



FILTER MEDIA PSF-SERIES

- **PRE AND COARSE FILTRATION BARRIER** to the air intake systems in general ventilation and air handling systems
- **SELFEXTINGUISHING** according to 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

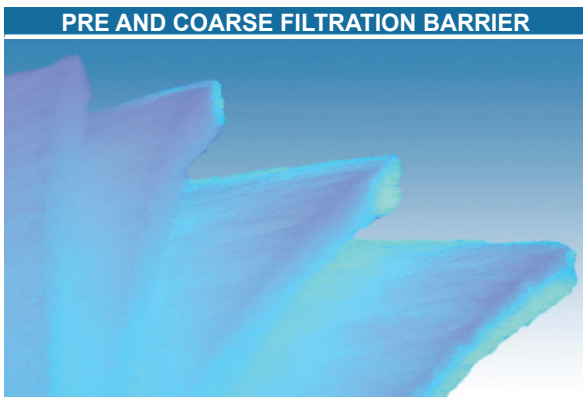
- **GENERAL AIR HANDLING UNITS**
- **AIR CONDITIONING SYSTEMS**
- **VENTILATION SYSTEMS OF ALL KINDS**
- **AIR INTAKE PRE-FILTRATION BANKS**
- **HOUSE HOLD APPLICATIONS**

FILTER MEDIA PSF-SERIES

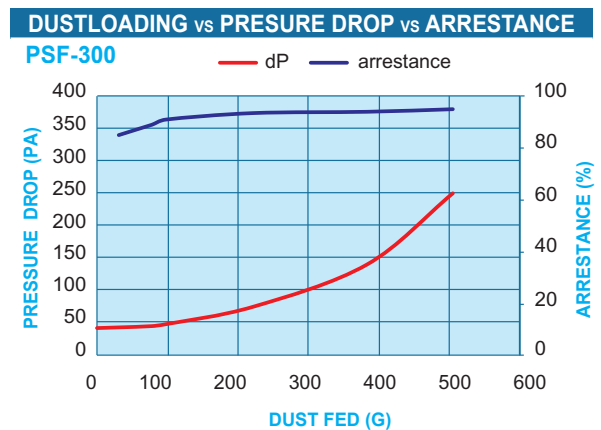
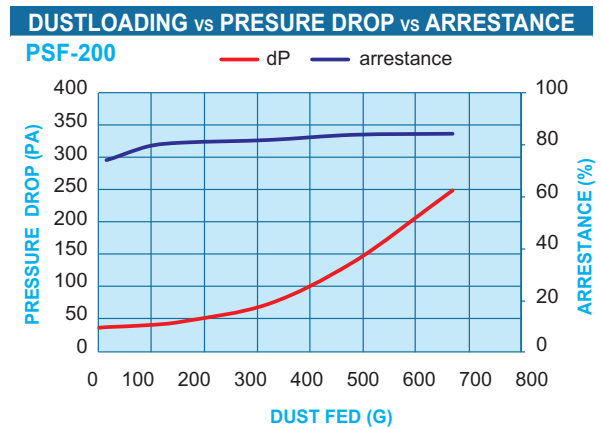
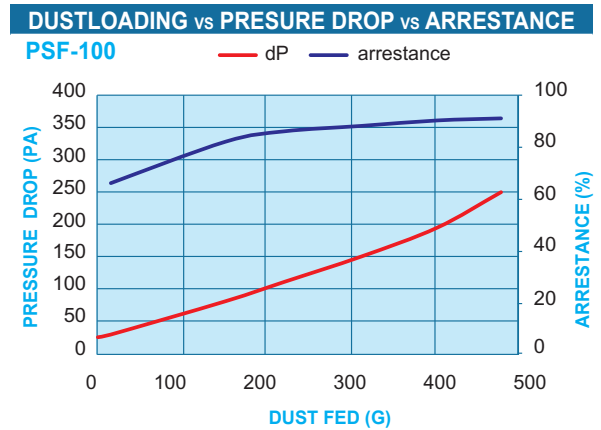
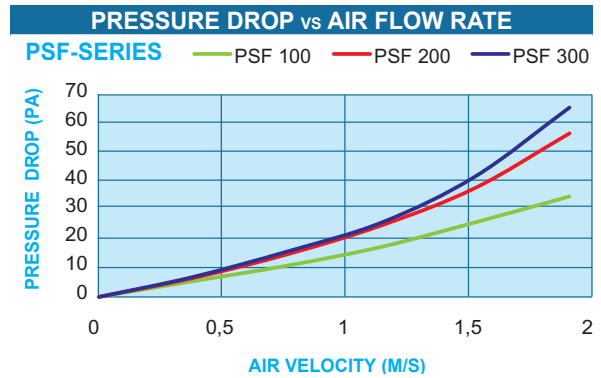
TECHNICAL DATA				
Product	Unit	PSF-100	PSF-200	PSF-300
Rated air flow	m ³ /h/m ²	5400	5400	5400
Air velocity	m/s	1,5	1,5	1,5
Initial pressure drop	Pa	26	38	42
Final pressure drop	Pa	250	250	250
Filter class per EN779:2012	-	G2	G3	G4
Average Arrestance	%	79	82	91
Dust holding capacity (Ashrae dust) 250 Pa	g/m ²	380	550	460

ISO 16890 TECHNICAL DATA				
Product	Unit	PSF-100	PSF-200	PSF-300
Class To ISO 16890		ISO coarse	ISO coarse	ISO coarse
		50%	60%	65%
Initial gravimetric Arrestance	%	52	63	67

APPLICATION PARAMETERS				
Product	Unit	PSF-100	PSF-200	PSF-300
Temperature resistance, constant	°C	≤ 100	≤ 100	≤ 100
Temperature resistance, short peaks	°C	<120	<120	<120
Nominal thickness	mm	14	20	22
Relative humidity	%	100	100	100
Regenerable/washable	-	yes	yes	yes
Roll sizes standaard		1x40m	1x20m	1x20m
		2x40m	2x20m	2x20m



PRE AND COARSE FILTRATION BARRIER



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.

