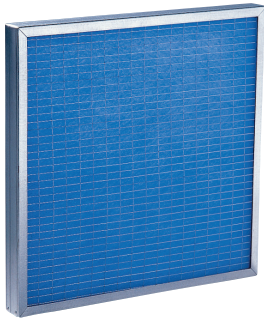


# F10

## Flat filter cells



### Product

F10

### Material

Galvanized sheet metal with protective mesh

### Filter media

Polyester fibres

### SPECIFICATIONS

Flat filter cells, model F10, consisting of a robust galvanized sheet metal frame with galvanized protection mesh enclosing a polyester fibre filter media.

### FUNCTIONS

Filtration and pre-filtration of filters with higher efficiency.

### APPLICATIONS

Civil and industrial ventilation and air conditioning systems, air handling units, air generators, paint booths (recirculated inlet or outlet air).

**ON REQUEST EFFICIENCY M5**

## TECHNICAL FEATURES

Filter material	Polyester fibres
Regenerability	Yes
Flame behaviour	DIN 53438 F1
Class EN 779 / ISO 18690	G4 / ISO coarse 60%
Thickness (mm)	22, 48
Initial pressure drop (Pa)	25 (sp. 22) – 45 (sp. 48)
Recommended final pressure drop (Pa)	60 (sp. 22) – 90 (sp. 48)
Dust accumulation capacity (g/m <sup>2</sup> )	494
Average separation degree (%)	90,1
Limit temperature value (°C)	100
Recommended face velocity (m/s)	1,5
Relative humidity (%)	100
Available dimensions (mm)	From 100x100 to 1500x1000



## PERFORMANCE

Front dimensions (mm)	Air flow rate (m <sup>3</sup> /h)				
	Air velocity (m/s)				
	0,5	1	1,5	2	2,5
287 x 592	310	615	920	1225	1530
400 x 400	300	575	865	1150	1440
400 x 500	360	720	1080	1440	1800
400 x 625	450	900	1350	1800	2250
500 x 500	450	900	1350	1800	2250
500 x 625	565	1125	1690	2250	2815
592 x 592	635	1265	1895	2525	3155
ΔP [Pa] Sp. 22 mm	20	27	40	52	65
ΔP [Pa] Sp. 48 mm	30	38	52	65	79

## INSTALLATION

F10 filter installation can be done in 2 ways:

- 1) Flat arrangement, perpendicular to the airflow for low face velocity up to 1.5 m/s within suitable U-shaped guides
- 2) Housed in dedicated duct sub-frames (F23) for air face velocity up to 2.5 m/s.

## MAINTENANCE

The filter must be regenerated or replaced when the recommended final pressure drop is reached or at the maximum indicated limit. This model has limited regenerability.

## DISPOSAL

F10 filters are built with inert materials that, if not contaminated by toxic-harmful substances from use, can be disposed of as municipal solid waste.