

Users of Oxy-fuel Equipment

Personnel using oxy-fuel 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.

BCGA CP7 Extract

All personnel directly involved in the assembly, operation and maintenance of oxy-fuel pressure equipment shall have the necessary skills and knowledge to carry out their job safely and shall receive appropriate information, instruction and training, including induction and continuation/refresher training. Such training shall be both theoretical and practical.

Oxy-fuel Gas User Safety Course

Interactive course with topics including:

Legislation & Codes of Practice, operator behaviour, gas properties & hazards, PPE requirements, cylinder identification & labelling, gas equipment pre-use, safe light up and shut down checks, emergency procedures, cylinder storage, handling & 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, light up & shut down procedures.

(When taken following e-Learning, includes question and answer session which will require an additional 30 minutes per session.)

Certification

Learners successfully completing both theory and practical course:

- Certificate of Achievement
- Gas Safety Passport Card

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

Where e-Learning takes place without practical session:

- Certificate of Achievement (pdf emailed on completion)



Delivery Options	Price (VAT at standard rate applicable)	Duration	Max no. learners
Onsite classroom & up to 2 practical sessions	£995 + £85 per learner	3.5 Hour classroom 1 Hour practical sessions	12
E-learning	£55 per learner	Approx 2 hours	Unlimited
Onsite practical day (following e-Learning)	£995 + £30 per learner	up to 4 @ 1.5 Hour practical sessions	24

Onsite Facilities Required

- Suitable room equipped with a screen or monitor and electrical supply
- Access to oxy-fuel gases and equipment

To participate in the practical session, learners must have available PPE according to local site conditions, the minimum to include, safety shoes, goggles, flameproof overalls.



At the end of the training all learners will:

1. Have established their current level of knowledge
2. Know the requirements for safety inspections of mobile Oxy-Fuel equipment derived from current legislation and industry Codes of Practice
3. Understand the manufacture and filling processes of industrial cylinder gases
4. Understand the common properties of all gases with direct safety implications
5. Understand the relationships between Pressure, Volume and Temperature of gases in sealed containers
6. Know the definition and hazards of pressure, and its relevance to cylinder and pipework/hose construction with special reference to safety relief devices
7. Have a detailed knowledge of the hazards and properties of Oxygen, Inert and Fuel gases
8. Understand the effects of Oxygen deficient and enriched atmospheres, with particular reference to confined spaces
9. Understand the hazards of compressed Oxygen when exposed to contamination with oil-based substances
10. Understand the hazards associated with Acetylene, Propane and where appropriate, Hydrogen
11. Understand the emergency procedures for flammable gases
12. Understand the hazards associated with the spillage of LPG and the need for correct storage of LPG cylinders
13. Know how to handle gas cylinders safely and correctly
14. Know the hazards associated with incorrect manual handling of gas cylinders
15. Understand basic Risk Assessment and Safe Systems of Work procedures
16. Know how to identify cylinder gases correctly
17. Understand the basic requirements for safe storage and transport of gas cylinders
18. Understand the basic functions of gas welding equipment and the requirements for related safety devices
19. Know the correct Personal Protective Equipment to wear including correct lens shade for material being cut
20. Be able to carry out safe and thorough leak detection
21. Be able to undertake a Before-Use safety check of mobile Oxy-Fuel equipment
22. Understand correct purging and safe light up procedures
23. Understand safe shut-down procedures