

Panel goffered prefilters of type PGPF

Panel prefilters of type PGPF are used for cleaning of supply and recirculation air in systems of general ventilation and air-conditioning in rooms of various purposes in household, administrative and industrial buildings.

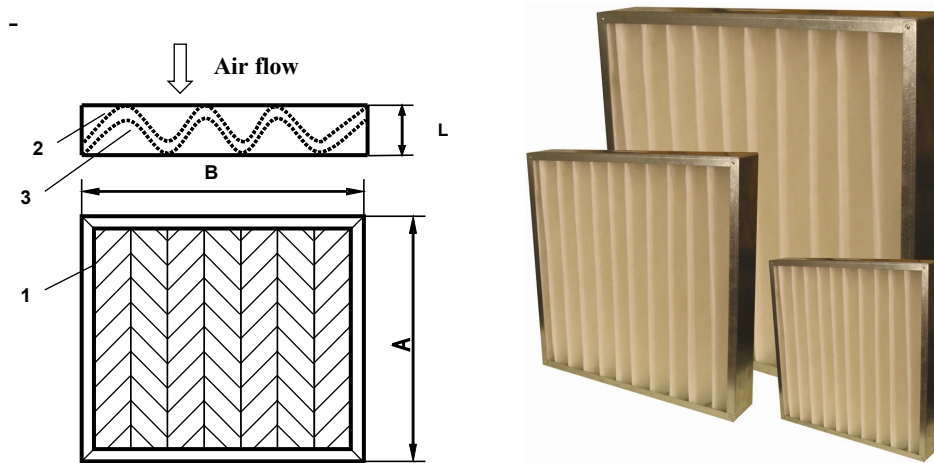


Fig. 1 Scheme of filter PGPF

CHARACTERISTICS

Table 1

Class of filter PGPF by EN 779	Specific air flow, $\text{m}^3/\text{h}\cdot\text{m}^2$	Pressure drop, Pa		
		Initial		Final
		Depth, L, mm		
		48	100	
G3 (EU3)	7000-10000	40-70	30-55	250
G4 (EU4)	7000-10000	50-80	40-60	250

The filters are operational and keep their characteristics at air temperature from -40°C to $+90^\circ\text{C}$.

BASIC DIMENSION-TYPES

Table 2

Filter index PGPF	Dimensions, mm			Air flow, m ³ / h	Weight, kg
	Height A	Width B	Depth L		
3(4)050	500	500	48	1750-2500	1,4
3(4)052	592	592	48	2500-3500	1,7
3(4)051	592	287	48	1250-1750	1,0
3(4)054	592	490	48	2000-2900	1,4
3(4)053	287	490	48	1000-1800	0,9
3(4)056	610	610	48	2600-3700	1,8
3(4)055	610	305	48	1300-1850	1,1
3(4)0501	287	287	48	570-850	0,5
3(4)0505	305	305	48	650-930	0,6
3(4)058	892	287	48	1800-2500	1,7
3(4)059	892	490	48	3100-4400	2,8
3(4)057	892	592	48	3700-5300	3,4
3(4)100	500	500	100	1750-2500	2,5
3(4)102	592	592	100	2500-3500	2,8
3(4)101	592	287	100	1250-1750	1,8
3(4)104	592	490	100	2000-2900	2,5
3(4)103	287	490	100	1000-1800	1,6
3(4)106	610	610	100	2600-3700	3,0
3(4)105	610	305	100	1300-1850	1,9
3(4)1001	287	287	100	570-850	1,6
3(4)1005	305	305	100	650-930	0,9
3(4)108	892	287	100	1800-2560	2,8
3(4)109	892	490	100	3100-4400	3,8
3(4)107	892	592	100	3700-5300	4,1
Other dimension-types of filters can be manufactured by request					

GENERAL DESIGN

Filters PGPF (fig.1) consists of framework (1) made of cardboard or galvanized steel, inside which goffered filtering medium (2) is laid, supported on the air outlet side by mesh of goffered shape (3).

MAINTENANCE

When filters are in operation it is necessary to check their pressure drop by readings of manometer attached to connecting pipes, arranged in walls of air cleaning chambers before and after filters.

Upon reaching pressure difference recommended for this filter, or based on available system pressure, it is necessary to replace filters.

