

M-WASH WASHABLE PANEL FILTER



PRODUCT FEATURES

- Removable frame design
- High-quality filter material, washable (recommended to clean 2-3 times)
- High dust holding capacity
- M-WASH panel reinforced ribbed pre-filter adopts a lightweight panel structure, high-quality polyester synthetic fibers, high dust holding capacity, good fire resistance

APPLICATIONS

- Pre-filtration for HVAC systems to prevent internal dust accumulation and contamination
- Pre-filtration for large air compressors
- Pre- and return air filtration in cleanroom HVAC systems to extend the service life of downstream HEPA filters
- Pre-filtration for ventilation systems in general industrial facilities to meet basic air cleanliness requirements
- Pre-filtration for HVAC systems in commercial buildings
- Pre-filtration for HVAC systems in rail transit and public infrastructure

EFFICIENCY

- G2, G3, G4, M5

PRODUCT STRUCTURE DESCRIPTION

- Panel-type aluminum alloy frame with optional ABS or aluminum corners ensures a stable structure; removable frame design allows easy media replacement for repeated use
- Reinforced support grid enhances overall structural strength
- High-quality polyester synthetic media is washable and reusable; progressive density fiber structure ensures high dust holding capacity and extended service life

List of Materials	
Frame	Aluminium / Stainless steel / Galvanized steel sheet (GI)
Filter Depth	10mm / 21mm / 23mm / 46mm / 96mm
Filter Material	High-quality polyester synthetic fiber
Connection Angles	Sturdy and high-temperature resistant ABS / Aluminium
Reinforcement Support	Galvanized / Powder-coated steel wire

Applicable Conditions	
Maximum Temperature	93°C (200°F)

NAME SPECIFICATION

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- 1 Filter material: Synthetic fiber
- 2 Efficiency: G2, G3, G4, M5
- 3 Connection angles: AL-Aluminium, PL-ABS
- 4 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 5 Manufacturer: MayAir
- 6 Type: Washable panel filter

Product Specifications							
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Efficiency (EN 779)	Rated Airflow (m ³ /h)	Initial Pressure Drop at Different Airflows (Pa)			Recommended Final Pressure Drop (Pa)
				70%	100%	140%	
12 x 24 x 2	289 x 594 x 46	G2	1,700	45	70	100	Initial pressure drop 2 to 2.5 times
20 x 24 x 2	492 x 594 x 46	G2	2,800	45	70	100	
24 x 24 x 2	594 x 594 x 46	G2	3,400	45	70	100	
12 x 24 x 2	289 x 594 x 46	G3	1,700	65	95	135	
20 x 24 x 2	492 x 594 x 46	G3	2,800	65	95	135	
24 x 24 x 2	594 x 594 x 46	G3	3,400	65	95	135	
12 x 24 x 2	289 x 594 x 46	G4	1,700	85	130	175	
20 x 24 x 2	492 x 594 x 46	G4	2,800	85	130	175	
24 x 24 x 2	594 x 594 x 46	G4	3,400	85	130	175	
12 x 24 x 2	289 x 594 x 46	M5	1,700	100	140	205	
20 x 24 x 2	492 x 594 x 46	M5	2,800	100	140	205	
24 x 24 x 2	594 x 594 x 46	M5	3,400	100	140	205	

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