



ProSyntex Air Filters

F7 - F9 Tested according to EN 779:2012



Fire retardant to DIN53438-3 (F1)



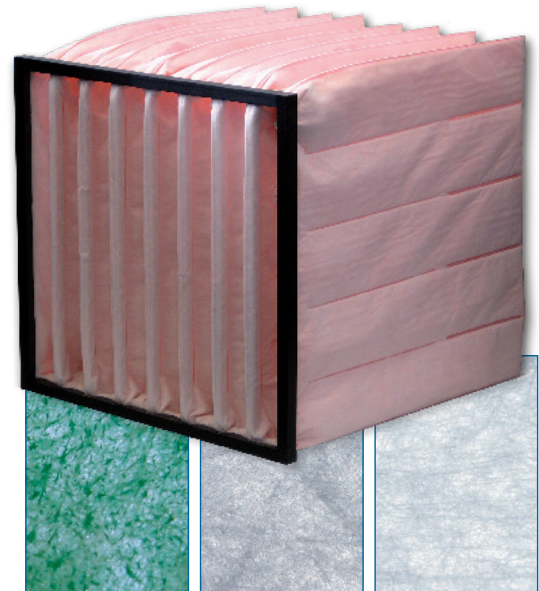
Certificate No: 15.06.011. Volz GmbH.

Our range of premium F7-F9 ProSyntex Air Filters are manufactured utilising a three-staged filter system, delivering a class leading energy efficient clean air solution.

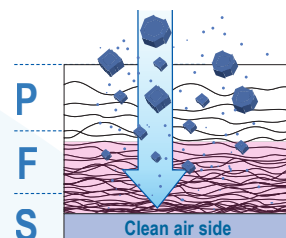
Eurovent and EN 779:2012 certified and approved by the Institute for Air Hygiene, making ProSyntex the obvious choice for many of the leading AHU manufacturers, FM companies and major brands throughout the UK.

THE KEY BENEFITS

- 1 Three layered filtration**
The energy efficient 3-layer filter system with a built-in pre-filter, provides fine filtration combined high dust holding capacity and arrestance, delivering a low initial and high final pressure differential.
- 2 Cost Effective**
The three stage filter system greatly improves service life, reducing filter changes and consequently labour cost and waste to landfill.
- 3 Eurovent & EN 779:2012 approved**
With third party Eurovent and EN 779:2012 certification you can be confident that ProSyntex will perform consistently to the highest standards. In addition to this they are also tested to fire prevention requirements DIN 53438-3 (F1).
- 4 Environmentally friendly**
ProSyntex are Oeko-Tex 100 approved, meaning they are free from harmful substances and skin irritants. They can also be fully incinerated rather than going to landfill*.



Glass Fibre AirSyntex ProSyntex



ProSyntex offers three layers of filtration.



Air conditioning & ventilation technology



Painting & drying technology

ProSyntex

Air Filters

APPLICATIONS

For fine filtration in heating, ventilation and air conditioning devices and plants of all kinds.

- Offices, hospitals, computing centres
- Pharmaceutical, fine-mechanical and food industry
- Prefiltration e.g. for HEPA filters





VERSIONS

- Full range of standard sizes, bespoke sizes.
- Frame types:
 - Metal frame (20 or 25mm)
 - Plastic frame (25mm)
- Filters with plastic frames are fully incinerable*
- Option to have a foamed hygiene-gasket
- ProSyntex F7 as biostatic version

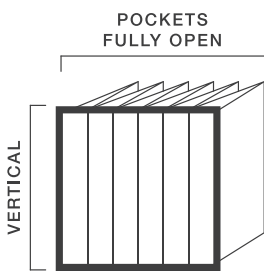
MATERIAL CHARACTERISTICS

- Tested according to EN 779:2012 and Eurovent approved
- Fire prevention requirements according to DIN53438-3 (F1)
- Oeko-Tex 100 approved, environmentally friendly so can be incinerated rather than going to landfill (when choosing plastic frames)*
- Humidity resistant up to 100% r. h.
- Lacquer compatibility according to IPA-control
- Higher density and pressure load due to edge welding
- Environmentally safe non-shedding synthetic fibres
- Temperature resistant up to a maximum of 80°C depending on type of frame

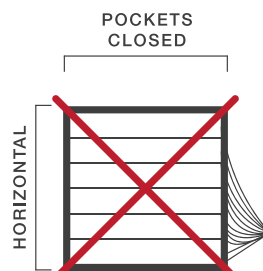
CLASSIFICATION

- Filter class F7 
- Filter class biostatic F7 
- Filter class F8 
- Filter class F9 

How to install pocket filters



POCKETS FULLY OPEN



POCKETS CLOSED

Correct

Pockets stand vertically and are open to enable maximum dust holding.

Incorrect

Pockets fall, unable to hold the maximum dust capacity, with lower pockets running the risk of absorbing condensed water.



ProSyntex

Air Filters

Technical data:

Medium	Synthetic - Progressive microfibre
Colour medium	Pink
Frame	Plastic frame (25 mm) Metal frame (20 or 25 mm)
Filter dimensions (width x height x depth) [mm]	592 x 592 x 635
Number of pockets	12
Filter area [m²]	9.0
Filter class	F7
Recommended nominal air flow [m³/h]	3400
Initial pressure drop approx. [Pa]	92
Recommended final pressure drop [Pa]	450
Average arrestance [%]	≥ 90
Average efficiency (0,4 µm) [%]	≥ 80 < 90
Discharged efficiency of medium (0,4 m) [%]	> 35
Maximum humidity resistance [%]	100
Max. operating temperature [°C] - depending on type of frame	80
Labelling	Dimension, filter class, type test
Energy efficiency	B

Characteristics of test:

Classification	EN 779:2012
Fire prevention requirements	DIN 53438-3 (F1)
Pollutant tested	Oeko - Tex Standard 100 product class II (Products with skin contact)



Product Benefits:

Edge welding for higher dust holding and pressure load	Pocket designed for even distribution of incoming air, for increase stability and optimal use of filter area.
3-layer filter medium for optimal arrestance, low pressure loss and high dust holding capacity	Increased service life = fewer filter changes and less waste