

Technical data sheet

FILTERS

F12

Pleated filter cells



APPLICATIONS



INDUSTRY



POLVERI

Civil and industrial ventilation and air conditioning systems, air treatment centres, filter panels, pre-filtration and separation of fine and large particulate and the first stage in filter modules.

Filtration and pre-filtration of filters with progressively increasing efficiency levels.

FEATURES

Pleated filter cells consisting of a sturdy galvanised steel sheet metal frame with a protective galvanised screen and a polyester fibre filter medium with special pleating.

Installation:

The installation of F12 filters can be performed in 2 ways:

- 1) flat layout, perpendicular to the flow of air due to a low frontal airflow up to 2.5 m/s within fitted "U-shaped" guides
- 2) housed in special duct counter frames (F23) for a frontal airflow up to 3.5 m/s.

Maintenance:

The filter must be regenerated or replaced when the final recommended head loss or the maximum indicated limits are reached. This model has limited regenerability.

Disposal:

F12 filters are constructed of inert materials which may be disposed of, when not polluted by toxic-harmful substances resulting from their use, as solid urban waste.

CERTIFICATIONS



TECHNICAL DATA

DESCRIPTION	UNIT OF MEASUREMENT	MOD. F10
Filtering material		polyester fibre
Regeneration capabilities		yes
Flame resistance class		DIN 53438 F1
Class EN 779		G4
Thickness	mm	48, 98
Initial head loss	Pa	50 (sp. 48) - 60 (sp. 98)
Final recommended head loss	Pa	200 (sp. 48 - sp. 98)
Particulate collection capacity	g/m ²	494
Average degree of separation	%	90,1
Temperature limit value	°C	70
Recommended front speed	m/s	1,5
Relative humidity	%	100
Possible dimensions	mm	from 100x100 to 1500x1000

DIMENSIONS

Dimensioni (mm)	VELOCITÀ (M/S) F10									
	0,4		1		1,8		2		2,8	
	20x40	25x50	30x60	35x70	40x80	45x90	50x100	60x120	70x140	80x160
200x300	500	600	700	800	900	1000	1100	1200	1300	1400
400x600	800	900	1000	1100	1200	1300	1400	1500	1600	1700
600x900	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
800x1200	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
1000x1500	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900
1200x1800	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300
1500x2100	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900
sp. 48	21	23	25	27	29	31	33	35	37	39
sp. 98	21	23	25	27	29	31	33	35	37	39

QR CODE

