

Burning Fume Filtration Kit

The Ravex burning fume filtration kit is designed to capture gases, smoke and fumes created from metal burning work, and filter out the smoke particles.

How does this unit work?

Smoke and fumes are captured by placing the capture hood close to and slightly above the burning work. A spark arrestor is incorporated to prevent sparks from being drawn into the system. The fumes are forced through a WandaFilta Plus with HEPA filtration, to filter out the particles. The heavy-duty steel centrifugal fan ensures that the airflow does not pass over the motor, making it safe for use with hot, flammable or abrasive fumes.

What is included in the kit?

Generally, the Ravex Burning Fume Filtration Kit will be supplied with; a spark guard, capture hood, ducting, 300mm Centrifugal Fan, WandaFilta Plus, EU4 filter and HEPA filter. However, every application is different and we may recommend a slightly different set up. For example, you may not require the filtration unit if there is the ability to vent straight to atmosphere. We can also supply optional extras, such as a strong magnetic capture hood, which would allow it to be suspended from steel beams.



Burning Fume Filtration Kit

What do I need to know about installation?

Due to the gases created in the burning process and the reaction, the system should be positioned venting out to fresh air rather than within the work are.

What do I need to know about maintenance?

The filters will gradually block up as they filter particles; extensive burning can block the HEPA filter (reducing the airflow) and this will then need to be changed.

Features & Benefits

- ✓ Flexible high-temperature extraction system.
- ✓ Magnetic capture hoods available.
- ✓ 240v 32a.

Key Applications

- ✓ Metal burning and cutting
- ✓ Welding fumes

Technical Specification	
Fan	Ventex 300M Centrifugal Fan
Maximum Airflow	6,000m ³ /h
Outlet ducting diameter	300mm or 450mm
Plug	32a 3-pin
Voltage	240v
Motor Size	2.4 KW
Start Current	95 amps
Running Current	31 amps
Minimum Power Supply	5kva continuously rated transformer
Generator required*	6 Kva generator c/w 5 Kva continuously rated transformer
Length	1,000 mm
Width	620 mm
Height	940 mm
Weight	75kg
Lifting method	Wheels and Handles
Noise**	82 – 86 DbA @ 3m
Filter Case	WandaFilta Plus
Filter Case Dimensions	1000 x 600 x 680mm
Filter Case Weight	30kg
Primary Filter	EU4 (washable)
Final Filter	HEPA H13 Filter

*Power cable length and the need to power other equipment may influence the exact generator size required.

** Noise levels are given as a guidance only, as the location and loading of the fan will affect the final level

Burning Fume Filtration Kit



Examples of the Ravex® Burning Fume Filtration Kit on site