



PRE-FILTER

POLYESTER FIBER-POCKET (PPP)

Grade: G4 OR MERV 7, 8

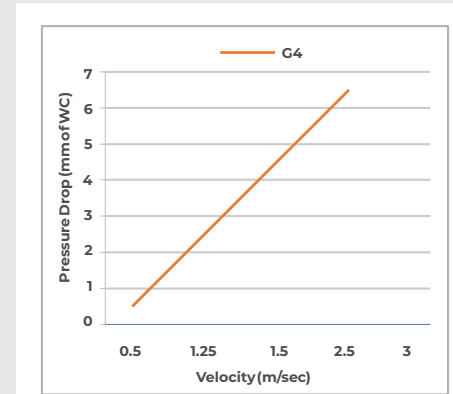
EN779-2012 / ISO 16890 / ASHRAE 52.2-2017



The cleanable pocket filters made from rigid non-corrosive metal frames are integrated with pockets of polyester fiber as filtration media. The pocket filters are available with options of several pockets depending upon the filter face velocity & dust loading. These filters can withstand very high air velocities. Due to their high dust holding capacity, they are used longer than panel pre-filters before cleaning. The filtration grade is G4 or MERV 8.

Filter Features

- The PPP series are filters made from pockets of polyester Fibre 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 pre filters.
- Mainly used in air handling units one stage prior to Fine filters. very economical due to higher final pressure drop.
- Filter grades G4 OR MERV 7,8.
- Tested in accordance to EN779-2012 / ISO 16890 / ASHRAE 52.2-2017.
- PPP series available in various sizes & installation options to fit almost any customer requirements.



Technical Specifications

Filters Grade	EN779 Class: G4 ASHRAE 52.2-2017 Class: MERV-7, 8
Type	Pocket Filter
Frame	Aluminium/Galvanized iron/Stainless steel/Plastic
Frame Construction Type	Box Header type frame available in 20 and 25mm
Media	Polyester fibre media
Sealant	NA
Final Pressure Drop	250 Pa
Temperature Max	80°C Maximum In Continuous Service
Non-Flammability Class	F1 (DIN 53438)
Optional guard mesh	NA
Gasket	Neoprene
Separator	Synthetic fiber pocket
Installation Options	Front And Side Access Filter Housings
Humidity	Can operate in 100% humidity
Filters Sizes in	12"/300mm, 24"/600mm depth
	EN779-2012/ ISO16890/ASHRAE 52.2-2017



Selection Chart (Order as per model no.)

Order no.	PPP	A	B	C	D	E	F	G	H	I	J
Serial no.	PPP	4	SP	25	18	B	A	SP	3	1	0

Grade	A	TYPE	B	SIZE	C	DEPTH	D	Frame Construction Type	E	MOC	F	SEPARATOR	G	NO. OF FOLDS OR POCKETS	H	GASKET	I	TEMP.	J
G4	4	Synthetic pocket	SP	287X592	25	300	18	Box	B	Aluminium	4	Synthetic fiber pocket	SP	3	3	No gasket	0	Upto 80°C	0
				592X592	55	500	19			GI	4			6	6	At air inlet	1		
						600	20			Stainless Steel	4								
										Plastic	4								

Filter Class As per EN779		G4/MERV 7,8		
Filter Class as per Eurovent 4/5		EU4		
Initial Efficiency test with MPPS in %		90%≤Am		
Initial Efficiency test with Aerosol Particle size 3.0 to 10.0 microns in %		90%≤Am		
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
305 x 610 x 300	3	2.5	1700	5.5
610 x 610 x 300	3	2.5	3400	6.5
305 x 610 x 600	4	2.5	1700	5.5
610 x 610 x 600	4	2.5	3400	6.5
305 x 610 x 300	5	2.5	1700	5.5
610 x 610 x 300	4	2.5	3400	6.5
305 x 610 x 600	6	2.5	1700	5.5
610 x 610 x 600	6	2.5	3400	6.5
305 x 610 x 600	8	2.5	1700	5.5
610 x 610 x 600	8	2.5	3400	6.5

For any customized filter, please contact us.



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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