



## M-SHII SEMI-HIGH EFFICIENCY MINI-PLEATED AIR FILTER (LOW PRESSURE DROP)

### PRODUCT INTRODUCTION

- The low-pressure drop filter utilizes non-woven fabric as its filtering material and functions without partitions. The non-woven fabric filter core features a deep filtration structure with a uniform pore size distribution, being dense on the outside and loose on the inside. It offers high filtration efficiency and strong resistance to acids and alkalis. It effectively removes suspended particles, fine dust, rust and other air impurities.

### PRODUCT FEATURES

- Low-pressure drop
- Customizable in compact sizes, lightweight and space-saving
- Environmentally adaptable with a wide range of applications
- Chemical resistance and antimicrobial properties

### EFFICIENCY

- E10, E11, E12

### APPLICATIONS

- Fresh air systems, industrial dust removal, indoor air purification, and many other fields

### NAME SPECIFICATION

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Product Specifications						
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Frame Material	Air Velocity (m/s)	Rated Initial Pressure Drop (Pa)		
				E10	E11	E12
12 x 24 x 2	305 x 610 x 50	Paper	1	70	80	90
12 x 24 x 3	305 x 610 x 70	Extruded aluminum / Sheet metal	1	70	80	90
24 x 24 x 2	610 x 610 x 50	Paper	1	70	80	90
24 x 24 x 3	610 x 610 x 70	Extruded aluminum / Sheet metal	1	70	80	90

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

List of Materials	
Frame	Anodized aluminium profiles / Black cardboard / Galvanized steel / Aluminium / Stainless steel
Filter Depth	20~110mm (Varies by frame material)
Filter Material	Melt-blown non-woven fabric
Separator	Hot melt adhesive
Sealant	Polyurethane / Hot melt adhesive
Faceguard	Powder-coated steel faceguard (optional for extruded or sheet metal frames)

Applicable Conditions	
Operating Environment Requirements	≤60°C
Max. operating humidity (extruded aluminum / sheet metal frames)	≤95%RH
Humidity Requirement for Paper Frames	≤80%RH