

Carbon Fume Filtration Kit

The Ravex Carbon Fume Filtration Kit can be used to manage gases, vapours and odours in situations where it is not possible to safely vent them out to atmosphere.

How does carbon fume filtration work?

Carbon filters, also known as activated charcoal, work on the chemical process of adsorption, where molecules that make contact adhere to the large internal surface area of the carbon. Carbon filters have the capacity to reduce most contaminants and will absorb and retain a variety of chemicals at the same time. However, the extent to which individual contaminants will be reduced varies; carbon extraction systems must therefore be carefully designed in relation to the chemical composition of the hazard, the works process and working area.

What is included in the Ravex Carbon Fume Filtration Kit?

This is a flexible kit with a range of configuration options, but generally you will be supplied with; a capture hood, intake ducting, a filtration unit, an EU4 washable filter, a carbon filter, and a centrifugal fan. The type of fan and filtration unit may vary depending on your application. EU7 and HEPA filters are also available as optional extras.



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How is the kit set up?

The hood should be positioned as close to the activity as possible. Inlet ducting connects the hood to the filtration unit (where the filters are housed). A further length of ducting connects the filtration unit to the centrifugal fan. The high-power centrifugal fan is able to draw the fumes into the capture hood, before forcing them through the filter media. The air flow never passes over the motor of the centrifugal fan, making this set up ideal for volatile fumes.

Having assessed your application, our fully qualified BOHS consultant will recommend the most suitable configuration of fans, filters and filter units, from the following options:

Technical Specifications			
Filtration Units	WandaFilta	Wandafilta Plus	Wandafilta Plus
Length	650mm	1000mm	1100mm
Width	430mm	600mm	705mm
Height	480mm	680mm	810mm
Weight with Filters	10kg	30kg	38kg
Available Filters	EU4 (Washable Filter) EU7 HEPA Carbon	EU4 (Washable Filter) EU7 HEPA	EU4 (Washable Filter) EU7 HEPA
Centrifugal Fan Airflow	200CF 3,200 m3/hr	300CF 6,000 m3/hr	400CF 15,500 m3/hr

Features & Benefits

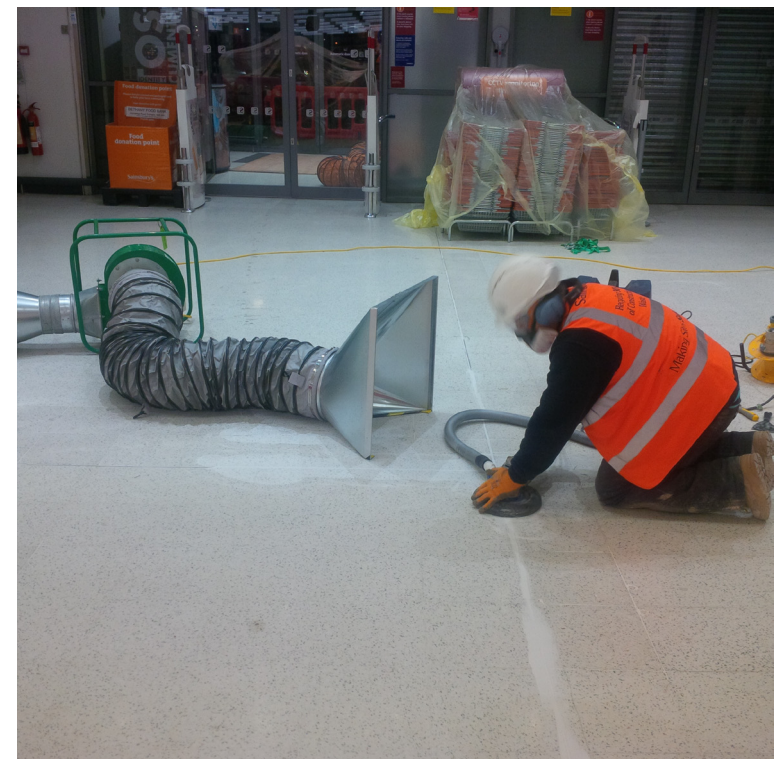
- ✓ Fumes captured at source.
- ✓ Powerful centrifugal fan options.
- ✓ A range of filter options.
- ✓ Flexible kit configuration

Key Applications

- ✓ Ideal for extracting Volatile Organic Compounds (VOC's)
- ✓ Ideal for odour control

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Examples of the Ravex Carbon Fume Filtration Kit on site.



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