

4V BOX style - Mini Pleat Plastic V Bank Fine Filters

High to Medium efficiency 4V Box style are mini pleated high velocity filters. These filters operate at very air flow rates up to 3000 CFM and are considered the best replacements for conventional box style fine filters. This also features plastic frame construction and so is a “metal free” filter that is fully incinerable. HVP are available in 4V and 2V configuration ranging from MERV12, 13, 14 and 15. The V shaped arrangement allows more air flow per filter than a standard filter replacement and can save up to 30% on energy. Filters are light weight and its fully plastic body makes it incinerable as well.



Very high approach velocity @ 3.75 m/s (738 FPM)

Available in ISO ePM 10 65%/M6 to ISO ePM 1 85%/F9 grades. **ASHRAE 52.2 grades MERV 12, 13, 14 and 15**

Food Grade Plastic Frames

Light weight and incinerable

Available in 4V and 2V designs

MEDIA FEATURES AND TECHNICAL DETAILS

HVP 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. All Mini-Pleat fine and absolute filters HVP consist of Computer controlled spacing pleated media, using thermosetting beads. The pleat separation allows optimum media utilization and offers very low pressure drops. Mini pleated panels are arranged in a V configuration to allow maximum reception of air. They are encased in a food grade ABS frame and available in both 4V and 2V configuration for Fine particle HVP range. 2V versions are offered as an economical version or where the required face velocity is lower than 295FPM. The pleated media pack is encapsulated into the filter frame with high density fire retardant urethane. A flat profile neoprene gasket or a one-piece seamless urethane gasket is used as leak free seal to the filter housing.

Filter size (actual size)	4V Design : Air Flow Max 3000 CFM				
	Flow Rate CFM / Pressure drop In. W.G.				
ASHRAE 52.2	CFM	MERV12	MERV13	MERV 14	MERV 15
EN779		M6	F7	F8	F9
ISO 16890		ePM10 60%	ePM2.5 65%	ePM1 75%	EPM1 85%
24 x 24 x 11.5	3000	0.46	0.562	0.60	0.62
12 x 24 x 11.5	1470	0.46	0.562	0.60	0.62
23.3 x 23.3 x 11.5	2825	0.46	0.562	0.60	0.62
11.3 x 23.3 x 11.5	1412	0.46	0.562	0.60	0.62

Filter size (actual size)	2V Design : Air Flow Max 2100 CFM				
	Flow Rate CFM / Pressure drop In. W.G.				
ASHRAE 52.2	CFM	MERV12	MERV13	MERV 14	MERV 15
EN779		M6	F7	F8	F9
ISO 16890		ePM10 60%	ePM2.5 65%	ePM1 75%	EPM1 85%
24 x 24 x 11.5	2120	0.42	0.52	0.54	0.582
12 x 24 x 11.5	1060	0.42	0.52	0.54	0.582
23.3 x 23.3 x 11.5	2000	0.42	0.52	0.54	0.582
11.3 x 23.3 x 11.5	1000	0.42	0.52	0.54	0.582