F5, F6, F7, F8, F9 Class Bag Filter

About this product

The bag filters are characterized by the use of hot-melt adhesive, which is a thermoplastic material, to secure the filter media in place within the filter frame. The hot-melt adhesive is applied as a liquid and solidifies upon cooling, creating a strong bond between the filter media and the frame, which ensures that the filter media remains securely in position, even under high airflow conditions.
This bag filter media consists of a graduated multi-layer structure with each layer having a different density or filtration capability. Larger particles are captured near the surface, while smaller particles are caught in the denser, inner layers.

Applications

· **Commercial Buildings:** used in the HVAC systems of offices, malls, and hotels to maintain indoor air quality.
· **Industrial Facilities:** manufacturing and chemical production, often require effective air filtration for worker health and product quality.
· **Hospitals and Healthcare:** essential in healthcare settings to maintain sterile environments and protect patients and staff from airborne contaminants.
· Suitable for serving as a pre-filter in **paint booths** in **the coating industry**.

Specifications

- Grade: F5, F6, F7, F8, F9
- Frame options: Stainless steel, aluminum alloy, or ABS
- Graduated density structure enhances efficiency
- Secure seal at the connection ensures no air bypass or leaks under a high airflow rate
- 3 small pockets in each row divert and equalize the airflow, keeping bags in shape for better performance and lower energy consumption
- Long filter service life and high dust-holding capacity.

Dimensions (mm) W*H* D	592*592*600				
Filtration Grade	F5	F6	F7	F8	F9
Air Flow (m³/h)	3400	3400	3400	3400	3400
Initial Resistance (Pa)	35	65	85	95	125
Final Resistance Recommended (Pa)	450	450	450	450	450
Average Weight Efficiency	90%	96%	98%	>98%	>98%
Initial Efficiency	–	50%	60%	85%	93%

Dust Holding Capacity (g/□)	1850	1200	1400	650	500
Temperature (°C)	100	100	100	100	100
Max Ambient Temperature (°C)	80	80	80	80	80

Technical Specifications