

GAS CYLINDER SAFETY

SAFE HANDLING, TRANSPORT AND STORAGE

Beware of trapped hands when you handle cylinders.



Never turn your back on unsecured cylinders.

Never try to catch a falling cylinder.



Always wear safety gloves and safety shoes when handling cylinders.

Always use a trolley to move gas cylinders.



Handling cylinders correctly.

To lift or lay a cylinder, bend your knees and straighten your back. Get someone to help you handle large cylinders.



Always ensure larger cylinders are located at the back and smaller cylinders in the front for mixed cylinder configurations.



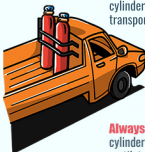
Always ensure gas cylinders in storage/transport pallets are appropriately restrained and positioned safely based on string to prevent unplanned movement.

Always use appropriately rated devices when moving gas cylinders to avoid manual handling where possible.



Beware of leaks Leaking flammable gas may cause an explosion. Leaking inert gas may cause suffocation.

Always restrain cylinders upright when transporting.



Always transport gas cylinders in a well ventilated vehicle **NOT** in a passenger car.



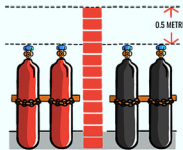
Disconnect all gas equipment when moving cylinders.

Close the valve when not in use, even if the cylinder is empty.



Always separate oxygen and fuel gases, such as acetylene by at least 3m when in storage. **Must comply with AS4332**

Place a half hour rated firewall between fuel and oxygen gases when space is limited.



Always secure cylinders to prevent them from falling, and **Prevent** unauthorised access.



Display the appropriate DG signage when transporting and storing gases. **No smoking** near gas cylinders.



Always store gas cylinders outdoors. If you must store indoors, ensure it is in an adequately ventilated area at all times.



SAFE OPERATION



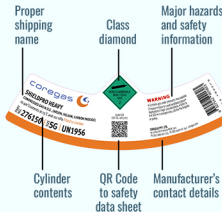
Cylinder valve
Never use a tool to open a hand wheel valve, use your hand instead.

Valve fitting
Ensure gas equipment is rated to the pressure of the gas cylinder/pack with correct outlet connection for the gas type.

Markings
use for identifying the cylinder and its owner.

Cylinder body
Respect them and do not subject them to shock, heat, arc, etc.

Cylinder Identification



Follow gas equipment start up, shut down, and disconnection advice.



Always keep clean. Oil, grease and other particles may cause flash fire when exposed to oxygen.

Never tighten leaking joints under pressure.



Replace if fittings or gauges are damaged.



Use pressure rated hoses with approved specification.

Replace worn hoses.



Only use approved oxygen compatible hoses, pipelines and fittings with oxygen.

Avoid leaks

Gases such as acetylene catch fire easily. Check for leaks with non-caustic and oxygen approved solution.



Always ensure pressure regulators and fittings are in good working order and never tamper with them.



Always install flashback arrestors at both regulator end and torch end when using oxy-fuel gases in cutting/welding/heating applications.



SAFETY FIRST - WORKING SAFE UNDER PRESSURE

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Scan here for SDS datasheets

This poster is intended to provide general safety information and should not be considered as a substitute for referencing relevant standards and legislation.