

Training Requirement

Employees using or coming into contact with compressed gases and equipment require training on the safe use of the gases and equipment in line with current H & S guidelines and Codes of Practice.

Training Objective

Comprehensive training leading to the award of a Compressed Gases Safety Passport Card demonstrating the delegate has been provided with, and has understood, the safety requirements for the safe use of the gases and equipment.

Compressed Gas User Workshop (Laboratory & Industrial Gases)

Classroom Session 3½ hours

Interactive training on compressed gases and equipment with topics including: Operator behaviours, gas properties & hazards, cylinder identification & data, associated equipment, flammable toxic & special gases (as appropriate), emergency procedures, PPE, cylinder storage & handling, legislation & Codes of Practice.

As appropriate - **Manifold Instruction allow additional 30 minutes**

Practical Session approximately 1- 1.5 hours

Before use checks, regulator fitting and manual handling of cylinders.
Review of manifold procedures as appropriate.

Certification

PGS Certificate of Achievement on attaining minimum 75% pass rate.
Gas Safety Passport Card valid 3 years – a reminder of Passport renewal will be provided. The Passport is provided when delegates have successfully completed both classroom and practical training.



Onsite	Webinar	Blended
Face to face classroom and practical instruction at your location*	Trainer led – real time session, allows delegate interaction with Q&A. Practical demonstration included	e-Learning course supplemented by onsite practical instruction
Classroom 3.5hrs	Classroom 3.5hrs	1-.15hrs learner dependant
Practical 1.5 hrs approx. Max 2 session 4 delegates per session	Trainer led practical demonstration supported by Video 1hr	Onsite practical module 2hrs. Max 3 sessions per day with up to 4 delegates*
£895 plus £85 per learner	£895 plus £85 per learner	From £50pp Plus £895 for onsite practical
Maximum of 8 delegates	Maximum of 12 delegates	Unlimited e-Learners Max 12 onsite
Scheduled at customer request. Interactive trainer led session with practical demonstration on your equipment.	Scheduled at customer request, uses remote voting technology to engage learners. Onsite practical session available on request*	Train at your convenience. Interactive and accessible course

*Onsite elements are only available where our Covid-19 safety guidelines can be met

Onsite Training Facilities Required

- Suitable training room equipped with a screen or monitor and electrical supply

- Access to cylinders and regulators for practical session

E-learning

Compressed gases safety training is available from the PGS website
<https://pgstraining.com/safety-training/compressed-gases-safety-e-learning-course/>
Call for multiple user details.

EAL Awarding Organisation Certification.

EAL (Excellence Achievement Learning Ltd)
PGS has been independently verified by EAL as a provider of Compressed and Cryogenic Gases Safety workshops. PGS training delivery, assessment, quality assurance, customer support documentation and procedures have been found to meet their exacting standards.

This accreditation enables PGS to offer the option of:

EAL Level 3 Award 2 Total Credits (Ofqual registration 600/1433/7)

An Unrivalled level of Gas Safety Qualification only available through PGS
£75 per learner

For further information or to book training please contact:
Proactive Gas Safety
01606 872864



Compressed Gases Learning Objectives

At the end of the training all delegates will:

1. Have established their current level of knowledge
2. Understand the manufacture and filling processes of cylinder gases
3. Understand the properties of common compressed gases with direct safety implications
4. Understand the relationships between Pressure, Volume and Temperature of gases in sealed containers
5. Understand the effects of Oxygen deficient and enriched atmospheres, with particular reference to confined spaces
6. Understand the hazards of compressed Oxygen when exposed to contamination with oil-based substances
7. Know the definition and hazards of pressure, and its relevance to cylinder/hose/pipe construction with special reference to safety relief devices
8. Have a detailed knowledge of the hazards and properties of Oxygen, Inert and Flammable gases (as appropriate)
9. Understand the emergency procedures for flammable gases
10. Understand the hazards associated with the leakage of LPG and the need for correct storage of LPG cylinders
11. Have a general knowledge of the hazards associated with Toxic and Corrosive gases, associated safety devices and hazard nomenclature
12. Know how to handle gas cylinders safely and correctly
13. Know the hazards associated with incorrect manual handling of gas cylinders
14. Understand general Risk Assessment and Safe Systems of Work procedures
15. Know how to identify cylinder gases correctly, and understand Special Gas labelling
16. Understand the general requirements for safe storage and transport of gas cylinders
17. Be able to carry out safe and thorough leak detection
18. Understand the general requirement for, and function of, compressed gas system safety devices such as flashback arrestors and non-return valves
19. Understand the differences between Single and Two-Stage regulators and make an informed selection of the correct regulator for specific laboratory processes
20. Understand gas equipment date marking
21. Know the correct Personal Protective Equipment to wear
22. Be able to undertake a Before - Use safety assessment of their work area
23. Be able to perform regulator Before-Use Checks and fit/remove a regulator to/from a cylinder
24. Understand the general function and operation of manual and semi-automatic compressed gas manifold systems with reference to the general principles of manual cylinder changing techniques. (as appropriate)

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