

# F15 IMI

## Metal filter cells



### Product

F15IMI

### Material

Stainless Steel

### Filter media

Steel wire with stainless steel protection mesh

### SPECIFICATIONS

F15IMI metal filter cells, consisting of a robust stainless steel metal frame with stainless steel protection grid and filter media in layers of micro-expanded stainless steel sheet fibre.

### FUNCTIONS

F15IMI metal filters are special products suitable for heavy-duty applications. They constitute grease filter cells to be installed in the extraction hoods of professional kitchens.

### APPLICATIONS

Air filtration in environments with particularly aggressive atmospheres, anti-grease and anti-spark filtration, oil mist separation, fume and vapour extraction in kitchens and cooking surfaces.

## TECHNICAL FEATURES

Filter material	Stainless steel wire
Regenerability	Optimal
Flame behaviour	Non-flammable
Class EN 779	G2
Thickness (mm)	12, 22, 48
Initial pressure drop (Pa)	10 (th. 12) 15 (th. 22) 25 (th. 48)
Recommended final pressure drop (Pa)	150
Limit temperature value (°C)	200
Recommended face velocity (m/s)	2
Relative humidity (%)	100



## PERFORMANCE

Front dimensions (mm)	Nominal air flow rate (m <sup>3</sup> /h)				
	Air velocity (m/s)				
	0,5	1	1,5	2	2,5
287 x 592	225	340	450	675	900
400 x 400	290	435	580	865	1200
400 x 500	360	540	720	1080	1450
400 x 625	450	675	900	1350	1800
500 x 500	450	675	900	1350	1800
500 x 625	565	845	1125	1690	2250
592 x 592	630	945	1260	1890	2520
ΔP (Pa) Sp. 12 mm	12	17	23	30	40
ΔP (Pa) Sp. 22 mm	15	20	27	35	46

## INSTALLATION

F15 IMI 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 for air face velocity up to 2.5 m/s.

## MAINTENANCE

F15 IMI metal filters are filters of considerable strength and durability. The time for their replacement should be determined visually, while they require regeneration as they generally treat impure air dense with particles. Regeneration is carried out by washing with the addition of appropriate solvents. The filter media can be dried with hot air or compressed air.

## DISPOSAL

F15 IMI filters are built with inert materials that, if not contaminated by toxic-harmful substances from use, can be disposed of as municipal solid waste.