

Standard Mesh Type Grease Filters for Kitchen Extracts and Canopies

Applications

Mesh Grease Filters are generally installed in the kitchen canopy above cooking ranges, fryers, and gas hobs in commercial restaurant kitchens. These air filters effectively eliminate or greatly reduce grease build up in duct work and on fans in the kitchen extract system.

Mesh Canopy Filters significantly reduce the frequency of expensive duct cleaning, and offer some protection against grease-fire hazards.

Airclean now have many thousands of mesh grease filters operating satisfactorily in leading restaurants, hotel kitchens and ship's galleys.



Description

The grease filtration media is a crimped galvanised knitted wire mesh, that is enclosed in either an aluminium or galvanised channel frame. Galvanised steel retaining meshes are fitted to both faces of the grease filter, and corner plates provide rigidity.

Handles are normally desirable on grease filters for ease of removal and cleaning, but these are optional. Drain holes also provide an outlet for grease to drain away from the filter into drain trays and grease traps.

Stainless Steel Mesh Type Grease Filters are available and these can be found as our Gridmesh Style Grease Filter. See AC3.4 Stainless Steel Gridmesh Grease Filters for further information.

Technical

Filter Classification : Grade G2/G3 to EN779

Maximum Operating Temperature : 100°C (212°F)

Maximum Recommended Face Velocity 2.5 m/s

Size		Flow Rate m ³ /s	Filter Depth	
OT Inches	Actual mm		1" (22mm) Part No	2" (47mm) Part No
10 x 10	242 x 242	0.15	1310101	1310201
12 x 12	292 x 292	0.21	1310102	1310202
15 x 15	369 x 369	0.34	1310103	1310203
16 x 16	394 x 394	0.39	1310104	1310204
18 x 9	445 x 216	0.24	1310105	1310205
18 x 18	445 x 445	0.50	1310106	1310206
20 x 10	495 x 242	0.30	1310107	1310207
20 x 16	495 x 394	0.49	1310108	1310208
20 x 20	495 x 495	0.61	1310109	1310209
25 x 16	623 x 394	0.61	1310110	1310210
25 x 20	620 x 495	0.77	1310111	1310211
24 x 24	597 x 597	0.89	1310112	1310212

Notes

- * Actual sized filters will be manufactured as ordered +/- 3mm
- * Clean Pressure Drops 1" -25Pa, 2" – 30Pa, based on FV= 2.5m/s
- * Handles and Drain Holes come as standard and are only removed upon request.
- * Handles are located on the shortest side of the grease filter as standard.
- * Alternative Frame Materials available : Aluminium (1315990), Stainless Steel 430 (1315991), Stainless Steel 304 (1315992)
- * Heavy Duty Grease Filters with 25% extra filter media are available on request (Increased Pressure Drop).

Grease Filter Cleaning

To ensure the prolonged efficiency and life of a kitchen mesh 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 8, Page AC3.8).

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

