

TECHNICAL DOCUMENTATION

PROCART

100 % NATURAL SPRAY BOOTH
EXTRACTION FILTER



The **PROCART** filter has become renowned for its efficiency. The perforated accordion design of the filter enables airflow to continually change direction through inertia separation. This ensures that particules in the air are deposited on the filter without restricting airflow.



DÉSIGNATION

The **PROCART** filter has been specially designed to fit spray booths both horizontally and vertically. The filter has a V-shaped design, with holes perfectly aligned, so retaining 4 to 6 times more important overspray compared to conventional filters (such as glass fibre or paper) i.e approximately 15 Kg / m². Moreover, even if the **PROCART** filter is saturated with paint overspray, airflow remains constant, rather than losing speed in the extraction system through the filter clogging up with dried paint, as with classical filters.

The quality of the selected materials in the filter (specially manufactured recycled papers, water-based glue) provides the filter with a significant rigidity (230g/m²).

Also, the completely automatic manufacturing process ensures regular and homogeneous production with no punching flaws or irregular gaps between the folds.

The **PROCART** spray booth extraction filter is both economical and performant.



Procart filter in booth-vertical



Procart filter in booth-horizontal

PACKAGING

STANDARD SIZES	0.75 by 10 METERS	0.90 by 10 METERS	1 by 10 METERS
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OTHER SIZES please consult us

NUMBER OF CARDBOARD FILTERS ON EACH PALLET 50



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CHARACTERISTICS

DEPTH	: 55 mm
RECOMMENDED AIRSPEED	: 0.5 to 1M/S
DEPRESSION	: 0.5 M/S 13 PA
	0.75 M/S 30 PA
LOSS OF LOAD - NEW STATE	: 0.5 for 0.75 m/s (20PA)
(in mm of water stream)	
MAXIMUM LOSS OF LOAD	: 9 for 0.75 m/s (155 PA)
(in mm of water stream)	

Contrary to other filters, the PROCART filter increases in efficiency as it fills with paint; depending on the quality of the paint, efficiency reaches 98.2 % (high solids).



DETAILED FITTING INSTRUCTIONS

To ensure optimum efficiency, it is essential to fit the **PROCART** filter as described below :

Spread the filter out in front of the spray booth, small folds towards you.

Arrange the folds at regular intervals of 25 folds per linear metre (50 folds per metre to filter dry residue).

The first fold should be fixed to the left side lateral jamb of the opening and the last fold to the right side lateral jamb.

The filter should be supported at the top and the bottom against a wall at least 25 mm high to avoid the filter being swept away by the air flux; the filter should therefore be at least 50 mm higher than the booth.

The speed of the air flux should not exceed 1 metre /second. If, when filling with paint, the filter tends to fall forwards because the air flow is not strong enough to keep it in place, insert the upper part of the filter into a U- shape above the opening of the booth (see diagram).

Please note that having at least 25 folds per linear metre is essential for optimum efficiency.

