



# 47Kg Propane Cylinder

## Product Overview

The 47Kg Propane Flogas cylinder is a high capacity LPG (liquefied petroleum gas) vapour phase cylinder designed for commercial, industrial, agricultural, and large scale domestic applications. As the largest standard propane cylinder widely used in the UK, it is ideal for heating systems, catering equipment, industrial burners, space heaters, agricultural brooders, drying equipment, and bulk demand appliances. Robust, weather resistant and reliable, it provides long runtimes and consistent performance in all seasons.

## Technical Specifications

- **Product Name:** 47Kg Propane Cylinder (Flogas)
- **Gas Type:** Propane (C3H8)
- **Capacity:** 47 kilograms of liquefied propane (vapour withdrawal)
- **UN Number:** UN 1978 – Propane
- **Hazard Class:** Class 2.1 – Flammable Gas
- **Cylinder Material:** High grade steel with corrosion resistant, powder coated finish
- **Valve Type:** POL Vapour Withdrawal Valve (screw on)
- **Orientation:** Upright use only
- **Dimensions:** Approx. height: 1290–1310 mm; Diameter: 375–390 mm
- **Tare (Empty) Weight:** Typically 28–32 kg (stamped on collar)
- **Total Filled Weight:** Approx. 75–79 kg
- **Colour:** Red (UK propane standard)
- **Pressure at 15°C:** Approx. 7–8 bar
- **Connection:** POL screw on propane regulator required
- **Certification:** EN 1442 / ISO 22991 / BS 5045 compliant



## Key Features

- **Maximum Runtime:** Designed for long duration heating and industrial use.
- **High Output:** Reliable vapour production for heavy duty burners and heating systems.
- **Weather Resistant:** Built for year round external installation.
- **Safety Compliant:** Includes overpressure protection and meets stringent testing standards.
- **Cost Effective:** Larger capacity reduces the frequency of cylinder changes.
- **Sustainable:** Fully refillable and exchangeable through authorised Flogas suppliers.

## Applications

- **Heating:** Large space heaters, warehouse heaters, marquees, construction heating.
- **Catering:** Mobile catering units, outdoor burners, griddles and high output appliances.
- **Industrial:** Workshops, factories, asphalt heaters, roofing equipment (vapour systems).
- **Agriculture:** Poultry brooders, grain dryers, greenhouse heating systems.
- **Domestic (Large Systems):** Boilers, home heating (multi bottle installations).
- **Emergency Backup:** Standby heating and fuel supply in power outages.

## Handling and Storage

- Store cylinders upright in a well-ventilated outdoor area.
- Keep away from heat sources, naked flames, sparks, or direct sunlight.
- Never store in homes, basements, sheds without ventilation, or confined areas.
- Always close the valve when not in use.
- Do not attempt to refill cylinders yourself use authorised Flogas suppliers.



- Check for leaks using soapy water never use a flame.
- Ensure cylinders are secured upright during transport.

## Safety Precautions

- Ensure appliances use a POL propane regulator rated for the appliance load.
- Do not use if the cylinder is damaged, dented, corroded, or leaking.
- Keep away from children, unauthorised persons, and ignition sources.
- If a leak occurs, move the cylinder outdoors, isolate the area, and call emergency services.
- Always operate the cylinder upright never horizontally.
- Avoid exposing the cylinder to extreme heat.

## Regulatory Compliance

This cylinder complies with:

- **UN 1978 – Propane (Class 2.1 Flammable Gas)**
- **EN 1442** – LPG cylinder testing & construction
- **ISO 22991** – LPG vessel safety standards
- **BS 5045** – Cylinder strength and traceability

All cylinders undergo rigorous batch inspection, pressure testing, stamping, and quality control.

## Environmental Impact

Propane LPG is a cleaner, lower emission fuel compared to many fossil fuels. Flogas' cylinder exchange and refurbishment programme promotes sustainable reuse of steel cylinders and reduces waste. Cylinders are fully recyclable at end of life.

## Product Life Cycle and Maintenance

- **Expected Lifespan:** 10–15 years depending on conditions and inspection schedule.
- **Inspection Frequency:** Every 5 years by certified LPG inspectors.



- **Maintenance:** Keep cylinder upright, clean, and protected from impacts.
- **End of Life:** Return cylinders to an authorised Flogas distributor for safe recycling.

## Instructions for Use

1. Inspect cylinder, valve, and regulator before connecting.
2. Ensure appliance is propane compatible and rated for vapour phase supply.
3. Attach POL regulator securely and check hose integrity.
4. Open valve slowly and perform a leak test.
5. Follow appliance manufacturer's operating instructions.
6. After use, close valve fully and disconnect only once cool.

## Ordering and Exchange Information

- Available from authorised Flogas distributors and retailers.
- Exchange service: return empty cylinders for refilled replacements.
- Delivery and installation options may vary by region.
- Commercial and bulk supply available from Fix and Weld.

## Frequently Asked Questions (FAQs)

- **Q: Can a 47Kg propane cylinder be used indoors?**

**A:** Only with appliances certified for indoor propane use, with adequate ventilation.

- **Q: How long does a 47Kg cylinder last?**

**A:** Typically 40–80 hours depending on appliance consumption.

- **Q: What regulator is required?**

**A:** A standard POL screw on propane regulator.

- **Q: Can I transport a 47Kg cylinder in a car?**

**A:** Not recommended due to weight and cylinder size; if unavoidable, ensure it is upright, secured, and ventilated.



## Contact Information

For product support, technical advice, or ordering information, contact Fix and Weld your authorised Flogas agent Tel. 01453 756393.

## Legal Disclaimer

This datasheet is provided for informational use only. Always comply with local and national LPG regulations. Follow all appliance manufacturer instructions and consult a qualified technician when needed.