TROX® TECHNIK
The art of handling air

ACFI

FOR THE ADSORPTION OF GASEOUS ODOROUS SUBSTANCES AND CONTAMINANTS

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

- Available with different carbon types for various areas of application and operating conditions
- Available with F7 prefilter made of non-woven fibres
- Compact depth construction
- Various constructions for different applications
- Fitting into standard cell frames for filter walls (type SIF)
- Fitting into universal casings (type UCA) for duct installation

Application

Application

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

Special characteristics

- Upon request, filter inserts can be provided with other carbon types for special applications and operating conditions, e.g. for the adsorption of sulphur and chlorine compounds.

Description

Variants

- PF: With prefilter

Construction

Activated carbon filter insert:

- PLA: Frame made of plastic

Options

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

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 section seal on the downstream side or upstream side

Materials and surfaces

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

INFORMATION TECHNIQUE

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

Activated carbon filter inserts ACFI for the adsorption of gaseous odorous substances and contaminants and for the adsorption of hydrocarbons and traces of inorganic compounds from supply or 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 section seal on the upstream or downstream side.

Choice of activated carbon filter inserts with or without prefilter.

Special characteristics

- Upon request, filter inserts can be provided with other carbon types for special applications and operating conditions, e.g. for the adsorption of sulphur and chlorine compounds.

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

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

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ACFI

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 F7 according to EN 779

3 Construction
PLA Frame made of plastic

4 Nominal size [mm]
B × H × T

5 Seal
No entry: none
FNU Flat section seal on the upstream side
FND Flat section seal on the downstream side