

# M-SHV

## SEMI-HIGH EFFICIENCY V-SHAPED MINI-PLEATED AIR FILTER (LOW PRESSURE DROP)



### PRODUCT FEATURES

- V-shape design for low pressure drop
- Mini-pleated design with melt-blown media
- High dust holding capacity with low pressure drop
- Robust construction for stable performance under turbulent airflow
- Available in single-flanged or non-flanged configurations with a fully incinerable polypropylene frame

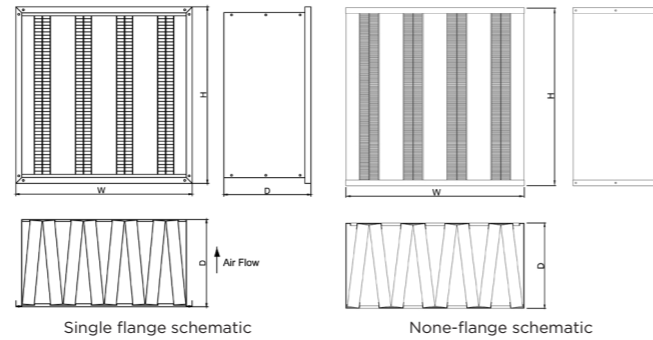
### APPLICATIONS

- Semi-high efficiency filtration for cleanroom HVAC systems as well as commercial and industrial applications
- Suitable for variable air volume (VAV) HVAC systems
- Ideal for HVAC systems with limited installation space
- Widely used in cleanrooms and other environments with stringent air cleanliness requirements

### EFFICIENCY

- E10, E11, E12

### PRODUCT STRUCTURE DESCRIPTION



### NAME SPECIFICATION

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- 1 PP
- 2 Enclosure type: X-No flange, D1-Single flange
- 3 Air-tight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream
- 4 Frame material: PL-ABS, SG-Galvanized steel sheet, AL-Aluminium
- 5 Filter: 2-2V, 3-3V, 4-4V, 5-5V
- 6 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 7 Efficiency: E10, E11, E12
- 8 Manufacturer: MayAir
- 9 Type: Semi-High efficiency V-Shaped mini-pleated air filter (low pressure drop)

Product Specifications									
Standard Size Semi-High Efficiency Pressure Drop Parameter Table									
Type	Dimensions W x H x D (mm)	Frame Material	Filter Block (V)	Flange	Airflow (m <sup>3</sup> /h)	Rated Initial Pressure Drop (Pa)			Recommended Final Pressure Drop (Pa)
						E10	E11	E12	
Standard airflow (N)	287 x 592 x 292	ABS/ Galvanized steel / Aluminium	2	Single	1,700	70	80	90	450
	305 x 610 x 292		2	None	1,800	70	80	90	450
	592 x 592 x 292		4	Single	3,400	70	80	90	450
	610 x 610 x 292		4	None	3600	70	80	90	450

Remark:  
1. Initial pressure drop performance tolerance is ±10%  
2. Special sizes can be provided upon request.

List of Materials	
Frame	ABS / Galvanized steel / Aluminium
Filter Depth	292mm
Filter Material	Melt-blown non-woven fabric
Separator	Hot melt adhesive
Sealant	Polyurethane

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