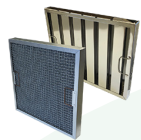


Kitchen Extract Solutions

The Airclean Kitchen Extract Solutions range offer contractors a series of products that can be used either on their own, or together to achieve grease, smoke and odour control in commercial kitchens.

For more specific details of the items in this range see our brochure, "Kitchen Extract Solutions", or visit our website at www.airclean.co.uk



Grease Canopy Filters - Mesh or Baffle

- Effective grease removal in commercial kitchen canopies
- Standard and Non-Standard sizes available
- Range of metal construction to suit specification



Electrostatic Precipitator

- Grease and smoke removal for kitchen extract systems
- In-line duct mounted solution
- Low resistance to airflow



Kitavent 2000 / 3000 / 4000

- Activated carbon grease, smoke and odour control system
- In-line duct mounted system with access doors
- Modular system caters for all airflows and restaurant styles



Controlled Ozone Injection System

- Simple to install, and can be retrofitted
- Ability to add additional ozone injectors in the future
- Can operate on airflows from 0.8m³/s to 8m³/s
- Low maintenance



Airclean Odour Neutraliser

- Neutraliser for peak odour loads in kitchen extract systems
- Neutraliser agents injection into airstream
- Easily retrofitted to canopies
- No pressure differentials



Kitchen Extract Air Handling Unit

- Full air movement system with fan for kitchen extract
- Includes activated carbon, bag filters, and optional HEPA for the full grease, smoke and odour control
- Simple controls and optional noise attenuation
- Internal or external location

EN 779 vs ISO 16890 Comparison

The table below offers a comparison of the old EN779 air filtration standard to the current ISO 16890 Standard. If you need help identifying or selecting filters, our technical team are on hand to assist.

EN 779	ISO 16890				
	Class	ISO ePM1	ISO ePM2.5	ISO ePM10	ISO COURSE
G3	-	-	-	>80%	
G4	-	-	-	>90%	
M5	-	-	>50%	-	
M6	-	50 - 65%	>60%	-	
F7	50 - 60%	65 - 85%	>85%	-	
F8	65 - 80%	>80%	>90%	-	
F9	>80%	>95%	>95%	-	

No Minimum Order

With Airclean you can order the filters you want at the quantities you need, with **NO minimum order value** and **NO minimum order quantity**.

Standard and Non-Standard Filters

Airclean manufacture both standard and non standard air filters across the range, maintaining quality and short lead times. Our team can help guide you through all the details we need to make your filter replacements.



Filter System Selections

Following the identification of your system requirements our experienced team can make simple or complex staged filtration selections to suit your application, supplying you with specifications and drawings to incorporate in your designs.

Site Surveys

Our site surveys are often free of charge, and can include air filter identification, odour risk assessments, air filter selections, upgrades and refurbishments.

Get in contact

Phone: 01622 832 777

Email: sales@airclean.co.uk

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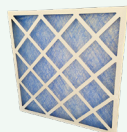
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Disposable Panel Air Filters



Glass Fibre Panel Filters

Coarse 65% | Grade G2

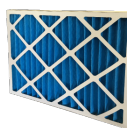
- Moisture resistant cardboard frame
- Air conditioning supply / extract prefilter
- Standard depths of 12mm, 22mm, 47mm and 97mm



Synthetic Panel Filters

Coarse 85% | Grade G3 to G4

- Moisture resistant cardboard frame
- Prefilter with non-migratory media
- High dust holding capacity
- Standard depths of 12mm, 22mm, 47mm and 97mm



Pleated Panel Filters

Coarse 75% | Grade G4

- Moisture resistant cardboard frame
- Prefilter for HP bag filters, fan protection, general dust control and HEPA filters
- Standard depths of 12mm, 22mm, 47mm and 97mm



Mini Cell Panel Filters

ePM2.5 50% to ePM1 80% | Grade M6 to F9

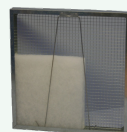
- Moisture resistant cardboard frame
- High efficiency panel air filter
- Alternative to high efficiency bag filters when space is limited



Rod / Wire Frame Fan Coil Filters

Coarse 85% | Grade G3 to G4

- Thin air filter for fan coil units, refrigeration, and air conditioning
- Protects from coarse particulates including dust, carpet fluff etc.



Pad Holding Frames

- Galvanised Steel frame and holding clip offer an alternative to disposable panel filters
- Interchangeable glass or synthetic pads
- Lower maintenance costs and saves space on site

Washable Panel Air Filters



Metal Washable Panel Filters

Grade G2

- Knitted wire mesh pad encased in a galvanised frame
- Low efficiency filtration suitable for dust removal in air conditioning and industrial applications
- Stainless Steel options available



Polyfoam Washable Panel Filters

Comparable to Grade G3 or G4 EN779

- Dual-Density polyfoam media, in a galvanised frame
- Medium efficiency filtration suitable for prefiltration
- Available depths of 22mm and 47mm

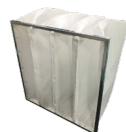
Filter Classifications

- ISO 16890:2016 : Coarse, ePM2.5 & ePM1 with percentage efficiency
- EN 779:2012 : Grades G2, G3, G4, M5, M6, F7, F8 & F9
- EN 1822:2019 : Grades E10, E11, H12, H13 & H14

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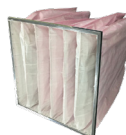
Multi Pocket Bag Air Filters



General Purpose Bag Filters

Coarse 75% | Grade G4

- Available in grades G3, G4, and M5 to EN779
- Ideal for general air conditioning and prefiltration
- Multi pockets for high dust holding, and high airflows



High Performance Bag Filters

ePM2.5 50% to ePM1 80% | Grade M6 to F9

- Available in grades M6 (Green), F7 (Pink), F8 (Yellow) and F9 (Off White). *Colours are a guide & may differ*
- Suitable for fine filtration supply air
- Multi pockets for high dust holding, and high airflows



Rigid Bag Filters

**ePM2.5 50% to ePM1 80% | Grade M6 to F9
Up to E10 to EN1822**

- High initial efficiency, can operate at varied airflow
- Rigid plastic casing with fully sealed filter media

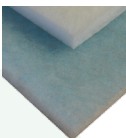
Air Filter Media



Glass Fibre Air Filter Media

Coarse 65% | Grade G2

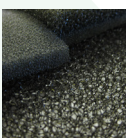
- Low efficiency media for use in spray booths and air conditioning systems
- Available in rolls or cut pads



Synthetic Air Filter Media

Coarse 85% | Grade G3 or G4

- Medium to high efficiency disposable media
- 6mm, 12mm, 25mm and 50mm thicknesses available
- Available in rolls or cut pads

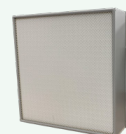


Polyfoam Washable Air Filter Media

Comparable to Grade G3 or G4 EN779

- 5mm to 50mm thicknesses available
- 10ppi (pores per inch) up to 80ppi, and dual-densities
- Available in 2x1m sheets or cut pads and panels

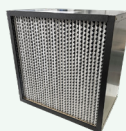
HEPA Air Filters



MiniPleat HEPA Panel Air Filters

E10 to H14 to EN1822

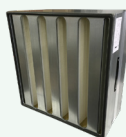
- Suitable for healthcare, research, food and beverage, electronic and pharmaceutical industries
- Continuous neoprene gasket on one side as standard
- Standard 69mm depth



Deep Pleat HEPA Air Filters

E10 to H14 to EN1822

- High efficiency particulate arrestor
- High grade filters for use in operating theatres and cleanrooms for pharmaceuticals and electronics
- Individually scan tested

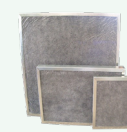


Wedge HEPA Air Filters

E10 to H14 to EN1822

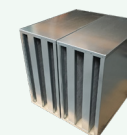
- Compact for high airflow and low pressure drop
- Individual scan test certificate with each filter
- 609x609x292mm & 609x305x292mm standard sizes

Activated Carbon Air Filters



Bonded Activated Carbon Panel Filters

- Coconut shell based activated carbon
- Suitable for adsorbing cooking odours, and other organic fumes, and odours
- Impregnated and washed carbons available for more stubborn odours



Activated Carbon Discarb Cells

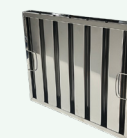
- High carbon loading, ensuring large air capacity
- Galvanised Steel casings with sealed panels to ensure no air leaks
- Popular design for use in kitchen extracts, food factories, airports, and chemical factories

Commercial Kitchen Grease Filters



Mesh Grease Filters

- Effective grease removal in commercial kitchen canopies
- Fold down wire handles, and drain holes as standard
- Metal options: Galvanised Steel, Aluminium, and Stainless Steel



Baffle Grease Filters

- Full 180 degree baffle filter blades ensure maximum grease removal and fire protection
- Fold down handles, and drain holes as standard
- Metal options: Stainless Steel 430 (mirror), Stainless Steel 304 (brushed) and Aluminium



Grease Filter Heated Cleaning Tanks

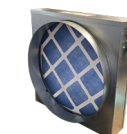
- Vertical heated cleaning tanks complete with a drain tap and heating element
- Horizontal cleaning trays
- Series 500 grease filter cleaning crystals are non caustic and cut through heavy grease build up

Filter Housings and Casings



Front Withdrawal Air Filter Frames

- Suitable for holding a panel or bag filter where front access is possible
- Can be used singularly, or pop-riveted together to create a 'wall of filters'
- Galvanised Steel construction



Spiral Duct Mounted Filter Boxes

- Designed to fit standard spiral duct sizes
- Available in G4 bag or G2 glass panel filters
- Can provide top or side access for filter change
- Alternative filter grades available upon request



MEZ Flanged Side Access Casings

- Galvanised Steel construction
- Can provide top or side access for filter change
- Alternative filter grades available upon request
- Available for panel and bag air filters



Side Withdrawal Casings

(HEPA & Carbons)

- Fully welded and painted air filter housing
- Full filter seals ensuring no air bypass
- Suitable for Panel, Bag, HEPA, and Activated Carbon
- Modular system to suit all airflows