

# LPG CYLINDER

## INSTALLATION MANUAL

### Safe Installation Guidelines for All Cylinder Sizes

**Baraka Gas Ltd**  
Clean & Reliable Cooking Partner  
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**⚠ SAFETY FIRST:** LPG is highly flammable. Improper installation can lead to gas leaks, fires, or explosions. If you are unsure about any step, contact a certified professional installer.

## 1. Pre-Installation Safety Checks

Before beginning installation, ensure the following conditions are met:

- ☐ Installation area is well-ventilated
- ☐ No open flames or ignition sources nearby
- ☐ Cylinder valve is fully closed
- ☐ All equipment is clean and free from oil/grease
- ☐ Check cylinder for visible damage or dents
- ☐ Ensure you have the correct regulator for your cylinder size
- ☐ Keep fire extinguisher accessible

## 2. Required Equipment

Component	Description	Specification
High-Pressure Regulator	Reduces cylinder pressure to usable levels	Certified for LPG use
LPG Hose	Connects regulator to appliance	1.5m minimum, approved type
Hose Clips	Secures hose connections	Stainless steel (2 required)
Leak Detection Solution	Soapy water or commercial detector	Non-corrosive
Spanner	For regulator installation	Appropriate size

### 3. Step-by-Step Installation Instructions

#### For 6kg, 13kg, and 50kg Cylinders

- 1 Position the Cylinder**  
Place cylinder on a stable, level surface away from heat sources. Ensure at least 1 meter clearance from stoves, heaters, or electrical appliances. For 50kg cylinders, use outdoor installation with proper shelter.
- 2 Remove Protective Cap**  
Unscrew the protective cap from the cylinder valve. Inspect the valve outlet for damage or debris. Do not use if damaged.
- 3 Install the Regulator**  
Attach the regulator to the cylinder valve. For clip-on type: push firmly until you hear a click. For screw-on type: hand-tighten clockwise, then use spanner to secure (do not over-tighten).
- 4 Connect the Hose**  
Push hose firmly onto regulator outlet and appliance inlet. Secure both ends with hose clips. Ensure hose is not kinked, twisted, or under tension.
- 5 Perform Leak Test**  
Apply leak detection solution to all connections. Slowly open cylinder valve 1/4 turn. Look for bubbles indicating leaks. If bubbles appear, immediately close valve, tighten connection, and retest.
- 6 Final Checks**  
Ensure all connections are tight and leak-free. Check hose routing - no contact with hot surfaces. Verify regulator is correctly oriented. Keep cylinder valve accessible for emergencies.
- 7 System Activation**  
Fully open the cylinder valve. Test appliance ignition. Check for proper flame color (blue). If flame is yellow/orange or irregular, close valve and check for blockages.

### 4. Cylinder Size Specific Guidelines

Size	Typical Use	Installation Notes
6kg	Small families, camping	Indoor installation OK. Use cylinder stand for stability.
13kg	Medium-large families	Indoor/outdoor. Ensure proper ventilation in kitchen.
50kg	Commercial, industrial	Outdoor installation required. Professional installation recommended. May require bulk storage permit.

### 5. Common Installation Mistakes to Avoid

- ✗ Installing cylinder near heat sources or direct sunlight
- ✗ Over-tightening connections (causes damage to seals)
- ✗ Using damaged or expired hoses
- ✗ Skipping leak testing
- ✗ Installing in poorly ventilated areas
- ✗ Using inappropriate tools (causing spark hazards)
- ✗ Mixing LPG and natural gas regulators

## 6. Kenyan Building Code Compliance

Your LPG installation must comply with:

- **KS 1939:** Code of practice for LPG bulk installations
- **EPRA Guidelines:** Energy and Petroleum Regulatory Authority requirements
- **County Regulations:** Local authority building codes

For commercial installations over 50kg total capacity, professional certification is mandatory.

## 7. Post-Installation Maintenance Schedule

- **Daily:** Visual inspection for leaks (smell check)
- **Monthly:** Full leak test with soapy water
- **Every 3 months:** Hose condition check (replace if cracked)
- **Annually:** Professional system inspection
- **Every 2 years:** Replace regulator and hose

### EMERGENCY CONTACTS

24/7 Emergency Hotline: **+254 721 489 755**

Nairobi Office: +254 722 240086

Matuu Depot: +254 733 216074

Email: [info@barakagas.com](mailto:info@barakagas.com)

## 8. Warranty and Support

Baraka Gas Ltd provides:

- Cylinder warranty against manufacturing defects
- Free installation support for first-time customers
- 24/7 emergency response
- Replacement parts availability

Keep your purchase receipt and installation date recorded for warranty claims.