

Multi-layer kraft paper filter

Multi-layer kraft paper filters are designed to capture mist and overspray in spray booths for paint or liquid products. This filter is composed of several layers of flame-retardant kraft paper, slit, stretched, and layered using the baffle filter principle. It is available in four versions, with an evolving number of paper layers depending on the volume and type of product being sprayed.

Some versions include an additional polyester wool filter on the air exit side to enhance filtration precision.

A key advantage of this filter is its thin structure, making it suitable for use with flat surface paint/varnish spraying robots.

Since 1992, Technicis Filtration has been a leading manufacturer of paint arresting filters for industrial spray booths.



Standard height

- 1,07m
- Other dimensions available on demand

Performance

- Efficiency : up to 98% (depending on the version)
- Initial pressure drop : from 10 to 30 Pa (depending on the version)
- Retention capacity : de 4 à 15kg/m² (depending on the version)

Applications

Mist and paint overspray arrestor for :

- WOOD : Varnishes / Veneers / Windows / Doors / Kitchens / Furniture / Industrial Carpentry
- METAL : Paints / Framework / Steel & Aluminium / finishing
- PLASTICS: Paints / UV paints / Automotive / Aeronautics / Cosmetic industry
- COMPOSITES: Gelcoat / Resins / Automotive / Aeronautics
- GLASS: Paints / UV paints / Automotive / Cosmetic industry
- LEATHER/SKINS: Pigmentation / Tanning / Finishing

Raw materials

- Layers of kraft paper (M2)
- Polyester media filter (depending on the version)

Recommended operating characteristics

- Recommended frontal air velocity: from 0.30 to 1 m/s
- Operating air velocity: from 1200 to 3600 m³/h.m²
- Δp at 0.5 m/s: 3mmH₂O / 30 Pa
- Maximum acceptable value at 0.5 m/s: 15 mmH₂O / 150 Pa

Versions

- 6 layers paper
 - 8 layers paper
 - 5 layers paper + polyester media filter
 - 7 layers paper + polyester media filter
- Contact Us to Find the Model Best Suited for Your Application