



FILTER MEDIA PSF-SERIES (G2/G3/G4)

- **PRE AND COARSE FILTRATION BARRIER** to the air intake systems in general ventilation and air handling systems
- **SELFEXTINGUISHING** according DIN 53438-F1
- **100% SYNTHETIC**

DESCRIPTION

Filtrair PSF-series are designed for coarse filtration of the air intake in general ventilation and air handling systems installed in public buildings, offices, factories and equipment of all kinds. The products are suited for high air volume applications which are heavily contaminated. The Filtrair PSF media combine a high dust holding capacity with a low pressure drop and are therefore extremely cost effective with a long filter life.

Synthetic fiber-based filter media developed and produced at Filtrair high-tech media plant based in The Netherlands. The filter media are constructed from selected high performance, non-breakable fibers in a progressive density multi-layering technique to ensure high depth loading with optimal lowest pressure drop performance, to achieve gravimetric arrestance in accordance with EN 779:2012 standard ratings.

PSF-series are thermally bonded to prevent fiber release. The clean air sides can be imprinted for easy identification to ensure the correct installation in pad, roll or pocket format.

PSF-series requires minimum order quantities.
PSF-series are available in Filtrair print or filter class print.

FLAMMABILITY RATINGS

Filtrair PSF-series conform to German fire classification standards (DIN 53438-F1) and are self-extinguishing. They are resistant to evaporated solvents and are produced in a 100% silicone-free environment.

FEATURES AND BENEFITS

Filtrair PSF-series are specially designed to be used in

- **GENERAL AIR HANDLING UNITS**
- **AIR CONDITIONING SYSTEMS**
- **VENTILATION SYSTEMS OF ALL KINDS**
- **AIR INTAKE PRE-FILTRATION BANKS**
- **HOUSE HOLD APPLICATIONS**

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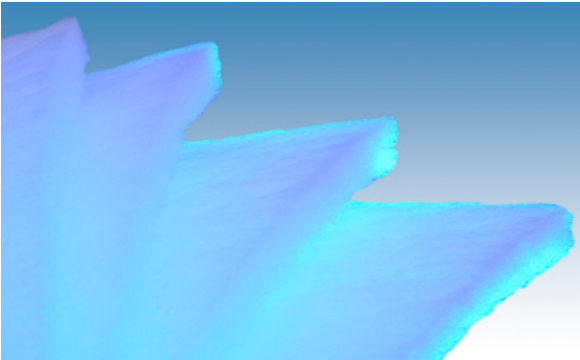
TECHNICAL DATA

Product	Unit	PSF-100	PSF-200	PSF-300
Rated air flow	cfm	3180	3180	3180
Air velocity	fpm	295	295	295
Initial pressure drop	"WG	0.10	0.15	0.17
Final pressure drop	"WG	1.00	1.00	1.00
Filter class per EN779:2012	-	G2	G3	G4
Average Arrestance	%	79	82	91
Dust holding capacity (Ashrae dust) 250 Pa	oz/ft2	145	210	175

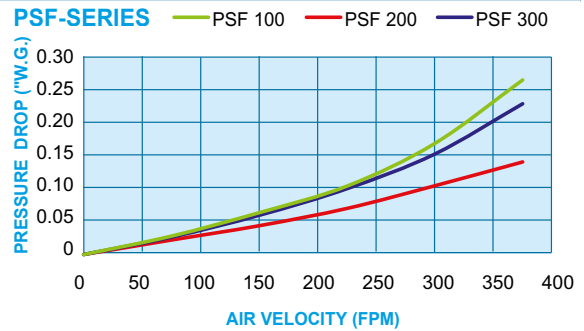
APPLICATION PARAMETERS

Product	Unit	PSF-100	PSF-200	PSF-300
Temperature resistance, constant	°F	≤ 210	≤ 210	≤ 210
Temperature resistance, short peaks	°F	<248	<248	<248
Nominal thickness	inch	0.55	0.79	0.87
Relative humidity	%	100	100	100
Regenerable/washable	-	yes	yes	yes
Roll sizes standard		40" x 131' 80" x 131'	40" x 67' 80" x 67'	40" x 67' 80" x 67'

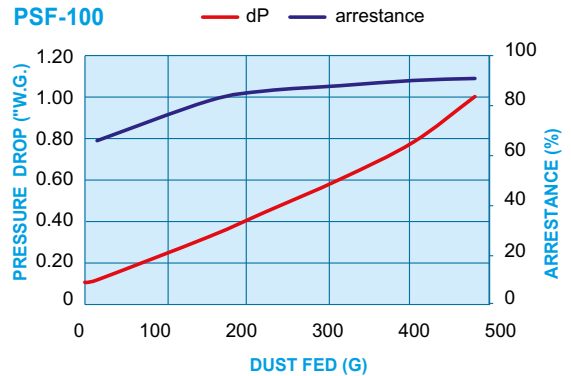
PRE AND COARSE FILTRATION BARRIER



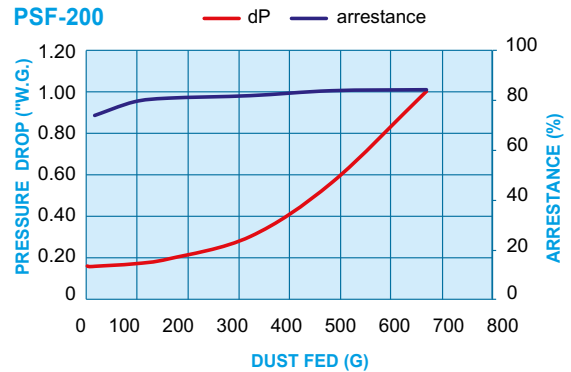
PRESSURE DROP vs AIR FLOW RATE



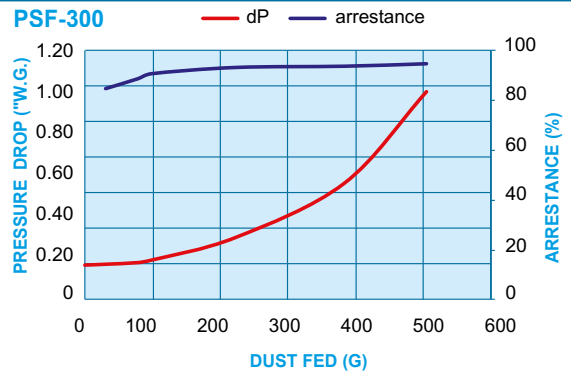
DUSTLOADING vs PRESURE DROP vs ARRESTANCE



DUSTLOADING vs PRESURE DROP vs ARRESTANCE



DUSTLOADING vs PRESURE DROP vs ARRESTANCE



All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notice. Specific performance data will require our written confirmation. Filtrair® is the registered trade mark of Filtrair bv.

