

V-Bank High-Efficiency Filter

Product Features

V-Bank high-efficiency filters serve as secondary-stage filtration or pre-filters for cleanrooms requiring stringent air purity in HVAC systems. They enhance air quality while protecting downstream main/final filters. Widely deployed across: Industrial & commercial facilities, Pharmaceutical & healthcare environments, Semiconductor & electronics manufacturing, Food processing plants, Animal husbandry operations.

1. Performance Advantages: High airflow capacity with low resistance, Exceptional dust-holding capacity, Heavy-load suitability for constant/variable airflow systems.
2. Standard thicknesses: 220mm, 250mm, 292mm, 305mm. Custom dimensions available.



Technical Index

Grade: M6, F7, F8, F9, H10, H11, H12, H13, H14; H15, H16, UH17, UH18, UH19 Filter object: $\geq 0.5\mu\text{m}$, $\geq 0.3\mu\text{m}$, $\geq 0.1\mu\text{m}$
 MERV11, MERV12, MERV13, MERV14, MERV15, MERV16-19. Filtration Efficiency: 67%、75%、85%、95%、99%、99.9%、99.99%、99.999(ASHRAE 52.1-1992)
 Moisture resistance: 100% RH
 Heat-Resistant: 80°C

Material characteristics

Filter media: Ultrafine glass fiber filter Sealant: PU two-component polyurethane glue
 Frame options: Galvanized steel, aluminum, stainless steel 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)
F9	592*287*292/4V	7.40	125	250	2.5	1600
	592*592*292/4V	14.78				3200
	610*305*292/4V	8.25				1520
	610*305*292/5V	10.32				1680
	610*610*292/4V	16.50				3250
	610*610*292/5V	20.62				3400
H10	592*287*292/4V	7.64	150	450	2.5	1600
	592*592*292/4V	18.13				3200
	610*305*292/4V	9.89				1520
	610*305*292/5V	12.28				1680
	610*610*292/4V	19.12				3250
	610*610*292/5V	24.26				3400
H13	592*287*292/4V	7.64	300	500	2.5	1600
	592*592*292/4V	18.13				3200
	610*305*292/4V	9.89				1520
	610*305*292/5V	12.28				1680
	610*610*292/4V	19.12				3250
	610*610*292/5V	24.26				3400
H14	592*287*292/4V	7.64	320	500	2.5	1600
	592*592*292/4V	18.13				3200
	610*305*292/4V	9.89				1520
	610*305*292/5V	12.28				1680
	610*610*292/4V	19.12				3250
	610*610*292/5V	24.26				3400

Web: www.whalesens.com
 Email: whalesens@gmail.com
 Tel: +8613119189886