

Compressed Gas Safety Training

Compressed gas safety is important for any facility that uses compressed gas cylinders. In this compressed gas safety course, your students will learn about the dangers of compressed gas, how to safely move a compressed gas cylinder and how to properly store a compressed gas cylinder. Students will also learn the purpose for the regulator and flame arrester and how to check for cylinder leaks. "Compressed Gas Safety" qualifies for continuing education units.

Rich multimedia presentation with interactions and quiz

Audience

Compressed gas safety is required for all employees who work around compressed gas cylinders.

Topics

The course presents the following topical areas:

- Hazards
 - Hazard awareness
 - Chemical hazards
- Handling and storage
 - Handling compressed gas cylinders
 - Storing compressed gas cylinders
- Mechanisms and fittings
 - Regulators
 - CGA fittings
 - Pressure Relief Device (PRD)
 - Flame arresters
- Leaks
 - Checking for leaks
 - Dealing with leaks

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Intended Learning Outcomes

Upon successful completion of this course you will be better prepared to:

- Identify hazards associated with compressed gas cylinders.
 - Identify cylinder labels as a primary source of hazard information.
 - Identify items that cannot be relied on to recognize hazards.
 - List hazards associated with compressed gases.
 - Agree to never smoke around compressed gas cylinders.
- Properly handle compressed gas cylinders.
 - Recall the possible hazard of dragging cylinders.
 - State the best way to move a cylinder.
 - Identify the function of the safety cap as protecting the cylinder valve.
 - List steps to safely handle compressed gas cylinders.
- Properly store compressed gas cylinders.
 - Distinguish the four basic methods of storage.
 - Select proper storage techniques.
 - List safety precautions when storing oxidizers and flammable cylinders.
- Identify the safety features of cylinder fittings and other devices.
 - Explain the purpose of a regulator.
 - Agree that there are specific CGA fittings for specific gases.
 - Explain the purpose of a PRD.
 - Define a flashback.
 - Select a flame arrester as the device to prevent a flashback.
- Test for leaks with a compressed gas system.
 - Recall the need to check valves and fittings for leaks once cylinders are connected and systems assembled.
 - Explain how to check fittings and valves for leaks.
 - Describe steps to take if you suspect a leak.
 - Agree to follow your facility Emergency Plan.

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