

## 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<sup>®</sup> 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
<b>Average arrestance according to EN 779</b>	>98 %	>98 %	>98 %
<b>Average efficiency according to EN 779</b>	65 %	85 %	>95 %
<b>Initial differential pressure at nominal volume flow rate</b>	60 Pa	80 Pa	130 Pa
<b>Recommended final differential pressure</b>	250 – 350 Pa	250 – 350 Pa	250 – 350 Pa
<b>Max. operating temperature for frames made of plastic</b>	60°C	60°C	60°C
<b>Max. operating temperature for frames made of galvanised sheet steel</b>	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 [m<sup>3</sup>/h]
- Initial differential pressure [Pa]
- Nominal size [mm]

## ORDER CODE

### PFN

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



#### 1 Type

**PFN** Pocket filters made of NanoWave<sup>®</sup> 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**

## TROX RUS



125009, Moscow,  
22/2 Tverskaya street, bld.1  
Tel.: +7 495 221-5161

## Online-Services

TROX Academy

Online fault report

Catalogue Download

BIM

## Service-Hotlines

Sales

+7 495 221-51-61, ext. 1

[Contact](#)

Technical support

+7 495 221-51-61, ext. 2

[Contact](#)

Warehouse

+7 495 221-51-61, ext. 159

[Contact](#)