



M-HII/ M-UII - KE HEPA/ ULTRA EFFICIENCY MINI-PLEATED AIR FILTER (KNIFE EDGE TYPE)

PRODUCT FEATURES

- Mini-pleated design to reduce operating costs
- Ultra-thin design for space-saving installation
- Compatible with gel seal frames for easy installation
- Structural design allows use as an FFU edge frame

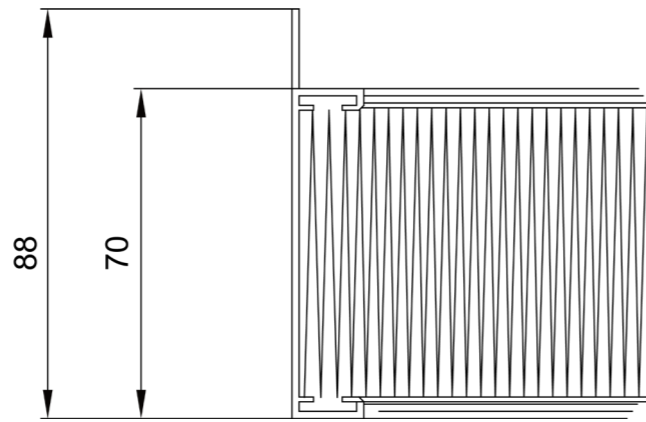
APPLICATIONS

- Widely used in cleanrooms and other fields with strict requirements for air cleanliness.

EFFICIENCY

- 99.95%@MPPS(H13), 99.995%@MPPS(H14)
- 99.9995%@MPPS(U15), 99.99995%@MPPS(U16)

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Frame	Anodized Aluminium profiles
Filter Depth	88mm / 110mm / 130mm
Filter Material	Ultra-fine fiberglass
Separator	Hot melt adhesive
Sealant	Polyurethane
Faceguard	Powder-coated steel faceguard

Applicable Conditions	
Maximum Temperature	70°C (158°F)

NAME SPECIFICATION

□□ - 01 - □□□ - □□□ - □□ - G□ - E□ - GS

- 1 Knife-edge seal, GS1-Upstream knife-edge, GS3-Downstream knife-edge
- 2 Airtight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream (neoprene rubber), EP1-Upstream, EP2-Both sides, EP3-Downstream (pharmaceutical industry EPDM material)
- 3 Faceguard: G0-None, G1-Downstream, G2-Both sides
- 4 Frame material: A-Aluminium
- 5 Dimensions: Width x Height x Dept (WxHxD), unit: mm
- 6 Efficiency: H13, H14, U15, U16
- 7 Manufacturer: Mayair
- 8 Type: Hepa/ Ultra efficiency mini pleated air filter (knife edge type)

Product Specifications								
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Faceguard	Airflow (m³/h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)			
					H13	H14	U15	U16
24 x 24 x 4	570 x 570 x 88	Both sides	470	0.45	100	110	120	140
47 x 24 x 4	1170 x 570 x 88		1,000	0.45	100	110	120	140
24 x 12 x 4	610 x 305 x 88		260	0.45	100	110	120	140
24 x 24 x 4	610 x 610 x 88		550	0.45	100	110	120	140
30 x 24 x 4	762 x 610 x 88		690	0.45	100	110	120	140
36 x 24 x 4	915 x 610 x 88		830	0.45	100	110	120	140
47 x 35 x 4	1170 x 870 x 88		1,550	0.45	100	110	120	140
47 x 47 x 4	1170 x 1170 x 88		2,100	0.45	100	110	120	140
24 x 24 x 5	570 x 570 x 110		470	0.45	75	80	90	110
47 x 24 x 5	1170 x 570 x 110		1,000	0.45	75	80	90	110
24 x 12 x 5	610 x 305 x 110		260	0.45	75	80	90	110
24 x 24 x 5	610 x 610 x 110		550	0.45	75	80	90	110
30 x 24 x 5	762 x 610 x 110		690	0.45	75	80	90	110
36 x 24 x 5	915 x 610 x 110		830	0.45	75	80	90	110
47 x 35 x 5	1170 x 870 x 110		1,550	0.45	75	80	90	110
47 x 47 x 5	1170 x 1170 x 110		2,100	0.45	75	80	90	110
24 x 24 x 5	570 x 570 x 110	470	0.45	60	65	70	85	
47 x 24 x 6	1170 x 570 x 130	1,000	0.45	60	65	70	85	
24 x 12 x 6	610 x 305 x 130	260	0.45	60	65	70	85	
24 x 24 x 6	610 x 610 x 130	550	0.45	60	65	70	85	
30 x 24 x 6	762 x 610 x 130	690	0.45	60	65	70	85	
36 x 24 x 6	915 x 610 x 130	830	0.45	60	65	70	85	
47 x 35 x 6	1170 x 870 x 130	1,550	0.45	60	65	70	85	
47 x 47 x 6	1170 x 1170 x 130	2,100	0.45	60	65	70	85	

- Remark:
1. Performance initial pressure drop tolerance is ±10%
 2. Special dimensions available upon request