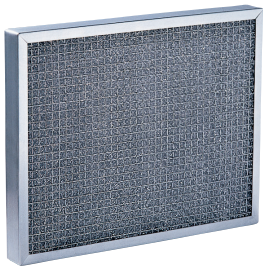
F13 ZMA

Aluminium mesh metal filter cells



Product	F13 ZMA
Material	Galvanized steel sheet with electro-welded protection mesh
Filter media	Flat section aluminium wire

SPECIFICATIONS

Metal filter cells, model F13ZMA, consisting of a robust metal frame in galvanized steel sheet with 12x12 mesh electro-welded protection grid and flat-section aluminium wire filter media.

FUNCTIONS

F13ZMA metal filters are special products suitable for heavy-duty applications, such as filtration in environments with high oil percentages.

APPLICATIONS

Air filtration in environments with particularly aggressive atmospheres, anti-grease and anti-spark filtration, particularly suitable for the filtration of grease vapours and oil mists.

TECHNICAL FEATURES

Filter material	Flat section aluminium 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

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PERFORMANCE

Front dimensions (mm)	Air flow rate (m^3/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	5	11	18	26	40
ΔP (Pa) Sp. 48 mm	8	15	23	32	47

INSTALLATION

F13 ZMA 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

F13 ZMA 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

F13 ZMA filters are built with inert materials that, if not contaminated by toxic-harmful substances from use, can be disposed of as municipal solid waste.