



HEPA-FILTER

GLASSFIBRE V BANK-PLASTIC (HGV-P)

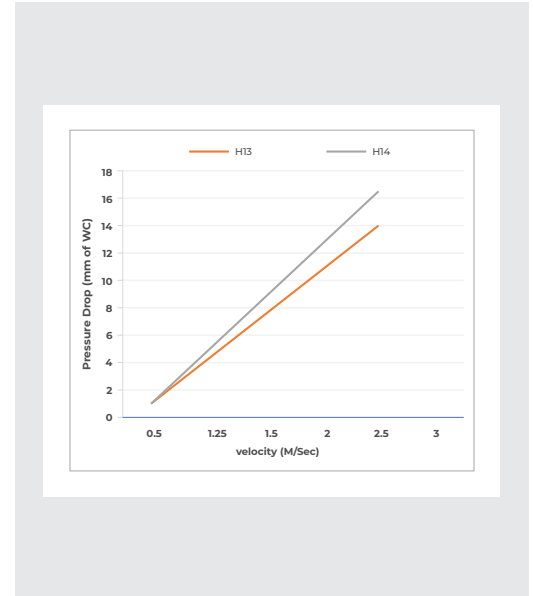
Grade: H13 & H14

EN-1822-2012/ IEST-RP-CC001.3

These HEPA filters are manufactured from high-strength plastic casings in V-shape, built on new generation high efficiency. The mini-pleated microfibre glass fiber media with hotmelt separators ensure that the filters have high filtration efficiency. The filter's shape and construct make it the best alternative to other types of filters of the same grade. Easy to install and light in weight, these filters are the best replacement to conventional filters where laminarity to airflow is not required. The filters come in standard depths of 12" with H13 & H14 filtration grades.

Filter Features

- The HGV-P series are Mini pleated filters made from continuous length superior quality micro fine glass fiber media in ridged V shape plastic frames.
- Mainly used in highly regulated air quality industries and facilities as operation rooms, clean rooms and sensitive manufacturing processes with a demand of Very high burst resistance, high velocities and extreme operating conditions like Gas turbine air intake fine filtration etc.
- Highly resistant to fire and moisture, available in grades H13 & H14.
- Compact and light weight design.
- Larger surface area and low initial resistance makes it an Ideal alternative to ordinary Bag filters & Box type filters of the similar efficiencies.
- Each individual filter is tested for its particulate filtering efficiency as per EN-1822-2012/ IEST-RP-CC001.3.
- Test certificate is provided for each filter.
- HGV-P series are available in various grades, sizes & installation options to fit almost any customer requirement.



Technical Specifications

| | |
|---|--|
| Filters Grade | EN1822 Class: H13, H14 @0.3µm |
| Type | V-Bank Mini Pleated Compact Filter |
| Frame | Plastic |
| Frame Construction Type | V-Bank single side flange casing |
| Media | Micro Fine Glass Fiber |
| Sealant | Polyurethane |
| Final Pressure Drop | 1000 Pa |
| Temperature Max | 70°C Maximum In Continuous Service |
| Non-Flammability Class | F1 (DIN 53438) |
| Humidity | ≤100 % RH |
| Gasket | Neoprene |
| Separator | Hotmelt |
| Installation Options | Front And Side Access Filter Housings |
| Optional Guard Mesh | Aluminium Expanded/MS Powder Coated expanded |
| Filters Testing In Accordance With | EN-1822-2012/ IEST-RP-CC001.3 |
| Filter Depth available in | 292 mm |



Selection Chart

(Order as per model no.)

| Order no. | HGV-P | | A | B | C | D | E | F | G | I | J | K | L |
|-------------|-------|--|----|----|----|----|---|---|---|---|---|---|---|
| Example no. | HGV-P | | 13 | VB | 25 | 17 | V | P | H | 1 | 0 | 1 | M |

| Grade | A | TYPE | B | SIZE | C | DEPTH | D | Frame Construction Type | E | MOC | F | SEPARATOR | G | GASKET | I | TEMP. | J | GUARD MESH | K | GAURD MESH MATERIAL | L |
|-------|----|--------|----|---------|----|-------|----|-------------------------|---|---------|---|-----------|---|--------------|---|-----------|---|------------|---|---------------------------|---|
| H13 | 13 | V-BANK | VB | 287X592 | 25 | 292 | 17 | V- BANK | V | PLASTIC | P | Hotmelt | H | At Air Inlet | 1 | Upto 70°C | 0 | One side | 1 | Aluminium Expanded | M |
| H14 | 14 | | | 592X592 | 55 | | | | | | | | | | | | | Both side | 2 | MS Powder Coated expanded | A |

| Filter Class As per EN1822 | | | H13 | H14 |
|---|---------------------------|----------------------|---|-----------|
| Initial Efficiency test with MPPS in % | | | ≥99.95% | ≥99.995% |
| Initial Efficiency test with Aerosol Particle size 0.3 microns in % | | | ≥99.995% | ≥99.9995% |
| W x L x D (mm) | Rated Face Velocity (m/s) | Rated Air Flow (CMH) | Initial Pressure Drop (Mm Of Wc) @ Rated Air Flow | |
| 287 x 592 x 292 | 2.5 | 1700 | 14.0 | 16.5 |
| 592 x 592 x 292 | 2.5 | 3400 | 14.0 | 16.5 |

For any customized filter, please contact us.

Applications:



**PHARMA
INDUSTRY**



**FOOD
PROCESSING
UNIT**



**GAS
TURBINE**



**OPERATION
ROOM**



**POWER
PLANT**

NIKHTISH ENGINEERING PVT LIMITED

Founded in 2008, is India's leading manufacturer and distributor of CBRNE Filtration Systems, Air Filters & Clean Room Validation Services. We cater to industries, namely, Pharmaceutical, Automotive, Hospitality, Dairy, Food & Beverage, Biotech, Defence, and Nuclear power plants.

An equal opportunity employer Nikhtish focuses on consistent innovation & development, especially CBRNE (Chemical, Biological, Radioactive Nuclear & Explosives) air filtration systems, and filters while ensuring quality. The manufacturing facility has been ISO 9001 compliant since 2012, and the products are tested by Standards Institute of Israel continuously in their state-of-the-art facility around the year as part of quality assurance.

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