



Acetylene

Gas code	SG040
Gas composition	98% acetylene
Cylinder identification	Cylinder colour (to AS 4484): Claret body, shoulder and neck



Description

- ▶ A highly flammable gas
- ▶ Slightly lighter than air and will collect at ceiling level
- ▶ Distinctive garlic-like smell, which is recognisable above 2% concentrations in the air
- ▶ May cause dizziness in high concentrations
- ▶ Highly reactive, acetylene is dissolved in acetone and contained within a porous mass inside the cylinder
- ▶ The hottest and most efficient of all fuel gases
- ▶ Low auto-ignition temperature – requires minimal energy to ignite in air or oxygen
- ▶ Can react over time with some metals to form explosive acetylides
- ▶ Acetylene is stored in specially designed cylinders to prevent decomposition
- ▶ Unused gas will not collect in low-lying areas, ducts and drains causing a potential hazard

Used for

- ▶ The only fuel gas that can be used to weld steel
- ▶ Spot-heating applications
 - ▷ Brazing
 - ▷ Texturing
 - ▷ Profile cutting
 - ▷ Branding pallets
 - ▷ Wood-ageing



Cylinder size	Cylinder content (sm ³)	Gauge Pressure (1KPA @ 15°C)	Outlet Connection
G2	7.0	1,550	AS 2473 Type 20
E2	3.2	1,550	AS 2473 Type 20

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