



HEPA-FILTER

GLASSFIBRE DEEP PLEAT (HGD)

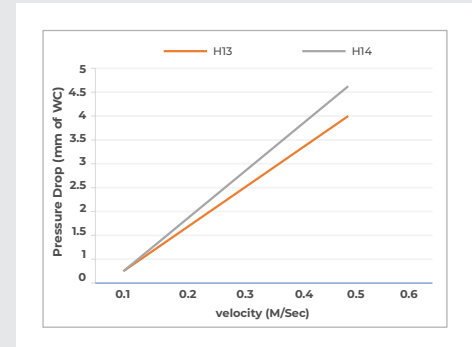
Grade: H13 & H14

EN-1822:2012/TEST-RP-CC001.3

The high-efficiency Particulate Air filters are manufactured from high strength Anodised Aluminium frame with deep-pleat micro-fine glass fiber media and corrugated metal separators. The filters with optional expanded metal grills on both sides offer enhanced strength and 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. The filtration grades are H13 & H14 and are available in 2 standard depths of 6" & 12" with suitable media pleat packs to cater to the varied flow requirements of customers.

Filter Features

- The HGD series are filters made from continuous length superior quality micro fine glass fibre media with aluminum separators in deep pleated style, allowing high air flow and low pressure drop.
- 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 & H14.
- 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.
- HGD series are available in various grades, sizes & installation options to fit almost any customer requirement.



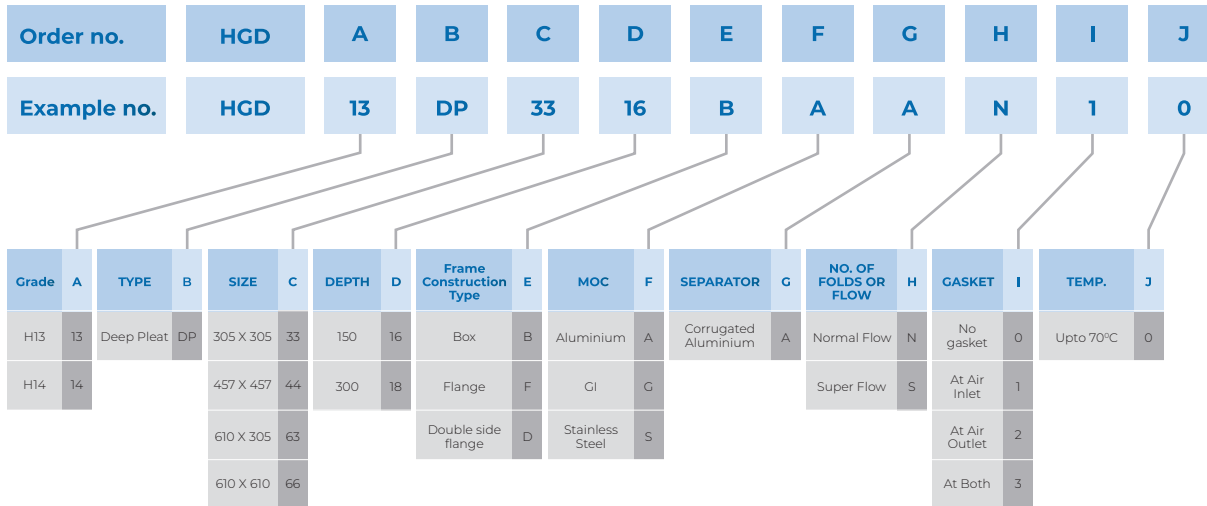
Technical Specifications

Filters Grade	EN1822 Class: H13, H14 @0.3µm
Type	Micro Glass Fibre Deep Pleated Compact Filter
Frame	Aluminium/Galvanized iron/Stainless steel
Frame Construction Type	Box / One side Flange/Double Side Flange
Media	Micro Fine Glass Fibre
Sealant	Polyurethane
Final Pressure Drop	500 Pa
Temperature Max	70°C Maximum In Continuous Service
Humidity	≤100 % RH
Non-Flammability Class	F1 (DIN 53438)
Gasket	Neoprene
Separator	Corrugated Aluminium
Installation Options	Front Access Filter Housings
Optional Guard Mesh	NA
Filters Testing In Accordance	EN-1822-2012/ IEST-RP-CC001.3
Filter Depth available in	150mm, 300mm



Selection Chart

(Order as per model no.)



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		
NORMAL FLOW FILTERS –NF SERIES					
305 x 305 x 150	0.75	250	14.0		
305 x 305 x 300	1.25	500	14.0		
457 x 457 x 150	0.75	580	14.0		
457 x 457 x 300	1.25	950	14.0		
610 x 305 x 150	0.75	500	14.0		
610 x 305 x 300	1.25	850	14.0		
610 x 610 x 150	0.75	1000	14.0		
610 x 610 x 300	1.25	1700	14.0		
NORMAL FLOW FILTERS –NF SERIES					
305 x 305 x 150	1.25	500	14.0		
305 x 305 x 300	2.5	850	14.0		
457 x 457 x 150	1.25	950	14.0		
457 x 457 x 300	2.5	1900	14.0		
610 x 305 x 150	1.25	850	14.0		
610 x 305 x 300	2.5	1700	14.0		
610 x 610 x 150	1.25	1700	14.0		
610 x 610 x 300	2.5	3400	14.0		

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.

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