request.
※ 特殊規格可生產製造。

Type 型式	Description 說明				
Construction 總成	Media 濾材	Teflon Filter Paper 鐵氟龍薄膜濾紙			
	Support Grid 支撐材	Hot Melt Adhesive 熱熔膠			
	Sealant 密封膠	PU BASE			
	Gasket Material 墊片材質	Neoprene Rubber 新平橡膠			
	Gasket Location 墊片位置	None 無	Upstream 上風	Downstream 下風	Both Sides 兩側
	Frame Type 外框類型	Gasket Type 乾式		Jel Type 濕式	
	Frame Material 外框材質	Anodized Extruded Aluminum 鋁框陽極處理			
	Face Guard Material 保護網材質	Expanded Galvanized Metal 擴張烤漆鐵網		Anodized Extruded Aluminum 擴張陽極處理鋁網	
	Face Guard Location 保護網位置	None 無	Upstream 上風	Downstream 下風	Both Sides 兩側
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)		