

Honeycomb Activated Carbon Filter

Product Features

Specially designed for VOCs treatment, spray paint exhaust, industrial exhaust deodorization, and catalytic combustion pre-treatment. Internally honeycomb activated carbon blocks, due to honeycomb structure, very low air resistance, not easy to clog. Stainless steel frame corrosion-resistant, reusable for many years.

Frame options: 201 stainless steel, 304 stainless steel, 316L stainless steel, galvanized steel

Activated carbon options: honeycomb activated carbon, coconut shell honeycomb carbon, water-resistant activated carbon, impregnated activated carbon (for acid/alkali/hydrogen sulfide)



Technical Parameter

Model	Dimensions (mm) W*H* D	Activated carbon quantity	Rated airflow (m³/h)	Initial Resistance (Pa)
WS-HAC	592*592*592	26	3000	≤80
	492*492*292	16	2000	≤70
	287*287*292	9	1000	≤60
	287*287*150	9	800	≤40

Honeycomb Activated Carbon is made from high-quality coal/coconut shell activated carbon by high-pressure molding, high-temperature activation, and special pore size adjustment. It inherits the huge specific surface area and developed pore structure of activated carbon, while solving the problems of high resistance, easy powdering, and easy clogging of granular activated carbon. It is a core material for industrial exhaust treatment and air purification.

Two series: waterproof and non-waterproof, suitable for dry/wet conditions. Widely used for VOCs organic waste gases, acid/alkali odorous gas treatment, with high adsorption efficiency, low resistance, acid/alkali resistance, and regenerability.

Ultra-high adsorption capacity: iodine value covers 400-800 mg/g, can be precisely matched to different pollutants.

Non-waterproof type: high pore openness, fast adsorption, for dry waste gas, indoor air purification.

Waterproof type: special waterproof treatment, moisture-resistant, directly usable in high-humidity waste gas, spray tower outlet, etc., not easily damaged by moisture.

High strength and corrosion resistance: high-pressure molding, high compressive strength, acid/alkali/shock resistant, not easily broken; can be regenerated by desorption under reasonable conditions, reducing replacement cost.

Customization: supports standard and non-standard sizes, can customize different pore sizes and dimensions according to catalytic combustion equipment, waste gas treatment boxes, filter devices (common sizes: 100×100×100mm, 100×100×50mm, 50×50×50mm, etc.).

Parameter	Value
Material	High-quality coal/coconut shell activated carbon (optional)
Iodine value	400, 500, 600, 700, 800 mg/g (optional)
Size	8 common sizes, custom support (common 100×100×100, 100×100×50, 50×50×50 mm)
Cell density	100, 150, 200 cells/in ² (optional)
Temperature range	-20°C to 400°C (waterproof type can withstand short-term higher temperature)
Compressive strength	Longitudinal ≥0.8 MPa, transverse ≥0.3 MPa
Resistance	≤200 Pa/m (at 1 m/s air velocity)
Type	Waterproof, non-waterproof
Suitable conditions	Dry/humid gas environment, pH 3-11

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

Whalesens Technology Co., Ltd