

Type PFN



PREFILTERS OR FINAL FILTERS IN VENTILATION SYSTEMS

Pocket filters for the separation of fine dust

- Filter classes M6, F7, F9
- Performance data tested to EN 779
- Eurovent certification for fine dust filters
- Meets the hygiene requirements of VDI 6022
- High energy efficiency according to Eurovent
- NanoWave® medium, sewn
- Enlarged filter area due to filter pockets Different numbers of pockets and pocket depths
- NanoWave® medium with extremely low initial differential pressure and highest possible dust holding capacity, ideal airflow conditions due to trapezoidal filter pockets
- Quick installation and filter changing times due to easy, safe handling

- Fitting into standard cell frames for filter walls (type SIF) or into universal casings (type UCA) for duct installation

Optional equipment and accessories

- Front frame made of plastic or galvanised sheet steel



APPLICATION

Application

- Pocket filter made of NanoWave® medium type PFN for the separation of fine dust
- Fine dust filter: Prefilter or final filter in ventilation systems

DESCRIPTION

Filter classes

- Fine dust filters M6, F7, F9

Construction

- PLA: Frame made of plastic
- GAL: Frame made of galvanised steel

Useful additions

- Filter wall (SIF)
- Universal casing (UCA)

Construction features

- Wedge-shaped filter pockets
- Multi-layer filter medium with a prefilter layer and a layer of corrugated extra fine fibres
- Frame depth of construction PLA: 25 mm
- Frame depth of construction GAL: 20, 25 mm
- Number of pockets: 3, 4, 5, 6, 7, 8, 10

Materials and surfaces

- Filter media made of synthetic fibres
- Frame made of plastic or galvanised sheet steel

TECHNICAL INFORMATION

TECHNICAL DATA

Filter class according to EN 779	M6	F7	F9
Average arrestance according to EN 779	>98 %	>98 %	>98 %
Average efficiency according to EN 779	65 %	85 %	>95 %
Initial differential pressure at nominal volume flow rate	60 Pa	80 Pa	130 Pa
Recommended final differential pressure	250 – 350 Pa	250 – 350 Pa	250 – 350 Pa
Max. operating temperature for frames made of plastic	60°C	60°C	60°C
Max. operating temperature for frames made of galvanised sheet steel	90°C	90°C	90°C

SPECIFICATION TEXT

Pocket filter PFN made of NanoWave® medium as prefilters or final filters for the separation of fine dust in ventilation systems.

Wedge-shaped filter pockets ensure ideal airflow conditions.

Highest possible dust holding capacity with an extremely low initial differential pressure due to a multi-layer filter medium with a prefilter layer and a layer of corrugated extra fine fibres.

Pocket filters made of NanoWave® medium are available in standard sizes; variable number of pockets and pocket depth; filter classes M6, F7, F9.

Pocket filters made of NanoWave® medium are certified by Eurovent and meet the hygiene requirements of VDI 6022.

Materials and surfaces

- Filter media made of synthetic fibres
- Frame made of plastic or galvanised sheet steel

Construction

- PLA: Frame made of plastic
- GAL: Frame made of galvanised steel

Sizing data

- Filter class
- Volume flow rate [m³/h]
- Initial differential pressure [Pa]
- Nominal size [mm]

ORDER CODE

PFN

PFN – F7 – PLA – 25 / 592 × 592 × 600 × 8

1

2

3

4

5

6

1 Type

PFN Pocket filters made of NanoWave[®] medium

2 Filter class

M6 Fine dust filter according to EN 779

F7 Fine dust filter according to EN 779

F9 Fine dust filter according to EN 779

3 Construction

PLA Frame made of plastic

GAL Frame made of galvanised steel

4 Frame depth [mm]

20 (Only with GAL)

25

5 Nominal size [mm]

B × H × T

6 Number of pockets

3

4

5

6

7

8

10

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