

Compliance guidelines for LPG tank installations



The LPG tank and associated equipment supplied to you by us is installed in a manner which meets relevant standards and legislative requirements. To ensure that these installations remain compliant and continue to operate in a safe manner, there are a number of things you need to be aware of. Note that this is a guide only with limited information for illustrative purposes. It is your responsibility stay informed of, and comply with, relevant laws in your state or territory.



Location

Your LPG tank and associated equipment must be located at a safe distance from buildings and public spaces. Access to and from the tank site, including the designated tanker unloading area, must always be kept clear and unobstructed.

Prior to undertaking activities near the LPG installation (such as construction or operation of mobile plant), you should contact us so that we can help you ensure that the critical separation distances are maintained and that the installation remains safe and compliant.

Any relocation of the LPG tanks, even on a temporary basis, must be done only by your LPG supplier.

Vehicle impact protection

The type of vehicle impact protection your LPG tank requires (such as bollards, Armco barriers or special kerbing) depends on the size and number of tanks you have, as well as the traffic conditions near the tank. You should be aware that changes you make to the surrounding area may result in a different type of impact protection being required to meet the minimum requirements.

Hazardous zones and ignition sources

A hazardous zone is an area surrounding the LPG tank and equipment where a flammable atmosphere could exist. Any fixed electrical equipment that needs to be installed inside this hazardous zone must be approved under relevant standards. Ignition sources such as cigarettes, lighters and mobile phones should never be allowed near the LPG tank.

Consumer piping installation

Consumer piping is the piping downstream of the first stage pressure regulator. This piping must be installed and maintained only by a certified gas fitter. This is a requirement to meet relevant standards and state legislation.

The gas fitter is required by law to provide you with a compliance certificate after each job. You should be mindful of this requirement and always ask for a copy. You will also need to forward a copy of the compliance certificate to us at connectme@originenergy.com.au so we know your installation is safe for the continued supply of gas.

Some states may require consumer piping above a certain capacity, diameter or length to be approved as a complex installation by the state authority prior to initiating gas supply. You should always consult us prior to making any modifications to the piping system.

Appliance installation

Gas appliances must be installed in accordance with relevant standards and the manufacturer's instructions. Commercial and industrial gas appliances (or type B appliances) are considered complex installations by state authorities and require specific approvals prior to installation, commissioning and/or operation. We require a copy of compliance certificates for each of your complex installations (or type B appliances) before we are able to supply you with gas.

Regulator information

A regulator is a device that 'regulates' the pressure of gas passing through it.

The regulated pressure within a gas supply system (including consumer piping) must be controlled within a certain range depending on the location of the system. Generally, commercial and industrial gas supply systems will have first and second stage regulators which control the pressure whilst providing sufficient gas flow. The ongoing maintenance of these regulators is generally the responsibility of the customer.

The demand and configuration of your installation and appliances will determine the type of regulator and the set pressure. Each regulator is required to include 'over-pressure' protection to protect the equipment downstream of the regulator from too high a pressure.

Regulators must be installed and maintained by competent personnel. You should refer to the information provided by the manufacturer to be familiar with requirements to maintain your regulators in good working order.

Always utilise a certified gas fitter who is familiar with the type of regulator installed in your installation when any maintenance or replacement is required. We can provide advice in relation to regulator servicing or maintenance if required.

For complex gas installations, replacement of a regulator with a different type will generally require approval from the regulatory authority. It is recommended that you consult us in relation to such replacements.

LPG pumps

The LPG pumps supplied to you typically belongs to us. If you suspect the pump system is faulty or defected, please get in touch with us in the first instance. The pump system should only be operated by trained personnel.



Obligations for the Person Conducting a Business or Undertaking (PCBU)

As a Person Conducting a Business or Undertaking (PCBU), your organisation is responsible for ensuring that relevant requirements under legislation, particularly your state's Work Health and Safety laws, are met when using LPG. In order to assist you with meeting your obligations, we have prepared some guidelines below:

- Ensure that relevant signage and placarding (e.g. HAZCHEM signs) are installed and maintained
- Keep the area surrounding the LPG tank and associated equipment clean, unobstructed and free of flammable materials
- If you have large amounts of LPG on site (typically more than 5000L), you may need to notify your relevant state authority. Some states (such as South Australia), require a licence to store dangerous goods on site
- The LPG stored on site should be included in your hazardous chemicals register, manifest and emergency response plans
- Download a copy of our Safety Data Sheet (SDS) at originenergy.com.au/lpgsafetyguides and ensure that it is made accessible to your workers and emergency services where required
- Ensure that adequate fire protection equipment and systems are available and maintained in accordance with regulatory requirements. Your fire protection systems may require approval and testing by the local fire authority
- Ensure that your emergency response plan includes provisions for dealing with potential incidents which may arise from storing and using LPG. Our 24-hour emergency hotline is 1800 808 526
- A Hazardous Areas Electrical Equipment Register must be kept and made available to the authorities and/or service personnel when requested
- If an incident relating to LPG (such as leaks) occur on your site, you may have an obligation to report the incident to the state authorities. For certain incidents, you may need to preserve the incident site until it is released by the state authority
- Where your staff is required to operate any LPG installation, the work must only be undertaken by persons who are appropriately qualified, trained and competent (and appropriately licensed where required). You are responsible for ensuring the competency of your staff with respect to the LPG equipment; however, we may be consulted for guidance in developing your training program
- Origin is responsible for maintenance of the LPG tank and associated equipment. No work, including any modifications, should be undertaken on any of these components. If you suspect any faults or defects, please report them immediately to us.

How to contact us

Customer service: **133 LPG (133 574)**

Emergencies or leaking gas: **1800 808 526**

Telephone interpreter service: **13 14 50**

Postal address: **GPO Box 1199, Adelaide SA 5001**

 **133 LPG**

 **originenergy.com.au/lpg**

DISCLAIMER: This guide contains limited general information. It is provided for illustrative purposes only and is not a complete or definitive guide for the safe and proper handling of LPG gas and equipment. You should not use or rely on this guide without the assistance of a qualified and experienced LPG technician for advice and support on the safe and proper handling, installation, maintenance and repair of any LPG gas and equipment. Any use of this guide and your handling of LPG gas and equipment is at your sole risk. To the maximum extent permitted by law, Origin does not accept any responsibility or liability for any damages, loss or harm whatsoever (whether direct or indirect) in connection with your use of this guide or your handling of LPG gas and equipment.