



## COMPRESSED GAS STORAGE

Date:

TOOLBOX / TAILGATE TALK

Presenter:



Canadian Centre for  
Occupational Health and Safety

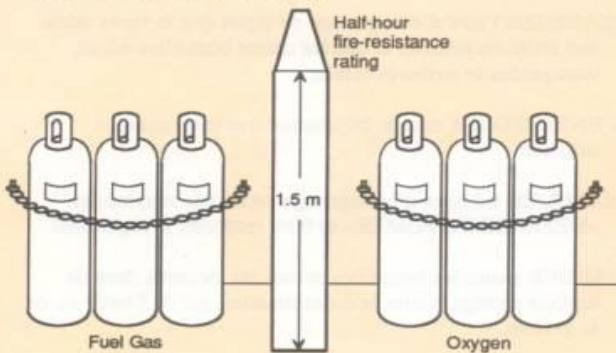
## SAFETY INFOGRAM 106

### LABORATORIES

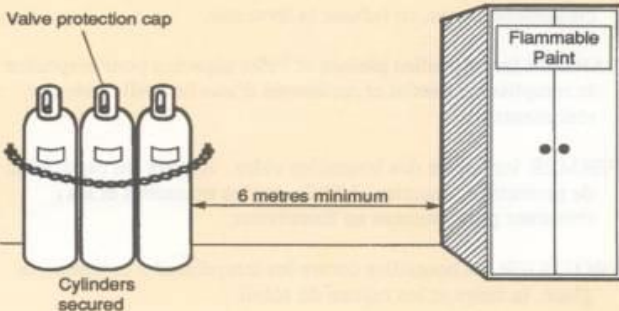
# COMPRESSED GAS CYLINDER STORAGE

STORE cylinders in a dry, well-ventilated area, away from heat or ignition sources. Cylinders are not designed for temperatures above 54°C (130°F). Make sure valve protection caps are in place.

STORE oxidizing gas and flammable gas cylinders at least 6 m (20 ft) apart, or separate by a 1.5 m (5 ft) high wall with a half-hour fire-resistance rating.



KEEP cylinders at least 6 m (20 ft) from flammable materials such as paint, oil or solvents.



LOG each cylinder in and out, recording the serial number stamped on the cylinder and the contents. If the cylinder contents are unknown, clearly label "contents unknown" and notify supplier for disposal. Colour codes are not reliable indicators of cylinder contents.

### Checklist

- DEFINE storage areas according to cylinder content: flammable, oxidizing, and/or inert.
- USE cylinders in rotation as received from the supplier.
- PLAN storage layout so that old stock can be removed first with little handling of other cylinders.
- LIMIT laboratory storage to only those cylinders in use.
- IDENTIFY storage areas. Post "NO SMOKING" signs and enforce rule.
- KEEP all cylinders and fittings where they cannot be contaminated by oil or grease.
- SECURE cylinders, whether full or empty, upright by straps, chains or a stand to prevent them from falling.
- ENSURE that all cylinders are marked clearly. If not, refuse delivery.
- KEEP full and empty cylinders apart to prevent accidental part-filling of an empty cylinder by back-feeding.
- CLOSE valves of empty cylinders. Fit protection caps. Mark cylinders empty or "MT." Return cylinders promptly to the supplier.
- PROTECT cylinders from extremes of weather, such as ice, snow and direct sunlight.
- STORE cylinders away from elevators, stairs, doorways and aisles.

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