

F15 ARA

Metal filter cells



Product

F15ARA

Material

Aluminium

Filter media

Various layers of variable density aluminium fibre with stretched aluminium sheet protection mesh

SPECIFICATIONS

F15ARA metal filter cells, consisting of a robust aluminium metal frame with aluminium expanded sheet protection grid and filter media in layers of variable-density aluminium fibre.

FUNCTIONS

F15ARA 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	Aluminium wire with section flat
Regenerability	Optimal
Flame behaviour	Non-flammable
Class EN 779	G2
Thickness (mm)	12
Initial pressure drop (Pa)	10
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 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) th. 12 mm	5	11	18	26	40

* Other dimensions on request.

INSTALLATION

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