

# H4V Cell - HEPA Mini Pleat Compact Filters

V HEPA GT filters are the new generation type of high efficiency Mini-Pleat compact HEPA filters available in a wide range of efficiencies from E10 to E12 based on EN1822 Test standards. DOP Ratings from 95%, 98% and 99.97%.

4V 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 pre filter and medium Efficiency MERV 13 to MERV 15 fine filter depending on the applications.

## Media Features and Technical Details

V HEPA GT 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 in a robust enclosing frame made up 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 H4V model filters utilizes 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 panels to ensure protection during operation at harsh conditions. Filters are absolutely metal free and so are incinerable and environmentally friendly. Made in a light weight design, these filters work well for humid and salt laden environments. Low energy versions featuring high media area are available.



Efficiency EN1822	Initial Efficiency MPPS / DOP	Part No.	Size Inches (Nominal)	Size Actual	Rated Airflow CFM	Initial Resistance In W.G.
E10	≥ 85% / 95%	H4VE10-4412	24 x 24 x 12	23.3 x 23.3 x 11.5	2000	0.55
E10	≥ 85% / 95%	H4VE10-4212	24 x 12 x 12	23.3 x 11.3 x 11.5	1000	0.55
E11	≥ 95% / 98%	H4VE11-4412	24 x 24 x 12	23.3 x 23.3 x 11.5	2000	0.63
E11	≥ 95% / 98%	H4VE11-4212	24 x 12 x 12	23.3 x 11.3 x 11.5	1000	0.63
E12	≥ 99.5% / 99.97%	H4VE12-4412	24 x 24 x 12	23.3 x 23.3 x 11.5	2000	0.80
E12	≥ 99.5% / 99.97%	H4VE12-4212	24 x 12 x 12	23.3 x 11.3 x 11.5	1000	0.80

- Recommended Final Resistance : 2.4" W.G.
- Maximum Final Resistance : 3.2" W.G.
- Continuous Operating Temperature : 160 ° F
- Maximum Relative Humidity : ≥ 100
- Static Burst Pressure (New Filter) : 20" W.G.
- Dynamic Burst Pressure (New Filter) : 20" W.G.

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.