



LPG Storage and Handling



THESE INSTRUCTIONS MUST BE READ BY THE USER BEFORE THE INSTALLATION OF LPG STORAGE TANKS

- 1 Always read the manufacturer's operating instructions and the emergency actions to be taken during installation and operation of LPG storage tanks.
- 2 LPG is a colourless liquid, which readily evaporates into a gas. It has no smell, although it will normally have an odour added to help to detect leaks.
- 3 Only suitably trained and competent personnel should use this equipment.
- 4 **DO NOT** store LPG below ground level or within 3 metres of drains, cellars or excavations etc. Both butane and propane are heavier than air and leaking gas will collect at the lowest levels.
- 5 **ENSURE** that LPG storage tanks are located in a safe place in an open air compound and the relevant safety devices to protect tanks, pipework etc are attached.
- 6 Keep security fencing in good condition and keep gate(s) locked. If there is no fencing, ensure that tank valve covers are locked.
- 7 **ENSURE** that the storage tanks are sited away from any source of ignition and combustible materials.
- 8 **CHECK** that all person and animals are clear of the work area.
- 9 **DO NOT** smoke or use naked flames in the vicinity of the installation.
- 10 Keep vehicles well away from the installation.
- 11 **ENSURE** that all above ground pipe work is correctly supported and protected against accidental damage.
- 12 **ENSURE** that the routing of all under ground pipe work has been clearly marked on site plans.
- 13 There should be easy access to the storage tanks at all times.
- 14 Faulty equipment should be taken out of service immediately

15 **DO NOT** paint a tank a different colour from the original, as this may increase the amount of heat it absorbs from the sun.

16 **ENSURE** the tanker parking area is clear on a delivery day.

17 Keep all non-essential personnel away from the area during transfer between the tanker and the storage tank.

18 **DO NOT** attempt repairs. Contact the Hire Company.

19 **In the event of a leak from a storage tank that cannot be stopped:**

- The area should be barricaded off to prevent access.
- The tank must be marked faulty and a notice(s) should be displayed prohibiting smoking or any other sources of ignition.
- **DO NOT** attempt to dismantle or repair the defective storage tank.
- Contact the supplier or Hire Company immediately.

20 **Procedure in the event of a fire:**

- Call the fire brigade immediately.
- Evacuate all persons not concerned with the fire fighting immediately.
- If it is safe, attempt to turn off any valve that will extinguish the flame.
- If the flames cannot be extinguished leave the fire fighting to the fire brigade.
- If the flames come in contact with other tanks and neither the flames nor the tank can be moved, everybody must evacuate the area immediately.
- **DO NOT** use tanks that have been exposed to fire. Return them to the supplier or Hire Company.