



PRE-FILTER

POLYSTER FIBRE PAD-(PFP)

Grade: G4 OR MERV 7, 8

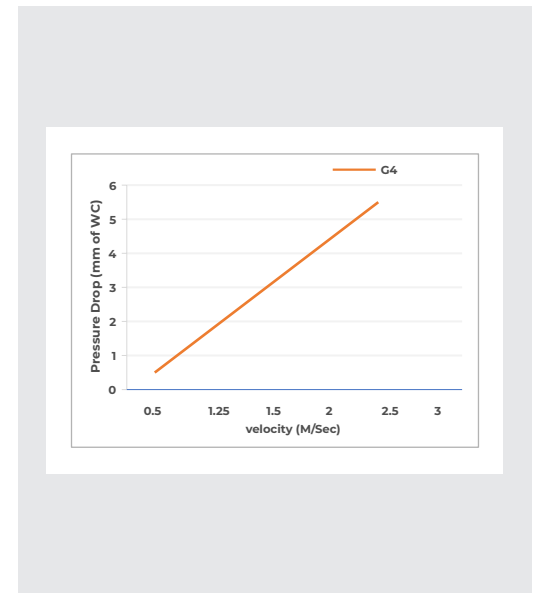
ISO EN779-2012 / ISO 16890 / ASHRAE 52.2-2017



These are cleanable/ washable panel filters made from rigid non-corrosive metal frames with options per customer applications with high loft progressive structure non-woven media. The filters have a heavy-duty metal grid, a permanent on-air exit side, and a removable one on the air entry side. As a result, replacing the filter media pad is easy and convenient, thereby making filters economical over long periods. When used to filter a range of solvents, the filters have the edge over the competition in terms of high dust holding capacity and corrosion resistance. In addition, the panel filters are available in depths ranging from 1" to 4" depending on the filter face velocity.

Filter Features

- The PFP series are cleanable air filters made from high loft non woven progressive polyester fiber 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 in air handling units one stage prior to Fine filters, very economical due to higher final pressure drop.
- Filter grade G4 OR MERV 7, 8.
- Tested in accordance to EN779-2012 / ISO 16890 / ASHRAE 52.2-2017
- High velocity airflow & low pressure drop.
- PFP series available in various sizes & installation options to fit almost any customer requirements.



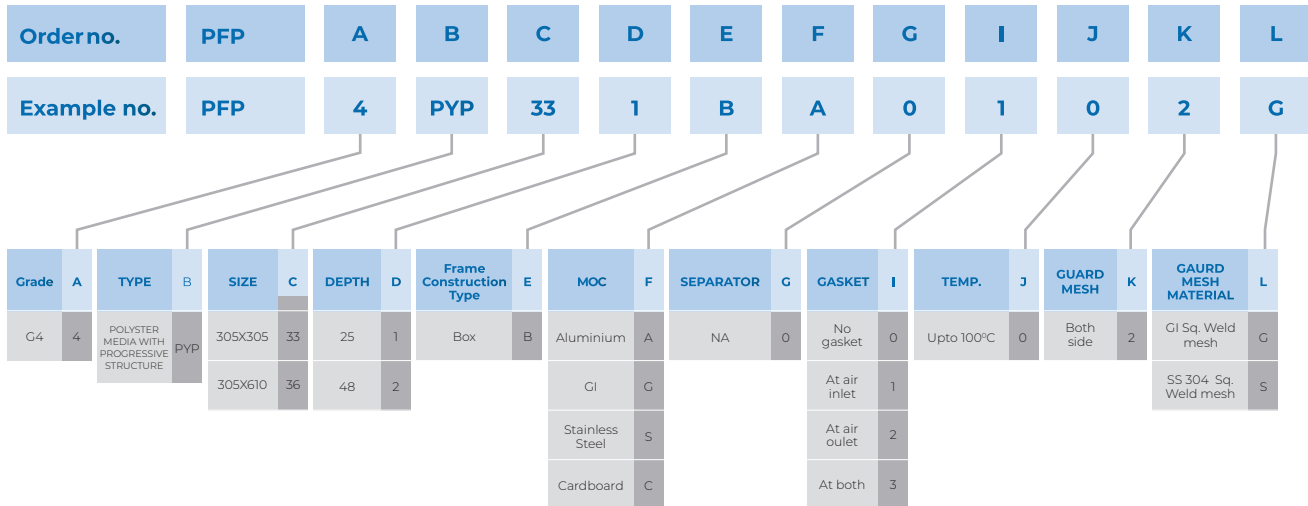
Technical Specifications

Filters Grade	EN779 class: G4 EUROVENT4 class: EU4, MERV 7,8
Type	Pad Panel
Frame	Aluminium/Galvanized iron/Stainless steel/Cardboard
Media	Synthetic (Polyester) media with progressive structure
Rated Average Arrestance (%)	84%-95% (ASHRAE52.1, EN779)
Final Pressure Drop	250 Pa
Temperature Max	100°C maximum in continuous service
Non-flammability class	F1 (DIN 53438)
Gasket	Neopren
Separator	NA
Maximum Air Flow	15% more than rated capacity
Installation Options	Front and side access filter housings
Optional guard mesh	GI sq.weld mesh/SS sq weld mesh
Humidity	≤100 % RH
Filters Sizes in	1"/25mm, 2"/48mm depth
Filters Testing In Accordance	EN779-2012/ ISO16890/ASHRAE 52.2-2017



Selection Chart

(Order as per model no.)



Filter Class As per EN779	G4/MERV 7,8		
Filter Class as per Eurovent 4/5	EU4		
Average dust arrestance ≥10.0 microns	90%≤Am		
Average dust spot efficiency in %	25%-35%		
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 25	2.5	1000	4.5
610 x 610 x 25	2.5	3400	5.5
305 x 305 x 48	2.5	1000	4.5
610 x 610 x 48	2.5	3400	5.5

For any customized filter, please contact us.

Applications:



PHARMACEUTICAL 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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