



## Installation and Operating Instructions



LCC27 REGULATOR  
CYLINDER CONNECTION

### Gas Level Gauge

Precision made gas level gauge with luminescent - night glow dial face – show gas level at a glance, eliminates unnecessary refills. Never 'run out' of gas again!

### Gas Leak Test

Be safe! Quickly check for gas leaks.

### Automatic Shut Off

100% shut off in the event of a major leak.

### Quick & Easy To Fit

Gas Safety Gauge connects to your LCC27 gas cylinder in under 60 seconds.

**IMPORTANT:** Improper use of this product may cause an explosion or fire resulting in death, personal injury or property damage. Read the installation and operating instructions before installing and using this product. **Always take extreme care when using gas appliances.**

These instructions form an important part of your purchase and contain full instructions for its use and limitation of our liability for any loss or damage arising from your use or misuse of Gas Safety Gauge for any reason. This does not affect any non-excludable rights you may have under the Trade Practices Act or any other state/territory legislation. If you do not agree with the limitation detailed inside, you should return your Gas Safety Gauge to us together with proof of purchase within 7 days of purchase for a full refund.

## INSTRUCTION

1. Model of Regulator & hose assembly with safety device:  
C35-SD-LCC, SP-369-LCC
2. Inlet working pressure range: 250-1750 kPa
3. Temperature limitations: -20 °C to 60 °C
4. Type of Regulator: Low Pressure Gas Regulator with gas safety gauge
5. Performance characteristics:  
Flow rates: 2.0 kg/hr  
Inlet pressure: 250-1750 kPa  
Outlet pressure: 2.8 kPa  
Initial manufacturers setting condition: 2.0 kg/hr @ Inlet pressure: 690 kpa

1. Model of safety device: SP-368-LCC
2. Rated working pressure: 2.6 MPa
3. Temperature limitations: -20 °C to 60 °C
4. Type of Regulator: Type 4

This regulator assembly is designed with an inbuilt excess flow safety gas control device. The device is designed to detect gas leaks in the hose and gas piping assembly, quickly reducing the gas flow to the barbeque allowing for safer gas cylinder shut off. It is important that all burner controls are on the OFF position before opening the gas cylinder valve. Failure to follow this procedure will result in the excess flow safety device activating resulting in reduced gas flow to the burners. Always open the gas cylinder control valve slowly to avoid any sudden gas flow which may activate the device. The excess flow safety device can be reset by turning all burner controls to the OFF position and shutting the gas cylinder valve, then reopening the gas cylinder valve first followed by the burner controls. The excess flow safety device may not detect very small gas leaks so always follow the gas leak test procedure contained in the barbeque instructions.

**IF YOU SMELL GAS OR THERE IS A GAS LEAK;  
DO NOT ATTEMPT TO LIGHT THE BARBEQUE.  
TURNOFF OR DISCONNECT GAS SUPPLY.**

The inlet connection is LCC27 fitting which has a right hand thread.

## **WARNING**

### **FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN AN EXPLOSION OR FIRE THAT MAY CAUSE PROPERTY DAMAGE, SERIOUS INJURY OR DEATH**

Before you use your products

1. Move products to an open area. See owner's manual.
2. Make sure gas cylinder valve is in its full off position. (Turn clockwise to stop)
3. Check the gas cylinder valve features and ensure it is suitable for LCC27(type 27) connector.
4. Make sure all burner valves are in their off positions.
5. Inspect valve connection port and regulator assembly. Look for any damage or debris. Remove any debris. Inspect hose for damage. Never attempt to use damaged or plugged equipment. See your local LP gas dealer for repairs.
6. When connecting regulator assembly to the gas cylinder valve, using the LCC27 Tighten clockwise to a positive stop. DO NOT use a wrench to tighten. Use of a wrench may damage the plastic hand wheel and result in a hazardous condition.
7. Open tank valve fully (counter-clockwise). Use a soapy water solution to check all connections for leaks before attempting to light products. If a leak is found, turn tank valve off and do not use products until repairs can be made by local LP Gas Dealer. DO NOT attempt to make repairs yourself.
8. Never attempt to use products or any components that have been damaged or exposed to an accidental fire. The inlet connection provide with this product may incorporate an Excess flow control. Consult owner's Manual for important detailed lighting instructions before attempting to light the appliance.

Consult owner's manual for important detailed lighting instructions before attempting to light the appliance.

## For your safety

This product must be installed by a competent adult. Install Gas Safety Gauge in a well ventilated, unconfined area. Ensure all barbecue, burner and cylinder controls are turned off. Do not use Gas Safety Gauge or Gas Safety Gauge Hose & Regulator where heat, vibration, corrosion, water or chemicals can damage the unit.

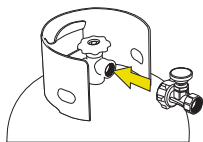
Do not use a naked flame, cigarettes, matches or mobile phone nearby when connecting, disconnecting or testing for leaks.

## Installation: Gas Safety Gauge

Please note that LCC27 fittings are right Hand Thread.

To tighten - turn clockwise.

To loosen - turn ANTI clockwise.



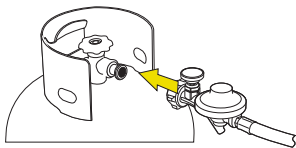
1. Turn off gas at cylinder and ensure all burner knobs are turned off.
2. Disconnect regulator, or for high pressure systems, the hose from gas cylinder.
3. Connect Gas Safety Gauge to cylinder and tighten securely with Gauge in the horizontal position.
4. Connect Regulator/Hose onto Gas Safety Gauge or for high pressure systems, the hose onto Gas Safety Gauge and then tighten securely with spanner.
5. Install under protective cover to avoid rainwater entering the gauge.

## Installation: Gas Safety Gauge Hose and Regulator

Please note that LCC27 fittings are right Hand Thread.

To tighten - turn clockwise.

To loosen - turn ANTI clockwise.



1. Turn off gas at cylinder.
2. Turn off knobs on appliance.
3. Connect Gas Safety Gauge Hose & Regulator to appliance.
4. Connect Gas Safety Gauge Hose & Regulator to cylinder.
5. Install under protective cover to avoid rainwater entering the gauge.

## Special features of your Gas Safety Gauge

### 1. How to test your gas system for leaks

**Warning** - Never use an LP (Propane) gas system without testing for leaks!

1. Turn off the gas supply at the cylinder.
2. **Turn off all appliance burner controls.**
3. Now turn on gas cylinder valve – remember to make sure appliance is turned OFF, this allows gas pressure to flow into the gas line connected to the appliance.

The gauge should now indicate the gas cylinder pressure (if it does not show a pressure reading you are out of gas).

- **Important:** Wait approximately 5 seconds and pump the Gas Safety Gauge up and down at least 4-6 times. The longer the gas line, the more you need to pump the gauge. **If you do not pump enough pressure, Gas Safety Gauge will keep shutting off.**



4. Now turn OFF gas supply at the cylinder. The Gas Safety Gauge monitors the pressure between the gas cylinder and the appliance. If there are any leaks between these points, this is indicated by the needle movement towards the red band on the gauge.
5. If needle movement is towards the red band after pressurising, then leakage is indicated. Do not use until the leak is located and rectified. To detect a leak, apply a soapy water solution to all connections and look for bubbles. Expanding bubbles indicate you have a leak. Repair all leaks prior to turning on the gas supply and then repeat steps 1 through 6.

If leak persists, DO NOT USE until the leak is located and rectified by a qualified gas service person.

6. If needle remains in the same position after pumping (wait 60 seconds or 5 minutes for longer pipe runs) then you may proceed carefully. Use system as normal and turn on gas cylinder control valve. Pump Gas Safety Gauge 4-6 times to start.

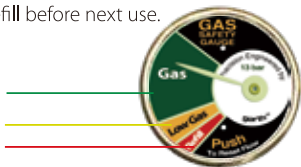
## 2. Reading gas safety gauge for low gas

The gauge is to be read after gas cylinder has been in use for at least 10 minutes. The gauge indicates low levels only and will not tell you if it is full.

Note: It is best to read for gas level just before finishing using gas appliance and then checking whether to refill before next use.

### If the needle points to:

- **Gas** – Plenty of gas
- **Low Gas** – Gas level is approaching low
- **Refill** – Refill required soon



## 3. Automatic shut off mechanism

### The automatic shut off system has limitations:

- Gas Safety Gauge will not shut off if there is a small leak, if flame extinguishes on the appliance, or if leak is not large enough to activate shutoff mechanism.
- Shut off may occur if device is subject to low temperatures, or not set properly, or gas appliance knobs are left on, or low gas levels are present, or appliance uses more than 110MJ or subject to high flow of gas.
- Shut off should occur if high flow of gas, or regulator fails delivering bottle pressure, or if hose is cut off, burnt off or ripped off delivering bottle pressure downstream from gas supply.

## IMPORTANT

If in any doubt, retest system for gas leaks (see section "1"). If in further doubt, do not attempt to rectify system. Have a qualified gas fitter or repairer service the system or appliance.

## 1/4" outlet to 3/8" SAE adaptor

*(For use with hose & regulator model only)*

Only use this adaptor if you need to connect a hose with 3/8" SAE fitting to a barbecue that has a 1/4" inlet.

1. Wrap gas sealant tape around the 1/4" gas inlet of the barbecue (gas sealant tape is available from most barbecue and hardware stores).
2. Using a spanner, connect the adaptor to the gas inlet of the barbecue as shown on Fig.1 below. Please do not over tighten the adaptor otherwise there is a possibility that you will damage the adaptor.
3. Screw the hose to the adaptor tighten with a spanner as shown on Fig.2 below. Please do not over tighten the regulator hose otherwise there is a possibility that you will damage the adaptor.
4. Ensure all connections are tight!
5. Perform a leak test by following the separate Gas Safety Gauge instructions.

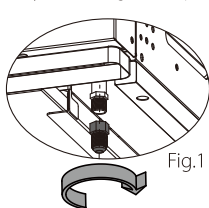


Fig.1

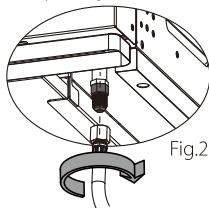


Fig.2

### Handy hints

**Before Starting: Make sure all gas controls – On/Off Knobs are turned Off - at the appliance.** Then turn on gas cylinder control valve and pump Gas Safety Gauge 4-6 times, otherwise the Gas Safety Gauge may not set properly and allow small amounts of gas to flow.

If condensation forms under the gauge face, take the Gas Safety Gauge off and place inside in a dry or air-conditioned room until the condensation evaporates and then replace Gas Safety Gauge back on gas system. In extremely cold conditions, Gas Safety Gauge may shut off.

To reset the Gas Safety Gauge, pump gauge approximately 4-6 times.

## Gas safety guide

The following points will help you maintain a safe place for the outdoor recreation and entertainment area of your home.

- Gas appliances should be positioned at least 1 meter away from any combustible objects, including the house, furniture, or plants. (Consult manufacturers recommended clearances)
- Prior to use, always check the gas cylinder, gas hose and regulator for damage. Check that hoses are tightly fitted to the outlet.
- Conduct regular leak tests. We recommend performing a leak test prior to using a gas appliance and after refitting a refilled gas cylinder. Do not use a lit match or naked flame to check for leaks!
- Do not use an outdoor appliance indoors or in an unventilated area. This is a fire hazard.
- Always keep an outdoor fire extinguisher within convenient reach of a gas appliance while it is operating.
- Keep children and pets away from gas appliances and cylinders at all times.
- Fit a Gas Safety Gauge to your spare cylinder to prevent unintentional release of gas should the cylinder valve be accidentally turned on.

## WARRANTY

Please retain your proof of purchase keep it in a safe place for future reference.

## WARRANTY TERMS

This product is warranted against defects in materials and workmanship for a period of 10 years from the original date of purchase.

The warranty is provided by

**Australia**- Adeval Group Pty Ltd

**New Zealand** – Garth New Zealand Limited

Please note: This warranty does not cover any damage caused by accident or misuse or damage resulting from failure to maintain the product as specified in the instruction manual.

## WHAT TO DO TO CLAIM FOR WARRANTY YOU MAY

- Contact the retailer with whom you bought the product from and advise them the nature of the defect .
- Return the goods to your place of purchase along with proof of purchase.
- Contact either the New Zealand or Australian company providing the warranty.

## WHAT WE WILL DO IN THE EVENT OF A CLAIM

If any part of this product is found to be defective during the terms of this warranty, the warranty provider shall repair or replace the defective component or product or provide a remedy to the consumer in accordance with the law of the jurisdiction where the sale took place.

## CONDITIONS OF THE WARRANTY

- The appliance must be operated and maintained in accordance with the instructions supplied in the operating manual.
- Any repair does not extend the warranty period.
- No warranty will be accepted without proof of purchase.
- The warranty only applies to the original owner of the product and is not transferrable.
- The warranty period (term) is calculated from the date of purchase.

## FOR WARRANTY CLAIMS

### Australia

Adeval Group Pty Ltd.  
276 Proximity Drive ,  
Sunshine West Victoria 3020,  
AUSTRALIA  
Phone: 1800 427 841  
email: info@garth.com.au

### New Zealand

Garth New Zealand Limited  
WILLIAM BUCK (NZ) LIMITED, Level 4,  
Zurich House, 21 Queen Street,  
Auckland, 1010, New Zealand  
Email: info@garth.com.au  
Phone: 0800 357 050

## Proof of purchase must be presented.

### For Australian Customers

The warranty covers manufacturer defects in materials, workmanship and finish under normal use.

This warranty is provided in addition to other rights and remedies you may have under law: our goods come with guarantees which cannot be excluded under the Australian Consumer Law. You are entitled to replacement or refund for a major failure and to compensation for other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The warranty excludes damage resulting from product misuse or product neglect. The warranty covers domestic use only and does not apply to commercial applications.

## For New Zealand Customers

To make a claim under the warranty, take the product (with proof of purchase) to your store of purchase.

Garth New Zealand Ltd bears reasonable, direct expenses of claiming under the warranty. You may submit details and proof to us directly for consideration.

The warranty covers manufacturer defects in material, workmanship under normal use.

The warranty is provided in addition to other rights and remedies you may have under law: our goods come with guarantees which cannot be excluded under the Consumer Guarantees Act 1993 (NZ). You are entitled to replacement or refund for a major failure and to compensation for other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The warranty excludes damage resulting from product misuse or product neglect. The warranty covers domestic use only and does not apply to commercial applications.

Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods.





**Adeval Group Pty Ltd.**  
276 Proximity Drive  
Sunshine West Vic 3020  
Australia