

GAMMA series, high arrestance throwaway panels



PFAC-4 / PFAC-5

Product	PFAC/4	PFAC/5
UNI EN 779 class	G 4	F 5
EUROVENT class	EU 4	EU 5
A_m ASHRAE52.1.1992	92 %	---
E_m ASHRAE52.1.1992	---	45 %
Suggested final pressure drop	200 Pa	200 Pa
Maximum pressure drop	250 Pa	250 Pa
Maximum operating temperature	70 °C	70 °C
Pleated filter media	synthetic / cotton	synthetic / cotton

PFAC/4 & PFAC/5 panels have a high filtration efficiency, limited pressure drop and high dust holding capacity.

They are fitted with a humidity-proof, punched carton frame; the filter medium is a blend of synthetic and cotton fibers, pleated and held into position by stretched aluminum grids.

The medium is fixed to the frame through a very strong anti-aging external glue.

PFAC/4 - PFAC/5 panels come with two different frame thickness: 48 and 98 mm, which have pressure drop levels between 80 and 120 Pa, according to the models.

The pleated panels offer a filtration surface which is double or three times the flat panels of the same size. Thanks to their high filtration efficiency, strong construction, high dust holding capacity and high manufacturing quality these filters are widely used in conditioning and ventilation systems.

They offer a long operating life with very low fan energy consumption levels.

PFAC/4 - PFAC/5 panels are disposable filters and must be eliminated at the end of their operative life.

Applications

PFAC/4 - PFAC/5 panels can be use in a variety of different sectors:

- ! air treatment plants and independent roof-top conditioners, used as pre-filters upstream of high efficiency filters
- ! autonomous close control conditioners
- ! civil and commercial ventilation systems painting booth exhaust systems

Installation

PFAC/4 - PFAC/5 filters are generally installed perpendicular to the air flow, with the pleats in vertical position.

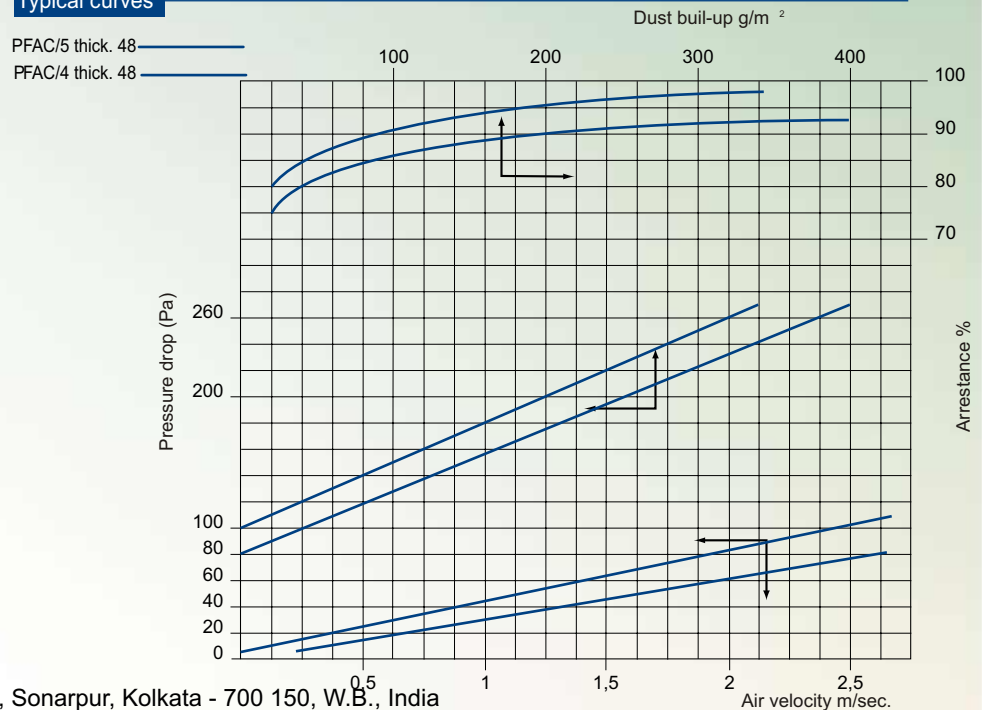
They are installed in U-shaped guides which makes them easy to remove at the end of their operating life.

The filters can be burned which makes them easy to eliminate.

Type	Dimensions (mm)			Nominal air rate flow		Filtrat. media m ²	Initial pressure drop Pa
	A	B	C	m ³ /h	m ³ /s x 10 ⁻³ *		
PFAC/4	287	x 592	x 48	1400	389	0,6	80
PFAC/4	400	x 500	x 48	1650	458	0,6	80
PFAC/4	400	x 625	x 48	2100	583	0,7	80
PFAC/4	500	x 500	x 48	2100	583	0,7	80
PFAC/4	500	x 625	x 48	2600	722	0,9	80
PFAC/4	592	x 592	x 48	3000	833	1,1	80
PFAC/4	287	x 592	x 98	2000	556	1	120
PFAC/4	400	x 500	x 98	2300	639	1,1	120
PFAC/4	400	x 625	x 98	2900	806	1,3	120
PFAC/4	500	x 500	x 98	2900	806	1,3	120
PFAC/4	500	x 625	x 98	3700	1028	1,7	120
PFAC/4	592	x 592	x 98	4200	1167	1,9	120
PFAC/5	287	x 592	x 48	1400	389	0,6	100
PFAC/5	400	x 500	x 48	1650	458	0,6	100
PFAC/5	400	x 625	x 48	2100	583	0,7	100
PFAC/5	500	x 500	x 48	2100	583	0,7	100
PFAC/5	500	x 625	x 48	2600	722	0,9	100
PFAC/5	592	x 592	x 48	3000	833	1,1	100

*1 m³/s x 10⁻³ = 1 l/s

Typical curves



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