

# DPA Spray Booth Pocket Filters

## Product Features

DPA Paint Mist Filter (also known as Environmentally Friendly New Paint Mist Filter):

Unique bag-style structural design increases filtration area by 3 times compared to traditional flat-panel filters. During spraying processes, large amounts of medium-sized paint mist particles disperse in workshops. The bag filter efficiently intercepts these particles through optimized airflow guidance, ensuring effective air purification, reducing impacts on operators and the environment.

1. Premium 3D diamond-pocket filter media: High paint adsorption capacity, Low resistance (20Pa), High efficiency (99.8%), Long service life.
2. Filter element: Strong water resistance (flame-retardant version available for order)
3. Special synthetic fiber media with anti-adhesive surface treatment, efficiently captures medium-sized paint mist particles (1-5 $\mu$ m).
4. Dimensions: 592 $\times$ 592 $\times$ 320 $\times$ 3P, 590 $\times$ 490 $\times$ 500 $\times$ 3P, Custom sizes available.
5. Applications: Widely used in automotive, furniture industries – paint booths (baking/wet/dry), polishing rooms.



## Technical Index

Grade: G3、G4、EU3、EU4      Filter object:  $\geq 5\mu\text{m}$  ,  $\geq 10\mu\text{m}$  ,  $\geq 20\mu\text{m}$   
Moisture Resistance: 100% RH      Instantaneous Temperature Resistance:  $\leq 120^\circ\text{C}$   
Heat Resistance:  $\leq 100^\circ\text{C}$

## Material characteristics

Filter Media: Special synthetic fiber, strong water resistance (flame-retardant version orderable).

Frame: Aluminum alloy, galvanized iron, stainless steel, plastic, wood.

Sealant: PU two-component polyurethane glue.

Sealing Strip: Polyurethane foam sealing strip, EVA.

## Technical Parameter

| Filtration Grade | Dimensions (mm)<br>W*H* D | Pockets<br>Quantity | Initial Resistance<br>(Pa) | Final Resistance<br>(Pa) | Filtration Area<br>(m <sup>2</sup> ) | Rated Air Flow<br>(m <sup>3</sup> /h) | Paint-Holding<br>Capacity (kg) |
|------------------|---------------------------|---------------------|----------------------------|--------------------------|--------------------------------------|---------------------------------------|--------------------------------|
| G3               | 592*592*320               | 3                   | 30                         | 200                      | 1.14                                 | 3200                                  | 3.42                           |
|                  | 592*592*320               | 4                   | 30                         | 200                      | 1.51                                 | 3200                                  | 4.53                           |
| G4               | 592*592*320               | 3                   | 45                         | 250                      | 1.14                                 | 3200                                  | 3.42                           |
|                  | 592*592*320               | 4                   | 45                         | 250                      | 1.51                                 | 3200                                  | 4.53                           |

Web: [www.whalesens.com](http://www.whalesens.com)  
Email: [whalesens@gmail.com](mailto:whalesens@gmail.com)  
Tel: +8613119189886

Whalesens Technology Co., Ltd