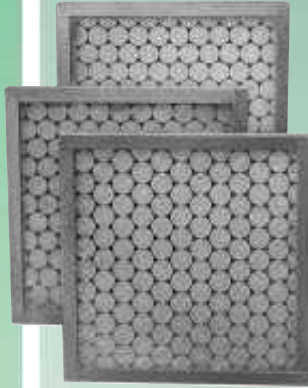


GAMMA series, disposable filter panels



PFPC 23 THICK - PFPC 48 THICK

Product	PFPC 23 thick	PFPC 48 thick
UNI EN 779 class	G 2	G 3
EUROVENT class	EU 2	EU 3
Am ASHRAE52.1.1992	65 - 70 %	83 %
Suggested final pressure drop	200 Pa	200 Pa
Maximum pressure drop	250 Pa	250 Pa
Maximum operating temperature	70 °C	70 °C
Flat filter media	FG 1	FG 2

PFPC filter panels are fitted with glass fiber media, continuous and uniformly distributed and joined with a special adhesive. The media have an increasing density in the air flow direction to assure a higher dust holding capacity and a lower pressure drop compared to similar models. The frame is made of strong punched carton with media holding elements. Pressure drop levels are very low and this contributes to limiting the consumption of energy of the fan of the system. The filters are fitted with two different media: either 23 or 48 mm thick, which have clean filter pressure drop levels of 15 and 25 Pa, respectively. These filters are disposable type. They come in different sizes with different air flow rates to meet the requirements of most of the applications.

Applications

PFPC filtration panels are used especially in civil and commercial facilities:

- Independent conditioning units, hot air generators.
- Roof top conditioning units like first filtration stage upstream of higher efficiency filters
- Painting booth exhaust systems
- General ventilation applications

Installation

PFPC filter panels are installed in U-shaped guides that make them very stable and make them easily removable.

They can be installed in two different ways:

- flat, for low face speeds, up to 1.5 m/s
- V-position, for face air speeds up to 2.5 - 3 m/s in proper counter-frames They can be installed both vertically and horizontally in proper counter-frames CT 10/20/30.

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*}		
PFPC	287	x 592	x 23	850	236	0,17	15
PFPC	395	x 495	x 23	1000	278	0,20	15
PFPC	395	x 620	x 23	1250	347	0,25	15
PFPC	495	x 495	x 23	1250	347	0,25	15
PFPC	495	x 620	x 23	1570	436	0,31	15
PFPC	592	x 592	x 23	1800	500	0,35	15
PFPC	287	x 592	x 48	850	236	0,17	25
PFPC	395	x 495	x 48	1000	278	0,20	25
PFPC	395	x 620	x 48	1250	347	0,25	25
PFPC	495	x 495	x 48	1250	347	0,25	25
PFPC	495	x 620	x 48	1570	436	0,31	25
PFPC	592	x 592	x 48	1800	500	0,35	25

*1 m³/s x 10³ = 1 l/s

Typical curves

