



HEPA-FILTER

GLASSFIBRE MINI PLEAT- HOODED (HGM-H)

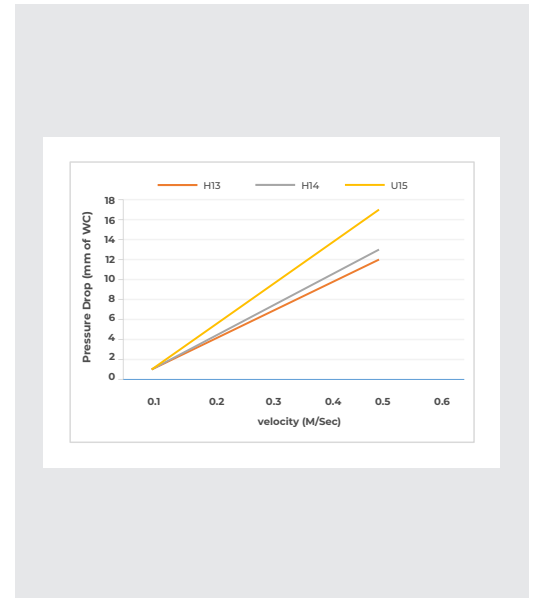
Grade: H13 to U15

EN-1822-2012/ IEST-RPCC001.3

Our high-efficiency particulate hooded air filters made of Aluminium Extruded frame Anodised/ powder coated with hood are new generation high efficiency mini-pleat microfibre glass fiber media with hotmelt separators. The filtration grades range from H13 to U15, and the hooded filters are available in depths 85mm & 110mm with suitable media pleat packs to cater to customer requirements. The expanded metal grills on bottom side of the filter offer increased strength and, more importantly, act as a faceguard to avoid damages during handling and installation. Each filter is tested for efficiency as per EN 1822 and provided with a test certificate.

Filter Features

- The HGM-H series are Mini pleated filters made from continuous length superior quality micro fine glass fibre media in rigid & non-corrosive Aluminium extrusion.
- Mainly used in highly regulated air quality industries and facilities such as operation rooms, clean rooms and sensitive manufacturing processes.
- Aluminum constructed low leakage diffuser plate & round duct/ butterfly damper in available size 8"/10".
- Room side access for servicing, DOP+Pressure Drop testing, damper adjustment & replacement of hooded HEPA filter is fast & clean minimizing process down time.
- Highly resistant to fire and moisture, available in grades H13 to U15.
- Each individual filter is tested for its particulate filtering efficiency as per EN-1822-2012/ IEST-RPCC001.3.
- Test certificate is provided for each filter.
- HGM-H series are available in various grades, sizes & installation options to fit almost any customer requirement.



Technical Specifications

Filters Grade	EN1822 Class: H13, H14, U15@0.3µm
Type	Box type Minipleates filter
Frame	Aluminium extruded
Frame Construction Type	Box
Media	Micro Fine Glass Fiber
Sealant	Polyurethane
Final Pressure Drop	450 Pa
Temperature Max	70°C Maximum In Continuous Service
Non-Flammability Class	F1 (DIN 53438)
Humidity	≤100 % RH
Gasket	NA
Separator	Hotmelt separator
Installation Options	Front And Side Access Filter Housings
Optional Guard Mesh	Aluminium Expanded / MS Powder Coated Expanded
Filters Testing In Accordance	EN-1822-2012/ IEST-RP-CC001.3
Filter Depth available in	85 mm & 110 mm



Selection Chart

(Order as per model no.)

Order no.	HGM-H	A	B	C	D	E	F	G	J	K	L	O
Example no.	HGM-H	13	MP	44	48	B	A	H	0	1	M	C

Grade	A	TYPE	B	SIZE	C	DEPTH	D	Frame Construction Type	E	MOC	F	SEPARATOR	G	TEMP.	J	GUARD MESH	K	GAURD MESH MATERIAL	L	DAMPER TYPE	O
H13	13	Minipleat	MP	305 X 305	33	45 Vs 85	48	Box	B	Aluminium Extruded	A	Hotmelt	H	Upto 70°C	0	Single side	1	MS Powder Coated expanded	M	Round butterfly	C
H14	14			457 X 457	44	65 Vs 110	61											Aluminium expanded	A	Round Duct	H
U15	15			610 X 305	63																
				610 X 610	66																
				915 X 610	96																
				1220 X 610	26																

Filter Class As per EN1822	H13	H14	U15
Initial Efficiency test with MPPS in %	≥99.95%	≥99.995%	≥99.9995%
Initial Efficiency test with Aerosol Particle size 0.3 microns in %	≥99.995%	≥99.9995%	≥99.99995%
W x L x D (mm)	Rated Face Velocity (m/s)	Rated Air Flow (CMH)	INITIAL PRESSURE DROP (MM OF WC) @ RATED AIR FLOW
305 x 305 x 85	0.5	170	12.0 12.5 17.0
457 x 457 x 85	0.5	375	12.0 12.5 17.0
610 x 305 x 85	0.5	340	12.0 12.5 17.0
610 x 610 x 85	0.5	170	12.0 12.5 17.0
915 x 610 x 85	0.5	375	12.0 12.5 17.0
610 x 1200 x 85	0.5	340	12.0 12.5 17.0
305 x 305 x 110	0.5	170	9.0 9.6 12.0
457 x 457 x 110	0.5	375	9.0 9.6 12.0
610 x 305 x 110	0.5	340	9.0 9.6 12.0
610 x 610 x 110	0.5	170	9.0 9.6 12.0
915 x 610 x 110	0.5	375	9.0 9.6 12.0
610 x 1200 x 110	0.5	340	9.0 9.6 12.0

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.

Contact Us:

Phone : +91-7722008853

Email : sales@nikhtish.com

Address : Nikhtish Engineering Pvt.Ltd, 78/1/1,
Kamthe Estate, Aditya hotel lane,
Shivane, Pune - 411023.

