

F17

Polyester bag filters



Product

F17

Material

Galvanized sheet metal

Filter media

Progressive density polyester fibre

SPECIFICATIONS

Polyester bag filters model F17, consisting of a robust galvanized sheet metal frame, wedge-shaped heat-sealed pockets and progressive density polyester fibre filter media.

FUNCTIONS

The F17 bag filter range covers a very wide performance field and is applicable for civil and industrial uses, thanks to the arrestance and efficiency values with very low pressure drops.

APPLICATIONS

Pre-filtration and main filtration in high airflow systems, coarse and fine dust filtration in civil or industrial applications, pre-filtration for semi-absolute filters, oil mists, used downstream of metal pre-filters, welding fumes.

SPECIAL VERSIONS

Models with fully incineratable plastic frame F17_E

TECHNICAL FEATURES

Filter material	Polyester
Regenerability	No
Flame behaviour	Class F DIN 53438
Class EN 779/ ISO 16890	G4 (F17 40) / ISO coarse 65% M5 (F17 50) / ISO ePM10 55%
Depth (mm)	360, 500, 620
Initial pressure drop (Pa)	70 (F17 40) – 80 (F17 50)
Recommended final pressure drop (Pa)	250 (F17 40) – 450 (F17 50)
Average gravimetric arrestance (%)	90 (F17 40)
Colorimetric efficiency (%)	<20 (F17 40) – >50 (F17 50)
Limit temperature value (°C)	90
Recommended face velocity (m/s)	2
Relative humidity (%)	90



PERFORMANCE

Front Dimensions (mm)	Nominal airflow (m ³ /h)					
	F17 40			F17 50		
	Th. 360 mm	Th. 500 mm	Th. 620 mm	Th. 360 mm	Th. 500 mm	Th. 620 mm
287 x 592 3 Pockets	2080	2880	3570	2080	2880	3570
490 x 592 4 Pockets	2770	3840	4760	2770	3840	4760
592 x 592 6 Pockets	4150	5760	7140	4150	5760	7140

INSTALLATION

For correct operation the filter can be traversed by air in 2 ways.

- 1) Horizontal air flow: the filter is perpendicular to the flow and the pockets are arranged vertically.
- 2) Vertical air flow from top to bottom: the filter is perpendicular to the flow and the pockets face downwards.

Installation is carried out using dedicated sub-frames that allow simple maintenance and disassembly operations.

MAINTENANCE

This type of filter is not regenerable, therefore complete filter replacement is recommended when the recommended final pressure drop is reached.

DISPOSAL

In order to properly dispose of the filter, the recyclable steel frame must be separated from the filter media, allowing for the separate disposal of the different components.