



## Dissolved Acetylene (C<sub>2</sub>H<sub>2</sub>)



- Colourless
- Highly flammable gas of distinct odour
- Hottest flame temperature
- For small and medium sized needs

### Applications:

Welding, cutting, Heating

**Color Coding:** Maroon

**Purity:** > 98,0%

**Hazards :**



**UN NB:** 1001

### LGI technical Capabilities:

- ◆ Experience since 1952
- ◆ Environmental safe processes
- ◆ Main Partners: Afrox, Linde....
- ◆ As per South African standard
- ◆ Fleet of special delivery trucks (4 delivery vehicles)
- ◆ Management of customers' stock and availability at all times
- ◆ Cylinder test workshop (testing , cleaning, quality check ,painting)



Product information					
Cylinder Capacity		Cylinder Pressure @ 20°C (Bar)	Cylinder Height (mm)	Cylinder Diameter (mm)	Connection with Valve
M <sup>3</sup>	CUFT				
5.66	200	21	820	250	5/8" BSPF
6.8	240	21	1140	230	Left Hand Female
8.78	310	21	780	285	

\* Other capacities are available on request

## Chemical Properties

Molecular Weight	Specific Volume @ 20°C & 101.325 Kpa
26.03g/mol	918ml/g

## Hazards

- All cylinders are portable gas containers and must be regarded as pressure vessels at all times
- Highly flammable, and is lighter than air. It burns in air with an intensely hot, luminous and smoky flame
- Dissolved in acetone under pressure in steel cylinders
- Cylinders should never be exposed to excessive temperatures as this may cause rupturing of the cylinders with escape of the gas

## Uses and Features

- Most versatile fuel gas for welding, straightening, bending, forming, hardening, cutting or tempering
- Used as a fuel gas for oxy-acetylene welding, cutting, general localised heating, flame hardening, flame cleaning to remove rust from steel, spalling concrete and other processes requiring a high temperature flame (3,160°C when combusted in oxygen)

## Handling and Storage

- Cylinders should always be transported in the upright position, with the valve uppermost, and be firmly secured
- Do NOT store Acetylene and oxygen cylinders in close proximity to each other
- Storage in the same room or space is prohibited with following classes: Explosives; Oxidising agents; Radioactive agents; Organic peroxides; Spontaneously combustible material
- Signs should be posted in the storage area forbidding smoking, or the use of naked lights
- Use the "first in - first out" inventory system to prevent full cylinders from being stored for excessive periods of time
- Keep away from children
- If a cylinder has been stored horizontally, stand it upright for at least 30 minutes before use to prevent acetone carryover