

AIRCLEAN

YOUR AIR FILTER MANUFACTURER

P.O. BOX 147,
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Grease Filters (Stainless Steel Gridmesh Type)

Applications

Grease filters are generally installed in canopies above ranges of cooking equipment, to eliminate or greatly reduce the problem of cooking oil etc., being drawn into and settling in the extract ductwork.

This significantly reduces the frequency of expensive duct cleaning, and offers some protection against grease-fire hazards.

AIRCLEAN now have many thousands of these filters operating satisfactorily in leading restaurants, hotel kitchens and ships galleys.



Construction

The filtration media is crimped stainless steel knitted wire mesh, which is enclosed in either a Grade 304 or Grade 430 (the ECO range) punched trays which are riveted together to form a high quality rigid filter.

Drain Holes and Layflat handles are standard in design.

Technical

Filter classification :

Typically G2 to EN779

Recommended face velocity :

3.0 m/s (600 ft/min)

Resistance to Airflow

	Face Velocity							
	1.5 300		2.0 400		2.5 500		3.0 600	
m/s fpm	Pa	"wg	Pa	"wg	Pa	"wg	Pa	"wg
Pressure Drop 1" Panel	8	0.03	12	0.05	18	0.07	25	0.10
2" Panel	12	0.05	18	0.07	25	0.10	33	0.13

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Capacity Chart

Data based on Face Velocity of 2.5 m/s (500 fpm)

SIZE		Flow Rate
OT Inches	Actual mm	m ³ /s
16 x 16	394 x 394	0.39
20 x 10	495 x 242	0.30
20 x 16	495 x 394	0.49
20 x 20	495 x 495	0.62
18 x 18	445 x 445	0.50
24 x 24	594 x 594	0.90

Actual Face Size = Nominal Size less 12mm (0.5")
Actual thickness = Nominal thickness less 3mm (0.125")

Cleaning

It is important that grease filters are cleaned regularly (according to use). This can be carried out by steam cleaning, washing in an automatic dishwasher, or by immersion in a solution specially designed for this purpose.

AIRCLEAN have cleaning crystals and a range of tanks available which are described, in leaflet AC3/8.

