



Fume Extraction Equipment

Benefits:

- Low operating costs with cleanable long life cartridge filters
- Compact design
- Highly mobile
- Pneumatic filter cleaning manual with compressed air gun or fully automatic
- Tough plastic housing
- Suitable as soldering fume filtration unit (custom unit)
- Auto-start through welding arc possible
- Optional activated carbon order filter

Data dependent on equipment type



SRF K-10



The mobile welding fume extractor SRF K-10 is suitable for all types of welding workstations. The unit generates such a high airflow volume that even large clouds of welding smoke can be extracted effortlessly. The smoke filled air will be filtered with 99.9% efficiency and the clean air will be returned into the workplace.

New OSHA Regulations For Hexavalent Chromium Exposure

OSHA's new regulation for employee exposure to hexavalent chromium (Cr(VI)) b - a natural metal used in the manufacture of stainless steel - has significantly reduced the **permissible exposure limit from 52 to 5 micrograms**. The regulation (Volume 71, Number 39, 10099-10385) also includes provisions relating to preferred methods for controlling exposure, respiratory protection, protective work clothing and equipment, hygiene, medical surveillance, hazard communication, and record - keeping. Effective May 30, 2006, the new rule does not require the installation of engineered controls, including air filtration equipment, until May 30, 2010.

This standard applies to all manufacturing processes where hexavalent chromium is present including welding. While all types of welding could be affected, the highest concentration will be from the fumes generated in welding stainless steel. The major health effects associated with exposure to Cr(VI) include lung cancer, nasal septum, ulcerations and perforations, skin ulcerations, and allergic and irritant contact dermatitis.

This new regulation provides for greater employee protection against these health risks by lowering the permissible exposure limit (PEL) for hexavalent chromium, and for all Cr(VI) compounds, from 52 µg to a much more stringent 5 µg of Cr(VI) per cubic meter of air (5 µg/m³) as an 8-h time-weighted average.

SRF K-15



The SRF K-15 is the big brother of the SRF K-10. This model is recommended for large amounts of welding smoke or for simultaneous extraction of two work stations. Also suitable for smaller stationary systems.



Welding fume filter model SRF		K-10	K-15
Max. airflow	cfm	589	117
Intake diameter	in	6	2 x 6
Max. negative pressure	in water	10	10
Voltage	V / ph	110/1	220-480/3
Motor	hp	2	3
Filter surface	sq ft	108	161
Dimensions (L/W/H)	in	37/30/54	37/30/54
Weight	lb	152	163

Special Features:

- Filter cleaning with compressed air gun (manually) or fully automatic
- Cleanable long life dust cartridge filters (including Steel with Chrome-Nickel-Steel content)

Application Range:

- Intermittent and continuous duty operation
- Welding of all types of metals (including Steel with Chrome-Nickel content like Stainless Steel with special filter element)
- Soldering fume extraction

Data dependent on equipment type

Disposal of the dust

By tilting the filter housing the extracted dust slides through the opening at the bottom into the sealable dust collection bag. This ensures removal of the dust with out a mess.



Patented ESTA tilt mechanism



Convenient disposal of the dust



Wall console for SRF K/10-15

Wall console

Metal bracket for wall mounting of the welding fume filter.



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