Aero Pleat P - Perforated Cardboard for Paintbooth

Aerofil offers another exceptional product for overspray collection - Aero Pleat P. These are perforated cardboard filters that work on the principle of intertia. This filter design obliges the charged airflow to change direction several times. The particles heavier than air then adhere to the walls while the airflow continues unhindered. The accordion pleats become filled with particles while the air flows freely throught the holes, even when the filter is close to being saturated. The geometric design of the filter makes it stiff so that it only requires suppport at the top and bottom but not in the middle.

Aerofil Models

Aero Pleat P SC

Perforated cardboard filters used in overspray collection with standard capacity

Aero Pleat P HC

Perforated cardboard filters used in overspray collection with high capacity

Features

- Low resistance to air / maximum filter efficiency.
- Frontal speed : 1 Meter per second
- Lasts up to six times longer than any other filter type
- Lower shipping and storage costs
- Retention capacity up to 15 Kg/M2
- Standard dimension: length 10M, width 0.75M, 0.90M/1M

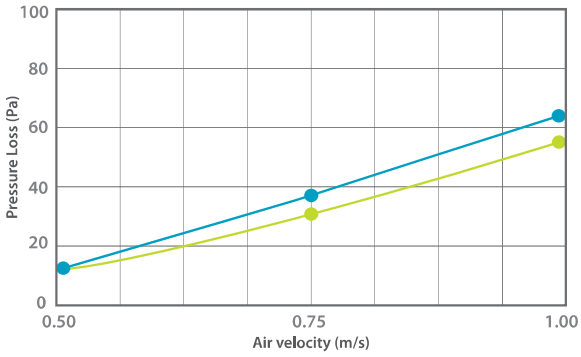
All types of dry and wet booths can be converted to use Aero Pleat P

Technical Data

Standard Capacity	
Efficiency	98.2%
Recommended Air velocity	0.25 to 1 m/s
Recommended Maximum pressure drop	128 Pa

High Capacity	
Efficiency	99.4%
Recommended Air velocity	0.25 to 1 m/s
Recommended Maximum pressure drop	128 Pa

Clean air resistance Vs. Air velocity



Filter applications

Cheese, Chocolate, Glue, air dried enamel, asphalt, varnish, epoxy, thermosetting plastics, fiberglass, enamel for vitrification, gel coat, high dry extract, nitrocellulose paints, air dried primer, tar, Teflon, Polyurethane, water soluble vinyl, tinted varnish, sealer, putty, milk powder, silicone, dust, powder, dry residue, occasional spraying of paint powder.

Selection Data

Airflow Vs. initial pressure drop			
Airflow (m/s)	0.5	0.75	1.00
● **Aero Pleat P SC** (Pa)	12	55	30
● **Aero Pleat P HC** (Pa)	12	62	37

All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notices due to the constant technical improvement.