

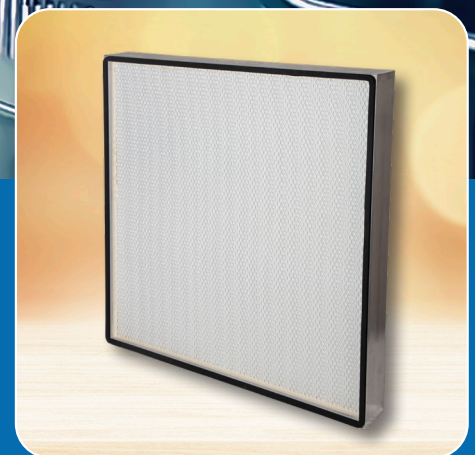


HEPA-FILTER

GLASSFIBRE MINI PLEAT (HGM)

Grade: H13 to U15

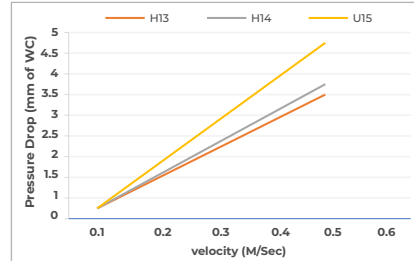
EN-1822-2012/ IEST-RP-CC001.3



Our high-efficiency particulate Air filters made of Anodised Aluminium Extruded frame are new generation high efficiency mini-pleat microfine glass fiber media with hotmelt separators. The filtration grades range from H13 to U15, and the filters are available in various depths from 2" to 5" with suitable media pleat packs to cater to customer requirements. The expanded metal grills on both sides 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 series are Mini pleated filters made from continuous length superior quality micro fine glass fibre media in rigid & non-corrosive frames.
- Mainly used in highly regulated air quality industries and facilities as operation rooms, clean rooms and sensitive manufacturing processes.
- Highly resistant to fire and moisture, available in grades H13 to U15.
- High velocity airflow & low pressure drop.
- 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.
- HGM series are available in various grades, sizes & installation options to fit almost any customer requirement.



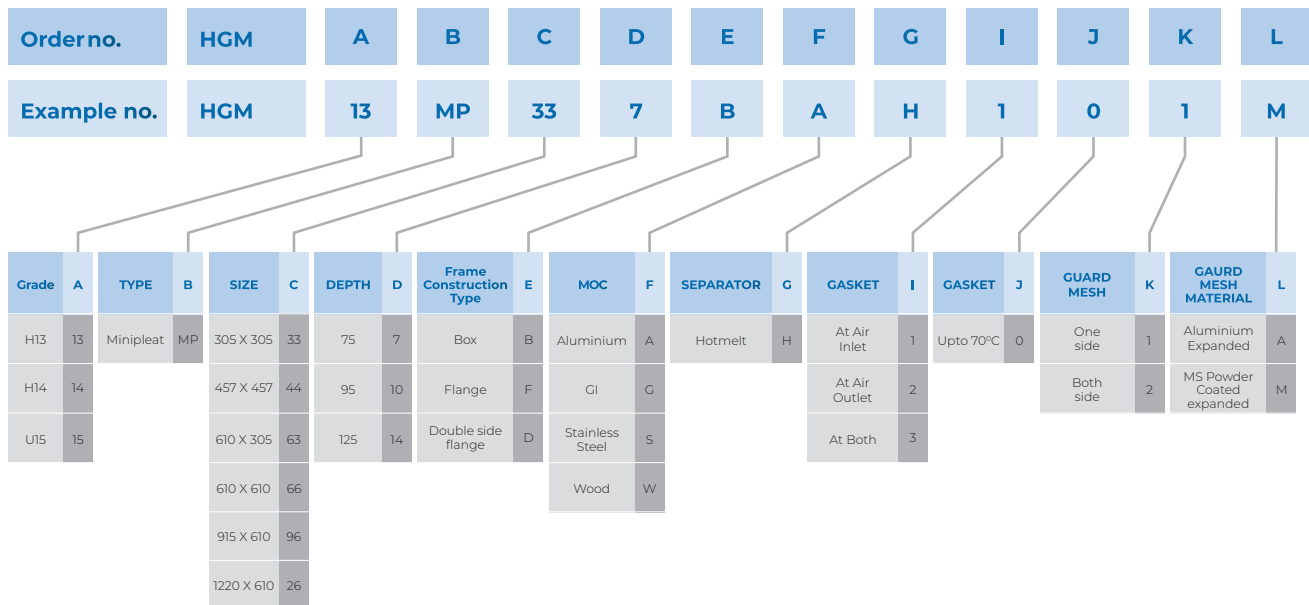
Technical Specifications

Filters Grade	EN1822 Class: H13, H14, U15@0.3µm
Type	Glass Fibre Minipleated filter
Frame	Aluminium extruded/Galvanized iron/Stainless steel/Wood
Frame Construction Type	Box / One side Flange/Double Side Flange
Media	Micro Fine Glass Fibre
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	Neoprene
Separator	Hotmelt
Installation Options	Front And Side Access Filter Housings
Optional Guard Mesh	Aluminium Expanded Mesh/ MS Powder Coated Expanded
Filters Testing In Accordance	EN-1822-2012/ IEST-RP-CC001.3
Filter Depth available in	75mm, 95mm, 125mm



Selection Chart

(Order as per model no.)



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 75	0.5	170	12.0	12.5	17.0
305 x 305 x 95	0.5	170	9.0	9.6	12.0
305 x 305 x 125	0.5	170	7.0	7.5	10.5
457 x 457 x 75	0.5	375	12.0	12.5	17.0
457 x 457 x 95	0.5	375	9.0	9.6	12.0
457 x 457 x 125	0.5	375	7.0	7.5	10.5
610 x 305 x 75	0.5	340	12.0	12.5	17.0
610 x 305 x 95	0.5	340	9.0	9.6	12.0
610 x 305 x 125	0.5	340	7.0	7.5	10.5
610 x 610 x 75	0.5	680	12.0	12.5	17.0
610 x 610 x 95	0.5	680	9.0	9.6	12.0
610 x 610 x 125	0.5	680	7.0	7.5	10.5
915 x 610 x 75	0.5	1000	12.0	12.5	17.0
915 x 610 x 95	0.5	1000	9.0	9.6	12.0
915 x 610 x 125	0.5	1000	7.0	7.5	10.5
1220 x 610 x 75	0.5	1340	12.0	12.5	17.0
1220 x 610 x 95	0.5	1340	9.0	9.6	12.0
1220 x 610 x 125	0.5	1340	7.0	7.5	10.5

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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