Liquid Gas Ireland

Cylinder Installation Safety Guide

August 2026

ABOUT LPG & BIOLPG

LPG & RENEWABLE LIQUID GAS (BIOLPG)

Liquid Gas (LPG and BioLPG) is an efficient versatile low emission fuel used for central heating, spot heating (indoors and outdoors), water heating, cooking and clothes drying at domestic, commercial and industrial premises and can be supplied in either cylinders or in bulk tanks and is commonly used where connection to the natural gas network is not available

Renewable Liquid Gas (BioLPG) is a form of LPG intended for use in standard gas appliances. It is chemically equivalent to LPG and is supplied through existing LPG infrastructure, enabling lower lifecycle greenhouse gas emissions while maintaining appliance compatibility and operational performance.

CYLINDER INSTALLATION SAFETY GUIDE

This Publication is intended to provide safety advice and guidance on Liquid Gas (LPG and BioLPG) cylinder storage, connecting hoses and connections, pressure regulators, and maintenance of your installation.

Please ensure that you take time to read this important information and that you retain it for easy access when required.

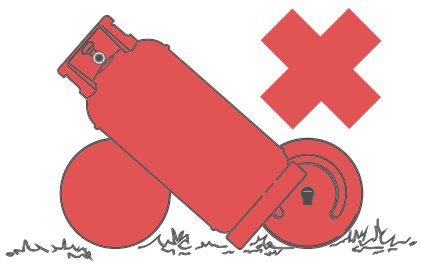
Your safety is our top priority, and the information provided is designed to help you stay safe while using gas in your home or business.

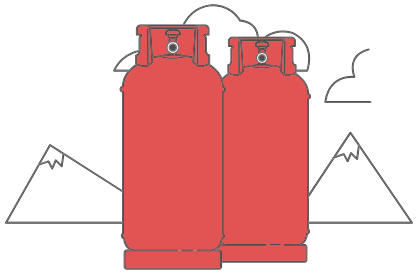
1 Cylinder Storage & Positioning

Storing and positioning your gas cylinder is an important part of keeping your home safe and making sure everything works as it should. Cylinders should only be connected or stored in a well-ventilated area. By following our easy storage and positioning guidelines, you can reduce risks and handle your gas cylinder safely and with confidence.

Propane cylinder(s) shall be positioned outdoors.

- All cylinder(s) shall be stored on a flat, stable surface.
- Always store and use cylinder(s) upright, with the valve at the top.
- Ensure the storage area is well-ventilated and away from heat and ignition sources.
- Keep the valve protection cap fitted when cylinder(s) are not connected.
- Protect cylinder(s) from damage, impact, or dropping.

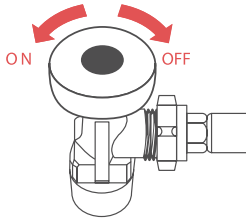




By following this guide, you'll be able to store and position your gas cylinders safely while reducing the risk of leaks, damage, or accidents. Taking extra care goes a long way in keeping everything running smoothly. Always handle cylinders with care and refer to manufacturer instructions to maintain a safe and reliable gas supply.

2 Before Disconnecting Cylinders

Before disconnecting your gas cylinder, make sure all valves are fully closed, including self–closing. Follow appliances are turned off. There are two types of cylinders: hand wheel and self- closing – follow the right steps for your specific type.



HAND-WHEEL OPERATED CYLINDER VALVES:

- Before disconnecting:

1. Ensure the valves on all cylinder(s) to be replaced are fully closed.
2. Where all cylinders have run to empty ensure all appliances are turned OFF
3. On a multiple cylinder installation, where a change-over (C/O) device is fitted: Ensure it is set or pointing to the ('service') cylinder side, in accordance with the manufacturer's instructions, before disconnecting or replacing any cylinder(s).

Note: The 'service' side refers to the cylinder(s) currently supplying gas to the installation.

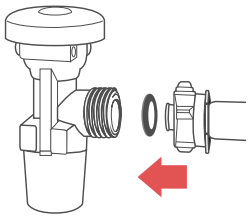
SELF-CLOSING CYLINDER VALVE:

Clip on Type Regulator used with (e.g. patio heaters, cabinet heaters, gas cookers & hobs)

- Ensure that the appliance is turned off, and regulator valve is switched OFF before disconnecting from the cylinder

These guidelines allow you to safely disconnect your gas cylinder. Taking the time to carry out these steps carefully will help prevent gas leaks, protect equipment, and keep you safe whilst disconnecting your gas cylinder.

3 Connecting Cylinders



Before connecting the regulator, it's a good idea to do a quick safety check to make sure your cylinder is in good working condition. Taking a moment to check everything can help prevent issues and give you peace of mind.

There are two main types of cylinders: hand wheel and self-closing, so be sure to follow the guide that matches your cylinder type for the safest results.

CLIP ON TYPE REGULATOR:

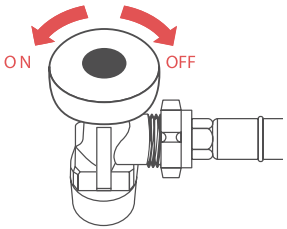
Before connecting regulator check that the cylinder valve, seals, hoses, regulator and associated appliance(s) are in safe working condition

HAND WHEEL OPERATED CYLINDER VALVES:

- Ensure hoses, regulators, and associated equipment are in good condition.
- Check that all sealing washers are in good condition.
- On a multiple cylinder installation, where a change-over (C/O) device is fitted or where all cylinders have run to empty ensure all appliances are turned OFF before restoring supply

Following these guidelines and ensuring all parts are in safe working condition will help provide a safe, secure connection and reliable operation of your gas system.

4 Before Turning on Supply



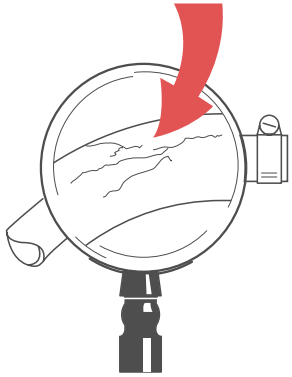
After you have safely connected the gas cylinder and restored the gas supply, it is important to carry out a leak check to ensure all connections are secure and operating safely. Follow our guidelines on how to safely check for gas leaks and what you should to if a leak is detected.

- After connecting and restoring supply, check all joints using an approved leak detection fluid or spray, if bubbles appear:
- Turn OFF all cylinder valves immediately
- Contact your Gas Supplier or a Registered Gas Installer
  - ROI users contact a Registered Gas Installer (RGI)
  - NI users contact a Gas Safe Engineer

Following these guidelines ensures the safety of both you and your property. Please do not attempt to solve the leak yourself and contact the relevant person listed above if you spot a leak.

5 Hoses & Regulator – Inspection and Replacement

Before connecting or replacing your gas cylinder, it's important to carry out a few simple checks and routine maintenance to make sure everything is safe and in good working order. Taking a little time to do this can help prevent problems and keep your setup running smoothly. Follow the guidelines below to confidently inspect and replace your gas cylinder the right way.



BEFORE CONNECTING OR REPLACING CYLINDERS:

- Check the condition of:
  - Pressure regulator & assemblies.
  - Hoses and manifolds.
  - Sealing washers.
- If any component shows evidence of wear, cracking, damage, or deterioration do not connect cylinders
- Contact your Gas Supplier or an RGI/Gas Safe registered engineer.

ONGOING MAINTENANCE:

- Inspect hoses and manifolds regularly.
- Replace hoses in line with manufacturer guidance (typically every 5 years).
- Replace regulators:
  - As specified by the manufacturer, or
  - After 10 years in service, whichever occurs first.
- IMPORTANT ensure the regulator vent is always positioned facing downwards.
- If any component shows wear, cracking, damage, or deterioration, do not use the installation
- Contact your Gas Supplier or an RGI/Gas Safe registered engineer.
- It is recommended that installations and appliances are inspected annually by an RGI/Gas Safe registered engineer.

By following these guidelines and maintenance practices, you can ensure your safety and the safety of your property when inspecting and replacing your gas cylinder.

6 Regulator Upgrade Recommendation (propane cylinder installations)

Gas installations and equipment should meet current safety standards and include enhanced built-in protections. Following our guide below ensures your system remains compliant and properly protected keeping you and your property safe.

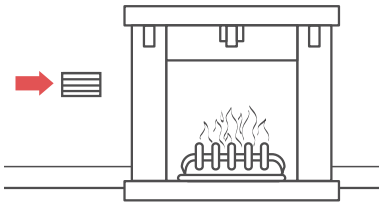
- The gas installation, regulators and assemblies should conform to latest standards, (e.g. IS 813) and industry best practice.
- Where a single-stage pressure regulator is currently installed, consult with an RGI/Gas Safe registered engineer, as it is strongly recommended to be replaced with a model incorporating both, over-pressure and excess flow protection.

Note: Upgrading provides protection against damage to the downstream installation pipework and appliances in the event of regulator malfunction

By following this advice helps ensure your gas installation remains safe, compliant, and protected. Regularly reviewing your system in line with current standards and seeking professional advice where needed will support safe and reliable operation.

7 Cylinder Installation Safety & Compliance

If you are planning to have your installation upgraded, please follow our guidelines below to ensure installation safety and compliance with current standards for your gas cylinder installation.



To upgrade your installation and ensure it conforms to current national standards:

Contact an RGI/Gas Safe registered engineer to have a full safety inspection carried out on the:

- Installation pipework
- Pressure regulation equipment
- Appliances

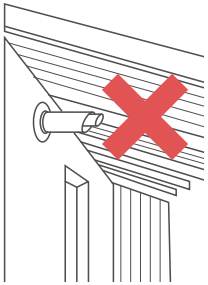
It is recommended that installation pipework, regulators and appliances are inspected and certified for continuous safe use by an RGI/Gas Safe registered engineer on an annual basis.

OUTDOOR APPLIANCES

For safety reasons appliances designed for outdoor use e.g. BBQs Patio Heaters shall never be used indoors

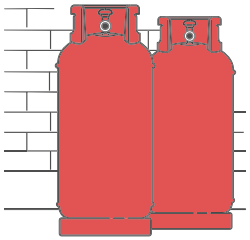
FLUE TERMINALS

Flue terminals shall not be restricted in any way by e.g. erecting canopies or other enclosure structures that impact on flue performance and safety.



By arranging inspections and necessary upgrades by a registered gas installer ensures your installation remains safe and fit for continued use.

8 If You Smell Gas



If you smell gas, it's important to stay calm and act quickly to keep everyone safe. Follow our guide below for simple steps you can take to protect yourself, others, and your property.

- Turn off the gas supply at the cylinder(s)
- If Butane cylinder(s) are indoors, remove to well-ventilated outdoor area if safe to do so
- Note: Only Butane (yellow & blue) cylinders are permitted indoors. Propane cylinders must always be stored and or connected outdoors
- Extinguish all naked flames.
- Do not vape or smoke.
- Do not turn electrical switches or appliances on or off (including lights, phones, doorbells).
- Ventilate and evacuate the area.
- Do not use a phone in the area
- Contact your gas supplier or an RGI/Gas Safe registered engineer from a safe place.
- In case of immediate danger, contact emergency services on 999 / 112.

If you smell gas taking prompt and correct action can help to reduce the risk of injury or damage to property.

9 Important Note

All inspection, maintenance, and repair work must be carried out by an RGI/Gas Safe registered engineer.

10 RGI and Gas Safe – Jurisdictional Clarification

When we mention a Registered Gas Installer (RGI) or a Gas Safe registered engineer in this guide, we're simply referring to a qualified gas professional. These terms are used broadly and apply across different regions, so you can feel confident you're working with someone properly trained and competent.

Republic of Ireland (ROI):

These are referred to as **Registered Gas Installers (RGI)**.

Northern Ireland (NI):

These are referred to as **Gas Safe registered engineers**.

Details of qualified installers can be found below:

Republic of Ireland (ROI):

Website:
www.rgi.ie

Phone:
+353 (0)1 499 7998

Northern Ireland (NI):

Website:
www.gassaferegister.co.uk

Phone:
0800 408 5500

Liquid Gas Ireland

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