



High Efficiency Particulate Air Filter

<HEPA/ULPA> - Mini Pleat V Type

	Particle Size	Efficiency (%)
Testing Method	0.3um	95%
		99.97%
		99.99%
		99.999%
	0.1-0.2um	99.999% above
By European Standard EN1822		

Features:

- *More Effective Media Area
- *High Capacity
- *Low Resistance
- *Long Life Span

AIRREX V-HEPA or V-ULPA filter is assembled by multiple mini-pleat packs formed into six to eight pieces of V type pleat. It contains more media (up to 90%) than standard W- HEPA filter, can easily remove air contamination such as fine dust, smoke, vapor, soot, pollen, bacteria and etc. The effective media area results in greater flow capacity, lower resistance, and longer life span. With high capacity, low pressure drop & longer life span advantages, can be used to replace the traditional aluminum separators filters.

Efficiency:

All HEPA filter efficiency is tested in accordance with US MIL-STD-282 (EU Standard) and EN1822. By measuring the upstream & downstream particle concentration, 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 99.999999% or U15-U16 (per EN-1822 standard in MPPS Test) ULPA filter.

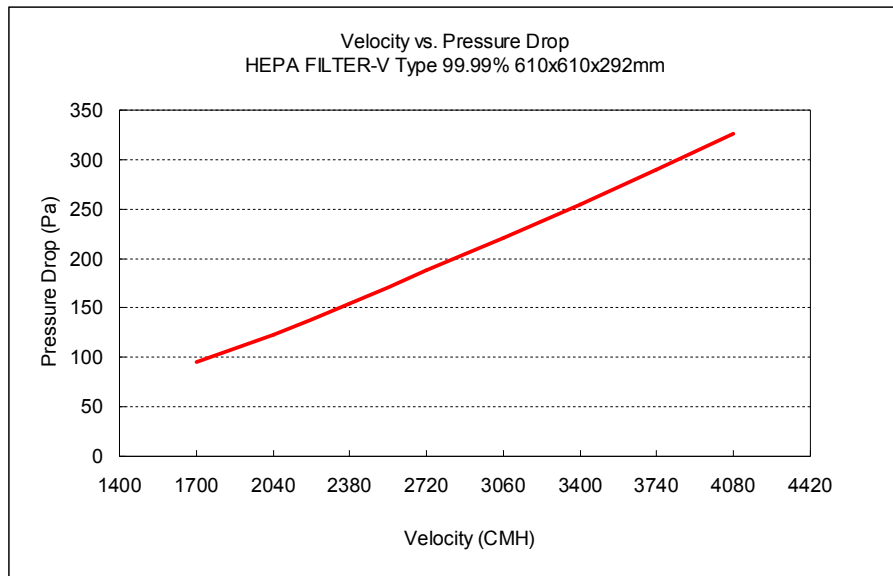
Media:

V-HEPA media is made from glass microfiber. It is water resistant and can withstand temperature up to 350 °C. Use hot melting glue to replace traditional aluminum separators.

The V-HEPA media is manufacture from glass microfiber. It is water resistance and can withstand temperature up to 350°C. The filter media is folded into mini-pleats and spaced by hot melting glue to ensure a best pleating geometry. Each media pack and frame end is completely sealed by fire-retardant epoxy, polyurethane foam or silicon sealant to ensure leakage free in a clean room.

Frame:

The frame is available for Metal Frame (Galvanized Steel, Aluminum, Particleboard and Stainless Steel) in Box Type or Header type



High Efficiency Filter Performance Data - Mini Pleat V 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	250	500
	24*24*12	592*592*292	3000		
	12*24*12	305*610*292	1700		
	24*24*12	610*610*292	3400		

*Special Sizes are available upon request.

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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