RAVEX®

RAVEX® D2

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This long-reach filtration unit has been designed to effectively capture and control hazardous fumes, fine dust, chippings, and gases / odours on site.

The RAVEX® D2 features two extendable arms with 360 degree rotation, enabling workers to position the extraction cup as close to the source as possible. This is particularly useful when carrying out activities at bench height or higher. The high-performance fan (2280 m3/hr) also ensures that a high airflow is maintained.

Inside the unit there are two filters; a HEPA filter to remove fine dust and airborne particles, and there is a main filter to capture heavy dust. There is also an optional activated carbon filter to control odours and gas. This makes the unit suitable for a range of substances including; welding fume, metal dust, masonry dust, paint vapours and other VOCs.

How does it work?
The filter unit consists of one vertical pre-chamber, where the heaviest dusts are filtered out, and fall into a collecting bin (A). The finer particulate then continues to follow the labyrinth of high efficiency filtering cartridges, where it is filtered and collected in the second bin (B). Finally clean air is exhausted through the top grill.

Features & Benefits

- Protects workers from welding fumes, fine and coarse dust, small quantities of chips, odours and gas.
- Pre-fitted with articulated arms with 360° rotation for ease of use and to extract as close to the source as possible
- The extractor has an automatic pneumatic cleaning system
- Disposable filter cartridges which are easily to replace
- Produces a low noise level when in use
- Easy to move around site with lockable castor wheels

Key Applications

- On site welding
- Industry workshop welding
- Gases in non-explosive environments e.g. GRP resins, intrinsically laminate (gel coat) fumes
- Non-explosive Metal dust
- Masonry Dust
- Fume control for localised painting

A

B

Request Price

RVTGROUP™
Protecting people and our environment

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This is a specialist unit which has several high-performance features, for example, to maintain optimum performance the automatic pneumatic cleaning system blasts compressed air through the system every five minutes, so that any dust and debris outside of the filter falls into the collection bin. The unit also features horizontal disposable filter cartridges which are easy to access, remove and replace. Plus, the unit can easily be moved around the work area and secured into position using lockable castor wheels.

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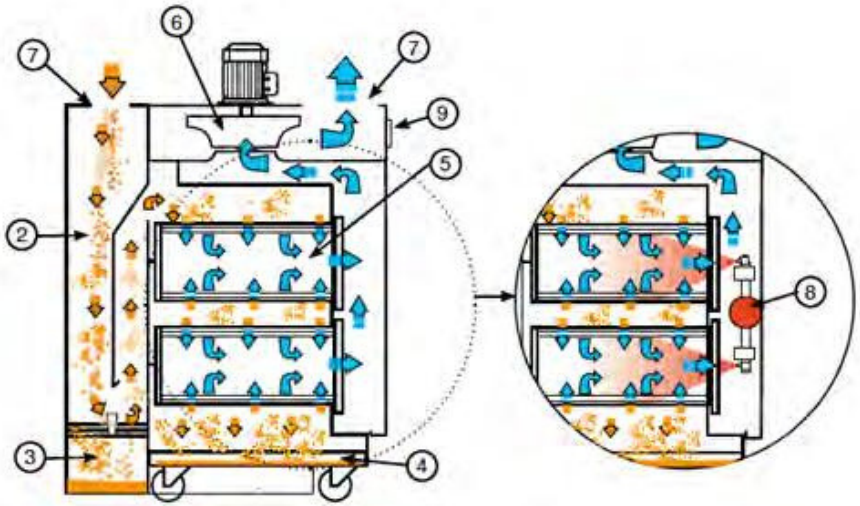
The horizontal position of the cartridges allows an easy access and a quick maintenance of the filtering area.

Clean Air

Contaminated Air

1.Polluted air outlet
2.Settling chamber
3.1st collection bin
4.2nd collection bin
5.Cartridge filters
6. Fan
7.Clean air output
8.Compressed air tank
9. Controls



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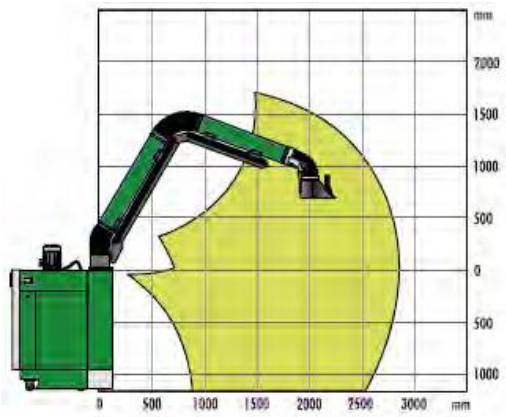
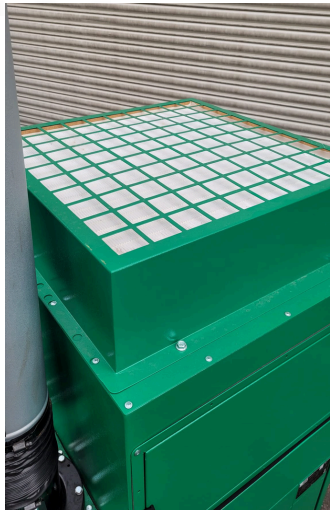
360° arm rotation at horizontal level



Activated Carbon Capacity 30kg



Technical Specifications	
Filtering Surface	16 m3, 172 sq.ft
Motor	3 HP, 2.2 kW
RPM	2800
Fan	PRM 250
Fan Voltage	400V, 50Hz
Nominal airflow	2280 m3/h, 1345 cfm
Ø150 arm airflow	2150 m3/h, 1269 cfm
Number of arms	2 x Ø150 mm, 2 x Ø6 inch
Average Noise level	70dB
Power Requirement	415v 16 amps, 3 phase (plus neutral)
Dust bin storage capacity (A+B)	12+28 lt
Weight	160 kg, 352 lb
Dimensions	Green unit: H - 183cm W - 90cm D - 100cm (135cm including the arm) Total height with the arms in the upright position - 258cm Total reach of the arms when extended - 254cm (354cm including the unit)

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