

Pleated Cardboard Filter – Standard *Accordion / Concertina / V-Type filter*

The pleated cardboard filter is the most commonly used filter for air extraction in industrial spray booths worldwide, as it stands out for its high retention capacity and unmatched lifespan.

This filter is particularly suited for capturing mist and overspray of wet and sticky particles (such as paints, varnishes, resins, glues, etc.).

It is made up of two layers of recycled cardboard, perforated and pleated like an accordion, giving it a linear pressure drop curve similar to water curtain booths.

Technicis Filtration is the leading French manufacturer of pleated cardboard filters for paint booths, and also offers high-efficiency and large-capacity versions. These filters have been manufactured at our factory in Nantes since 1992.

Standard heights

- 1,25m
- 1,20m
- 1,10m
- 1m
- 0,90m
- 0,75m
- 0,70m

Other dimensions available on demand

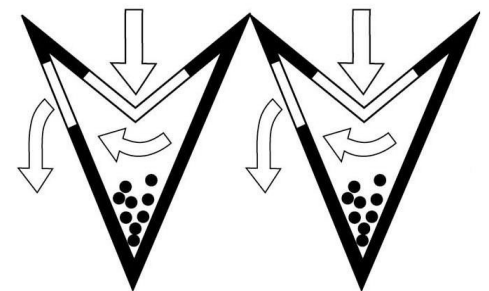
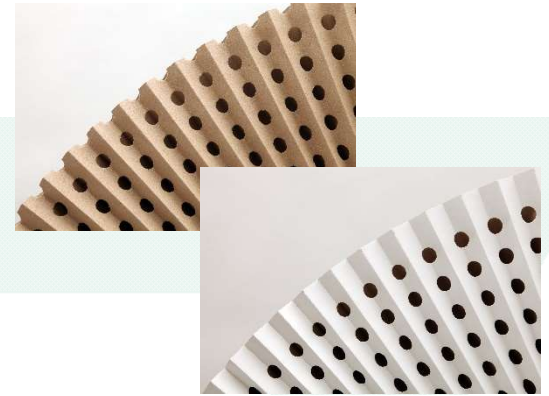
Recommended operating characteristics

- 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: 2 mmH₂O / 20 Pa
- Maximum acceptable value at 0.5 m/s: 15 mmH₂O / 150 Pa

Applications

Spray booths 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

- 2 layers of recycled interkraft cardboard, 250g/m²
- Light pearlescent treatment to improve humidity and moisture resistance
- Perforation, pleating, and assembly with water based glue

Performance

- Separation efficiency: Up to 95% depending on the sprayed product
- Suitable for filtering wet or sticky oversprays, whether water-based or solvent-based
- Retention capacity: From 5 to 18 kg/m² depending on the nature and density of the sprayed product

Available colors

- Brown face
- White face

European and global standards

- Technicis filters have been tested by an institute certified by the European Union. In accordance with ATEX 94/9/EC, there is no electrostatic risk, and they are not a source of explosion in an environment classified as 'explosive,' such as a paint booth.
- Technicis filters contribute to environmental protection in compliance with ISO 14000.