

FUME 200 Portable Welding Fume Collector

Brief Introduction:

The harmful substance in the smoke caused in the process of welding and related activities:

- Gaseous toxic and harmful substance such as Carbon Monoxide, Ozone and Nitric Oxide;
- Copper, Aluminium and Zinc which exist as smoke in the air;
- Harmful particulate substances Fe₂O₃, Aluminium Oxide, Fluoride, Barium compounds, Chromium compounds, Nickel Oxide, Cadmium Oxide, Chromium Hexa Trioxide and Dioxide Thorium and so on;
- Carcinogens such as Nickel Oxides, Chromium Oxide and so on;
- Radioactive substances

How it Works:

The dirty air is drawn in through the arm into the filter housing where it hits the flow distribution plates and changes direction. Then the air flow goes upward which causes the heavier particles to drop out of the air flow before hitting the filter. The remaining fine dust and fumes go through the filter cartridge and are filtered out. The clean air is exhausted through the exhaust silencer.

The automatic pulse cleaning system cleans the cartridge and causes dust to fall into the collection tray which can be emptied.

The filter elements are horizontally loaded, the filter media is high efficiency Nano-web with fire retardant treatment in case of sparks which may pass into the fume collector. The filter media ensures the dust cleaning efficiency and prolongs the service life.



Application:

- Welding Smoke
- Cutting Smoke
- Grinding Dust

Features:

- Large air flow and good suction efficiency.
- Low noise.
- High filter efficiency, low emission.
- Automatic pulse cleaning
- Easy to handle, move.
- Rigid arm sections as standard, fully flexible arms as option.
- Multi-welding station for units with 2 arms.

Technical Specification:

Model	Fume-150	Fume-200	Fume-300
Filter Area	20	20	40
Cartridge Size	352Ømm x 660mm		
Air Flow (m ³ /Hr)	1500	2000	3500
Power	2.2kW	3.0kW	4.0kW
Number of Arms	1	1 or 2	2
Body Size (W x D x H)	740 x 1147 x 1286	740 x 1147 x 1286	740 x 1147 x 1726



+61 7 3208 3499
sales@filquip.com.au
www.filquip.com.au

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