

M-HII/ M-UII (PAO TEST) HIGH/ ULTRA EFFICIENCY MINI-PLEATED AIR FILTER (PAO TEST)



PRODUCT FEATURES

- Mini-pleated design to reduce operating costs
- Compact design for wide applications and space-saving storage
- Ultra-thin design for space-saving installation

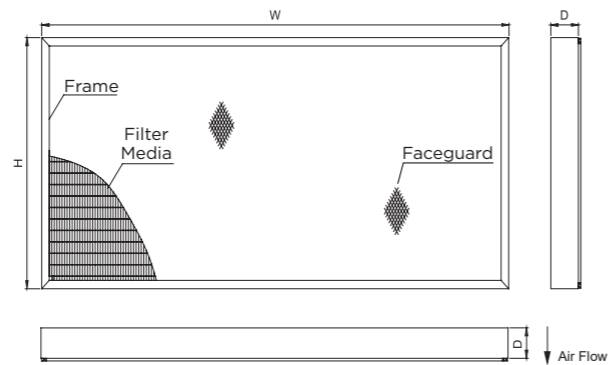
APPLICATIONS

- Efficient air supply ports for pharmaceutical cleanrooms
- Local purification equipment such as laminar flow hoods, clean benches, biosafety cabinets, pass box, etc.
- Efficient filters matching FFU products in cleanroom purification plants

EFFICIENCY

- 99.995%@MPPS(H14)
- 99.9995%@MPPS(U15)

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Frame	Anodized aluminium profiles
Filter Depth	50mm / 70mm / 90mm / 110mm
Filter Material	Ultra-fine glass fiber
Separator	Hot melt adhesive
Sealant	Polyurethane
Faceguard	Powder-coated steel faceguard

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

NAME SPECIFICATION

□□ - 01 - □□□ - □□□ - □□ - G□ - E□

- 1 Sealing gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream (neoprene rubber), EP1-Upstream, EP2-Both sides EP3-Downstream (EPDM material for pharmaceutical industry)
- 2 Faceguard: G0-none, G1-Upstream, G2-Both sides
- 3 Frame material: A-Aluminium
- 4 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 5 Efficiency: 99.995% @ Mpps (H14), 99.9995% @ Mpps (U15)
- 6 Manufacturer: Mayair
- 7 Type: High/ Ultra efficiency mini-pleated air filter

Product Specifications						
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Faceguard	Airflow (m ³ /h)	Face Velocity (m/s)	Rated initial Pressure Drop (Pa)	
					H14	U15
23 x 23 x 1	570 x 570 x 50	Double sided	370	0.35	135	148
47 x 23 x 1	1170 x 570 x 50		780	0.35	135	148
24 x 12 x 1	610 x 305 x 50		200	0.35	135	148
24 x 24 x 1	610 x 610 x 50		420	0.35	135	148
30 x 24 x 1	762 x 610 x 50		540	0.35	135	148
36 x 24 x 1	915 x 610 x 50		650	0.35	135	148
47 x 35 x 1	1170 x 870 x 50		1,200	0.35	135	148
47 x 47 x 1	1170 x 1170 x 50 (with reinforcement rib)		1,640	0.35	135	148
23 x 23 x 2.8	570 x 570 x 70		470	0.45	120	140
47 x 23 x 2.8	1170 x 570 x 70		1,000	0.45	120	140
24 x 12 x 2.8	610 x 305 x 70		260	0.45	120	140
24 x 24 x 2.8	610 x 610 x 70		550	0.45	120	140
30 x 24 x 2.8	762 x 610 x 70		690	0.45	120	140
36 x 24 x 2.8	915 x 610 x 70		830	0.45	120	140
47 x 35 x 2.8	1170 x 870 x 70		1,550	0.45	120	140
47 x 47 x 2.8	1170 x 1170 x 70		2,100	0.45	120	140
23 x 23 x 4	570 x 570 x 90		470	0.45	90	110
47 x 23 x 4	1170 x 570 x 90		1,000	0.45	90	110
24 x 12 x 4	610 x 305 x 90		260	0.45	90	110
24 x 24 x 4	610 x 610 x 90		550	0.45	90	110
30 x 24 x 4	762 x 610 x 90	690	0.45	90	110	
36 x 24 x 4	915 x 610 x 90	830	0.45	90	110	
47 x 35 x 4	1170 x 870 x 90	1,550	0.45	90	110	
47 x 47 x 4	1170 x 1170 x 90	2,100	0.45	90	110	
23 x 23 x 5	570 x 570 x 110	470	0.45	70	85	
47 x 23 x 5	1170 x 570 x 110	1,000	0.45	70	85	
24 x 12 x 5	610 x 305 x 110	260	0.45	70	85	
24 x 24 x 5	610 x 610 x 110	550	0.45	70	85	
30 x 24 x 5	762 x 610 x 110	690	0.45	70	85	
36 x 24 x 5	915 x 610 x 110	830	0.45	70	85	
47 x 35 x 5	1170 x 870 x 110	1,550	0.45	70	85	
47 x 47 x 5	1170 x 1170 x 110	2,100	0.45	70	85	

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