

Self Assessment – Oxy-fuel Equipment

For your own safety and/or safety of your work force, and to improve the efficiency of your business practices, you should be aware of, and keep up to date with the latest relevant safety legislation and good practice.

To help you do this we've put together the following Safety Assessment information to help you work safely with oxy-fuel gas systems.

Select YES or NO in answer to the following questions

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|----|--|--------------------------|--------------------------|
| 1 | Are standard operating procedures in place covering the assembly and safe use of gas cylinders and associated equipment in the workplace? | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | Are the users of oxy-fuel gas cylinders and equipment adequately trained with respect to gas properties and hazards? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | Are all cylinders upright and secured? | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | Are cylinders correctly labelled and colour coded? | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | Are appropriately sized trolleys fitted with chains/straps provided to move cylinders in and out of the work area? | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 | Are spindle keys available for all cylinders within the work area?
(An oxy-acetylene workstation should have two keys) | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 | Are gas regulators and flashback arrestors subject to an asset register system, identifying their age and replacement date? | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 | Are annual inspection records available for all regulators, flashback arrestors, hoses and torches? | <input type="checkbox"/> | <input type="checkbox"/> |
| 9 | Are all regulators and flashback arrestors within (the manufacturer's recommended) scheduled replacement dates? | <input type="checkbox"/> | <input type="checkbox"/> |
| 10 | Is the above information clear to the equipment operator(s)? | <input type="checkbox"/> | <input type="checkbox"/> |
| 11 | Is the equipment labelled with the next inspection date? | <input type="checkbox"/> | <input type="checkbox"/> |
| 12 | Are the regulators labelled correctly with;
a. name of the gas
b. maximum inlet pressure
c. maximum outlet pressure
d. BS EN number
e. manufacturer/supplier's name or logo | <input type="checkbox"/> | <input type="checkbox"/> |
| 13 | Are the correct regulators being used for the gases contained within the cylinders? | <input type="checkbox"/> | <input type="checkbox"/> |
| 14 | Is the correct regulator type being used (bottom entry for BOC cylinders and side entry for cylinders supplied by other gas suppliers)? | <input type="checkbox"/> | <input type="checkbox"/> |
| 15 | Are the regulators in good condition, no visible damage with clean threads and no unauthorised repairs? | <input type="checkbox"/> | <input type="checkbox"/> |
| 16 | Are the correct flashback arrestors fitted to both the oxygen and fuel gas regulators? | <input type="checkbox"/> | <input type="checkbox"/> |

17	Are the flashback arrestors undamaged and clearly labelled?	Y	N
18	Are the correct hoses being used? Red Acetylene Orange Propane Blue Oxygen	Y	N
19	Are the hoses free from deterioration, damage (heat or mechanical), significant contamination?	Y	N
20	Are the hoses fitted with the correct connections? (Not worm drive clips)	Y	N
21	Is a hose check valve fitted to each hose at the torch connection?	Y	N
22	Are hose(s) free from joints and repairs?	Y	N
23	Are the hoses fully extended whilst the equipment is in use?	Y	N
24	Is the torch free from damage and in good condition?	Y	N
25	Is the correct size of nozzle being used for the job being undertaken?	Y	N
26	Are nozzle data charts available to operators to enable them to select the correct size of nozzle?	Y	N
27	Are the correct gas pressures being set for the nozzle size and thickness of plate being used?	Y	N
28	Are all fittings free from jointing compounds or thread tape (PTFE)?	Y	N
29	Are the correct tools on hand to fit regulators and other control equipment? (Not adjustable spanners)	Y	N
30	Is an appropriate leak testing solution available and used by operators each time prior to use?	Y	N
31	Are operators lighting oxy-fuel gas systems with the correct spark lighters?	Y	N
32	Are all staff equipped with appropriate PPE and trained in its use? (Eye protection, gloves and safety footwear)	Y	N
33	Is all damaged or defective equipment replaced immediately? A principle of zero tolerance to damaged equipment must be in place, any faulty or damaged equipment must be reported and replaced immediately	Y	N
34	Is all gas control equipment kept in a clean, secure area?	Y	N

The above information is to be used as a guide and cannot cover all potential hazards and risks within specific working environments.