INDUSTRY

Technical data sheet

FILTERS

F13

Metal filter cells in aluminium mesh

APPLICATIONS

INDUSTRY

NEBBIE OLEOSE

Air filtration in environments with particularly aggressive environments, grease filtration and anti-spark, particularly indicated for the filtration of greasy vapours and oil mists.
ZMA F13 metal filters are special products suited for heavy-duty use, such as filtration in environments with high percentages of oil.

FEATURES

Metal filter cells consisting of a sturdy galvanised steel sheet metal frame with protective 12x12 welded mesh screens and aluminium wire filter medium in flat sections.
Installation:
The installation of F13 ZMA filters can be performed in 2 ways:
1) flat layout, perpendicular to the flow of air due to a low frontal airflow up to 1.5 m/s within fitted “U-shaped” guides.
2) housed in special duct counter frames for a frontal airflow up to 2.5 m/s.
Maintenance:
ZMA F13 metal filters are remarkably durable and long-lasting.
The time for their replacement is determined visually, while the need for regeneration is generally dependant on their use in the treatment of air impurities and high volumes of particulate.
Regeneration is performed by washing with the addition of special solvents. The filter media can be dried with hot air or compressed air.
Disposal:
F13 ZMA 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.
Functions:

CERTIFICATIONS

TECHNICAL DATA

DESCRIPTION	UNIT OF MEASUREMENT	MOD. F13 ZMA
Filtering material		flat section aluminium wire in flat
Regeneration capabilities		optimum
Flame resistance class		flame retardant
Class EN 779		G2
Thickness	mm	12, 22, 48
Initial head loss	Pa	10 (sp. 12) - 15 (sp. 22) - 25 (sp. 48)
Final recommended head loss	Pa	150
Temperature limit value	°C	200
Recommended front speed	m/s	2
Relative humidity	%	100

DIMENSIONS

Performance - Nominal air flow rate (m^3/h)

Front dimensions	Through speed 0.5 (m/s)	Through speed 1 (m/s)	Through speed 1,5 (m/s)	Through speed 2 (m/s)	Through speed 2,5 (m/s)
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

QR CODE