

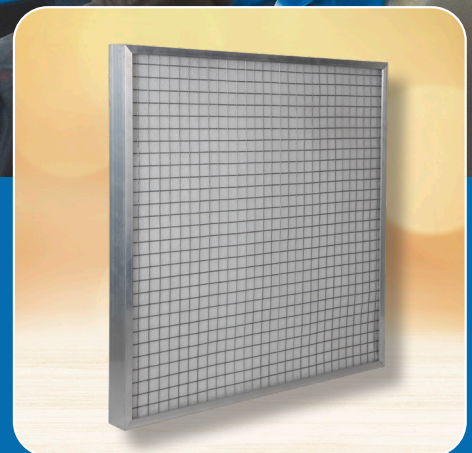


PRE-FILTER

GLASS FIBRE PAD (PGP)

Grade: G3 OR MERV 5, 6

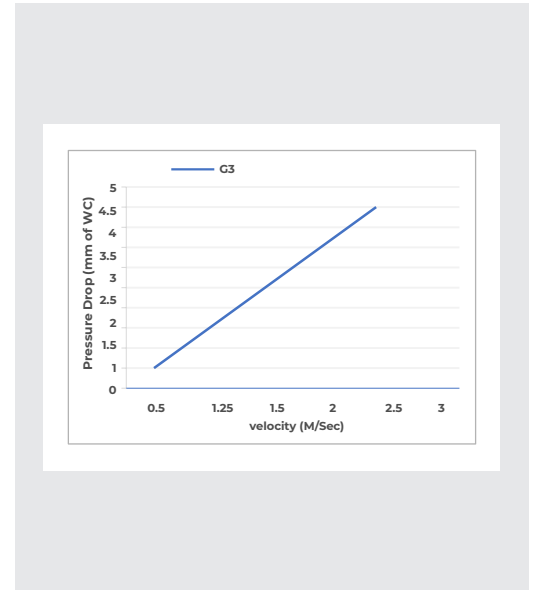
ISO EN779-2012 / ISO 16890 / ASHRAE 52.2-2017



These are cleanable/ washable panel filters made from rigid non-corrosive metal frames with progressive glass fiber non-woven media. Aligned with a heavy-duty metal grid, a permanent one on the air exit side, and a removable one on the air entry side, replacement of the filter media pad becomes economical for the clients. The filters have the edge over the competition because of their high dust holding capacity. The panel filters are available in depths ranging from 1" to 4" depending on the filter face velocity.

Filter Features

- The PGP series are cleanable air filters made from non woven progressive fibreglass medium in rigid non-corrosive metal frame.
- The filter has a fixed heavy duty metal grid on air outlet side and removable grid on air entry side to allow replacement of filter media pad.
- Mainly used to absorb excess particles during paint spraying or to absorb oil mist released during cooking in kitchens, very economical due to higher final pressure drop.
- Filter grade G3 OR MERV 5,6.
- Tested in accordance to EN779-2012 / ISO 16890 / ASHRAE 52.2-2017.
- High velocity airflow & low pressure drop
- PGP series available in various sizes & installation options to fit almost any customer requirements.



Technical Specifications

Filters Grade	EN779 class: G3 EUROVENT3 class: EU3, MERV 5,6
Type	Pad Panel
Frame	Aluminium/Galvanized iron/Stainless steel/Cardboard
Media	Fibre Glass media with progressive structure
Rated Average Arrestance (%)	84%-95% (ASHRAE52.1, EN779)
Final Pressure Drop	250 Pa
Temperature Max	120°C maximum in continuous service
Non-flammability class	F1 (DIN 53438)
Humidity	≤100 % RH
Gasket	Neoprene
Separator	NA
Maximum Air Flow	15% more than rated capacity
Installation Options	Front and side access filter housings
Guard mesh	GI sq.weld mesh/SS sq weld mesh
Filters Sizes in	1"/25mm, 2"/48mm, 3"/70mm and 4"/90mm depths
Filters Testing In Accordance	EN779-2012/ ISO16890/ASHRAE 52.2-2017



Selection Chart

(Order as per model no.)

Order no.	PGP	A	B	C	D	E	F	G	I	J	K	L
Example no.	PGP	3	FGP	33	02	B	A	0	1	1	2	G

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
G3	3	FIBER GLASS MEDIA WITH PROGRESSIVE STRUCTURE	FGP	305X305	33	25	1	Box	B	Aluminium	A	NA	0	No gasket	0	Upto 120°C	0	Both Side	2	GI Sq. Weld mesh	G
				610X610	66	48	2			GI	G			At Air Inlet	1					SS 304 Sq. Weld mesh	S
						70	3			Stainless Steel	S			At Air Outlet	2						
						90	4			Cardboard	C			At both	3						

Filter Class As per EN779	G3/MERV 5,6		
Filter Class as per Eurovent 4/5	EU3		
Average dust arrestance ≥ 10.0 microns	$80\% \leq Am < 90\%$		
Average dust spot efficiency in %	20%-25%		
W x L x D (mm)	Rated Face Velocity (m/s)	No. Of Pockets	INITIAL PRESSURE DROP (MM OF WC) @ RATED AIR FLOW
305 x 305 x 25	2.5	1000	2.5
610 x 610 x 25	2.5	3400	3.5
305 x 305 x 48	2.5	1000	2.5
610 x 610 x 48	2.5	3400	3.5
305 x 305 x 70	2.5	1000	2.5
610 x 610 x 70	2.5	3400	3.5
305 x 305 x 90	2.5	1000	2.5
610 x 610 x 90	2.5	3400	3.5

For any customized filter, please contact us.

Applications:



PHARMA
INDUSTRY



FOOD
PROCESSING
UNIT



COMMERCIAL
BUILDING



PAINT
BOOTH



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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