



## Compliance requirements for the installation of LPG Facilities under the Hazardous Substances and New Organisms Act 1996

### Separation Distances:

Cylinders must be 2 meters away from combustibles, drains, vents, doors and electrics for facilities between 100kg and 1000kg.

Ignition sources exclusion (including electronics): Hazardous Atmosphere Zone (HAZ) exists to .5m above cylinders and has a .5m radius to 1.5m at base from cylinder centerline (Zone 2) which extends to 3.5m for in situ filling (Zone 1).

Opening windows must be at least 150mm above the top of the cylinders.

A site with 2 or more facilities of 2x45kg cylinders **on separate buildings which are 5m apart** does not need a Location Test Certificate (see EPA Guide – LPG in the Home).

Control Zone cannot cross a boundary

Fire Extinguishers

### Other Requirements:

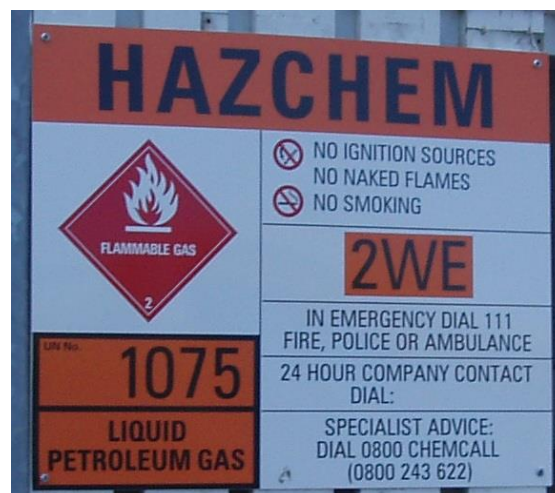
LPG cylinders cannot be in a means of fire egress from the building – either internally or externally.

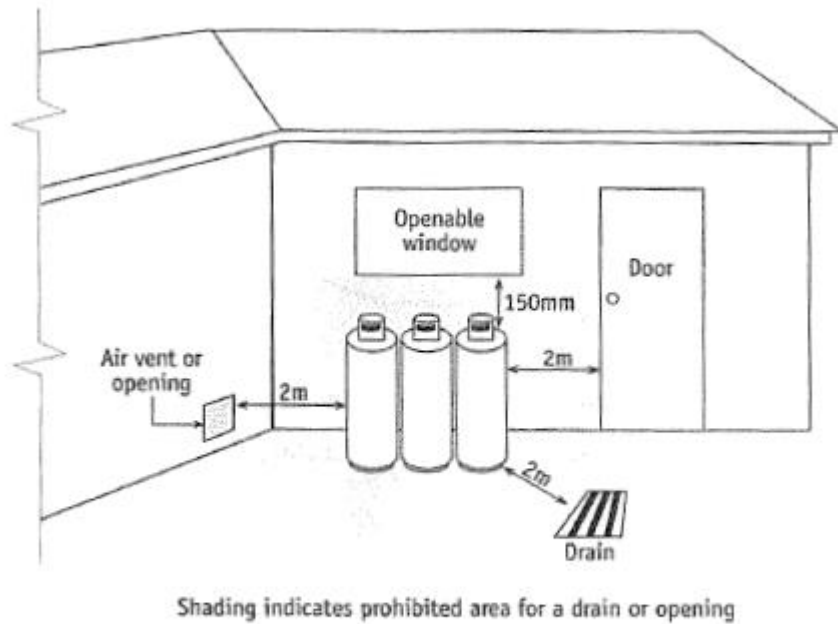
Cylinders must be secured by the use of chains (should be no more than 1/3 from the top of the cylinders) or a cage.

Facilities with 250kg+ of LPG must have compliant signage.

Facilities with 300kg+ of LPG must have an Emergency Response Plan which is documented and tested annually with records kept for a minimum of 2 years.

Facilities with 300kg to 1 tonne of LPG require a 1 hour fire rated wall (FRR) bricks, blocks, or concrete



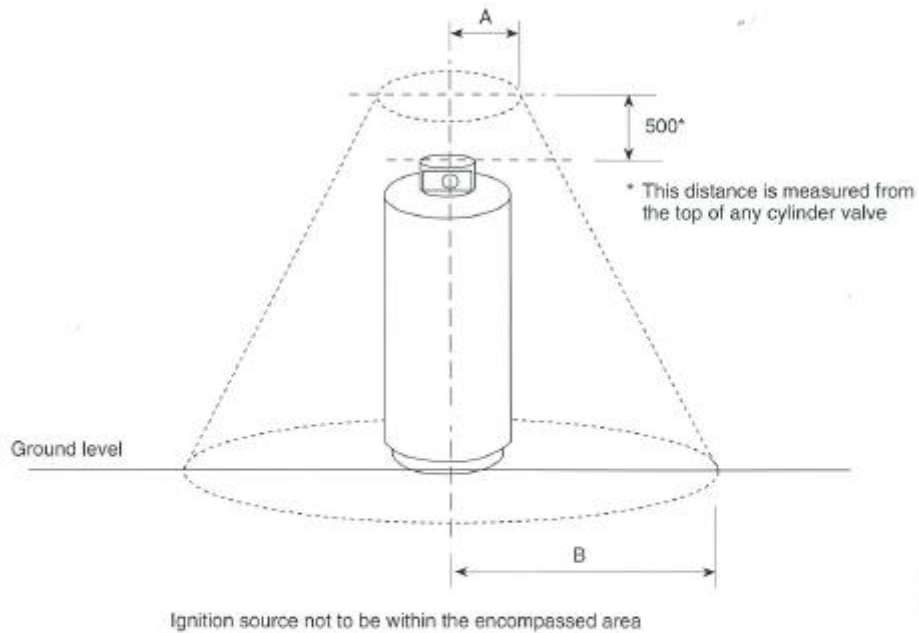


**Figure 2:** Isolation distances around Class 2.1.1A exchange cylinder (greater than 100kg)

NZS 5261:2003

#### G4 Clearances around cylinders

Cylinders should be installed with clearances complying with figure G2 and figure G3 and at least 1 metre from readily ignitable material.



	Exchange cylinder (mm)	<i>In-situ</i> fill cylinder (mm)
A	500	1500
B	1500	3500

**Figure G2 – Minimum clearance to ignition sources**