

F18CA

Activated carbon filters for gaseous pollutants



Product

F18CA

Frame

Self-draining in MOPLEN, rigid PU sealing system

Filter media

Pleated non-woven fabric panels containing a layer of activated carbon micro-granules (300-350 g/m²)

SPECIFICATIONS

Activated carbon rigid pocket filter, model F18CA, built with a robust self-draining MOPLEN (PPE) frame, higher breaking load, lower density and greater thermal and abrasion resistance. Filter media in pleated non-woven fabric panels containing a layer of activated carbon micro-granules (300-350 g/m²).

FUNCTIONS

Thanks to their low pressure drop and standard dimensions, they are used as the final filtration stage within units or in ducts within dedicated housings.

APPLICATIONS

Activated carbon pocket filters model F18CA can be used in air handling units and any other type of unit where modest pollutant filtration is required, such as: shopping centres, airports, industrial kitchens, print shops, laboratories, museums.

TECHNICAL FEATURES

Class EN779 / ISO 18690	F7 / ePM1 50%
Initial pressure drop (Pa)	120
Operating temperature (°C)	50
Maximum operating relative humidity (%)	70

FILTER MATERIAL

Carbon weight (g/m ²)	300
Thickness 0.5 kPa μm	1500
Permeability 200 Pa l/m ² /s	1750
Dry tensile strength N/m	MD 2100 CD 1500
Wet tensile strength N/m	MD 1400 CD 950
Elongation (%)	MD 8 CD 11
Dry tear resistance cN	MD 1400 CD 1700
Wet tear resistance cN	MD 1000 CD 1100
Gurley stiffness dry (mg)	MD 3900 CD 3100



INSTALLATION

Filters can be installed both vertically and horizontally, installed in ducts or in dedicated housings or inside filtration modules.

MAINTENANCE

This type of filter is completely regenerable: saturated activated carbon must be regenerated using steam.

DISPOSAL

Saturated activated carbon is not a toxic or hazardous waste. For disposal, refer to current regulations based on the substances treated with the activated carbon.

DIMENSIONS

Dimensions mm	Nominal flow rate m ³ /h	Filter surface m ²	Carbon kg
287x592x292	1800	8	2,7
490x592x292	2600	14	4,2
592x592x292	3400	18	5,5