



# 18Kg Propane FLT Cylinder

## Product Overview

The 18Kg Propane Flogas FLT (Forklift Truck) cylinder is a high capacity industrial LPG (liquefied petroleum gas) solution engineered specifically for forklift trucks and equipment requiring liquid off take. Featuring a standard FLT liquid withdrawal valve, this cylinder provides reliable liquid phase propane delivery for sustained engine performance in demanding commercial environments. It is widely used in warehouses, logistics centres, construction sites, and industrial operations where long operating hours and consistent power are essential.

## Technical Specifications

- **Product Name:** 18Kg Propane FLT Cylinder (Flogas)
- **Gas Type:** Propane (C<sub>3</sub>H<sub>8</sub>)
- **Capacity:** 18 kilograms of liquefied propane (liquid withdrawal)
- **UN Number:** UN 1978
- **Hazard Class:** Class 2.1 – Flammable Gas
- **Cylinder Material:** High grade steel with corrosion resistant, powder coated finish
- **Valve Type:** FLT Liquid Withdrawal Valve (side spindle / service valve)
- **Orientation:** Horizontal operation only (must be positioned correctly in the FLT cradle)
- **Dimensions:** Approx. height: 71–75 cm; Diameter: 33–35 cm
- **Tare (Empty) Weight:** Stamped on cylinder collar (varies by batch)
- **Total Filled Weight:** Approx. 33–35 kg
- **Colour:** Red (UK standard for propane cylinders)
- **Pressure at 15°C:** Approx. 7–8 bar
- **Connection:** FLT liquid withdrawal connector (not POL)
- **Certification:** EN 1442 / ISO 22991 / BS 5045 compliant





## Key Features

- **High Capacity Fuel Source:** Provides significantly longer forklift run times compared to 11Kg FLT cylinders.
- **Engine Ready Delivery:** Supplies liquid phase propane required for FLT internal combustion engines.
- **Heavy Duty Construction:** Built to withstand continuous industrial operation in demanding environments.
- **Enhanced Safety:** Includes excess flow protection, overpressure safeguards, and robust valve engineering.
- **Consistent Output:** Delivers stable pressure and fuel flow even under high load or extended operation.
- **Eco Conscious:** Fully refillable and exchangeable via authorised Flogas suppliers.

## Applications

- **Forklift Trucks (LPG models)** – primary usage.
- **Warehouse & Logistics Operations** requiring sustained fuel supply.
- **Material Handling Vehicles** using LPG engine systems.
- **Construction & Outdoor Industrial Equipment** requiring liquid LPG feed.
- **Large Scale Industrial Operations** with long operating shifts.

## Handling and Storage

- Store cylinders upright when not in use in cool, ventilated locations away from direct heat.
- Use horizontally only when mounted in the forklift cradle with valve in the correct upward orientation.
- Do not store in living areas or confined indoor spaces.
- Close the valve securely when not in use.
- Never attempt to refill the cylinder yourself use authorised Flogas industrial services.
- Check for leaks using a soapy water solution; never use a naked flame.
- Keep cylinders protected from impact, sparks, and heat sources.





## Safety Precautions

- Use only with forklift systems compatible with liquid off take LPG cylinders.
- Ensure correct horizontal orientation: valve must remain uppermost during use.
- Do not use if the cylinder shows signs of corrosion, dents, valve damage, or leakage.
- Replace cylinders only by trained personnel.
- Keep away from ignition sources and unauthorised users.
- If a leak is detected, isolate the cylinder immediately and contact emergency services.

## Regulatory Compliance

This cylinder complies with:

- **UN 1978 Propane – Class 2.1 Flammable Gas** regulations
- **EN 1442** – LPG cylinder manufacturing and testing
- **ISO 22991** – LPG pressure vessel safety compliance
- **BS 5045** – Structural integrity and traceability requirements

Each cylinder undergoes pressure testing, batch identification stamping, and strict QC procedures.

## Environmental Impact

Propane LPG offers lower emissions than many industrial fuels, supporting cleaner forklift operation. Refillable steel cylinders reduce waste, and Flogas maintains an environmentally responsible refurbishment and recycling process.

## Product Life Cycle and Maintenance

- **Expected Lifespan:** 10–15 years depending on handling and regulatory inspections.
- **Inspection Interval:** Every 5 years by certified technicians.
- **Maintenance:** Keep valve and exterior clean; avoid dropping or striking the cylinder.





- **End of Life:** Return to authorised Flogas suppliers for safe disposal or recycling.

## Instructions for Use

1. Inspect valve, O ring, and cylinder body before installation.
2. Park forklift safely, switch off engine, and apply brake.
3. Position cylinder horizontally in FLT cradle with valve uppermost.
4. Attach the liquid withdrawal hose securely.
5. Open valve slowly and check for leaks.
6. Operate forklift as recommended by the manufacturer.
7. After use, close valve fully and disconnect once cool.

## Ordering and Exchange Information

- Available from authorised Flogas industrial distributors.
- Exchange service provided return empty cylinders for full replacements.
- Delivery and collection options may vary by location.
- Contact Flogas customer services for fleet or multi cylinder contracts.

## Frequently Asked Questions (FAQs)

- **Q: Can an 18Kg FLT cylinder be used with standard propane appliances?**

**A:** No. It delivers liquid phase propane for engines only and must not be used on domestic or standard LPG appliances.

- **Q: How long does an 18Kg FLT cylinder last?**

**A:** Typically 10–15 hours depending on forklift engine type and operational load.

- **Q: Can I store FLT cylinders indoors?**

**A:** Only in compliant industrial storage areas with adequate ventilation—not in homes or confined spaces.

- **Q: Does it require a regulator?**

**A:** No regulator is used FLT engines connect directly to the liquid withdrawal fitting.





## Contact Information

For technical advice, safety support, or ordering enquiries, please contact Fix and Weld your authorised Flogas agent Tel. 01453 756393.

## Legal Disclaimer

This datasheet is provided for informational and safety guidance purposes only. Users must comply with all local and national LPG regulations. Always follow forklift manufacturer recommendations and consult qualified technicians when necessary.

