

# HEPA-FILTER

## GLASSFIBRE MINI PLEAT-GEL SEAL (HGM-G)

Grade: H13 to U15

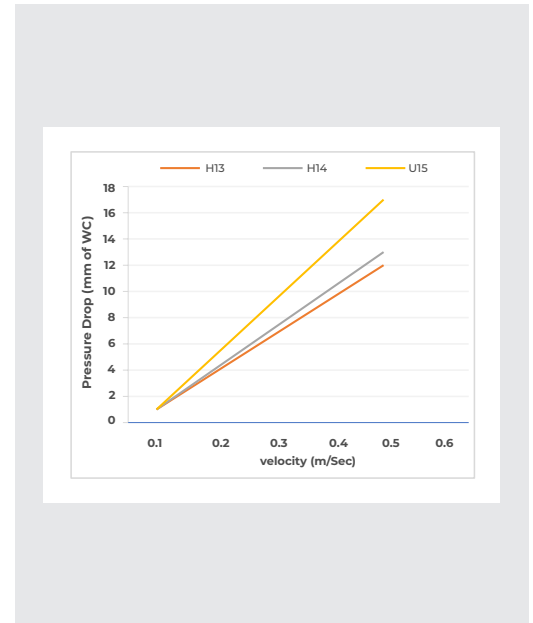
EN-1822-2012/ IEST-RP-CC001.3

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These are GlassFibre mini pleat hepa (HGM) filters that have Gelatinous (Gel) compound in a continuous channel in place of the gasket. The seal shall be effected by means of a continuous knife edge on the sealing surface of the holding case that mates into the continuous channel (containing the GEL) on the case of the HEPA filter. . The filtration grades range from H13 to U15. The filters are available in various depths from 2" to 5" with suitable media pleat packs to cater to varied flow requirements of customers. The filters have expanded metal grilles on both sides that offer higher strength and act as faceguard to avoid damages during handling and installation. Each individual filter is tested for efficiency as per EN 1822 and supplied with a test certificate.

## Filter Features

- The HGM-G series are Mini pleated filters made from continuous length superior quality micro fine glass fiber media in ridged Aluminum frames with a gel seal.
- 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-G series are available in various grades, sizes & installation options to fit almost any customer requirement.



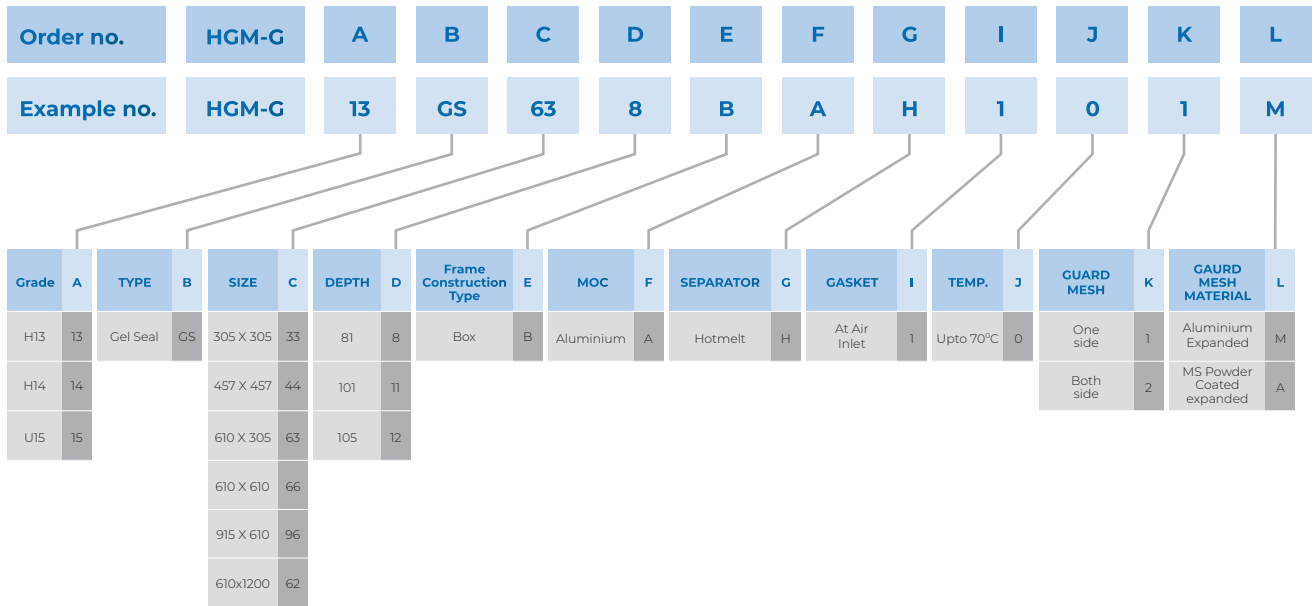
## Technical Specifications

<b>Filters Grade</b>	<b>EN1822 Class: H13, H14, U15, @0.3µm</b>
<b>Type</b>	BOX Type Minipleat Filter
<b>Frame</b>	Aluminium Extruded
<b>Frame Construction Type</b>	Box
<b>Media</b>	Micro Fine Glass Fibre
<b>Sealant</b>	Polyurethane
<b>Final Pressure Drop</b>	450 Pa
<b>Temperature Max</b>	70°C Maximum In Continuous Service
<b>Non-Flammability Class</b>	F1 (DIN 53438)
<b>Humidity</b>	≤100 % RH
<b>Gasket</b>	Gel Seal-Silicon Based
<b>Separator</b>	Hotmelt
<b>Installation Options</b>	Front Access Filter Housings /Top sided for terminal filter housings
<b>Optional Guard Mesh</b>	Aluminium Expanded/MS Powder Coated expanded
<b>Filters Testing In Accordance</b>	EN-1822-2012/ IEST-RP-CC001.3
<b>Filter Depth available in</b>	81mm, 101mm, 105mm, 131mm



# 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 81	0.5	170	12.0
457 x 457 x 81	0.5	375	12.0
610 x 305 x 81	0.5	340	12.0
610 x 610 x 81	0.5	680	12.0
915 x 610 x 81	0.5	1000	12.0
610 x 1200 x 81	0.5	1340	12.0
305 x 305 x 101	0.5	170	9.0
457 x 457 x 101	0.5	375	9.0
610 x 305 x 101	0.5	340	9.0
610 x 610 x 101	0.5	680	9.0
915 x 610 x 101	0.5	1000	9.0
610 x 1200 x 101	0.5	1340	9.0
305 x 305 x 105	0.5	170	9.0
457 x 457 x 105	0.5	375	9.0
610 x 305 x 105	0.5	340	9.0
610 x 610 x 105	0.5	680	9.0
915 x 610 x 105	0.5	1000	9.0
610 x 1200 x 105	0.5	1340	9.0

For any customized filter, please contact us.

## Applications:



PHARMA INDUSTRY



FOOD PROCESSING UNIT



GAS TURBINE



OPERATION ROOM



POWER PLANT

# NIKHTISH ENGINEERING PVT LIMITED

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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:

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