

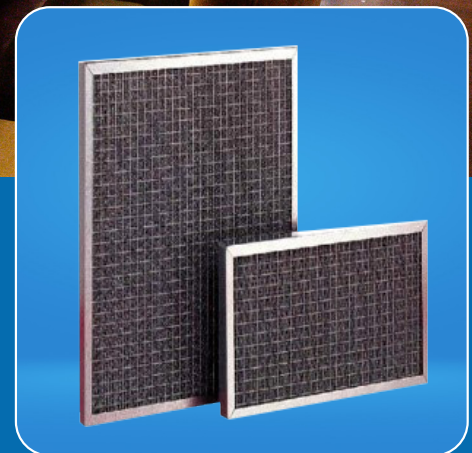


PRE-FILTER

METALLIC MESH (PMM)

Grade: G2 OR MERV 2 to MERV 4

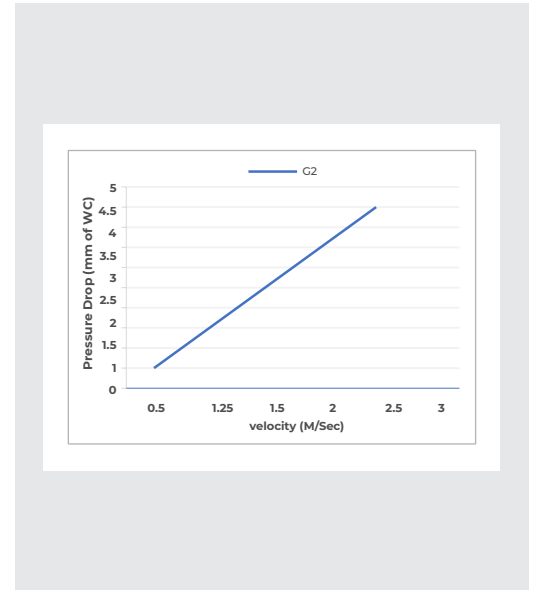
ISO EN779-2012 / ISO 16890 / ASHRAE 52.2-2017



The cleanable/ washable panel filters made from rigid non-corrosive metal frames constitute knitted wire meshes as filtration media. The filters have a heavy-duty metal grid, a permanent one on the air exit side and a removable one on the air entry side. As a result, replacing the filter media becomes convenient, easy, and economical. The Filtration grade is G2 or MERV 2-4. The panel filters are available in depths ranging from 1" to 4" depending on the filter face velocity.

Filter Features

- The PMM series are washable filters made from multiple knitted wire mesh overlapped together as a filter 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 in restaurants and industrial applications for oil mist filtration, High velocity airflow & low pressure drop.
- Filter grade G2 OR MERV 2 to MERV 4.
- Tested in accordance to EN779-2012 / ISO 16890 / ASHRAE 52.2-2017.
- Weeping holes are provided to drain oil or water.
- PMM series available in various sizes & installation options to fit almost any customer requirements.



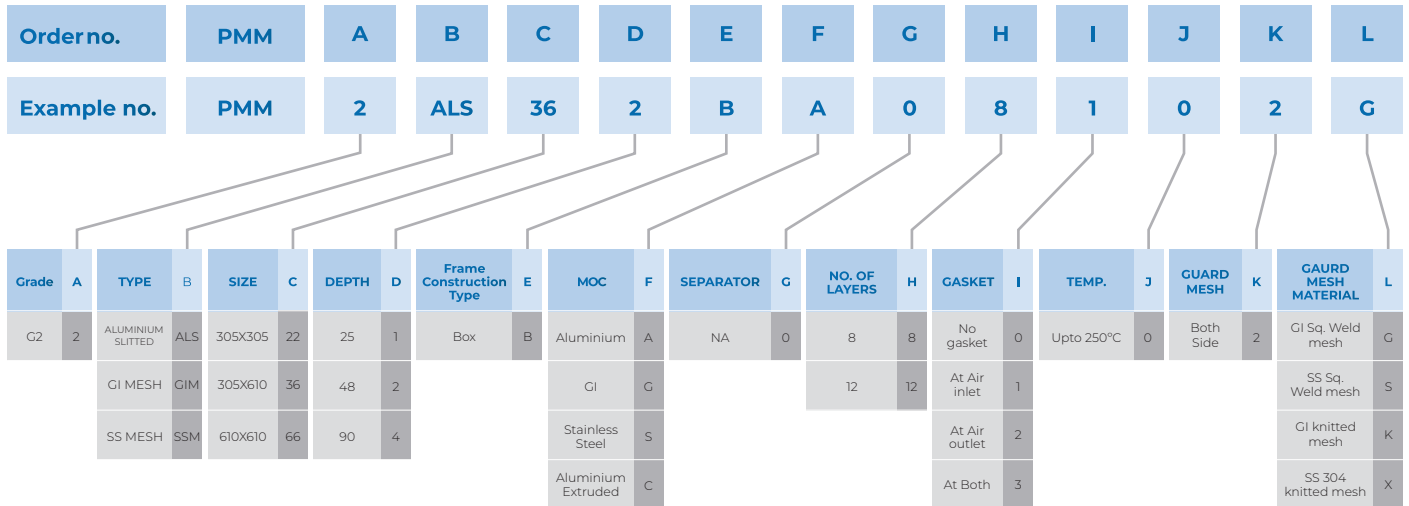
Technical Specifications

Filters Grade	EN779 class: G2, EUROVENT4/5 class: EU2, MERV 2,3,4
Type	Metallic Mesh Filter
Frame	Aluminium/Galvanized iron/Stainless steel
Media	Aluminium Slitted/Galvanized iron knitted mesh/Stainless steel knitted mesh
Rated Average Arrestance (%)	84%-95% (ASHRAE52.1, EN779)
Final Pressure Drop	400 Pa
Temperature Max	250°C maximum in continuous service
Separator	NA
Maximum Air Flow	15% more than rated capacity
Installation Options	Front and side access filter housings
Gasket	Neoprene
Optional guard mesh	GI sq.weld mesh/SS sq weld mesh/GI knitted mesh/SS knitted mesh
Humidity	≤100 % RH
Filters Sizes in	1"/25mm, 2"/48mm, 4"/90mm
Filters Testing In Accordance	EN779-2012/ ISO16890/ASHRAE 52.2-2017



Selection Chart

(Order as per model no.)



Filter Class As per EN779	G2/MERV 2,3,4
Filter Class as per Eurovent 4/5	EU2
Initial Dust spot efficiency/Average arrestance ≥10.0 microns	65%≤Am<80%
Initial Efficiency test with Dust spot size 3.0 to 10.0 microns in %	65%≤Am<80%

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	3.5
305 x 610 x 25	2.5	1700	4.5
610 x 610 x 25	2.5	3400	4.5
305 x 305 x 48	2.5	1000	3.5
305 x 610 x 48	2.5	1700	4.5
610 x 610 x 48	2.5	3400	4.5
305 x 305 x 90	2.5	1000	3.5
305 x 305 x 90	2.5	1700	4.5
305 x 305 x 90	2.5	3400	4.5

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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