



Substitution

- Process
- Consumable
- Gas
- Procedure
- Advanced Welding Technology

Isolation

- Automate and Ventilate
- Regulated Work Area

Ventilation

- Source Extraction
- Local Exhaust Ventilation
- General Shop Extraction and Ventilation

Proper Work Practices

Personal Protective Equipment

Medical Surveillance²

Housekeeping

Clothing and Hygiene

Air monitoring—initial assessment to compare potential fume exposure level to the applicable standard.

Air monitoring—periodic assessment of ventilation controls to demonstrate continued fume control below applicable standard.

Air monitoring—to assure adequacy of respirator protection factor.

Training—Welding work practice controls.

Training—Welding and ventilation work practice controls.

Training—PPE training, proper work practices, personal hygiene, medical surveillance, hazard communication, recordkeeping, etc.

Equipment maintenance

Ventilation equipment maintenance

PPE and respirator maintenance

²May be required by OSHA regulations. For example: Chromium: 29CFR1910.1026(k), Cadmium: 29CFR1910.1027(i)

The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, maintenance of the equipment and the specific welding procedure and application involved. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

CUSTOMER ASSISTANCE POLICY

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