

Aero Cell V HEPA - Mini Pleat Compact HEPA Filters

AERO CELL V HEPA filters are the new generation type of high efficiency Mini-Pleat compact HEPA filters available in a wide range of efficiencies from E10 to H13. AERO CELL V HEPA filters are designed to use in HVAC installations where highest degree of air cleanliness is required. The high burst resistance, low pressure drop and high dust holding capacity offered by the filter made it an ideal filter for extreme operating conditions like Gas turbine air intake fine filtration. This filter perfectly suits the third stage filtration levels in Gas Turbines after a normal G4 pre filter and F7, F8 or F9 fine filter depending on the applications.

Aerofil Models

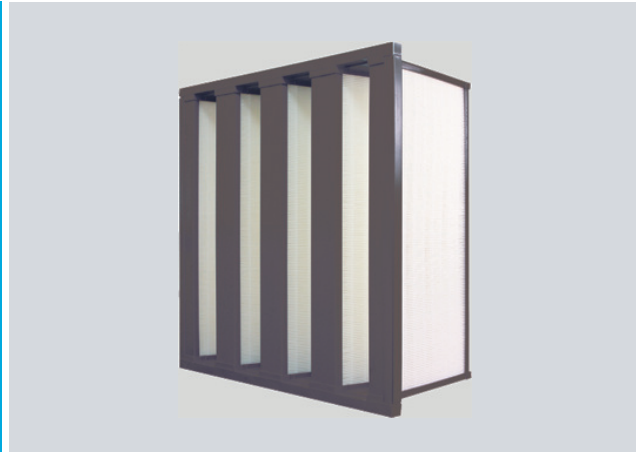
Aero Cell V HEPA

Minipleat Compact HEPA Filters

292mm frame depth

Available in 20 and 25mm headers

Single PU Foam Gasket

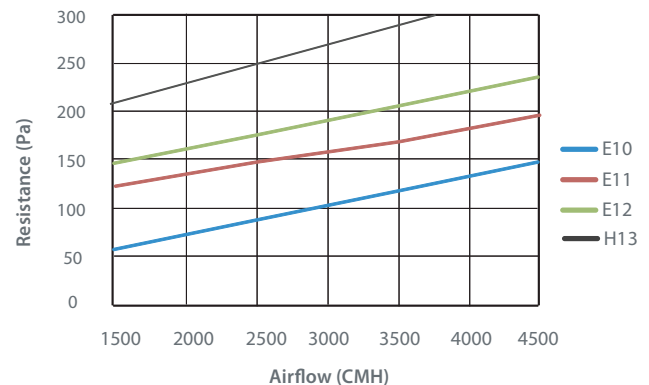


Media Features and Technical Details

AERO CELL V HEPA filters are made up of water resistant micro-fine glass fiber media closely pleated and separated using hot melt bead separators which gives a unique V configuration to the pleats and accommodates a very large quantity of filter media. The Mini-Pleated media packs are arranged in a perfect V design to an enclosing robust frame made of plastic. Filters are fully glued with polyurethane for complete air tightness. These filters come with PU Foam single piece gasket to ensure a 100% leak free installation.

The VGT model filters utilize a special grade media offering very high dust holding capacity and the mini-pleat packs are backed with an additional plastic grid support for each media panel to ensure protection during operation at harsh conditions. Filters are absolutely metal free and so are incinerable and environmentally friendly. Made in a low weight design, these filters are also perfect for humid and salt laden environments. Low energy versions featuring high media area are available.

Aero Cell V HEPA - Airflow vs. Initial Resistance



Selection Chart ▼

Efficiency EN 1822	Initial Efficiency MPPS / DOP	Model Number	Size (Inches)	Size (mm)	Airflow CMH / CFM	Initial PD Pa / IWG
E10	≥ 85% / 95%	AVH10-44-12	24 x 24 x 12	Size: 592 x 592 x 292	3400 / 2000	140 / 0.55
E10	≥ 85% / 95%	AVH10-42-12	24 x 12 x 12	Size: 592 x 287 x 292	1700 / 1000	140 / 0.55
E11	≥ 95% / 98%	AVH11-44-12	24 x 24 x 12	Size: 592 x 592 x 292	3400 / 2000	160 / 0.63
E11	≥ 95% / 98%	AVH11-42-12	24 x 12 x 12	Size: 592 x 287 x 292	1700 / 1000	160 / 0.63
E12	≥ 99.5% / 99.97%	AVH12-44-12	24 x 24 x 12	Size: 592 x 592 x 292	3400 / 2000	205 / 0.80
E12	≥ 99.5% / 99.97%	AVH12-42-12	24 x 12 x 12	Size: 592 x 287 x 292	1700 / 1000	205 / 0.80
H13	≥ 99.99% / 99.97%	AVH13-44-12	24 x 24 x 12	Size: 592 x 592 x 292	2500 / 1470	250 / 1.00
H13	≥ 99.99% / 99.97%	AVH13-42-12	24 x 12 x 12	Size: 592 x 287 x 292	1250 / 735	250 / 1.00

- Recommended Final Resistance : 600 Pa
- Static Burst Pressure (New Filter) : 5000 Pa
- Continuous Operating Temperature : 70 ° C
- Maximum Final Resistance : 800 Pa
- Dynamic Burst Pressure (New Filter) : 5000 Pa
- Recommended Relative Humidity : ≥ 100 ° C

All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notices due to the constant technical improvement.

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