TROX® TECHNIK
The art of handling air

Conforme à VDI 6022

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
- Highest energy efficiency according to Eurovent document 4/11
- 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

INFORMACIÓN TÉCNICA

Frakční účinnost ePM10 [%] podle ISO 16890	60	–	–
Frakční účinnost ePM1 [%] podle ISO 16890	–	65	90
Počáteční tlaková ztráta [Pa] při nominálním průtoku vzduchu	60	80	130
Max. provozní teplota [°C] pro rámy vyrobené z plastu	60	60	60
Max. provozní teplota [°C] pro rámy vyrobené z pozinkovaného ocelového plechu	90	90	90
Koncová tlaková ztráta [Pa]	300	300	300

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]

PFN – ePM1 – 90 % – PLA – 25 / 592 × 592 × 600 × 10

1 2 3 4 5 6 7