

# AAC CARBON FILTERS

For Commercial Kitchens

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## AAC Swiftpack® System - Carbon Filter Modules for Kitchen Ductwork Systems

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For commercial kitchen extraction systems with ducted systems, we offer the AAC Swiftpack® system. This modular filter unit is designed to house the AAC PR™ range of plastic refillable carbon filters.

This simple to install solution is fitted with flanges at either end and is manufactured in both 316-stainless steel or galvanised mild steel and is suitable for use in new or existing ducted systems.

### Features & Benefits

- Incorporates the AAC PR™ plastic refillable carbon filter trays
- Pre & after-filtration capability
- Hinged or removable side access door/panel
- Airtight brush pile seals or filter slides to prevent air bypass
- Modular configurations for larger units
- CNC production methods provide high quality and uniform production construction
- CNC punched hole flanges for accurate ductwork connection



AAC Swiftpack® System

### Standard Fittings:

- Hinged side access doors complete with toggle fasteners
- Panel type Pre & after-filters
- Flanges at either end
- Name and data plate
- A complete set of AAC PR™ filters fitted with either standard or impregnated activated carbon or other media, as appropriate



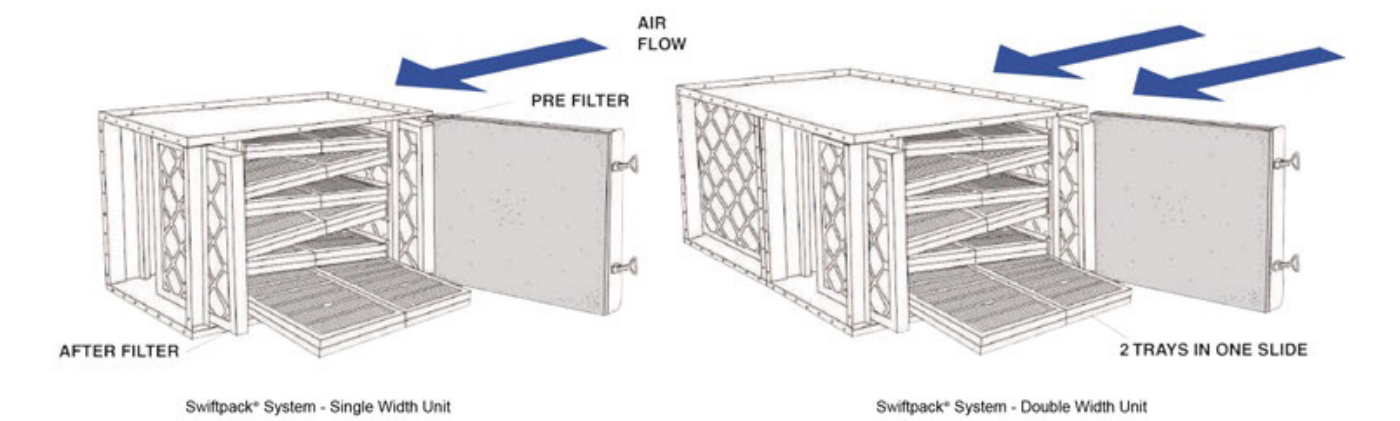
AAC Swiftpack® System



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## AAC Swiftpack® System - Carbon Filter Modules for Kitchen Ductwork Systems



Volume Flow Rate (M³/s)	Internal Unit Height (mm)			Internal Unit Width (mm)	Length (mm)
	Dwell Time 0.1s	Dwell Time 0.2s	Dwell Time 0.3s		
0.25	375	375	375	560	850
0.50	375	600	600	560	850
1.00	600	1000	1375	560	850
1.50	600	1000	1000	1170	850
2.00	600	1000	1375	1170	850
2.50	1000	1375	1600	1170	850
3.00	600	1000	1375	1780	850
4.00	1000	1200	1600	1780	850
5.00	1000	1375	2000	1780	850
6.00	1000	1375	2000	2390	850

Where site conditions dictate, variations to the above configurations can be easily made, in most cases, to enable a suitable Filter to be sized for a higher volume flow rate. Should this be the case contact our Technical Sales team for further details.

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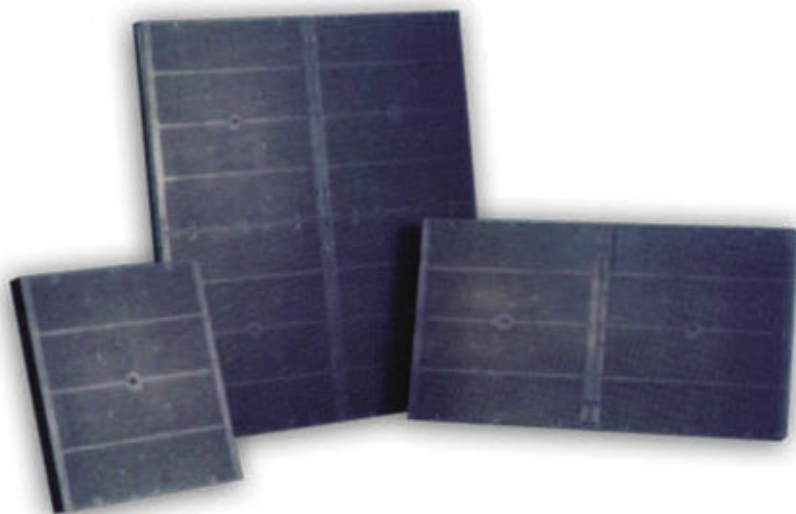
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## AAC PR™ Carbon Filters - Kitchen Odour Control

The AAC PR™ plastic refillable carbon filters can be found in many commercial kitchens in the UK and globally. Manufactured from virgin injection molded plastic and assembled at our site in Brownhills, these competitively priced filters have a removable sealing strip fitted at either end, to enable the granular or pelletised media to be easily poured out and then recharged.

The AAC PR™ range of carbon filters is available in a variety of standard sizes, and is suitable for a wide variety of Industrial and commercial applications. A low-cost design service for bespoke carbon filter projects and a fast turnaround activated carbon media resupply service is also available.



AAC PR™ Carbon Filters

Type	Normal Dimensions	
Standard	'A'	562mm x 605mm x 25mm
	'B'	562mm x 302mm x 25mm
	'C'	281mm x 302mm x 25mm
Double	'A'	562mm x 605mm x 50mm
	'B'	562mm x 302mm x 50mm
	'C'	281mm x 302mm x 50mm
Treble	'A'	562mm x 605mm x 75mm
	'B'	562mm x 302mm x 75mm
	'C'	281mm x 302mm x 75mm





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## AAC Colourcell® - Media Filter System

The AAC Colourcell® media filter system uses patented technology to provide commercial kitchen maintenance personnel with an important first stage analysis of the condition of their installed activated carbon.



The Lynx media contained within the AAC Colourcell® responds to changes in the condition of the installed media through a sequence of colour changes, providing an important visual indication of the condition of the media contained within the filter system. By monitoring changes in the appearance of the Lynx media in the AAC Colourcell® filter cell, it is easy to assess the condition of the installed media.

### Features & Benefits:

- Provides immediate indication of the Media condition
- Refillable
- Low initial cost
- Multi compartments to prevent Media settling/compacting, and any consequential air bypass
- State-of-the-art patented technology



AAC Colourcell® Media Pellets in Swiftpack® Unit

## A Guide to Replacement

The AAC Colourcell® media filter system provides an important guide as to when the installed media may be ready for CTC analysis, or for a more intensive Residual Capacity Test. A full quantitative CTC test can then be performed on the main activated carbon/dry chemical scrubbing media, to provide a comprehensive verification of the visual result. The following illustration demonstrates the sequence of colour changes within the AAC Colourcell® media filter system:



Media in new/good condition



Media in use, with some useful life

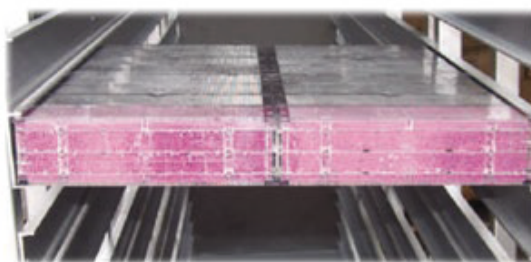


Media becoming used - breakthrough may occur. Possible chemical test required.



Media fully spent. No life remaining.

Remove a sample and crush. If the interior is purple, this confirms that useful Media life still remains.



AAC Colourcell® Media Pellets in good condition

The AAC Colourcell® Media Filter System has been designed for use as a first stage Activated Carbon/Dry Chemical Scrubbing Indicator with the following products:

- AAC PR™ refillable carbon filters
- AAC Swiftkit® carbon filter system
- AC Swiftpack® carbon filter housing

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## AAC Eurovent - Activated Carbon Services for Kitchen Odour Control

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### Dry Chemical Scrubbing Media – Activated Carbon

We hold extensive stocks of a full range of dry chemical scrubbing media. All our activated carbon is supplied with a detailed specification sheet and a current Health & Safety Data Sheet. We also hold in stock all our plastic refillable filter cell components, ensuring a rapid turnaround in filter replacement.

### Labour

We have a team of personnel dedicated to media replacement projects. They regularly attend training courses at recognised safety establishments and can offer advice regarding the correct media selection for your application, ensuring customer satisfaction in terms of competence, servicing time and quality of service.

All media replacement projects are conducted with an emphasis on safety and site hygiene. AAC Eurovent, for a small fee, can conduct Risk Assessments to evaluate any potential hazards and to identify any specialist safety equipment required during media replacement projects.

### Equipment

All the plant and equipment necessary to carry out media replacement is supplied to execute operations in the most efficient and safest manner, with due regard to the site operating conditions. All equipment supplied is, where applicable, tested and certified in accordance with H&SE requirements as well as with the IEE regulations. Examples of the types of equipment available include: Industrial vacuum cleaners, whaler tanker, gas detection/monitoring equipment and lifting hoists. All on site personnel wear the appropriate protection including dust masks, coveralls and safety foot and eye wear whilst carrying out media replacements, all in compliance with COSHH regulations.

### Pre & After Filter Replacement

It is important to change the pre-filter at regular intervals to protect a newly charged media bed. AAC Eurovent can supply all types of pre-filter media suitable for virtually all carbon filter dry chemical scrubbing installations.

### Media Testing Service

It is important to change the pre-filter at regular intervals to protect a newly charged media bed. AAC Eurovent can supply all types of pre-filter media suitable for virtually all carbon filter dry chemical scrubbing installations.

### Media Disposal

Following the replacement of media, we can arrange for the disposal of the spent media by an approved disposal company. This popular service, enables clients to be free from any direct involvement in the organisation and logistics of the spent media disposal. A certificate of safe disposal is then issued to clients for their records.





# AAC CARBON FILTERS

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## AAC Swiftkit® - Carbon Filters for Commercial Kitchen AHUs

The AAC Swiftkit® system is an AHU filter designed to enable air handling unit manufacturers to quickly and easily install the AAC PR™ range of refillable carbon filters into air handling units for commercial kitchen extraction systems.

This low-cost solution is also suitable for retro fit into existing air handling unit applications. The compact design of the AAC Swiftkit® system makes it ideally suited to projects where space is at a premium.

**This robust filter offers some key benefits including:**

- Plastic refillable filter
- Competitive price
- Simple to install "kit of parts" solution
- Designed for use with AAC Colourcell® media filter system
- Standard parts (usually ex-stock)
- Easy to retrofit on site



AAC Swiftkit® Carbon Filter Installation

The AAC Swiftkit® system is suitable for use with a range of project specific activated carbon.

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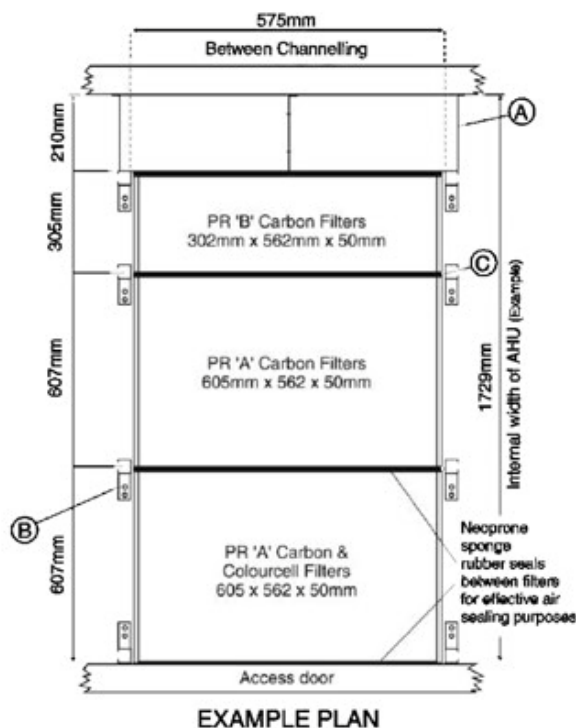
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## AAC Swiftkit® System - Carbon Filters for Commercial Kitchen AHUs

### A Step-by-Step Guide to Installing the AAC Swiftkit® System

#### Step 1

Plan Filter layout (typical layout shown below) for positioning of vertical support channelling dictated by the Filter sizes.



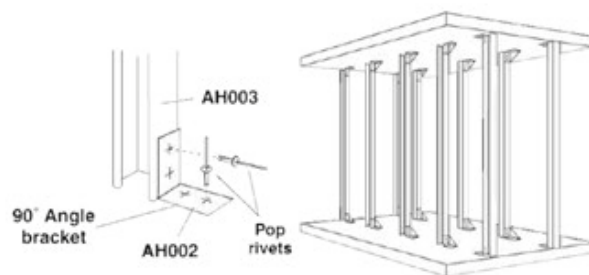
- A. Galvanised m/s bulkhead fabrication (AH001) if required
- B. Galvanised m/s 90° bracket (AH002)
- C. Galvanised m/s channelling of proprietary manufacture (AH003)
- D. Extruded aluminium filter slides complete with brushpile. (AH004).

#### Step 2

Fix bulkhead into position on rear wall, if required to take up any excess space in the AHU.

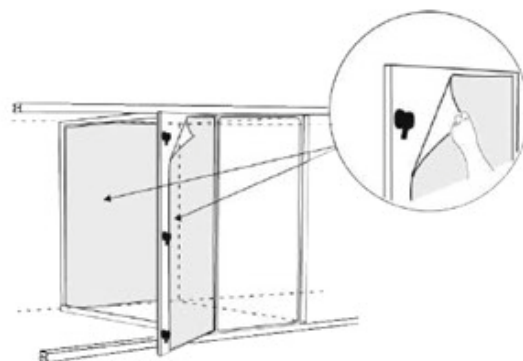
#### Step 3

Fit vertical support channelling (AH003) into position.



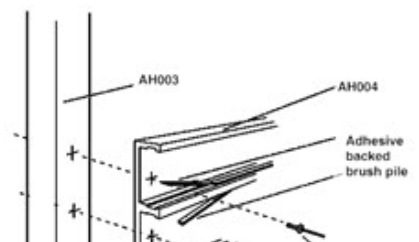
#### Step 4

Apply foam to rear wall/bulkhead and door panel using self-adhesive sponge.



#### Step 5

After determining the spacing for the aluminium extrusions, the aluminium extrusions are then fixed in place using a pop riveter and adhesive backed brush pile is applied.





GET IN TOUCH

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