

M-MI MEDIUM EFFICIENCY SECONDARY FILTER WITH SEPERATOR



PRODUCT FEATURES

- Corrugated aluminium. Frame available in non-flanged, single-flanged, or double-flanged configurations, with a 20 mm flange depth
- Ultra-fine glass fiber media
- Separator design ensures high efficiency, low pressure drop, and high dust holding capacity
- Suitable for variable air volume (VAV) systems

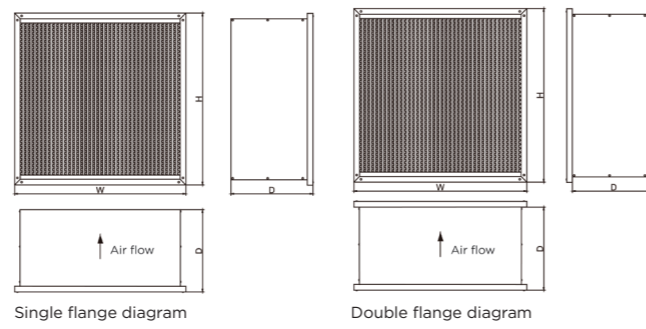
APPLICATIONS

- Medium efficiency filtration for cleanroom and pharmaceutical HVAC applications
- HVAC systems in high-humidity and variable air volume (VAV) environments
- Ventilation systems with high fire safety requirements or elevated operating temperatures
- Local filtration for pharmaceutical equipment, such as ovens at ambient temperature

EFFICIENCY

- M6, F7, F8, F9

PRODUCT STRUCTURE DESCRIPTION



NAME SPECIFICATION

M1 - 01 - □□ - □□□ - □□ - E□ - □□ - □

- 1 Separator types: Unmarked: Corrugated aluminium Z: Paper, SS: Stainless steel
- 2 Flange types: X-No flange, D1-Single flange, D2-Double flange
- 3 Air-tight gasket: E0-None, E1-Upstream E2-Both sides, E3-Downstream
- 4 Frame material: SS (SUS304)-stainless steel sheet, SG-galvanized steel sheet, AL-Aluminium, A-Aluminium
- 5 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 6 Efficiency: M6, F7, F8, F9
- 7 Manufacturer: MayAir
- 8 Type: Medium efficiency secondary filter with separator

Product Specifications										
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Separator	Flange	Airflow (m ³ /h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)				Recommended Final Pressure Drop (Pa)
						M6	F7	F8	F9	
12 x 24 x 3	305 x 610 x 80	Corrugated aluminium	None	400	0.6	90	130	140	150	300
24 x 24 x 3	610 x 610 x 80			800	0.6	90	130	140	150	300
12 x 24 x 6	305 x 610 x 150			650	1.2	90	130	140	150	300
24 x 24 x 6	610 x 610 x 150			1,400	1.2	90	130	140	150	300
12 x 24 x 9	305 x 610 x 220			860	1.6	90	130	140	150	300
24 x 24 x 9	610 x 610 x 220			1,860	1.6	90	130	140	150	300
12 x 24 x 12	305 x 610 x 292			1,400	2.5	90	130	140	150	300
24 x 24 x 12	610 x 610 x 292			3,000	2.5	90	130	140	150	300

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

List of Materials	
Frame	Galvanized steel sheet / Aluminium / Stainless steel sheet / Aluminium profiles
Filter Depth	80mm / 150mm / 220mm / 292mm
Filter Material	Water-resistant fiberglass
Separator	Corrugated aluminium / Paper
Sealant	Polyurethane

Note: Faceguard available (Material: Powder-coated steel faceguard)

Applicable Conditions	
Maximum Temperature	80°C (180°F)