

V-Bank Medium Efficiency Filter

Product Features

Used for filtration in cleanroom fresh air conditioning systems, intermediate or final filtration at air supply outlets of dust-free workshops, and high-air-volume systems with limited installation space.

1. Large filtration area, high dust-holding capacity, low resistance, reduced operating costs, easy installation, and interchangeable with common bag filters.

2. Exceptional efficiency for fine particles: Captures $\geq 99.99\%$ of $0.3\mu\text{m}$ dust particles

Design airflow up to $4,200\text{m}^3/\text{h}$, suitable for high-air-volume environments.

3. Standard thickness: 292mm (optimized for space-constrained ventilation systems)

Common sizes (W×H×D mm): 287×287×292/2V, 592×287×292/4V, Custom dimensions available.

4. Superior bacterial filtration performance, widely used in Electronics, optics, semiconductors, surface treatment, painting, chemical, biopharmaceuticals, hospitals, automotive industries.



Technical Index

Grade: M6, F7, F8, F9, H10, H11, H12, H13, H14; H15, H16, UH17, UH18, UH19

MERV11, MERV12, MERV13, MERV14, MERV15, MERV16-19

Moisture resistance: 100% RH

Filter object: $\geq 0.5\mu\text{m}$, $\geq 0.3\mu\text{m}$

Filtration Efficiency: 67%, 75%, 85%, 95%, 99%, 99.9%, 99.99%, 99.999 (ASHRAE 52.1-1992)

Heat-Resistant: $\leq 80^\circ\text{C}$

Material characteristics

Filter media: fiberglass or polypropylene

Frame: ABS plastic, Stainless/galvanized steel, Aluminum alloy

Separator: Hot melt adhesive

Sealant: PU two-component polyurethane glue

Sealing Strip: EVA, EPDM, PU

Technical Parameter

Grade	Dimensions (mm) W*H* D	Media area(m ³)	Initial Resistance (Pa)	Final Resistance(Pa)	Wind Velocity Test (m/s)	Rated Air Flow(m ³ /h)
M6	287*287*292/2V	4.58	70	150	2.5	750
	592*287*292/4V	9.91				1600
	490*490*292/3V	12.20				2160
	592*592*292/4V	19.83				3200
F7	287*287*292/2V	4.58	75	180	2.5	750
	592*287*292/4V	9.91				1600
	490*490*292/3V	12.20				2160
	592*592*292/4V	19.83				3200
F8	287*287*292/2V	4.58	100	200	2.5	750
	592*287*292/4V	9.91				1600
	490*490*292/3V	12.20				2160
	592*592*292/4V	19.83				3200
F9	287*287*292/2V	4.58	125	250	2.5	750
	592*287*292/4V	9.91				1600
	490*490*292/3V	12.20				2160
	592*592*292/4V	19.83				3200
H10	287*287*292/2V	4.58	150	450	2.5	750
	592*287*292/4V	9.91				1600
	490*490*292/3V	12.20				2160
	592*592*292/4V	19.83				3200
H13	287*287*292/2V	4.58	250	500	2.5	750
	592*287*292/4V	9.91				1600
	490*490*292/3V	12.20				2160
	592*592*292/4V	19.83				3200
H14	287*287*292/2V	4.58	270	500	2.5	750
	592*287*292/4V	9.91				1600
	490*490*292/3V	12.20				2160
	592*592*292/4V	19.83				3200

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