

F16 S

Synthetic microfibre bag filters



Product	F16 S
Material	Galvanized sheet metal
Filter media	Synthetic microfibre

SPECIFICATIONS

Synthetic microfibre bag filters, model F16S, consisting of a robust galvanized sheet metal frame, pockets supported and assembled together through special metal inserts that ensure perfect sealing and synthetic microfibre filter media.

FUNCTIONS

The F16S bag filter range covers a very wide performance field and is applicable for civil and industrial uses, thanks to its arrestance and efficiency values with very low pressure drops.

APPLICATIONS

Ventilation and air conditioning systems for fine dust and aerosol separation, pre-filtration for absolute filters, final filtration including suspended substances.

TECHNICAL FEATURES

	F16 S 60	F16 S 70	F16 S 90
Regenerability	No	No	No
Flame behaviour	Class UL2	Class UL2	Class UL2
Class EN 779	M6	F7	F9
ISO 16890	ePM10 75%	ePM1 50%	ePM1 85%
Thickness (mm)	380, 535, 636, 737, 915	380, 535, 636, 737, 915	380, 535, 636, 737, 915
Initial pressure drop (Pa)	105	120	170
Recommended final pressure drop (Pa)	450	450	450
Colorimetric efficiency (%)	65	85	95
Limit temperature value (°C)	90	90	90
Relative humidity (%)	100	100	100



TECHNICAL FEATURES

Dimensions (mm)	Pockets N.	Media development (m ²)	Air flow rate (m ³ /h)	Speed (m/s)	Wt. (Kg)
287 x 592 x 380	6	2,70	1350	0,130	1,25
287 x 592 x 535	4	2,53	1300	0,142	1,27
287 x 592 x 636	4	3,01	1500	0,138	1,33
287 x 592 x 737	4	3,49	1700	0,135	1,39
287 x 592 x 915	4	4,33	2100	0,134	1,47
490 x 592 x 535	6	3,80	1900	0,138	1,81
490 x 592 x 636	6	4,52	2200	0,135	1,91
490 x 592 x 737	6	5,24	2500	0,132	1,99
490 x 592 x 915	6	6,50	3100	0,132	2,12
592 x 592 x 380	12	5,40	2650	0,130	2,18
592 x 592 x 535	8	5,07	2500	0,136	2,22
592 x 592 x 636	8	6,02	2900	0,133	2,35
592 x 592 x 737	8	6,98	3400	0,135	2,46
592 x 592 x 915	8	8,67	4200	0,134	2,63

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.