

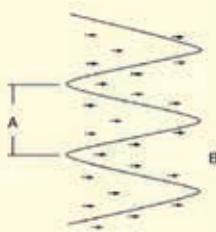
丟棄褶疊式空氣濾網

W-Pre Disposable Pleated Air Filter



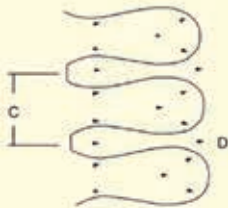
The radial wedge pleats create an air exit area(B) equals to the air entering area(A), which minimizes end losses and reduces pressure drop.

楔形狀摺疊使進氣面積(A)等於出氣面積(B)，這將使末端損失減至最低達到降低壓損效果。



Non-radial wedge pleats have unequal air exit (D) and air entering (C) areas, which cause higher resistance and uneven usage of media.

非楔形狀摺疊進氣面積(C)不等於出氣面積(D)，導致高壓損及濾材使用不均勻。



Testing Method (測試方法)	Dot Spot Efficiency (in NBS) 比色法	Arrestance (in AFI) 比重法
	30~35%	90~94%
	ASHRAE Standard 52.1-1992(Equal to EN 779)	

Features:

W-PRE radial wedge pleat is with the greatest media area exposed to the air flow which can contribute filter's dust collection capacity.

W-Pre Disposable Pleated Air Filters are available in a wide range of sizes; and with slight or without any system modification, is able to fit most commercial and industrial installations.

Only need to use gaskets and fasteners to adapt W-PRE filter to existing filter bands.

Efficiency:

Per ASHRAE 52.1-1992 standard, the filters have an average atmospheric dust spot efficiency range 30-35% (in NBS Test Method; per ASHRAE 52.2, the efficiency is MERV8) and an average arrestance of 90-94% (in AFI test method).

Media:

W-PRE filter media is a special blend of nonwoven cotton and synthetic fibers offering high dust-holding capacity and high efficiency.

Media Support Grid:

Expanded painted metal provides a flat, stable surface that allows 100% media to metal adhesion. This eliminates media damage caused by overlapping wire grids that cannot be 100% attached. Expanded painted metals give a better corrosion resistance than others.

Outer Frame:

Outer frame can be also a wide range of metal selection which is including of Paper, Galvanized Steel, Aluminum and Stainless Steel. The paper frame is constructed of high wet strength, moisture-resistant beverage board. Two mating die-cut boxes are bonded together, forming a double wall around the entire filter. Diagonal supports are designed for maximum open area while providing excellent structural stability in heavy dirt loading.

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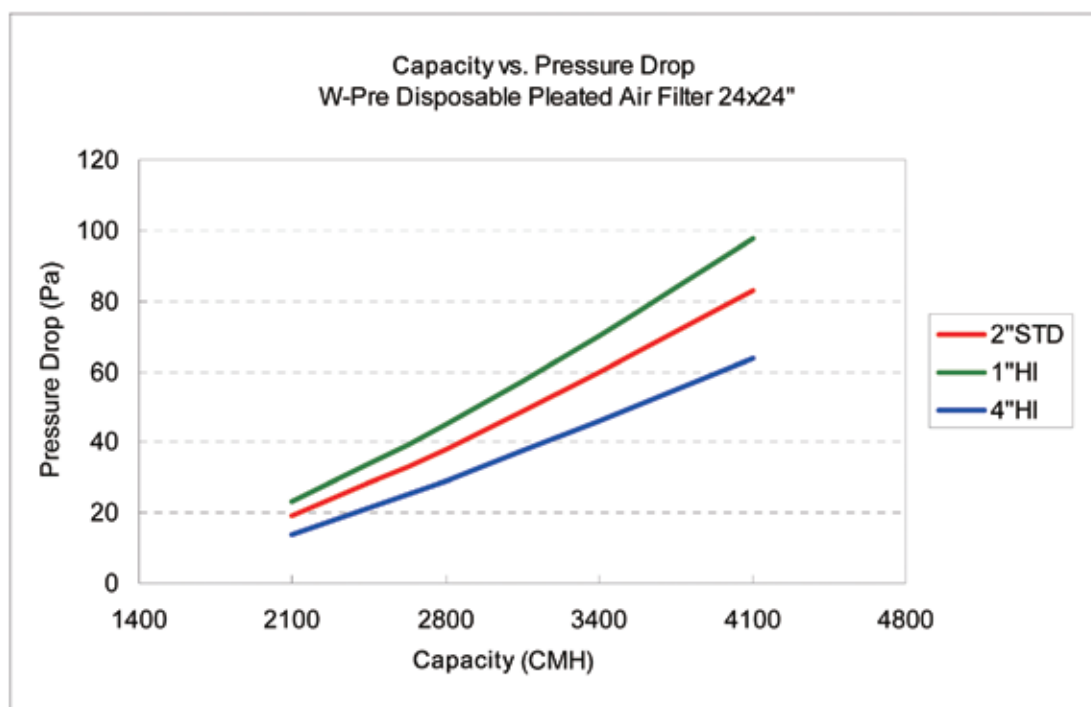
<http://www.air-rex.com.tw>

特色：楔形摺疊具最大的過濾面積，供氣流通過助長集塵能力，其於高性能及長時間之需求中被廣泛接受也適用於可變風量系統，使用扣夾，即可安裝於箱體裡。

效率：依ASHRAE 52.1-1992標準法測定，此種濾網具比色法效率30~35%，比重法效率90~94%。

濾材：濾材是由不織布棉和合成纖維經特殊混紡製成，提供高集塵量、高效率。平坦的擴張金屬網，濾材100%和鐵網貼合，披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。高耐濕紙板外框，上下兩張厚紙板貼合形成一雙壁邊框，其對角支撐設計於高集塵量下，結構堅固並擁有最大開放面積。



Performance Data - W-Pre Disposable Pleated Air Filter

初級濾網性能表 - 丟棄褶疊式空氣濾網

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)	Pressure Drop 壓力損失 (Pa)	
Dot Spot Efficiency (in NBS) 比色法	Arrestance (in AFI) 比重法				Initial Resistance 初壓損	Final Resistance 末壓損
30~35	90~94	12*24*1	289*595*22	1700	87	130
		16*25*1	390*619*22	2380		
		20*20*1	492*492*22	2380		
		20*24*1	492*595*22	2800		
		24*24*1	595*595*22	3400		
		12*24*2	289*595*45	1700	65	130
		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	50	130
		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	Special Blended of Nonwoven Cotton and Synthetic Fibers 不織布棉和合成纖維混紡	
	Frame Material 外框材質	Card Board 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	
Service Conditions 使用條件	The maximum continuous use temperature 連續使用最高溫度	°C	40
	Instant Highest Humidity 使用瞬間最高濕度	% RH	98 (No condensation state) 98 (無結露狀態下)



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