

# Activated Carbon Pleat Panel Filter

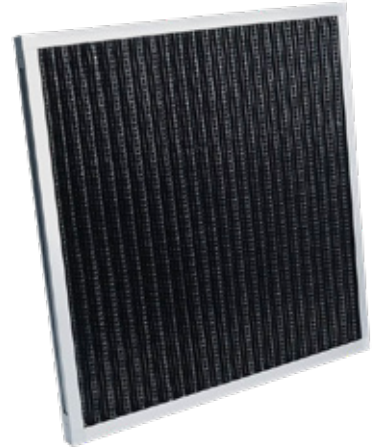
## Product Features

Activated Carbon Pleat Panel Filters combines mechanical particulate filtration (panel/pleat design) with activated carbon adsorption for comprehensive air purification.

1. Dual-Action Filtration: Captures airborne particles and neutralizes VOCs, odors & toxic gases
2. Enhanced Efficiency: Pleated structure maximizes surface area → higher particle retention + extended service life .
3. Low Operating Cost: Minimal initial pressure drop reduces energy consumption.
4. Structural stability, detachable design, replaceable filter media, reusable frame & skeleton\*
5. Applications:

Typically used in HVAC systems to remove gaseous contaminants and airborne particles, creating a comfortable indoor environment

Most used industries: commercial buildings, pharmaceuticals, healthcare facilities, food process, education, etc.



## Technical Index

Grade: G3, G4;

Moisture Resistance: 100% RH

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

Adsorption Rate:  $\geq 25\%$ -35%

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

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

## Material characteristics

Filter Media: Activated carbon filter cotton, carbon-sandwiched non-woven fabric, activated carbon fiber felt.

Frame options: Galvanized steel, aluminum, and cardboard.

Protective Mesh: Galvanized mesh, aluminum mesh, stainless steel mesh, plastic-coated mesh.

Manufacturing Process:

Single-side mesh laminated pleating

Double-side mesh laminated pleating

Dragon skeleton frame pleating (primary-secondary structure)

## Technical Parameter

Model	Filtration Grade	Dimensions (mm) W*H* D	Initial Resistance (Pa)	Final Resistance(Pa)	Rated Air Flow(m <sup>3</sup> /h)
WS-PPC01	G3(EN799)	595*595*20	38	200	3000
WS-PPC02		595*595*96	42	200	3400
WS-PPC03		595*595*120	38	200	3400
WS-PPC11	G4(EN799)	595*595*20	45	260	2800
WS-PPC12		595*595*96	50	260	3400
WS-PPC13		595*595*120	45	260	3400

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