

PRE-FILTER

POLYESTER FIBRE PLEATED (PPP-M)

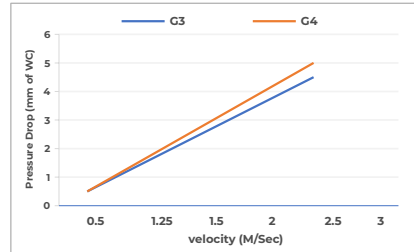
Grade: G3 & G4 OR MERV 5 to MERV 8

EN779-2012 / ISO 16890 / ASHRAE 52.2-2017

The filters made from rigid non-corrosive metal frames with options per customer applications and progressive polyester non-woven media to enhance the filtration area. The two sides of the filter are sealed in polyurethane for better filtering efficiency. As a result, the filters have an advantage over the competition regarding high dust holding capacity. In addition, the filters are available in depths ranging from 1" to 4" depending on the filter face velocity, and filter grades range from G2 to G4 or MERV-5 to MERV-8.

Filter Features

- The PPP-M series are cleanable air filters made from pleated medium of high quality non woven progressive polyester fiber & aluminium mesh in rigid non-corrosive metal frame.
- Mainly used in air handling units one stage prior to Fine filters, very economical due to higher final pressure drop.
- Filter grade G3 & G4 OR MERV 5 to MERV 8.
- Tested in accordance to EN779-2012 / ISO 16890 / ASHRAE 52.2-2017.
- Air cleanable or washable filters.
- High velocity airflow & low pressure drop.
- PPP-M series available in various sizes & installation options to fit almost any customer requirements.



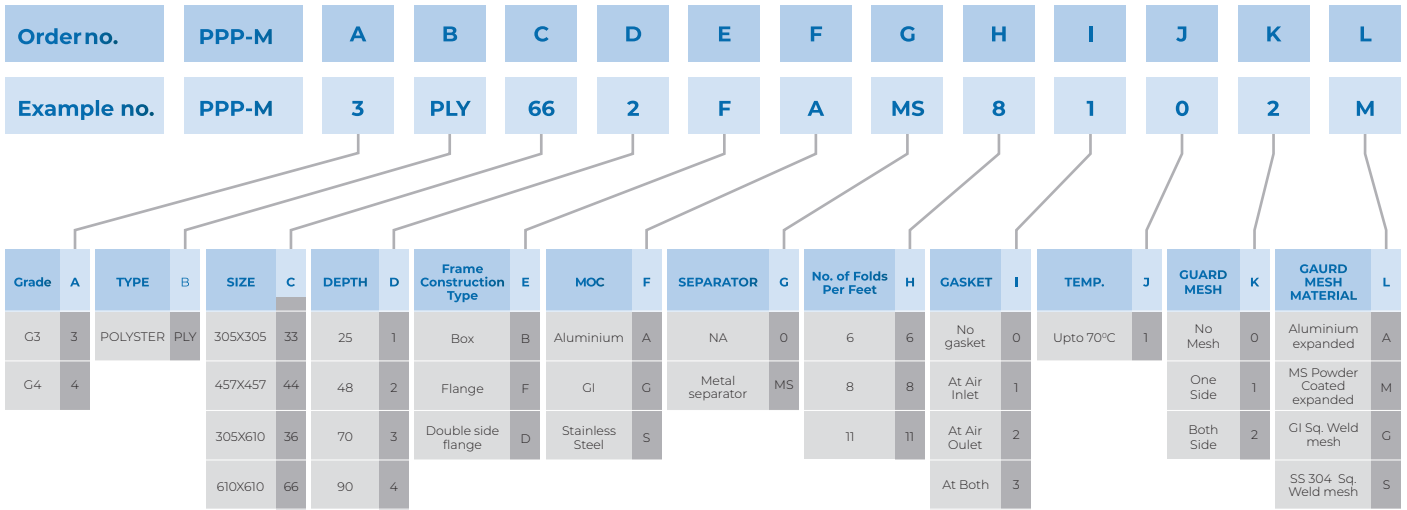
Technical Specifications

Filters Grade	EN779 class: G3 & G4 EUROVENT4/5 class: EU3 & EU4, MERV 5,6,7,8
Type	Pleated Panel
Frame	Aluminium/Galvanized iron/Stainless steel
Media	Synthetic (Polyester) Fibre
Rated Average Arrestance (%)	84%-95% (ASHRAE52.1, EN779)
Final Pressure Drop	250 Pa
Temperature Max	70°C maximum in continuous service
Non-flammability class	F1 (DIN 53438)
Humidity	≤100 % RH
Gasket	Neoprene
Separator	Metal separator for size above 3" depth
Maximum Air Flow	15% more than rated capacity
Installation Options	Front and side access filter housings
Optional guard mesh	Aluminium expanded/MS powder coated expanded/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.)



Filter Class As per EN779			G3/MERV 5, 6	G4/MERV 7, 8
Filter Class as per Eurovent 4/5			EU3	EU4
Average dust arresntance ≥10.0 microns			80%≤Am<90 %	90%≤Am
Average dust spot efficiency in %			20%-25%	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	850	2.5	3
457 x 457 x 25	2.5	1700	3.5	4
305 x 610 x 25	2.5	1700	3.5	4
610 x 610 x 25	2.5	3400	4.5	5
305 x 305 x 48	2.5	850	2.5	3
457 x 457 x 48	2.5	1700	3.5	4
305 x 610 x 48	2.5	1700	3.5	4
610 x 610 x 48	2.5	3400	4.5	5
305 x 305 x 70	2.5	850	2.5	3
457 x 457 x 70	2.5	1700	3.5	4
305 x 610 x 70	2.5	1700	3.5	4
610 x 610 x 70	2.5	3400	4.5	5
305 x 305 x 90	2.5	850	2.5	3
457 x 457 x 90	2.5	1700	3.5	4
305 x 610 x 90	2.5	1700	3.5	4
610 x 610 x 90	2.5	3400	4.5	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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