

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.

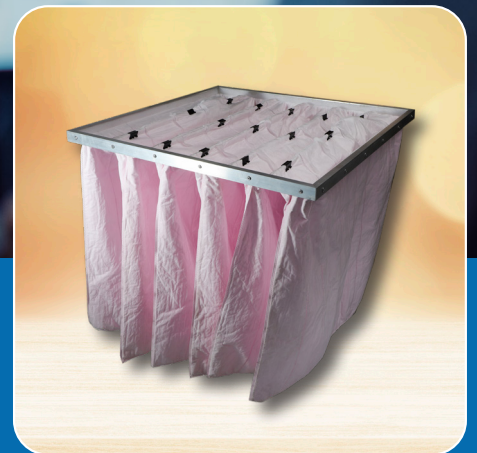
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FINE FILTER

SYNTHETIC MELTBLOWN-POCKET (FMP)

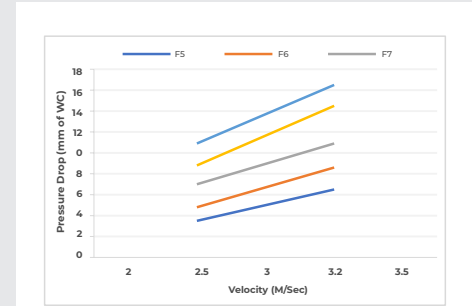
Grade: F5 to F9 OR MERV 9 to MERV 16

ISO 16890/ ASHRAE 52.2-2017/EN 779-2012

Air Cleanable pocket filters made from rigid non-corrosive metal frames with pockets of synthetic melt-blown incorporated between PP spunbond media as a filtration medium. The pocket filters are available with multiple pocket options depending upon the filter face velocity & dust loading capacity. The added advantage is that these filters withstand very high air velocities. Additionally, filters can be utilised for a longer duration than panel pre-filters because of their high dust holding capacity. The Filtration grade range from F5 to F9 or MERV 9-16.

Filter Features

- The FMP series are filters made from pockets of synthetic meltblown incorporated between PP spunbond media in rigid non-corrosive metal frames, allowing high air flow and low pressure drop.
- These filters have very high dust holding capacity when compared to other series of Fine dust filters
- Mainly used in air handling units one stage prior to HEPA filters, very economical due to higher final pressure drop.
- Filter is capable of removing contaminants such as bacteria, fungi, fumes, smoke, etc.
- Filter grades F5 to F9 OR MERV 9 to MERV 16.
- Tested in accordance to EN779-2012 / ISO 16890 / ASHRAE 52.2-2017.
- FMP series available in various sizes & installation options to fit almost any customer requirements.



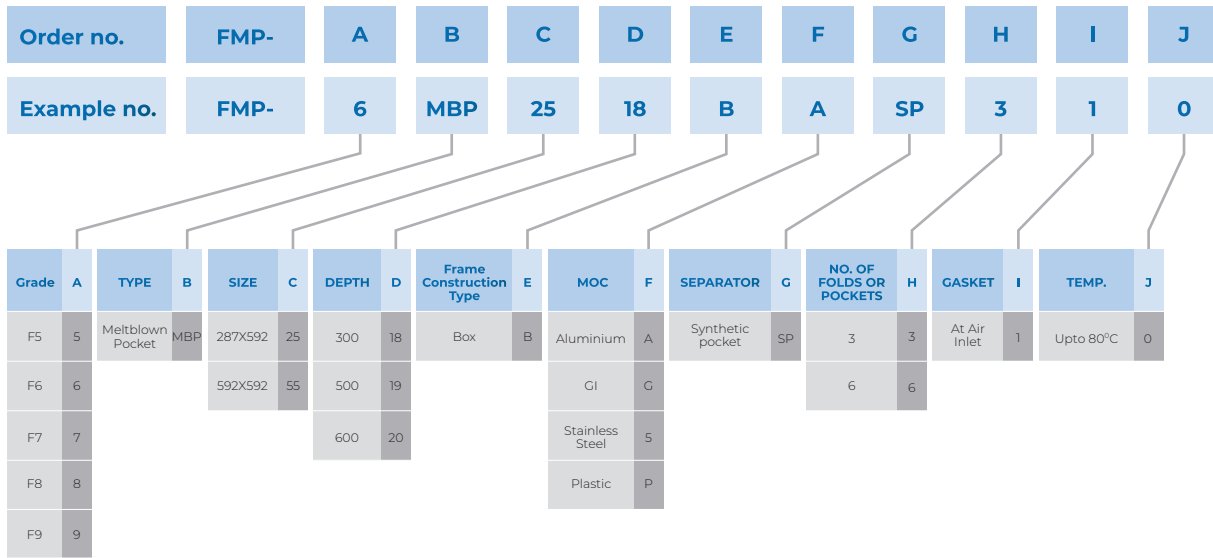
Technical Specifications

Filters Grade	EN779 Class: F5,F6, F7, F8, F9 Eurovent: EU5,6,7,8,9 ASHRAE 52.2-2017 Class: MERV-9,10,11,12,13,14,15,16
Type	Pocket Filter
Frame	Plastic, Galvanized iron, Aluminium, Stainless steel
Frame Construction Type	Box
Media	Synthetic Meltblown media
Sealant	NA
Final Pressure Drop	250 Pa
Temperature Max	80°C Maximum In Continuous Service
Non-Flammability Class	F1 (DIN 53438)
Humidity	≤100% RH
Gasket	Neoprene
Separator	Synthetic pockets
Installation Options	Front And Side Access Filter Housings
Optional Guard Mesh	NA
Filters Testing In Accordance	EN779-2012/ ISO16890/ASHRAE 52.2-2017



Selection Chart

(Order as per model no.)



Filter Class As per EN779				F5/MERV9,10	F6/MERV11,12	F7/MERV13	F8/MERV14	F9/MERV15,16
Filter Class as per Eurovent 4/4				EU 5	EU 6	EU 7	EU 8	EU 9
Initial Efficiency test with MPPS in %				40%≤Em<60%	60%≤Em<80%	80%≤Em<90%	90%≤Em<95%	95%≤Em
Initial Efficiency test with Aerosol Particle size 1.0-3.0 microns in %				40%≤Em<60%	60%≤Em<80%	80%≤Em<90%	90%≤Em<95%	95%≤Em
W x L x D (mm)	No. Of Pockets	Rated Face Velocity (m/s)	Rated Air Flow (CMH)	INITIAL PRESSURE DROP (MM OF WC) @ RATED AIR FLOW				
287 x 592 x 300	03	2.5/3.2	2000/2400	3.5/6.5	4.8/8.6	7.0/10.9	8.8/14.5	10.9/16.5
287 x 592 x 500	03	2.5/3.2	2000/2400	3.5/6.5	4.8/8.6	7.0/10.9	8.8/14.5	10.9/16.5
287 x 592 x 600	03	2.5/3.2	2000/2400	3.5/6.5	4.8/8.6	7.0/10.9	8.8/14.5	10.9/16.5
592 x 592 x 300	06	2.5/3.2	4200/4800	3.5/6.5	4.8/8.6	7.0/10.9	8.8/14.5	10.9/16.5
592 x 592 x 500	06	2.5/3.2	4200/4800	3.5/6.5	4.8/8.6	7.0/10.9	8.8/14.5	10.9/16.5
592 x 592 x 600	06	2.5/3.2	4200/4800	3.5/6.5	4.8/8.6	7.0/10.9	8.8/14.5	10.9/16.5

For any customized filter, please contact us.

Applications:



PHARMACEUTICAL INDUSTRY



FOOD PROCESSING UNIT



COMMERCIAL BUILDING



PAINT BOOTH



POWER PLANT