

# Valve Safety

**Objective:** To raise awareness of common hazards associated with compressed gas cylinders

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The valve is the most important component of a compressed gas cylinder, as well as the most fragile. When working with cylinders, follow best practices for cylinder valve use and care.

## Valve Types

Before use, assure that cylinders are fitted with the correct type of valve for the cylinder's contents and planned work.

- **Pressure seal valves** are used for oxygen, hydrogen, and inert gases.
- **Packed valves** are used for corrosive and reactive gases.
- **Diaphragm valves** can be used for most hazardous materials other than fluorine.

## Safe Practices

- Close valves, bleed the lines, remove regulators, and replace safety valve caps:
  - When storing cylinders.
  - Before moving cylinders.
  - When a cylinder is empty.
  - When leaving cylinders unattended.
- Do not tamper with or modify valves or safety caps.
- Assure that all cylinders are equipped with a handle or wrench, so that they can be turned off immediately when necessary.

# Valve Safety

This form documents that the training specified above was presented to the listed participants. By signing below, each participant acknowledges receiving this training.

Organization: \_\_\_\_\_ Date: \_\_\_\_\_

Trainer: \_\_\_\_\_ Trainer's Signature: \_\_\_\_\_

**Class Participants:**

Name: \_\_\_\_\_ Signature: \_\_\_\_\_

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