

Washable Plank Air Filter

Product Features

For primary filtration at air inlets of cleanrooms, fresh air systems, AHUs, central AC systems. The sub-frame (skeleton) structure divides the media into multiple cells, each with metal support — no bulging or tearing under high wind speed. Washable, detachable, frame and sub-frame reusable, especially suitable for wind power and large industrial air intake scenarios.

1. Low resistance, reduced energy, high dust-holding, economical.
2. Optional washable media, detachable structure, frame and sub-frame reusable.
3. Standard sizes W x H x D(mm):595 x 595 x 46, 595 x 595 x 96, Customization Available.
4. Widely used in automotive, medical, food & beverage, energy & chemical industries; scenarios: office buildings, conference rooms, hospitals, malls, schools, museums, airports.



Technical Index

Grade: G3, G4; MERV5, MERV6, MERV7, MERV8

Moisture Resistance: 100% RH

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

Filter object: $\geq 5\mu\text{m}$ coarse dust and foreign particles

Filtration Efficiency: 75%, 85%, 95% (ASHRAE 52.1-1992)

Instantaneous Temperature Resistance: $\leq 120^{\circ}\text{C}$

Material characteristics

1. Filter media: polyester filter media, glass fiber filter media
2. Frame: aluminum, galvanized steel, stainless steel
3. Sub-frame: baked paint steel, galvanized steel, stainless steel

Technical Parameter

Model	Filtration Grade	Dimensions (mm) W*H* D	Initial Resistance (Pa)	Final Resistance(Pa)	Rated Air Flow(m ³ /h)
WS-G3-GF	G3(EN799)	595×595×20	30	200	3000
		595*595*46	35	200	3400
		595*595*96	30	200	3400
WS-G4-GF	G4(EN799)	595×595×20	38	250	2800
		595*595*46	50	250	3400
		595*595*96	45	250	3400

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

Whalesens Technology Co., Ltd