



## ACFC

### 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
- Cylinder made of perforated sheet steel, stainless steel, or plastic, available in different lengths
- Plastic cylinders are completely corrosion-resistant; cartridges are completely incinerable and hence easily disposed of
- Easy fitting and secure sealing due to triple bayonet fixing
- Fitting into mounting plates (type MP) for filter walls
- Fitting into universal casings (type UCA) for duct installation

## Application



### Application

- Filter cartridge type ACFC 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

- Cylinder with profiled base and cover plates
- Upon request, filter cartridges can be provided with other carbon types for special applications and operating conditions, e.g. for the adsorption of sulphur and chlorine compounds

## Description



### Construction

- PLA: Casing made of plastic
- GAL: Casing made of galvanised steel
- STA: Casing made of stainless steel

### Useful additions

- Mounting plates (MP)
- Universal casing (UCA)

### Construction features

- Flat section seal as standard

### Materials and surfaces

- Activated carbon sticks
- Casing made of plastic, galvanised sheet steel, or stainless steel

## INFORMATION TECHNIQUE

Parameter	Value	Method
CTC (carbon tetrachloride adsorption)	> 60 %	ASTM D3467
Toluene adsorption	> 14 %	-
Water content	< 3 %	ASTM D2867
Ash content	~ 8 %	ASTM D2866
Compacted dry density	480 - 500 g/l	ASTM D2854
BET surface	> 1100 m <sup>2</sup> /g	BET-N2
Hardness	> 99 %	ASTM D3802
Iodine number	> 99 mg/g	ASTM D4607
Ignition point	> 375 °C	ASTM D3466
Pellet diameter	3 mm	-
Maximum operating temperature	50°C	-
Maximum relative humidity	70 %	-

Activated carbon filter cartridges ACFC 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.

Easy fitting and secure sealing due to bayonet fixing.

Activated carbon filter cartridges available in all commercial sizes.

Flat section seal as standard.

Special characteristics

- Cylinder with profiled base and cover plates
- Upon request, filter cartridges 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

- Activated carbon sticks
- Casing made of plastic, galvanised sheet steel, or stainless steel

Construction

- PLA: Casing made of plastic
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Sizing data

- Filter class
- Volume flow rate [m<sup>3</sup>/h]
- Differential pressure [Pa]
- Nominal size [mm]

### ACFC

ACFC – PLA / 145 x 450		
1	2	3

#### 1 Type

ACFC Activated carbon filter cartridge

#### 3 Nominal size [mm]

D × H

#### 2 Construction

PLA Casing made of plastic

GAL Casing made of galvanised steel

STA Casing made of stainless steel