



DESCRIPTION

The PSF media are synthetic fibre-based filters designed and manufactured at Filtrair's own high-tech media plant. The media are constructed from selected high performance, non-breakable fibres in a progressive density multi-layering technique to ensure high depth loading with and optimal low pressure drop, while achieving gravimetric arrestance and efficiency levels in accordance with EN779 standards ratings.

The PSF series is thermally bonded in part and stiffened to ensure high dust holding capacity. The PSF series has been developed as budget line of filter media for those customers that require a lower initial purchase price than the higher quality VNF series.

The Filtrair media conforms to all EU and U.S. fire classification standards (e.g. DIN 53438-F1 and UL 900-class 2) and are self-extinguishing.

FEATURES

- Available as bulk media rolls, or pads cut to size
- Conforms to U.S and EU fire classification standards
- Low initial purchase price
- Graduated density

- High dust holding capacity
- Washable media that can be serviced up to ten times
- 100% synthetic media.
- Low initial pressure drop
- Can be manufactured into cut pads, panel filters (including VF style) and extended surface pocket filters

APPLICATIONS

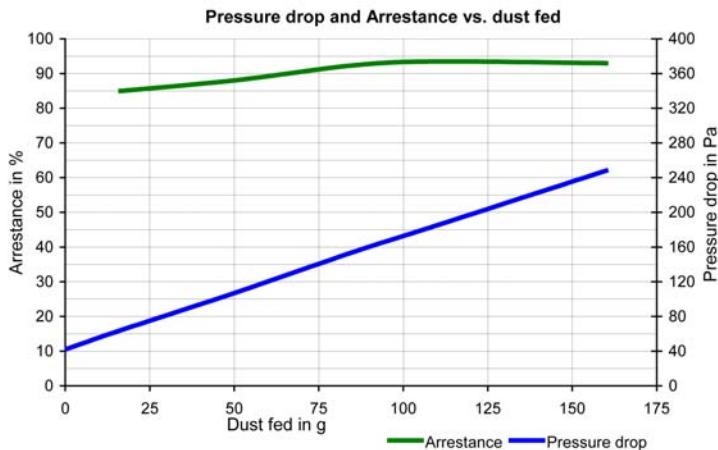
Filtrair's PSF 300 media is designed as an economical air filter media for use as prefiltration or coarse filtration in general ventilation and air handling systems installed in public buildings, offices, factories and equipment of all kinds. The PSF series combines a high dust holding capacity with a relatively low pressure drop and is therefore extremely cost effective with a long filter life.

SERVICE/MAINTENANCE

Service to all washable filters can be performed by simply washing in cold water and mild detergent up to 10 times, using an approved washing facility. This service can also be carried out by our trained service technicians if required (ask our representative about our competitive service/maintenance contracts).

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FILTRATION TECHNICAL PERFORMANCE CHARACTERISTICS (according to EN779, ANSI/ASHRAE 52.1–1992)



The above figures are based on a tested sample size of 0.31m²

TECHNICAL DATA – PSF SERIES

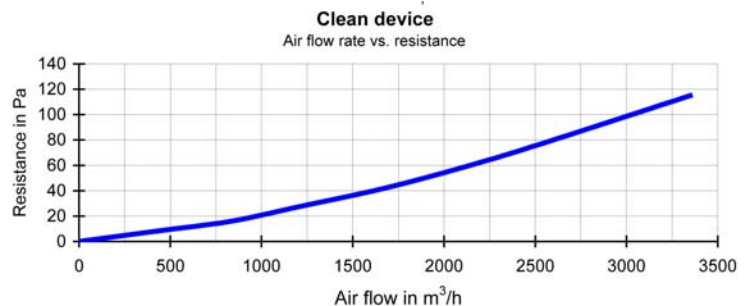
Filtrair air filter media	PSF 300
Average arrestance (acc. EN779)	91%
Initial efficiency (dust spot)	<20%
Air velocity (m/s)	1.50
Rated air flow (m ³ /h/m ²)	5400
Initial pressure drop (Pa)	42
Final pressure drop (Pa)	250
Dust holding at tested final (g/m ²)	462
Class according to EN779	G4

Temperature resistance, constant	Up to 100°C
Temperature resistance, short peaks	Up to 120°C
Nominal thickness (mm)	20
Relative humidity	Up to 100%
Standard roll size (m)	2.0 x 20
Regenerable / washable	yes

Application specialties

Particularly suited for:

- General air handling units
- Air conditioning systems
- Ventilation systems of all kinds
- Air intake prefiltration banks
- Window air conditioners
- Home furnace air heaters
- Railroad car ventilation
- Intake and exhaust air systems for heavy industry and chemical plants



All data given are average indicative values with usual accepted tolerances due to manufacturing variations and inherent testing tolerances. All specific performance data will require explicit written confirmation.

FILTRAIR® is the registered trade mark of FILTRAIR b.v.



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