



ACTIVATED CARBON
FILTER INSERT, TYPE ACFI

ACFI



FOR THE ADSORPTION OF GASEOUS ODOROUS SUBSTANCES AND CONTAMINANTS

To improve the indoor air quality in offices, hotels, and airports

- Available with pre-filter fleece ePM1
- Compact construction style with low installation depth
- Fitting into standard cell frames for filter walls (type SIF)
- Fitting into universal casings (type UCA) for duct installation

Application



Application

- Filter insert for the adsorption of gaseous odorous substances and contaminants as well as hydrocarbons or traces of inorganic compounds from the supply and recirculated air

Nominal sizes

- B x H x T [mm]

Description



Variants

- PF with pre-filter fleece ePM1 according to ISO 16890

Options

- FNU: Flat section seal on the upstream side
- FND: Flat section seal on the downstream side

Construction

- Activated carbon filter insert:
- PLA: Frame made of plastic

Useful additions

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

Construction features

- As standard, construction PLA has no seal
- Some constructions are fitted with an optional flat seal on thedownstream side or upstream side
- Construction PF with pre-filter fleece ePM1 according to ISO16890

Materials and surfaces

- Granulated activated carbon with a backing layer of non-woven synthetic fibres
- Plastic frame

TECHNICAL INFORMATION

TECHNICAL DATA, QUICK SIZING, Specification text, Order code, Related products □

| Parameter | Value |
|--|-------|
| Differential pressure at nominal volume flow rate without prefilter [Pa] | 65 |
| Differential pressure at nominal volume flow rate with prefilter [Pa] | 100 |
| Max. operating temperature [°C] | 30 |
| Maximum relative humidity [%] | 60 |

Specification text

Activated carbon filter inserts for the adsorption of gaseous odorous substances and contaminants hydrocarbons or traces of inorganic compounds from the supply and recirculated air. Compact depth construction, suitable for systems with high volume flow rates and a requirement for long filter life. Activated carbon filter inserts are available in all commercial sizes. As standard, the filter inserts have no seal but can be provided with an optional flat seal on the upstream or downstream side. Activated carbon filter inserts optionally with or without prefilter fleece ePM1 according to ISO 16890.

Materials and surfaces

- Granulated activated carbon with a backing layer of non-woven synthetic fibres
- Plastic frame

Construction

Activated carbon filter insert:

- PLA: Frame made of plastic

Sizing data

- Noxious gas
- Volume flow rate [m³/h]
- Contact time [s]
- Differential pressure [Pa]
- Nominal size [mm]

ACFI - PF - PLA / 592 × 592 × 292 / FNU
 | | | | |
 1 2 3 4 5

1 Type

ACFI Activated carbon filter insert

2 Variant

No entry: no prefilter

PF With prefilter ePM1 65% according to ISO 16890

3 Construction

PLA Frame made of plastic

4 Nominal size [mm]

B × H × T

5 Seal

No entry: none

FNU Flat seal on the upstream side

FND Flat seal on the downstream side

ACFI-PF-PLA/592×592×292/FNU

Variant With prefilter ePM1 65% according to ISO 16890

Construction Plastic frame

Nominal size 592 × 592 × 292 mm

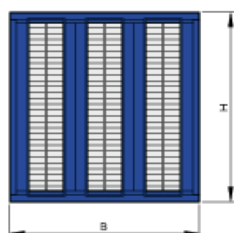
Seal Flat seal on the upstream side

Dimensions



| ① | | | ② | ③ | | ④ | ⑤ |
|--------|--------|--------|--------------|----------|-----------|-----|-----|
| B [mm] | H [mm] | T [mm] | Filter class | qv [l/s] | qv [m³/h] | Pa | kg |
| 592 | 287 | 292 | - | 472 | 1700 | 65 | 3,5 |
| 592 | 490 | 292 | - | 778 | 2800 | 65 | 5,5 |
| 592 | 592 | 292 | - | 944 | 3400 | 65 | 6 |
| 592 | 287 | 292 | ePM1 65 % | 472 | 1700 | 100 | 3,5 |
| 592 | 490 | 292 | ePM1 65 % | 778 | 2800 | 100 | 5,5 |
| 592 | 592 | 292 | ePM1 65 % | 944 | 3400 | 100 | 6 |

ACFI-...-PLA/...



ACFI-...-PLA/...

