



High Efficiency Particulate Air Filter

- HI-PACK Type

Testing Method	Particle Size	Efficiency (%)
	0.3um	
		99.97%
		99.99%
		99.999%
By European Standard EN1822		

Features:

HI-PACK is a type of Continuity fold paper; it is designed for providing larger media area. Mini folding design is for extending filter's life span and decreasing pressure drop. HI-Pack type HEPA/ULPA is a new design of Airrex Air Filters. Media is made of ultra-fine fiberglass and folded into larger area and fabricated into frame. Folded filter is separated by hot melt adhesive to ensure the chemical pollution air will not release to a clean room. Air can blow through filter at a lowest pressure drop.

Efficiency:

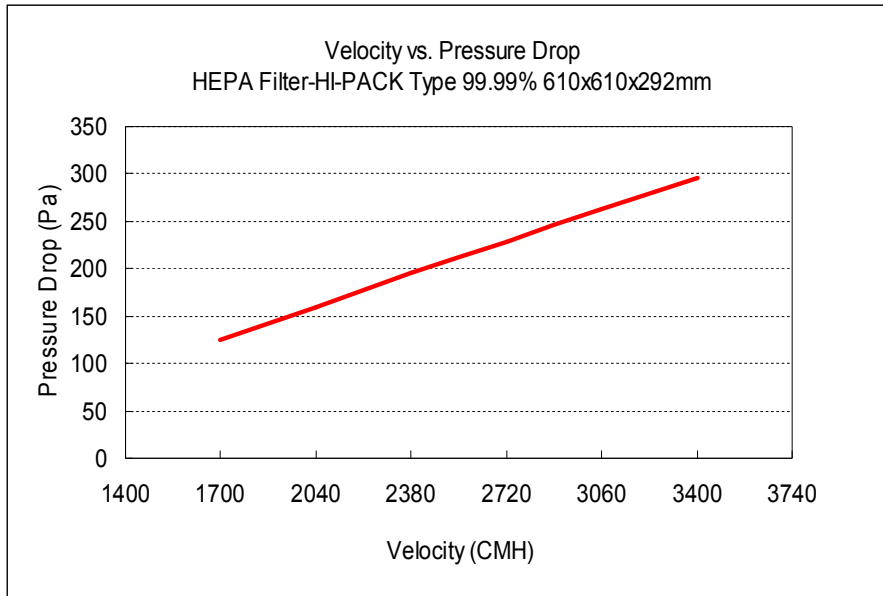
The series provide guarantee efficiency from 95%, 99.97%, 99.99% to 99.999% (EU12-EU14) or H10-H14 (per EN-1822 standard in MPPS Test) on 0.3 micrometer size particles HEPA filter.

Media:

Media is made of ultra-fine fiberglass and folded into larger area and fabricated into frame.

Frame:

The frame is available for Wooden Frame (Fire-Retardant particle Board Frame) and Metal Frame (Galvanized Steel, Aluminum and Stainless Steel) in box type, Single Header or Double Turn Type. Both edges of filter can be additionally supported by metal mesh. It can be used to replace the traditional aluminum separators filters to provide larger filtration area.



High Efficiency Filter Performance Data - HI-PACK Type

Efficiency	Nominal Size (W*H*D) (inch)	Actual Size (W*H*D) (mm)	Rated Capacity (CMH)	Pressure Drop (Pa)	
				Initial Resistance	Final Resistance
99.97 99.99	12*24*12	287*592*292	1500	300	500
	24*24*12	592*592*292	3000		
	12*24*12	305*610*292	1700		
	24*24*12	610*610*292	3400		

Material and Service Conditions

Type		Description
Construction	Media	Ultra-Fine Glass Fiber
	Support Grid	Hot Melt Adhesive
	Sealant	PU BASE
	Gasket Material	Neoprene Rubber
	Frame Material	Metal Frame
	Frame Type	Box Type Single Header
Service Conditions	The maximum continuous use temperature	°C 60
	Instant Highest Humidity	% RH 100 (No condensation state)



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