

SHINKO POLYFIBER - MPF FILTER

MULTI-PLEATED PANEL FILTER / PRE-FILTER



SPECIFICATIONS

Type	Pleated Cleanable / Washable Filter
Filter Grades (EN 779)	G2, G3 , G4
Filter Grades (As per ASHRAE 52.2)	MERV 4, MERV 6, MERV 8
Filter Media	Non-Woven high lofted synthetic (polyester) media
Media Support	PVC Coated wire mesh support on both sides
Frame	GI / SS / Al
Filter Depth	48mm , 98mm
Maximum Humidity	100%
Maximum Temperature	80 °C
Final Pressure Drop	1.00" wg
Flammability	UL 900 Classified
Mounting Options	Front and Side access frames and housings are available

Application

- General Air Handling Unit
- Air conditioning systems
- Ventilation systems of all kinds
- Hospital
- Biomedical
- Pharmaceutical
- Biotechnology
- Universities
- Laboratories
- Food processing
- House Hold Applications
- Car Ventilation
- Intake and exhaust air systems for Heavy Industries
- cement Industries
- Chemical plants

Features & Benefits

- The filter media is constructed from selected high performance, non-breakable fibers in a progressive density multi layering technique to ensure maximum depth loading
- Long lasting metallic frame construction offers great resistance in harsh operating conditions
- Owing to excellent dust holding capacity, it can be used as pre filter to protect higher efficiency filters
- Made of synthetic fibers and characterized by a relatively low resistance to airflow, reduces risk of fire and easy to install. UL 900 rated filter and Self-extinguishing media according to DIN 53438-F1
- Available in G2 (MERV 4) to G4 grade (MERV 8)
- The filter can be cleaned with compressed air (Low pressure) once or twice during its natural lifetime. It can be cleaned with a solution of water and detergent on a limited basis
- Particularly applicable in high humidity or coastal areas where disposable filters are quickly degraded
- Due to their light weight and compact size they are relatively inexpensive to ship and easy to handle and install
- The filter can be custom manufactured to any size
- Robust construction for high velocity operation
- Inert to most chemicals and fumes
- No risk of media migration

MODEL REFERENCE NUMBERING SCHEME

SPFMFPF - 287x287x98- G3/G4

- S – SHINKO
- PFMPF – Poly Fiber Multi-Pleated Filter
- 287x287x98 – Width x Height x Depth
- G3 / G4 – Grade

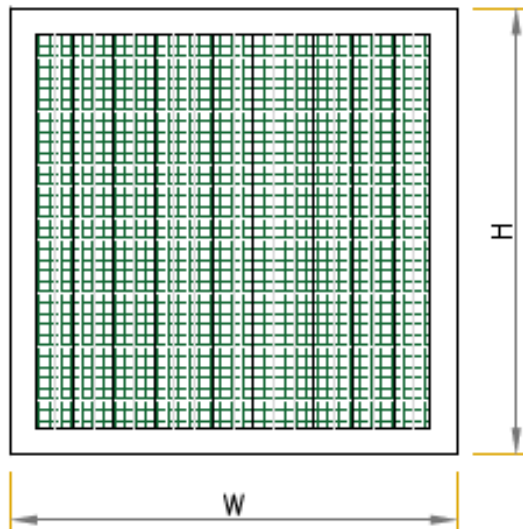


SELECTION CHART

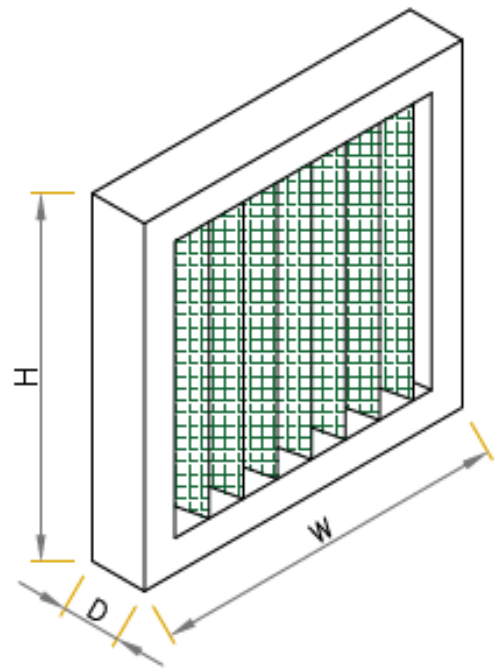
Model Reference	Actual Dimensions (mm)			Air Flow		Initial Resistance (Inches WG)	
	Width	Height	Depth	CFM (500 fpm)	CMH (2.54 m/s)	MERV 6 / G3	MERV 8 / G4
SPFMPF-287x287x98-(G3/G4)	287	287	98	500	850	0.26	0.31
SPFMPF-592x287x98-(G3/G4)	592	287	98	1000	1700	0.26	0.31
SPFMPF-592x490x98-(G3/G4)	592	490	98	1650	2805	0.26	0.31
SPFMPF-592x592x98-(G3/G4)	592	592	98	2000	3400	0.26	0.31
SPFMPF-287x287x48-(G3/G4)	287	287	48	500	850	0.32	0.40
SPFMPF-592x287x48-(G3/G4)	592	287	48	1000	1700	0.32	0.40
SPFMPF-592x490x48-(G3/G4)	592	490	48	1650	2805	0.32	0.40
SPFMPF-592x592x48-(G3/G4)	592	592	48	2000	3400	0.32	0.40

All Grades and all sizes are available upon request. Please contact us for more details.

SIZE SELECTION



FRONT VIEW



GENERAL ISOMETRIC VIEW

Note: The photos shown are only for illustration purpose. The actual product may vary. Please contact the technical/sales department for more information. As a part of continuous Improvement, Shinko Aircon reserves the right to make technical modifications without prior notice. All non standard sizes are available upon request. Please contact us for details.

