



Clean Liquid Systems LLC  
20150 Kuykendahl Rd. #200  
Spring, TX 77379  
Ph: 713-253-0100  
www.cleanliquidsystems.com

## V style HEPA- Mini Pleat Plastic V Bank Filters

HEPA HVP are mini pleated box style high velocity HEPA filters. These filters operate at very high air Volume 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 5V and 4V configuration ranging from ISO 15E to ISO 50H grades.

### HEPA HVP

#### Very high approach velocity

Available in ISO 15E/E10, 25E/E11, 40H/H13, 50H/H14

Plastic Frames Light weight and incinerable

5V and 4V

#### MEDIA FEATURES AND TECHNICAL DETAILS

##### Filter Media

HEPA 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. The uniform and closed pleat filter pack provides an exceptionally high surface to hold the very fine dusts.

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

Sealant & Gaskets The pleated media pack is encapsulated into the filter frame utilizing a 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.

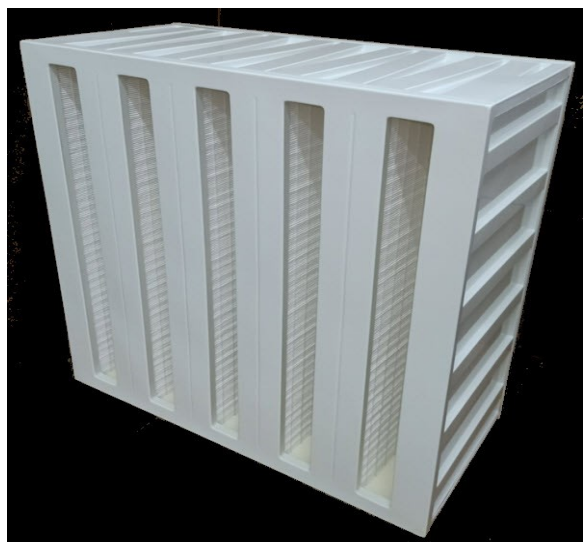
Media Separators The Mini-Pleat absolute filters HEPA HVP consist of closely pleated media, computer controlled spacing using thermosetting beads. This type of pleat separation allows optimum media utilization and offers very low pressure drops.

Filter Testing The finished filter undergoes a thorough quality check. Scan tested individually to ensure a leak proof performance and each filter is labeled showing the scan test result on it. We have the testing facilities as per ISO 29463, DIN EN1822 and American Standard IEST-RPCC001.3. Testing of filters can be done according to the customer's request.

#### 4V Design



#### NEW 5V Design





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Part No.	Filter size (actual size)	5V Design : Air Flow CFM Flow Rate CFM / Pressure drop In. W.G.			
		ISO15E/E10 95% DOP	ISO25E/E11 98% DOP	ISO40/H13 99.99%	ISO50H/H14 99.999
Corresponding Efficiency listed at end of part No.	ISO29463/ EN1822 IEST-RP-CC- 001.3				
"E" = Exact size "U" = Nominal size		CFM @ 0.50" W.G.		CFM @ 1.0" W.G.	
HEPA-5VPE4412-E10 HEPA-5VPE4412-E11 HEPA-5VPE4412-49 HEPA-5VPE4412-59	24 x 24 x 11.5	2400	2240	2400	1880
HEPA-5VPE2412-E10 HEPA-5VPE2412-E11 HEPA-5VPE2412-49 HEPA-5VPE2412-59	12 x 24 x 11.5	1200	1100	1200	950
HEPA-5VPU4412-E10 HEPA-5VPU4412-E11 HEPA-5VPU4412-49 HEPA-5VPU4412-59	23.3 x 23.3 x 11.5	2200	2120	2200	1750
HEPA-5VPU2412-E10 HEPA-5VPU2412-E11 HEPA-5VPU2412-49 HEPA-5VPU2412-49	11.3 x 23.3 x 11.5	1100	1060	1100	875



Part No.	Filter size (actual size)	4V Design : Air Flow CFM Flow Rate CFM / Pressure drop In. W.G.			
		ISO15E/E10 95% DOP	ISO25E/E11 98% DOP	ISO40/H13 99.99%	ISO50H/H14 99.999
Corresponding Efficiency listed at end of part No.	ISO29463/ EN1822 IEST-RP-CC- 001.3				
"E" = Exact size "U" = Nominal size		CFM @ 0.65" W.G.		CFM @ 1.3" W.G.	
HEPA-4VPE4412-E10 HEPA-4VPE4412-E11 HEPA-4VPE4412-49 HEPA-4VPE4412-59	24 x 24 x 11.5	2000	1900	2000	1750
HEPA-4VPE2412-E10 HEPA-4VPE2412-E11 HEPA-4VPE2412-49 HEPA-4VPE2412-59	12 x 24 x 11.5	1000	950	1000	830
HEPA-4VPU4412-E10 HEPA-4VPU4412-E11 HEPA-4VPU4412-49 HEPA-4VPU4412-59	23.3 x 23.3 x 11.5	1900	1850	1900	1700
HEPA-4VPU2412-E10 HEPA-4VPU2412-E11 HEPA-4VPU2412-49 HEPA-4VPU2412-49	11.3 x 23.3 x 11.5	900	850	900	750