

# Know Your

## Welding & Cutting Equipment

### Regulator



- ✓ Standard ISO 2503
- ✓ Labelled with manufacturer's name
- ✓ Within the recommended service life or under 5 years old.
- ✓ Pressure adjustment screw winds fully in & out, staying fixed to body.
- ✓ Bull nose & outlet is free from oils, greases & PTFE tape.



### Regulator



- ✗ Incorrect for gas type in use
- ✗ Unauthorised modifications
- ✗ Exceeds the maximum outlet pressure
- ✗ Shows damage to:
  - Gauges
  - Pressure adjustment screw
  - Bull nose
  - Regulator Outlet.

### Flashback Arrestors



- ✓ Standard BS EN 730
- ✓ Labelled with manufacturer's name
- ✓ Within the recommended service life or under 5 years old.



### Flashback Arrestors

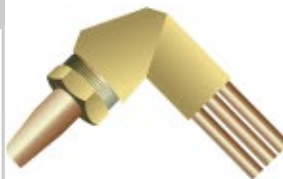


- ✗ Damaged
- ✗ Unauthorised Modifications
- ✗ Unsuitable for gas types /pressure
- ✗ Out of service life.

### Torch



- ✓ Undamaged
- ✓ Valves operate freely



### Torch

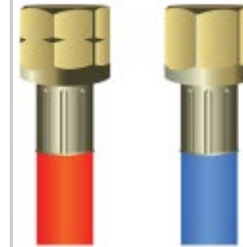


- ✗ Evidence of flashback damage
- ✗ Valves leaking
- ✗ Pipework bent or discoloured
- ✗ Incorrect, worn or damaged nozzle.

### Hoses



- ✓ Marked BS EN559 or ISO 3821
- ✓ Correct hose clips or ferrules.
- ✓ Uncoiled from cylinders when in use.
- ✓ Correct hose for the gas.
- ✓ Clean & uncontaminated from oils & greases.
- ✓ Correct size length for the task.



### Hoses



- ✗ Hose incorrectly secured to fitting.
- ✗ PTFE tape used on connections.
- ✗ Damaged - bulges visible; cuts, burns or abrasions expose the inner liner.
- ✗ Incorrect standard for welding or cutting.

### Cylinder



- ✓ Cylinder label is present & legible.
- ✓ Upright & secured by chain or strap.
- ✓ Cylinder is in test date.
- ✓ Valve outlet is free from PTFE tape, oils & greases.



### Cylinder



- ✗ No label attached
- ✗ Unsecured
- ✗ Out of test date
- ✗ PTFE tape, oils & greases on valve outlet.

### Non return valve / hose



- ✓ One per hose
- ✓ Undamaged



### Non return valve / hose



- ✗ One of both missing
- ✗ Damaged or leaking

### Practices & Procedures



- ✓ Safety Data Sheets are available
- ✓ Pre light-up & shut down procedures are available & adhered to.

### Practices & Procedures



- ✗ Unit let under pressure when not in use:
  - Cylinder valve open
  - Torch valves open
  - Regulator not wound down.