

Technical data sheet

FILTERS

F16S

Synthetic microfibre pocket filter



APPLICATIONS



INDUSTRY



VERNICIATURA

Ventilation and air conditioning systems for the separation of fine particulate and aerosols, pre-filtration for absolute filters and final filtration of airborne substances.

The F16S range of pocket filters covers a wide range of field performance and can be used in civil and industrial applications due to the values of arrestance and efficiency with highly contained head loss.

FEATURES

Synthetic microfibre pocket filters consisting of a sturdy galvanised sheet metal frame, pocket filters supported and assembled together by means of special metal inserts which guarantee a perfect seal and synthetic microfibre filter medium.

Installation:

For correct operation, air can pass through the filter in 2 ways.

1) Horizontal air flow: the filter is perpendicular to the flow and the pocket filters are positioned vertically.

2) Down-draught airflow: the filter is perpendicular to the flow and the pocket filters are faced downward.

Installation is performed by means of a dedicated counter-frames which makes maintenance and disassembly easy to perform.

Maintenance:

These types of filters cannot be regenerated, therefore it is recommended that the filter is replaced when the recommended final head loss is reached.

Disposal:

To properly dispose of the filter, the filter medium needs to be separated from the recyclable steel frame, allowing separate waste disposal of the various components.

CERTIFICATIONS



TECHNICAL DATA

DESCRIPTION	UNIT OF MEASUREMENT	MOD. F16 S 60	MOD. F16 S 70	MOD. F16 S 90
Regeneration capabilities			no	
Flame resistance class			Class UL2	
Class EN 779		F6	F7	F9
Thickness	mm		535, 636, 737, 915	
Initial head loss	Pa	105	120	170
Final recommended head loss	Pa		450	
Colorimetric efficiency	%	65	85	95
Colour		ORANGE	PINK	STRAW YELLOW
Temperature limit value	°C		90	
Relative humidity	%		100	

DIMENSIONS

Front dimensions (mm)	Pocket (n.)	Filter medium extension (m ²)	Flow rate aria (m ³ /h)	Speed attrav. (m/s)	Weight (Kg)
287x592x380	6	2,70	1350	0,130	1,25
287x592x535	4	2,53	1300	0,142	1,27
287x592x636	4	3,01	1500	0,138	1,33
287x592x737	4	3,49	1700	0,135	1,39
287x592x915	4	4,33	2100	0,134	1,47
490x592x535	6	3,80	1900	0,138	1,81
490x592x636	6	4,52	2200	0,135	1,91
490x592x737	6	5,24	2500	0,132	1,99
490x592x915	6	6,50	3100	0,132	2,12
592x592x380	12	5,40	2650	0,130	2,18
592x592x535	8	5,07	2500	0,136	2,22
592x592x636	8	6,02	2900	0,133	2,35
592x592x737	8	6,98	3400	0,135	2,46
592x592x915	8	8,67	4200	0,134	2,63

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