

Acetylene

Specification	G Cylinder
(1)Cylinder Contents m3 (101.325kPa @ 15°C)	6.0 m3
Water Capacity per cylinder	41L
(2)Cylinder Pressure – kPa @ 15°C	1750
Cylinder Colour	Claret
Outlet Connection	Type 20
Dimensions	250mm x 1035mm

- (1) The pressure can vary between 1300 and 2500kPa depending upon the ambient temperature.
- (2) Maximum withdrawal rate for short term use is 10% normal capacity. For special applications (flame, heating, etc referral to equipment suppliers to determine withdrawal rates is recommended)

Cylinder dimensions are approximate – variations may occur due to manufacturing tolerances. Height includes the valve.

Typical Analysis

Product Name	Phosphene
Industrial Acetylene	>98.0%

Description

Is a colourless, highly flammable gas which has a distinct odour.

Typical uses

- Oxy-acetylene welding
- Cutting localised
- Oxy cutting
- Heating
- Flame hardening
- Atomic adsorption spectroscopy (AAS)

Main Hazards

Highly flammable and forms an explosive mixture with air. Leaks may catch fire without apparent source of ignition. High concentration of gas may cause dizziness, drowsiness and/or suffocation.

Storage and handling

- Protect cylinders, particularly the valves, from physical damage whether full or empty
- Always store and transport upright
- Always store in a cool, well ventilated area (max 45°C)

Storage and Handling cont.

- Store away from combustible materials (refer to appropriate regulations for segregation from other dangerous and combustible materials)
- Close valves when not in use and when empty, check regularly for leaks
- If valve is damaged, do not attempt to operate
- If valve does not operate by hand, return the cylinder to the supplier (attach a faulty cylinder tag)

Note: Only regulators, manifolds and ancillary equipment, rated for the appropriate pressure and compatible with the relevant gas, shall be connected to or downstream of these cylinders.

In case of leaks

- No smoking or naked lights within 70mtrs
- Shut off all engines, electrical equipment and other sources of ignition
- Stop leaks if possible, stop leak and remove cylinder to a safe area.
- When cylinder has emptied, return to supplier with identification of problem.

Revised
May 2015