

## Users of Compressed Gases and Equipment

Personnel using compressed gases and equipment require information on the safe use of the gases and equipment in line with current H & S guidelines and Codes of Practice.

## Compressed Gas User Safety Course

Interactive course on compressed gases and equipment with topics including: Operator behaviour, gas properties & hazards, cylinder identification & data, associated equipment, flammable toxic & special gases, emergency procedures, PPE, cylinder storage & handling, legislation & Codes of Practice.  
As appropriate, manifold operations, cylinder transport.

Multiple choice questions are held throughout with a final test requiring 75% pass rate.

## Onsite Practical – 1 hour session in groups of no more than 6 persons

The trainer will demonstrate, and all learners will be given the opportunity to undertake, before-use checks, regulator fitting, manual handling of cylinders.  
(Includes question and answer session when taken following e-Learning requires an additional 30 minutes.)

## Onsite Facilities Required

- Suitable room equipped with a screen or monitor and electrical supply
- Access to compressed gases and equipment for practical session
- To participate in practical session cylinder manual handling and regulator fitting, learners must wear PPE according to local site conditions, the minimum being safety shoes, gloves and goggles.

## Certification

- PDF Certificate of Achievement on successful completion
- Optional hard copy certificate and credit card style passport available @ £5 per learner.

Certification is valid for 3 years after which refresher instruction is recommended

## 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



<b>Delivery Options</b>	<b>Price</b> (VAT at standard rate applicable)	<b>Duration</b>	<b>Max no. of learners</b>
Onsite classroom & up to 2 practical sessions	£1,195 + £90 per learner	Classroom session 3.5 hour Practical sessions 1 hour	12
e-Learning	£60 per learner	1.5 hours	Unlimited
Real-time Webinar	£695 + £60 per learner	3.5 hours	24
Onsite practical day (following e-Learning or webinar)	£1,195 + £30 per learner	up to 3 @ 1.5 hour practical sessions	18

For further information or to book training please contact:  
Tel: 01606 872864  
Eml: [admin@pgstraining.com](mailto:admin@pgstraining.com)



British  
Cryogenics  
Council



## Compressed Gas User Course

### Aim

To provide information so that the risk associated with the use of compressed gases is minimised, resulting in an assured workforce and a safer workplace.

### Objective

To aid delegates by providing such information as to enable them to perform a dynamic risk assessment in line with their company's risk assessment and method statement.

### Course Content

1. Legislation and Codes of Practice.
2. The minimum requirements for Personal Protective Equipment.
3. The manufacture and filling processes of cylinder gases.
4. Manual handling of gas cylinders.
5. The properties of common compressed gases with direct safety implications.
6. The relationships between pressure, volume, and temperature of gases in sealed containers.
7. The effects of oxygen deficient and oxygen enriched atmospheres.
8. The effects of carbon dioxide enrichment.
9. Rapid, and slow, asphyxiation.
10. The requirement and use for atmospheric monitoring.
11. Flammability ranges of LPG, acetylene and hydrogen.
12. Identification of cylinder gases and understanding of Special Gas labelling.
13. Gas equipment date marking.
14. PTFE tape misuse with associated hazards.
15. Regulator choice for the process, and pre-use checks.
16. Flashback arrestors and non-return valve requirement, and pre-use checks.
17. Hose choice for process, and pre-use checks.
18. Setting working pressures correctly and safely.
19. Leak detection procedures.
20. Overview of storage and transport of gas cylinders.
21. Manifold system function and operation.
22. Actions involving cylinder incidents.