

V-Bank Activated Carbon Filter

Product Features

Excellent adsorption performance and gas dynamic properties. Widely applicable for purifying organic gases including toluene, xylene, benzene, naphthalenes, phenols, esters, alcohols, aldehydes, and malodorous gases.

1. Dual-Action Filtration: Captures airborne particles and neutralizes VOCs, odors & toxic gases
2. V-Type Modular Design: Maximizes airflow in limited cross-sectional spaces ,Simplified installation.
3. Structural variants by process/design: Plastic frame FV single-wire modular ,Metal frame FV single-flange modular ,Metal frame HV box-type modular
4. Applications:

Commercial buildings: used in commercial HVAC systems to eliminate odors from cooking, smoking areas, and chemical emissions.

Industrial Settings: manufacturing plants, refineries, and chemical processing facilities, to remove noxious fumes, chemical odors, and hazardous airborne contaminants.

Healthcare Facilities, pharmaceuticals, food Processing



Technical Index

Grade: G4, F5, F6

Moisture Resistance: 80% RH

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

Adsorption Rate: $\geq 30\%$

Filter object: Low concentrations of odors, foul smells, formaldehyde, benzene, ammonia, and other organic compounds.

Instantaneous Temperature Resistance: $\leq 100^{\circ}\text{C}$

Material characteristics

Filter Media: Activated carbon, non-woven fabric

Adsorption Media: Premium granular activated carbon, spherical

activated carbon, activated alumina balls, activated carbon cotton, etc.

Frame options: Plastic(ABS), Galvanized or stainless steel

Support Structure: Paper honeycomb, plastic honeycomb, metal housing.

Technical Parameter

Model	Dimensions (mm) W*H* D	Media area(m ³)	Initial Resistance (Pa)	Rated Air Flow(m ³ /h)
WS-VC01	287*287*292/2V	4.58	75	750
WS-VC02	490*287*292/3V	8.13	75	1300
WS-VC03	592*287*292/4V	9.91	75	1600
WS-VC04	287*490*292/2V	6.87	75	1100
WS-VC05	490*490*292/3V	12.20	75	2000
WS-VC06	592*490*292/4V	14.87	75	2400
WS-VC07	287*592*292/2V	9.16	75	1650
WS-VC08	490*592*292/3V	16.26	75	2650
WS-VC09	592*592*292/4V	19.83	75	3400

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