



Air Filter is the most saving space air filter (only 4" thickness).

It is thinner & lighter, but with high performance of air filtration.

Is the best choice for HVAC system.

It is ideal for new installations, as it is smaller to be able to save air handling unit's space & cost.

Testing Method 測試方法	Dot Spot Efficiency (in NBS) 比色法	Arrestance (in AFI) 比重法	MERV
	90~95%	> 99%	14
	80~85%	> 98%	13
	60~65%	> 97%	11
	ASHRAE Standard 52.1-1992 (Equal to EN 779)		ASHRAE 52.2-1999 Standard

Features:

Air Filter is made by mini-pleats to enlarge the media filtration area. Although the thickness is only 4", it can make air flow rate 2000 CFM by size 24"x24". Compare with other medium efficiency air filters, air filter has better performance in pressure drop.

Efficiency:

Per ASHRAE 52.1-1992 standard, the filters have an average atmospheric dust spot efficiency range 60-65%, 80-85% and 90-95% (in NBS Test Method); per ASHRAE 52.2, the efficiency is MERV11, MERV13 & MERV14.

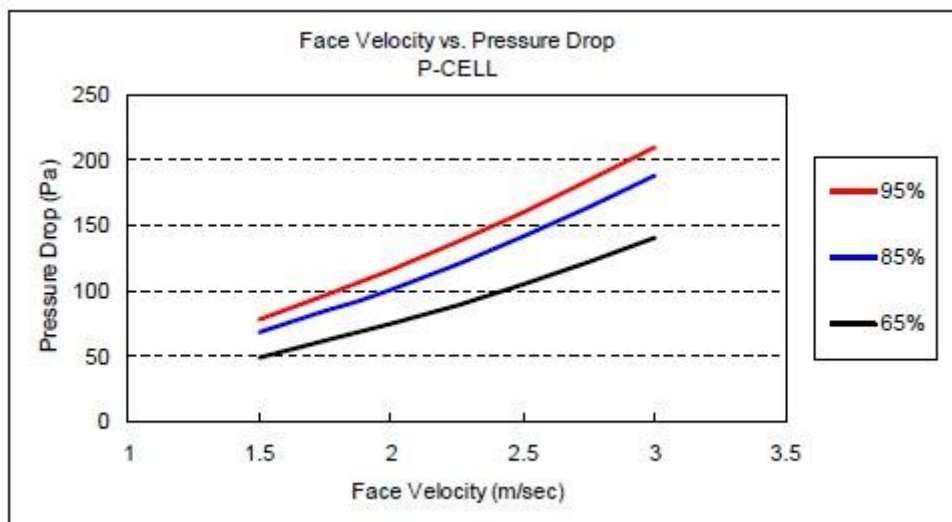
Media:

media is manufactured from Water-Resistant Glass Microfiber and Synthetic Fiber. The glass microfiber paper is formed with a dual density construction, coarser fiber is formed on the upstream and finer fiber is formed on the downstream. This structure can increase media's dust collection capacity. The Synthetic Fiber is made of meltblown microfiber offering maximum dust collection capacity.

media is pleated form the filter pack and use hot melting glue to replace the traditional aluminum separators. It is without the aluminum separators or expanded metal to support the media, but ensure the maximum air flow and minimum resistance to enhance the dust collection capacity.

Outer Frame:

The frame is available for Paper and Metal Frame (Galvanized Steel, Aluminum and Stainless Steel). Paper frame consists of two-pieces of moisture-resistant press paper. Tow press papers are bonded together to comprise a double wall frame, and the media pack is just stick closely with this double wall frame.



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
90~95	> 99	12*24*4	289*595*95	1700	169	324
		24*24*4	595*595*95	3400		
80~85	> 98	12*24*4	289*595*95	1700	147	324
		24*24*4	595*595*95	3400		
60~65	> 97	12*24*4	289*595*95	1700	100	324
		24*24*4	595*595*95	3400		

※ Special Sizes are available upon request.
 ※ 特殊規格可生備製造。