High Efficiency V-Shape Mini-Pleated Air Filter

M-HV



PRODUCT FEATURES

- V-shaped low pressure drop design ensures low resistance
- MIni-pleated design with glass fiber media
- High dust holding capacity and long service life
- Robust construction ensures stable performance under turbulent airflow conditions
- Available in single-flange or flangeless configurations
- Polypropylene frame is fully incinerable

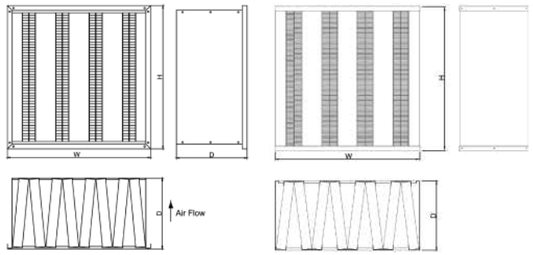
APPLICATIONS

- Medium efficiency filtration for cleanroom HVAC systems as well as commercial and industrial applications
- Suitable for HVAC systems in high-humidity environments
- 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

- 99.95%@MPPS(H13), 99.995%@MPPS(H14)

PRODUCT STRUCTURE DESCRIPTION



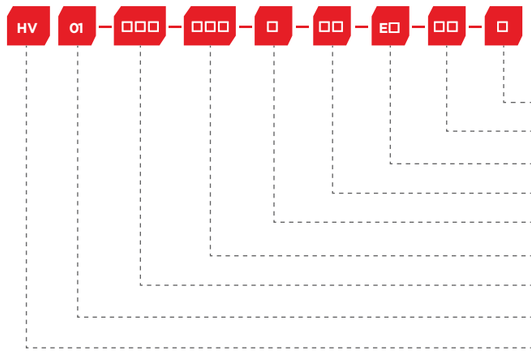
Single flange Flangeless

OPERATING CONDITIONS

- Maximum temperature: 70°C (158°F)

LIST OF MATERIALS	
Frame	ABS / Galvanized steel sheet / Aluminium
Filter Depth	292mm
Filter Material	Water-resistant fiberglass
Separator	Hot melt adhesive
Sealant	Polyurethane

MODEL SPECIFICATION



Airflow Type	N-Standard airflow, H-High airflow
Frame Type	X-Non-flange, D1-Single flange
Airtight Gasket	E0-None, E1-Upstream, E2-Both sides, E3-Downstream
Frame Material	PL-ABS, SG-Galvanized steel sheet, AL-Aluminium
Filter	2-2V, 3-3V, 4-4V, 5-5V
Dimensions (mm)	Width x Height x Depth (WxHxD)
Efficiency	H13, H14
Manufacturer	MayAir
Type	High efficiency V-Shaped mini-pleated air filter

PRODUCT SPECIFICATIONS: STANDARD AIRFLOW

Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Filter Block (V)	Flange (Material)	Airflow		Rated Initial Pressure Drop (Pa / in. w.g.)		Recommended Final Pressure Drop (Pa / in. w.g.)
			None / Single	(m^3/h)	(ft^3min)	H13	H14	
24 x 24 x 12	592 x 592 x 292	4	Single flange (metal frame)	3,400	2,001	270 / 1.09	340 / 1.37	500 / 2.01
24 x 20 x 12	592 x 490 x 292	4		2,800	1,648	270 / 1.09	340 / 1.37	500 / 2.01
24 x 12 x 12	592 x 287 x 292	4		1,500	882	270 / 1.09	340 / 1.37	500 / 2.01
24 x 24 x 12	592 x 592 x 292	5	Single flange (ABS frame)	3,400	2,001	290 / 1.17	350 / 1.41	500 / 2.01
24 x 20 x1 2	592 x 490 x 292	5		2,800	1,648	290 / 1.17	350 / 1.41	500 / 2.01
24 x 12 x 12	592 x 287 x 292	5		1,500	882	290 / 1.17	350 / 1.41	500 / 2.01
24 x 24 x 12	592 x 592 x 292	4		3,400	2,001	320 / 1.29	390 / 1.57	500 / 2.01
24 x 20 x 12	592 x 490 x 292	4		2,800	1,648	320 / 1.29	390 / 1.57	500 / 2.01
24 x 12 x 12	592 x 287 x 292	4		1,500	882	320 / 1.29	390 / 1.57	500 / 2.01

Remarks:
1. Initial pressure drop tolerance is ±15%;
2. Metal frames are available in custom sizes;
3. MayAir reserves the right to modify product specifications, designs, and technical information or to discontinue any product at any time without prior notice;
4. For the most up-to-date product information, please contact our sales representatives.

PRODUCT SPECIFICATIONS: HIGH AIRFLOW

Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Filter Block (V)	Flange (Material)	Airflow		Rated Initial Pressure Drop (Pa / in. w.g.)		Recommended Final Pressure Drop (Pa / in. w.g.)
			None / Single	(m^3/h)	(ft^3min)	H13	H14	
24 x 24 x 12	592 x 592 x 292	4	Single flange (metal frame)	3,400	2,001	250 / 1.00	290 / 1.17	500 / 2.01
24 x 20 x 12	592 x 490 x 292	4		2,800	1,648	250 / 1.00	290 / 1.17	500 / 2.01
24 x 12 x 12	592 x 287 x 292	4		1,500	882	250 / 1.00	290 / 1.17	500 / 2.01
24 x 24 x 12	592 x 592 x 292	5	Single flange (ABS frame)	3,400	2,001	260 / 1.04	300 / 1.21	500 / 2.01
24 x 20 x1 2	592 x 490 x 292	5		2,800	1,648	260 / 1.04	300 / 1.21	500 / 2.01
24 x 12 x 12	592 x 287 x 292	5		1,500	882	260 / 1.04	300 / 1.21	500 / 2.01

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