

LP Gas

Safety in the Home



Clean, Affordable and Safe

LP Gas is a safe product if handled and used correctly.


ZERA
ZIMBABWE ENERGY REGULATORY AUTHORITY
For sustainable energy



1. Lighting a cylinder-mounted cooker -top

- Before using the appliance, check if the cooker-top and cylinder are securely connected – check that the O-ring or seal on the cooker top is in place and working properly.
- If there are no leaks detected e.g. by smelling gas, hissing sound or soap leak test, strike a match and hold the flame near the cooker-top head.
- Slowly turn on the cylinder valve until the flame catches on the cooker-top.
- Adjust the flame by turning the cylinder valve accordingly.
- To turn OFF the cooker, close the cylinder valve firmly.



2. A standard LPG stove (with regulator)

Lighting manually ignited standard stoves (with a regulator)

Always follow the instruction in the stove's Users' Manual, otherwise:

- Make sure that the cylinder valve and all the stove knobs are closed.
- Turn ON the cylinder valve- (one and a half turns should be enough.)
- Check for gas leaks between the cylinder and stove and fix them before switching ON the stove.
- Light a match and hold its flame near the stove burner-head.
- Turn ON the stove knob until the flame catches on the burner-head.
- Adjust the flame on the stove knob/valve accordingly.
- To turn OFF the stove, close the cylinder valve first and then the stove knob/valve after the flame has died down.



3. Lighting standard LPG stoves fitted with an auto ignition switch

- Make sure that the cylinder valve and all the stove knobs are closed.
- Turn ON the cylinder valve- (one and a half turns should be enough.)
- Check for gas leaks between the cylinder and stove and fix them before switching ON the stove Press and turn the knob. The flame starts immediately. If not, switch OFF, and restart after allowing for the gas to disperse first.
- The flame can be adjusted at the stove knob.
- To switch OFF the stove, close the cylinder valve first, and then close the stove knob, after the flame has died down.

4. When cooking with LP Gas

- Be alert for any possible danger.
- Keep a watchful eye and make regular checks.
- Do not leave boiling pots unattended for long periods of time.
- Ensure there are no liquid (e.g. stews, sauces, porridge or water) spills from boiling pots onto the stove that may put out the fire resulting in accumulation of unburnt gas



5. When changing a cylinder ensure the following

- There is no naked flame nearby
- The stove is SWITCHED OFF, and the cylinder valve is closed
- Before connecting the regulator or the cooker-top, ensure that the rubber seal or O-ring is in place.
- Do not use regulators or cooker tops without the rubber seal or O-rings
- Ensure there are no gas leaks BEFORE switching ON the stove.



6. Safety Tips

	Do	Do Not
Keep the cylinder in a vertical position with the valve on top.	 ✓	 ✗
Keep a distance of at least 2 metres between your gas cylinder and coal/wood stoves, any electrical sockets or electrical appliances.	 ✓	 ✗
Ensure that there is always adequate ventilation and do not keep LPG cylinders inside cupboards.	 ✓	 ✗
Do not keep a total of more than 19kg of LPG cylinders inside a single housig unit.	 ✓	 ✗
LPG cylinders are not to be placed in closed proximity to the stove or any other source of flame or heat	 ✓	 ✗
Always use the correct rubber hose and check it regularly for cracks. Change rubber hose at least once every 18 months. Do not use plastics to tie hose.	 ✓	 ✗

7. LP Gas Emergency Procedures

DO NOT PANIC!

Ensure that your LPG system is assembled by a person with necessary LPG training and knowledge and that the installation is leak tested. In the case that your system is leaking the following guidelines should be followed.

<p>Close the knob of the LPG appliance properly. Bring the regulator to the "OFF" position.</p>	
<p>Open all doors and windows so that fresh air can enter the room/kitchen.</p>	
<p>Do not switch "ON" or "OFF" any electrical appliance in the room/kitchen.</p>	
<p>Put off all flames. Do not use any lighted matchbox or lighter to check for any LPG leakages.</p>	
<p>Do not use an electric fan to dispel LP Gas.</p>	



8. Emergency procedures for cooker-tops in cases of gas leaks with a fire.

DO NOT PANIC!

- If possible CLOSE the cylinder valve to stop the gas flow.
- If NOT possible to stop the gas flow, raise alarm.
- Move the cooker in an up-right position and place in an open, well-ventilated area to burn off the gas.
- Call Fire Brigade immediately.

N.B

- Ensure gas supply from cylinder is firmly turned off before attempting to put out a gas fire.
- After closing the cylinder valve, safely move the cylinder outdoors for the gas to burn off.

If it is NOT possible to stop the leak, move the cylinder and cooker to an open, well-ventilated area. Vacate the house and call the Fire Brigade +263 242 720 206, remember not to use any electrical appliances, including cell phones in the same room where the suspected leak is.

9. Emergency procedures for cooker-tops

Please ensure the cylinder is re-tested and re-approved every 10 years. Check areas A, B or C (as shown in the adjacent cylinder) for the following permanent markings among others:

- Tare Weight (TW)
- LPG Weight (LPG)
- Date of Manufacture/Test date
- Normalisation Mark (N)
- Standard/Code of manufacture



10. General Precautions for Safe Use of LPG

Always be in full attendance when cooking using LPG. The sauce or liquid in your cooking could overflow and extinguish the burners, causing gas to leak if cooking appliances are left unattended.



Only use appliances designed for LP Gas.



Ensure your LPG system is assembled by a person with necessary LPG training and Knowledge.



Ensure the installation is leak tested by applying soap water to joints. If bubbles appear, close the valve and have the leaks fixed.



Why consumers should switch to LP Gas

- Efficiency

LPG is extremely efficient in generating heat, and therefore a major step on the energy quality ladder. LPG also ignites instantly.

- Cleanliness

LPG burns efficiently, without producing smoke, thereby reducing indoor pollution, contributing to better health for women and children.

- Environmentally Friendly

From an environmental point of view, LPG emits much less CO₂ per meal when burned than wood fuel and other traditional fuels and also cuts down on deforestation.

- Portability

It is easily liquefied and stored in pressured containers making it easy to transport in cylinders to end users without spillage.

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