

Compressed Gases

Course Description

This online course will provide a general overview of the important issues surrounding compressed gas safety.

We start by defining the three types of compressed gases---Liquefied gases, Non-liquefied gases and Dissolved gases.

You'll learn about why and how gases are compressed, along with industry terminology and the different types of gas cylinder, including high-pressure, low-pressure and cryogenic.

We'll also cover the main types of compressed gas cylinder connections, valves, and pressure regulators.

Other topics include the four steps of a risk assessment and the hierarchy of control.

You'll be taken through the hazards involved in using, storing, and handling compressed gas cylinders---both chemical and physical. There's also information on bulk storage labelling and the safety aspects when transporting, manual handling, and storing compressed gas cylinders.

We'll cover safety regulations and guidelines, along with regulators, gauges, and how to deal with a leaking cylinder.

You'll also learn the correct way to dispatch, receive and dispose of compressed gas cylinders. We'll also discuss emergency procedures and the importance of training initiatives.

Finally, we'll describe the most common types of compressed gas, including LPG propane, compressed air, oxygen, and acetylene, and there'll be useful notes on inert gases, helium, chlorine, hydrogen, carbon monoxide, carbon dioxide, and ammonia.

Learning Objectives

When you have completed this course, you will be able to:

- Understand the key characteristics of compressed gases.
- Identify compressed gases by the labels.
- Safely transport, handle, and store compressed gas cylinders.
- Safely use cylinders, regulators, and gauges.
- Understand the specific hazards of some common compressed gases.

Target Audience

This course is aimed at anyone required to work with or near to compressed gases as part of their role. The course is also useful to supervisors and managers in workplaces that use compressed gases as they will need to understand the potential hazards present.

Advantages

Online training is flexible, efficient and cost effective meaning the candidate can progress through the modules at their own pace and in their own time, so they can fit the training around their work and personal life.

Further Progression

Other courses that we offer that would complement this one include, Safety in a Construction Environment, PPE or any of the other industry relevant health and safety courses.

Modules

Course	Module Number	Module Name	Pass % Required
Compressed Gases	1	Introduction	70
Compressed Gases	2	Risk Assessments	70
Compressed Gases	3	Hazards	70
Compressed Gases	4	Moving Compressed Gas Cylinders	70
Compressed Gases	5	Regulations and Guidelines	70
Compressed Gases	6	Types of Compressed Gas	70

Recommended System Requirements

- Browser: Up to date web browser
- Video: Up to date video drivers
- Memory: 1Gb+ RAM
- Download Speed: Broadband (3Mb+)

Duration: 55 minutes (*Note: This is based on the amount of video content shown and is rounded off. It does not account in any way for loading time or thinking time on the questions*).