

RAVEX[®] Welding Control Container

Fume Extraction

The RAVEX[®] Welding Control Container is a self-contained, containerised Local Exhaust Ventilation (LEV) system designed to provide a dedicated workspace for welding activities where a permanent work space is impractical. The unit combines an integrated extraction arm, built-in filtration system and dedicated workbench within a mobile, enclosed environment that can be relocated to the point of need.

Built from a converted shipping container, the system is designed to capture welding fumes and airborne contaminants at source, drawing them away from the operative through the extraction arm and filtration system. This provides a controlled working environment to support COSHH-led exposure management during welding operations, temporary works and customer demonstrations.

Features

- Integrated filtered extraction system – built-in filtration system designed to capture and filter welder fumes.
- Adjustable extraction arm – flexible positioning for effective fume capture at the welding point.
- Integrated workbench – dedicated work surface for welding, fabrication and repair activities.
- 10 kVA transformer – integrated transformer providing electrical power conversion for compatible equipment.
- Lockable security shutter – provides secure closure of the unit when not in use.
- Combines workspace, fume extraction and electrical provisions within one integrated solution.
- Containerised construction allows the unit to be transported and deployed at different locations.
- External electrical connections for powering compatible equipment when working outside the container.

Benefits & Advantages

- Extraction arm to capture welding fumes at source, helping reduce airborne contaminants within the workspace
- Provides a designated area for carrying out welding activities within the container.
- Offers a practical working surface for welding tasks, helping keep equipment and materials organised.
- Assists with the control of exposure to welding fumes as part of a wider workplace health and safety strategy.
- Provides an alternative to constructing a permanent welding bay for temporary projects/site works.
- Combines the workspace, extraction and filtration into one integrated unit, reducing the need for separate installations.



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Technical Data

Specification	Ravex [®] Welding Control Container
Power supply	32A 415V
Motor specifications	400V Three Phase Induction motor 2920rpm @ 50Hz
Fan specifications	Flow Rate - 0.5 m ³ /s Pressure - 1,600 Pa at 20°C Fan Speed - 2,840rpm
Extraction system features	Extraction arm – positionable extraction arm for capturing welding fumes at source. Duct dampers – integrated duct dampers for controlling and regulating airflow through the extraction ductwork.
Extraction performance	Hood Face Velocity - 3.81m/s with 262mm Capture distance Duct Velocity 21.82m/s
Filtration system Features	Multi-stage filtration incorporating spark protection, pre-filtration and high-efficiency particulate filtration.
Dimensions	TBC

Key Applications

- Dedicated welding workspace area for carrying out welding activities within the container.
- Integrated workbench offers a practical working surface for welding tasks.
- Extraction and filtration into one integrated unit, reducing the need for separate installations.
- Mobile and relocatable containerised construction allows the unit to be transported and positioned
- Combines functionality, portability and integrated fume control in a purpose-built welding environment.

Suitable for:

Construction | Industry | Rail | Manufacturing
Utilities | Infrastructure | Hire and Plant

