

Lesson Review: Welding & Cutting

When welding or cutting is being performed it must be done in a designated safe location or, if the object may not be moved, all potential fire hazards within the area must be removed or otherwise protected.

For gas welding operations:

- Proper care must be taken during transportation and storage of gas cylinders
- Valve protection must be in place at all times
- Cylinders should remain upright
- Gas cylinders must be kept separate from incompatible oxygen cylinders.

All parts and connectors of arc welding equipment must be:

- Properly insulated
- Capable of protecting against the maximum voltage encountered to ground.

When Cutting or Welding in confined spaces:

- Proper ventilation must be available and arranged to remove fumes and smoke at the source and keep their concentration in the breathing zone within safe limits
- If ventilation is unattainable, employees must be protected by air line respirators.
- Means must be provided for quickly removing them in case of emergency.

Remember: When highly flammable coatings exist on a surface that will be exposed to welding or cutting, the coating must be stripped from the area to prevent ignition.



Employers must train employees on proper operating instructions.