Tested to VDI 6022

Pocket filter

PFC

Prefilters in ventilation and air conditioning systems

Pocket filters for the separation of coarse dust

- Filter group ISO Coarse (coarse dust filter)
- Performance tested to ISO 16890
- Meets the hygiene requirements of VDI 6022
- Non-woven chemical fibres, welded
- Enlarged filter area due to filter pockets
- Low initial differential pressure and high dust holding capacity
- Different numbers of pockets and pocket depths
- 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

General information

Application
- Pocket filters for the separation of coarse dust
- Coarse dust filter: Prefilter in ventilation systems for the separation of coarse dust

Classification
- Meets the hygiene requirements

Nominal sizes
- B × H × T [mm]

Filter classes
Filter group
- ISO Coarse to ISO 16890

Filter class
- Coarse 60 %
- Coarse 80 %

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
- Frame depth of construction PLA: 25 mm
- Frame depth of construction GAL: 20, 25 mm
- Number of pockets: 3, 5, 6

Materials and surfaces
- Filter media made of high-quality non-woven chemical fibres
- Frame made of plastic or galvanised sheet steel

Standards and guidelines
- Test according to ISO 16890; international standard for general ventilation and air conditioning; classification of arrestance efficiency based on the measured fractional arrestance efficiency, which is processed into a reporting system for the fine dust arrestance efficiency (ePM)
- For coarse dust filters, the gravimetric efficiency is measured with synthetic dust
- The filters are classified into filter group ISO Coarse depending on the tested values
- Construction PLA meets the hygiene requirements of VDI 6022, VDI 3803, DIN 1946 Part 4, ÖNORM H 6021 and ÖNORM H 6020, SWKI VA 104-01 and SWKI 99-3, and EN 16798

Technical data

Gravimetric efficiency Coarse [%] according to ISO 16890	60	80
Initial differential pressure [Pa] at nominal volume flow rate for T = 360 mm	35	-
Initial differential pressure [Pa] at nominal volume flow rate for T = 600 mm	30	40
Recommended final differential pressure [Pa]	250 – 350	250 – 350
Max. operating temperature [°C] for frames made of plastic	60	60
Max. operating temperature [°C] for frames made of galvanised sheet steel	90	90

Specification text

This specification text describes the general characteristics of the product. Texts for variants can be generated with our Easy Product Finder design program.

Specification text

Pocket filters PFC made of non-woven chemical fibres for the separation of coarse dust when used as a prefilter, and for the separation of fine dust when used as a prefilter or final filter in ventilation systems. Filter pockets provide a high dust holding capacity at a low initial differential pressure. Pocket filters made of non-woven chemical fibres are available in standard and special sizes; variable number of pockets and pocket depth; filter group ISO Coarse according to ISO 16890. Pocket filters PFC are compliant with VDI 6022 in terms of hygiene.

Materials and surfaces

- Filter media made of high-quality non-woven chemical fibres
- Frame made of plastic or galvanised sheet steel

Construction

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

Sizing data

- Filter group [ISO 16890]
- Efficiency [%]
- Volume flow rate [m³/h]
- Initial differential pressure [Pa]
- Nominal size [mm]

Order code

PFC – Coarse – 60% – PLA – 25 / 592 × 592 × 360 × 6
1 2 3 4 5 6 7

1 Type
PFC Pocket filters made of non-woven chemical fibres

2 Classification
Coarse Gravimetric efficiency according to ISO 16890

3 Efficiency [%]
to ISO 16890

4 Construction
PLA Frame made of plastic
GAL Frame made of galvanised steel

5 Frame depth [mm]
20 (Only with GAL)
25

6 Nominal size [mm]
B × H × T

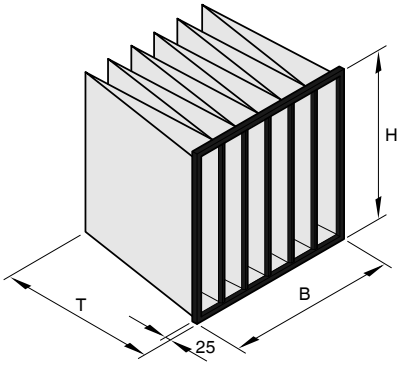
7 Number of pockets
3
5
6

PFC–Coarse–60%–PLA–25/592×592×360×6

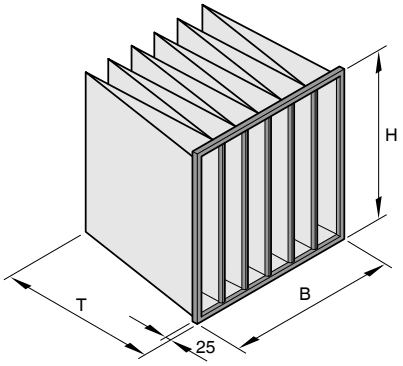
Classification	ISO Coarse to ISO 16890
Efficiency	60 %
Construction	Plastic frame
Frame depth	25 mm
Nominal size	592 × 592 × 360 mm
Number of pockets	6

Dimensions

Dimensional drawing of PFC-…-PLA/…



Dimensional drawing of PFC-…-GAL/…



Product specific data

Nominal size					Nominal volume flow rate		Initial differential pressure	Filter area	Weight
B	H	T	Number of pockets	Filter class	qv [l/s]	qv [m³/h]	ΔpA [Pa]	m²	kg
592	592	360	6	Coarse 60 %	944	3400	35	2.7	0.8
490	592	360	5	Coarse 60 %	778	2800	35	2.2	0.7
287	592	360	3	Coarse 60 %	472	1700	35	1.3	0.5
592	490	360	6	Coarse 60 %	778	2800	35	2.2	0.7
592	287	360	6	Coarse 60 %	472	1700	35	1.3	0.5
287	287	360	3	Coarse 60 %	236	850	35	0.7	0.3
592	892	360	6	Coarse 60 %	1417	5100	35	4.1	1.1
490	892	360	5	Coarse 60 %	1167	4200	35	3.4	1
287	892	360	3	Coarse 60 %	708	2550	35	2	0.7
592	592	600	6	Coarse 60 %	944	3400	30	3.7	1.3
490	592	600	5	Coarse 60 %	778	2800	30	3.1	1.2
287	592	600	3	Coarse 60 %	472	1700	30	1.8	0.8
592	490	600	6	Coarse 60 %	778	2800	30	3.1	1.1
592	287	600	6	Coarse 60 %	472	1700	30	1.8	0.8
287	287	600	3	Coarse 60 %	236	850	30	0.9	0.5
592	892	600	6	Coarse 60 %	1417	5100	30	5.6	2
490	892	600	5	Coarse 60 %	1167	4200	30	4.6	1.7
287	892	600	3	Coarse 60 %	708	2550	30	2.8	1.1
592	592	600	6	Coarse 80 %	944	3400	40	3.7	1.3
490	592	600	5	Coarse 80 %	778	2800	40	3.1	1.2
287	592	600	3	Coarse 80 %	472	1700	40	1.8	0.8
592	490	600	6	Coarse 80 %	778	2800	40	3.1	1.1
592	287	600	6	Coarse 80 %	472	1700	40	1.8	0.8
287	287	600	3	Coarse 80 %	236	850	40	0.9	0.5
592	892	600	6	Coarse 80 %	1417	5100	40	5.6	2
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The unit of measurement millimetres [mm] applies to all length specifications without an illustrated unit of measurement.