

Baffle Type Grease Filters for Kitchen Extracts and Canopies

Applications

The Airclean Baffle Type Grease Filter is designed for use in commercial kitchens to remove airborne grease prior to entering the extraction system.

It is recognised that there is an increasing need to maintain and improve hygiene standards in kitchens and to reduce the fire hazards above the heat source.

The Airclean Baffle Type Grease Filter reduces fire hazard with their unique design concept of non-grease loading (negligible grease accumulation), and interlocking baffle walls which restrict the passage of flames into the ductwork.

The Baffle Type Grease Filter's smooth surface enables deposited grease to run off via the drainage holes, to grease collecting trays in the canopy or grease filter housing, where it can be easily disposed of. Efficient grease removal by Baffle Type Grease Filters minimises grease build-up in the kitchen extract ductwork system, and ensures that duct cleaning requirements are kept to a minimum.

Description

Airclean Baffle Type Grease Filters are manufactured in either Aluminium or Stainless Steel (Mirrored Finish Stainless Steel Grade 430, or Dull Polished Finish Stainless Steel Grade 304).

Housed in a channel framework, a series of vertical air baffles are strategically aligned to change the direction of the grease-laden air. This action causes the deposition of the grease quickly, without re-entrainment onto the baffles, whilst the grease-free air passes through the filter. The Baffle Type Grease Filter's smooth surface enables deposited grease to run off via the drainage holes into collecting trays within the housing, minimising grease build-up.

Baffle type Grease Filters each have layflat handles to facilitate easy removal from the kitchen canopy or grease filter housing.



Size		Flow Rate		Part Numbers		
OT Inches	Actual mm	m ³ /s based on FV 1.5m/s	Pressure Drop Pa	ALUMINIUM 2" (47mm)	ST STEEL ECO 2" (47mm) Grade 430 St/St	ST STEEL HD 2" (47mm) Grade 304 St/St
16 x 16	394 x 394	0.25	125	1319119	1321119	1320119
20 x 10	495 x 242	0.19	125	1319120	1321120	1320120
20 x 16	495 x 394	0.31	125	1319121	1321121	1320121
20 x 20	495 x 495	0.39	125	1319122	1321122	1320122
18 x 18	445 x 445	0.31	125	1319123	1321123	1320123
24 x 24	597 x 597	0.54	125	1319124	1321124	1320124

Notes

- * Actual sized filters will be manufactured as ordered +/- 3mm
- * Handles and Drain Holes come as standard
- * Handles are located on the shortest side of the grease filter as standard.

Grease Filter Cleaning

To ensure the prolonged efficiency and life of a kitchen Baffle Type Grease Filter they must be cleaned regularly (according to use).

Airclean offer a range of suitable Grease Filter Cleaning Tanks (Heated and Non Heated), and Non Caustic Cleaning Agents (See Catalogue Section 3, Page AC3.8).

Alternative cleaning solutions for grease filters include steam cleaning or an automatic dishwasher.

