

M-PACK SYNTHETIC FIBER POCKET FILTER



PRODUCT FEATURES

- Sturdy all-metal frame structure
- High dust holding capacity, low pressure drop
- High-quality, fluffy, multi-layer synthetic fiber filter material
- Ultrasonic seamless sealed pocket structure

APPLICATIONS

- Filtration for HVAC and ventilation systems to reduce dust accumulation within the system
- Filtration for large air compressors
- Central HVAC systems in cleanrooms and return air filtration, extending the service life of downstream HEPA filters
- Ventilation systems in general industrial facilities to meet standard air cleanliness requirements
- Air filtration in commercial building HVAC systems

EFFICIENCY

- G3, G4, M5, M6, F7, F8, F9

PRODUCT STRUCTURE DESCRIPTION

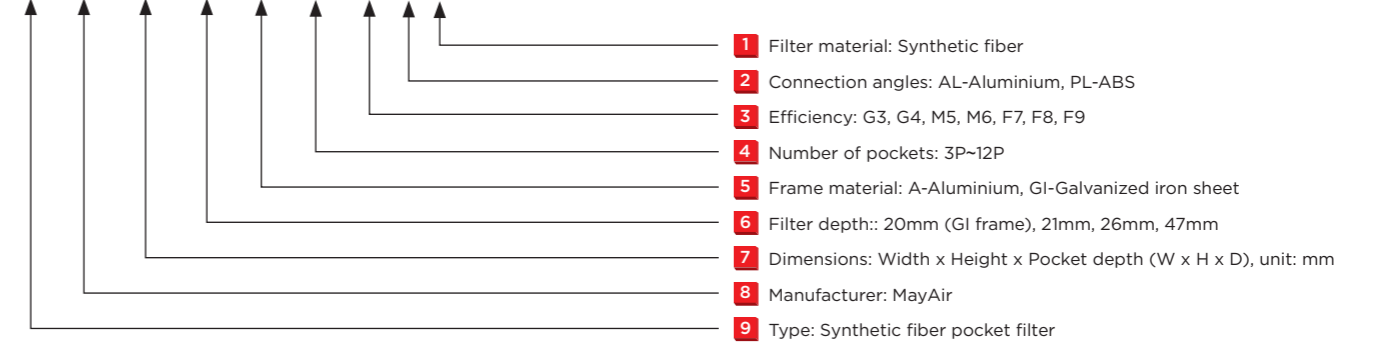
- Robust, leak-resistant construction. Aluminum alloy frame with tightly clamped support grid and cover to prevent pocket detachment during operation
- Pockets made of multi-layer high-quality synthetic fiber media, ultrasonically welded for enhanced sealing integrity and mechanical strength

List of Materials	
Frame	Double-layer U-shaped aluminium / Galvanized iron sheet (GI)
Filter Depth	20mm / 21mm / 26mm / 47mm
Filter Material	Synthetic fiber
Connection Angles	Sturdy and high-temperature resistant ABS / Aluminium
Reinforcement Support	Galvanized steel strip

Applicable Conditions	
Maximum Temperature	60°C (140°F)

NAME SPECIFICATION

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Product Specifications														
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Pocket Quantity (pcs)	Media Area (m ²)	Airflow (m ³ /h)	Rated Initial Pressure Drop (Pa)							Recommended Final Pressure Drop (Pa)		
					G3	G4	M5	M6	F7	F8	F9	G3 - G4	M5 - F9	
24 x 24 x 25	594 x 594 x 635	8	6.60	3,400	37	45	55	58	90	95	125	250	450	
20 x 24 x 25	492 x 594 x 635	6	4.94	2,850	37	45	55	58	90	95	125	250	450	
20 x 20 x 25	494 x 494 x 635	5	3.50	2,300	38	47	55	58	90	95	125	250	450	
12 x 24 x 25	289 x 594 x 635	4	3.30	1,700	38	48	55	58	90	95	125	250	450	
24 x 24 x 22	594 x 594 x 550	8	5.68	3,400	40	49	60	65	100	115	135	250	450	
20 x 24 x 22	494 x 594 x 550	6	4.26	2,850	40	49	60	65	100	115	135	250	450	
20 x 20 x 22	492 x 492 x 550	5	3.02	2,300	42	50	60	65	100	115	135	250	450	
12 x 24 x 22	289 x 592 x 550	4	2.84	1,700	42	50	60	65	100	115	135	250	450	
24 x 24 x 15	594 x 594 x 381	8	3.86	3,400	45	58	70	75	110	120	145	250	450	
20 x 24 x 15	492 x 594 x 381	6	2.90	2,850	46	60	70	75	110	120	145	250	450	
20 x 20 x 15	492 x 492 x 381	5	2.06	2,300	46	60	70	75	110	120	145	250	450	
12 x 24 x 15	289 x 594 x 381	4	1.94	1,700	46	60	70	75	110	120	145	250	450	

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special dimensions available upon request