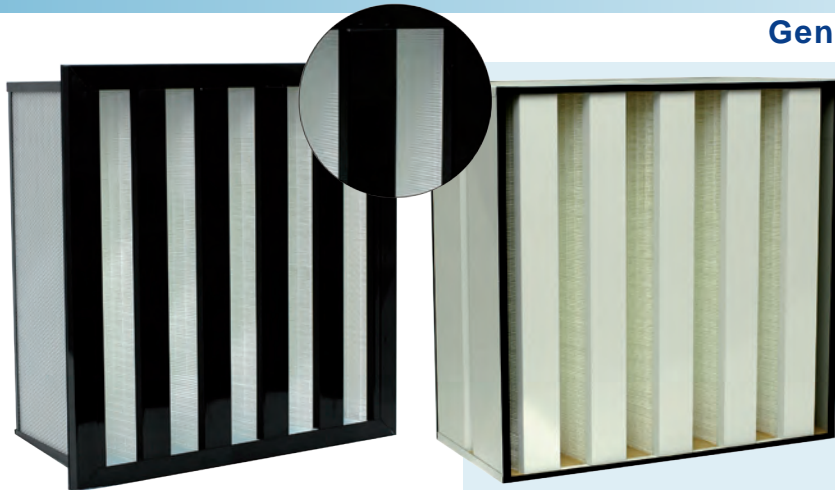


HEPA V Minipleat

Final or HEPA Filters H13 99.99% @ 0.3um



HEPA V, Minipleat, Gi, SH
Actual Size: 592 x 592 x 292mm

HEPA V Minipleat, Gi,SH
Actual Size: 610 x 610 x 292mm

General Characteristics

High Efficiency Particulate Air – HEPA V Minipleat filters are minipleat media in V-shaped construction with increased media area at lower pressure drop. They are designed to replace traditional aluminium Separator filters for longer lifespan and lower energy cost. They are used as HEPA or final filters in air filtration systems and air handling units to protect the final terminal modules clean room filters. They are used to collect most penetrating particles sizes. They are used extensively in industries such as pharmaceutical production, electronics, hospitals, clean rooms, laboratories, exhaust systems, nuclear establishments, injectable production, film production and fall-out shelters.

Specifications

Model	H4VH	H4UH
Description	HEPA V	HEPA V SH
Efficiency at 0.3um	99.99%/99.999% @ 0.3um	99.99%/99.999% @ 0.3um
Actual Filter Size	610x610x292	592x592x292
Rated Airflow cmh 610x610x292mm Rated Airflow at 2.5m/s	3400	3000
Initial Pressure Drop Pa for depth 292mm	250	280
Filter Class to EN1822	H13 or H14	H13 or H14
EN1822 MPPS Global/ Integral Efficiency	≥99.95% / 99.995%	≥99.95% / 99.995%
IEST-RP-CC-001 HEPA & ULPA Filters	Type C / Type D	Type C / Type D
IEST-RP-CC034 PAO/DOP**/PSL @ 0.3um	≥99.99% / 99.999%	≥99.99% / 99.999%

Standards for Reference
IEST-RP-CC-001.6, IEST-RP-CC034.4 PAO/P.S.L Overall Testing
99.97-99.999% at 0.3um
1. EN1822-5 for Classes H12, H13 and H14
2. IEST-RP-CC-007 Type H1/I/K
3. IEST-RP-CC-001, for TYPE A/B/C/D

Each single filter media roll used in production is systematically tested in accordance with standard EN 1822-3.
In accordance to Recommended Practice, IEST-RP-CC-001 w CC034/ EN1822-4 & 5, at the end of the production, individual filter element is locally scanned tested for leaks/penetration by using non-toxic suitable aerosol of PAO/Emery Oil/ polystyrene latex spheres (PSL) challenge by using aerosol photometer or particle counter and determining filter efficiencies. Global efficiency can also be determined measuring upstream and downstream concentration. For IEST-RP-CC-007/ EN1822-4 & 5, MPPS is determined and for rating above H12, individual filter is locally scanned tested for leaks/penetration using particle counter to determine the global efficiency. The pressure loss is also determined. The filter test results are recorded on labels and affixed onto the HEPA filter.

Performance data is based on IEST-RP-CC-001.6 and EN1822. Test methods include IEST-RP-CC034.4 HEPA & ULPA Filter leak tests, IEST-RP-CC006 Airflow, NSF49 Biosafety Cabinetry are used in conjunction. Only Quality Conformed and test report results of HEPA will be affixed with label on HEPA Filter. MPPS: Most Penetrating Particle Size at 0.1-0.2um or 0.2-0.3um, mean mass particle of 0.3um Gasket of 5mm thickness are provided downstream of filters. Optional both sides gaskets can be requested. Filter can be installed any direction depending on site, direction on label for reference
**Traditional DOP has been replaced using with other non-toxic suitable aerosols challenge like PAO/Emery Oil/PSL.

Technical Data

Filter Media

Water Repellent & Fire Retardant
Micro Fibreglass Paper
Thickness: 0.305-0.407mm
Min Tensile Strength: >0.60 kg/cm

Enclosing Frame

Galvanised Steel
Option: Black Colour for SH

Header

Box Styled (NH) for 610x610, 595x595
Single Header (SH) for 592x592

Separator

Hotmelt

Sealant

Polyurethane / Hotmelt

Gasket

Rubber at air downstream

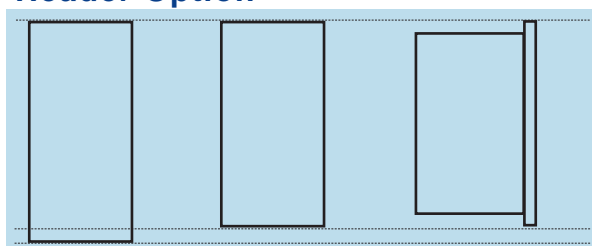
Continuous Operating Temperature 50°C
Relative Humidity 90%
Recommended Final Pressure Drop 500 Pa
Maximum Final Pressure Drop 650 Pa
Burst Pressure Drop 2500 Pa

Dimensions

Actual Size L x H x D	Rated Air Flow at 2.5m/s cmh	Media Area m ²	Weight kg	Packing per carton
mm				
610 x 610 x 292	3400	36	18.0	1
305 x 610 x 292	1700	18	9.0	2
595 x 595 x 292	3000	34	17.0	1
289 x 595 x 292	1500	17	9.0	2
592 x 592 x 292	3000	32	8.0	2
289 x 592 x 292	1500	15	5.0	2

Width and height dimensions are interchangeable

Header Option



610mm Box (NH) 595mm Box (NH) 592mm Single Header (SH)

I International
Filtration

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