

Aero HEPA HVP - Mini Pleat Plastic V Bank HEPA Filters

Aero HEPA HVP are mini pleated box style high velocity HEPA filters. These filters operate at very high velocity of 3.3 m/s and are considered the best replacements for conventional HEPA filters. This also features plastic frame construction and so is a “metal free” filter which is incinerable. HVP are available in 6V, 4V and 2V configuration ranging from ISO 15E to ISO 50H grades.

Aerofil Models

Aero HEPA HVP

Very high approach velocity
 Available in ISO 15E/H10, 25E/H11, 40H/H13, 50H/H14
 Plastic Frames
 Light weight and incinerable
 6V, 4V and 2V



MEDIA FEATURES AND TECHNICAL DETAILS

Filter Media

Aero HEPA HV filters are manufactured from continuous length superior quality micro glass fiber paper media available in various efficiencies. The filter media is moisture resistant and fire retardant. The uniform and closed pleat filter pack grants a high crossing surface to hold the very fine dusts.

Filter Frames

The standard frame construction is by food grade ABS and strong enough to withstand clamping force.

Sealant & Gaskets

The pleated media pack is encapsulated into the filter frame utilizing a two part high density fire retardant urethane elastomer. A flat profile neoprene gasket or a one-piece seamless urethane gasket is used to ensure a leak free seal to the filter housing.

Media Separators

The Mini-Pleat absolute filters Aero HEPA HVP consist of closely pleated media, positively spaced using thermosetting beads. This type of pleat separation allows optimum media utilization and offers very low pressure drops.

Filter Testing

The finished filters undergoes a thorough quality checking. They are scan tested individually to ensure a leak proof performance and each filter poses the label showing the scan test result on it. We have the testing facilities as per ISO 29463, DIN EN1822 and American Standard IEST-RP-CC001.3. Testing of filters can be done according to the customer’s request.

Selection Chart ▼

Filter Size (mm)	6V Design Airflow (CMH)			
	IPD @ 125 Pa		IPD @ 250 Pa	
ISO / EN1822	ISO15E/E10	ISO25E/E11	ISO40H/H13	ISO50H/H14
610 x 610 x 292	4000	3800	4000	3200
305 x 610 x 292	2000	1900	2000	1600
508 x 610 x 292	3330	3200	3330	2665
381 x 381 x 292	1560	1480	1560	1250
592 x 592 x 292	3740	3600	3740	2975
289 x 592 x 292	1870	1800	1870	1488

Filter Size (mm)	4V Design Airflow (CMH)			
	IPD @ 125 Pa		IPD @ 250 Pa	
ISO / EN1822	ISO15E/E10	ISO25E/E11	ISO40H/H13	ISO50H/H14
610 x 610 x 292	2890	2700	2890	2295
305 x 610 x 292	1445	1350	1445	1155
592 x 592 x 292	2550	2550	2550	2040
289 x 592 x 292	1275	1275	1275	1020
610 x 610 x 292*	1870	1670	1870	1495
305 x 610 x 292*	935	835	935	748

* - 2V design

● Final Pressure Drop - IPD x 3 ● Maximum Operating Temperature / Humidity - 90 ° C / 90% ● Maximum Pressure Drop - IPD x 4

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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