

IMPORTANT USER GUIDANCE

VENTSAFE CENTRIFUGAL

VENTILATION FANS

MODELS: VS 1000 AND VS 3000

READ ALL THE INSTRUCTIONS BEFORE USING THE EQUIPMENT



General Specification: mobile fans for blowing or extracting air, fumes and airborne dust. A variety of filter options are also available ranging from a simple filter sock to entrap coarse dust, through to multi-stage filtration at grades up to EU8 to capture medium-fine dust particles.

The smaller VS 1000 fan (top right) is mounted in a tubular metal frame for protection, and may be used in a vertical or horizontal orientation. The larger VS 3000 fan is trolley mounted for ease of movement around site, and a lifting bale allows the complete unit to be craned if required.

Installation / Operating Instructions:

Site the fan on firm level ground and ensure the unit is secure and stable. Fans are supplied complete with a 110v power lead which should be plugged into a suitable 110v power supply (16A for the VS 1000, 32A for VS 3000 - see table below).

Connect inlet / discharge ducting [and any filtration system as appropriate] before switching the fan on, ensuring these are securely fastened. Turn on the electrical supply – the VS 1000 fan will start immediately. The VS 3000 fan requires the rotary isolator to be turned to “I” and the green “start” button to be depressed. Fans will reach their full running speed within approx. 15 seconds – when viewed from the inlet duct the fan will be rotating in a clockwise direction.

To stop the VS 1000 fan switch off the power supply at source. To stop the VS 3000 press the red “Off” button, and turn the rotary isolator to “0”.

When you have completely finished with the equipment disconnect the electrical supply; ensure residual dust is removed before returning fans and any filter housing or ducting to the supplier - either by vacuuming or washing / wiping the equipment down.



Filters:

Optional Sock filters (shown below) can be fitted to the fan discharge. When full the sock may be emptied and re-used, or simply disposed of and replaced with a new one – dependant on the hazard the dust presents.



Alternatively if you require a specific filtration efficiency **Panel Filters & Multi-Pocket filters** up to EU8 grade may be fitted on the inlet (suction) side of the fan using purpose built filter housings (optional hire item). Panel and Multi-Pocket filters are not re-usable items and should simply be disposed of once blocked / full.

Note: PPE including RPE may be required when changing filters, depending on the type of dust you are handling.

Technical Information – VS 1000

Inlet Duct Diameter: 200mm (8")

Outlet Duct Diameter: 200mm (8")

Airflow: 1700 m³/Hr (1000 cfm)

Electrical Supply: 110v, 1 phase 50Hz

Appliance Lead: 110v, 16 Amp

Running Current: 12 Amps

Dimensions: L640 x W430 x H540mm

Weight 25 kg

Sound Level: 72.8 – 81.7 dBA @ 3m

Technical Information – VS 3000

Inlet Duct Diameter: 300mm (12")

Outlet Duct Diameter: 300mm (12")

Airflow: 5000 m3/Hr (3000 cfm)

Electrical Supply: 110v, 1 phase 50Hz

Appliance Lead: 110v, 32 Amp

Start/Running Current: 55 / 17 Amp

Dimensions: L 885 x W760 x H1060mm

Weight 120 kg

Sound Level: 74.1 – 78.5 dBA @ 3m

Fault Diagnosis:

Fan does not turn on:

- check mains power is connected
- check rotary isolator is "on" and green button has been pressed (VS 3000 only).

Fan runs for a short time and then stops:

- check transformer is rated for the current load.
- check extension cables are at least 2.5 mm² cross section for VS 1000, and at least 4.00 mm² for VS 3000.
- check extension cables are not longer than 30 metres.

Low Airflow:

- check ducting is not obstructed or "kinked".
- check fan discharge is not obstructed.
- check ducting length is not excessive (for lengths over 40 metres it is recommended additional fans are used in-line).

Excessive vibration / noise from fan:

- check for accumulation of dust on fan impeller.
- Check if foreign body has been drawn into fan case.
- out of balance fan rotor / drive (refer to supplier).

WARNINGS

THE FOLLOWING MUST BE OBSERVED AT ALL TIMES

- This equipment should not be used in areas containing explosive gases, vapours, or explosive dusts. We do not permit this equipment to be used offshore.
- Do not operate without fan guards and drive guards.
- Do not attempt to open / dismantle equipment.
- Beware inlet suction and outlet airstream. Wear eye protection where necessary.
- Where filters are employed the users are responsible for assessing any dust hazard, ensuring that dirty filters are changed without risk to operatives or others, and users must ensure that spent filters are removed from the equipment prior to its return to the supplier. Spent filters must be disposed of in accordance with the national regulations appropriate to the dust / material being collected.

FOR MORE INFORMATION ABOUT OUR RANGE OF SPECIALIST AIR FILTRATION AND VACUUM EQUIPMENT PLEASE SEE OUR WEBSITE www.envirogard.co.uk OR CONTACT OUR HIRE DEPOTS



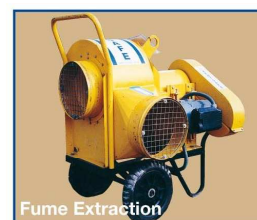
Aircleaner



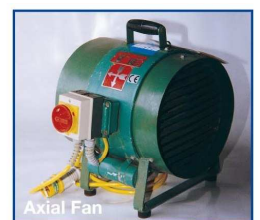
Ventilation



Portable Dust Capture



Fume Extraction



Axial Fan



HEPA Filtration



Ducting



Dust Suppression



Cluster Jet

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