

Espace d'activités Kermelin-nord - rue Lavoisier - 56890 SAINT-AVÉ - FRANCE Service export : TEL : (33) 2 97 60 68 33 - FAX : (33) 2 97 27 90 25 Site web : www.profilt.net

FILTER

TECHNICAL

PROCA

IOO % 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

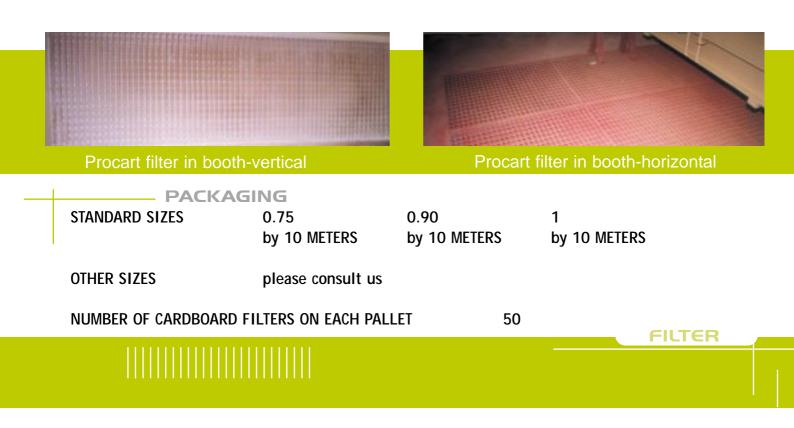
The **PROCART** filter has been specially designed to fit spray booths both horizontally and vertically. The filter has a V-shaped design, with holes perfectly aligned, so retaining 4 to 6 times more important overspray compared to conventional filters (such as glass fibre or paper) i.e approximately 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 rigidness (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.





(in mm of water stream)

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FILTRATION

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Descent Standard Street CHARACTERISTICS 55 mm DEPTH 55 mm RECOMMENDED AIRSPEED 55 mm DEPRESSION 55 mm LOSS OF LOAD - NEW STATE 55 mm (0.5 to 1M/S) LOSS OF LOAD - NEW STATE 0.5 for 0.75 m/s (20PA) MAXIMUM LOSS OF LOAD 9 for 0.75 m/s (155 PA)

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 lateal 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.