

Gasmate®

BUTANE STOVE

MODEL NO. BC100

USER MANUAL



IMPORTANT: KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.

For the most up-to-date version of this manual, please visit the product page at gasmate.com.au, as updates and improvements may be made periodically.

INTRODUCTION

Thank you for purchasing our Gasmate Butane Stove. We recommend that you take the time to check and see that the packaged contents are all accounted for. It would also be a good opportunity to visually check for obvious damage or problems with the Butane Stove while unboxing.

This User Manual provides informative information on safety, functions, maintenance and other key points to allow for safe and trouble-free use.

We take utmost care to ensure that all our Butane Stoves pass our rigorous and extensive quality assurance process before delivery.

However, in the unlikely event that you should experience a problem, require assistance, or have a potential warranty issue, we are here to help. Please do not hesitate to contact our Customer Service Department using the contact details at the back of this User Manual.

Note, due to continual product development, product images may differ slightly to what is shown.

GENERAL SAFETY WARNINGS

IMPORTANT: Read these instructions for use carefully. Familiarise yourself with the appliance before connecting it to its gas container. Keep these instructions for future reference.

Before attempting to ignite and/or use your new Butane Stove, the following basic safety precautions should be taken into consideration to eliminate the possible risk of Fire and Personal injury.

This User Manual also highlights guidelines, limitations, and potential hazards associated with this Butane Stove before, during and after use.

The User Manual is designed with safety in mind, for yourself, others, and to ensure a long trouble-free service life.

If for any reason, you do not fully understand the contents of this User Manual or require clarification regarding the features or safety, please contact our Customer Service Department for assistance.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions concerning the use of this appliance by a person responsible for their safety.

OVERSIZE COOKWARE SAFETY DEVICE

This Gasmate Butane Stove includes a unique additional safety device designed to prevent oversized cookware from being used.

Using cookware which extends over and or beyond the area of the Cartridge Cover (7), will deflect heat down towards the butane cartridge located inside. As a direct result, the radiant heat produced can significantly increase the temperature of the gas butane cartridge, causing the internal pressure to become extremely dangerous.

The safety device is triggered when oversized cookware; pot, pan, or hotplate is placed onto the Butane Stove and at the same time contacting the uniquely positioned mechanical mechanism, or lever (8).

Once contact is made, the lever is forced down, causing the butane cartridge to automatically '**Unload**' (eject), shutting off the gas supply.

To maintain proper and safe operation, ensure that the cookware used is not greater than 260mm in diameter or in length, correctly positioned, and does not obstruct or sit on the safety device.

DUAL - REGULATOR OVERPRESSURE SAFETY SENSORS

Under extreme conditions or if this User Manual is not adhered to, as in using oversized cookware mentioned previously, the pressure within a butane cartridge can rise to an unacceptable level, and consequently, the butane cartridge may become extremely volatile.

How does it work? If gas overpressure is sensed, the **FIRST** safety sensor will automatically activate within the Gas Regulator/Valve (10), triggering a 'plunger' to mechanically 'Unload' (eject) the butane cartridge, shutting off the gas supply.

To reset after activation, remove the gas cartridge, check the temperature, and if excessively warm, place the butane cartridge in a cool environment and wait until it returns to ambient temperature.

Once cooled, reinsert the butane cartridge, ensuring to follow the operating instructions carefully to continue using.

If for some reason, the first safety sensor fails to operate, the **SECOND** safety sensor within the regulator will take over, shutting off the gas supply to the burner.

To continue using the butane stove in this case, requires pushing the (RED) Reset Safety Button (11) located on the side of the Gas Regulator/Valve (10).

Remove the butane cartridge, then release the gas pressure within the Gas Regulator/Valve (10) by rotating the Control Knob (1) to the 'HIGH' and then back to the 'OFF' position.

Firmly push in the (RED) Reset Safety Button (11), reinsert the butane cartridge, ensuring to follow the operating instructions carefully to continue using.

It is highly recommended to investigate the probable cause/s of the excessive pressure buildup within the butane cartridge. Ensure to read and fully understand the **SPECIFIC SAFETY WARNINGS** on the following pages before continuing, and or reduce the size of the cookware if necessary to prevent possible overpressure reactivation.

SPECIFIC SAFETY WARNINGS



WARNING!

BUTANE - GAS CARTRIDGE (220g)

THIS APPLIANCE SHALL ONLY BE USED WITH $\geq 95\%$ BUTANE/ $\leq 5\%$ PROPANE MIX GAS CARTRIDGE CERTIFIED TO EN417.

IT MAY BE HAZARDOUS TO ATTEMPT TO FIT OTHER TYPES OF GAS CONTAINERS.

BUTANE CARTRIDGES SHOULD BE STORED OUTDOORS, IN A WELL-VENTILATED AREA AND OUT OF REACH OF CHILDREN. ANY INDOOR STORAGE SHALL COMPLY WITH AS/NZS 1596.

DO NOT REFILL, PUNCTURE OR INCINERATE.



WARNING!

ONLY USE IN WELL-VENTILATED AREAS.

CARBON MONOXIDE HAZARD - USING THIS APPLIANCE IN AN ENCLOSED SPACE MAY CAUSE DEATH.

DO NOT USE IN CARAVANS, TENTS, MARINE CRAFT, CARS, MOBILE HOMES OR SIMILAR LOCATIONS.



WARNING!

THE OPENINGS AT THE BASE OF THE BURNER PROVIDE THE REQUIRED AIR FLOW FOR OPTIMUM COMBUSTION AND SHOULD NEVER BE OBSTRUCTED. IF THE FLAME BECOMES SIGNIFICANTLY ORANGE IN COLOUR, INSPECT THESE OPENINGS FOR ANY BLOCKAGE OR OBSTRUCTION.

IF THE APPLIANCE CANNOT BE ADJUSTED TO PERFORM CORRECTLY, IT SHOULD NOT BE USED UNTIL SERVICED OR REPAIRED.



WARNING!

NOT FOR COMMERCIAL USE

DO NOT USE MULTIPLE APPLIANCES TO HEAT A SINGLE COOKING DEVICE

DO NOT MOVE THE APPLIANCE DURING OPERATION.

DO NOT USE COOKWARE GREATER THAN 260MM IN DIAMETER OR GREATER IN DIMENSION OF THE COOKWARE SUPPLIED.

IF OVERSIZED COOKWARE IS USED, THE 'OVERSIZE COOKWARE SAFETY DEVICE' WILL ACTIVATE AND AUTOMATICALLY EJECT THE CARTRIDGE FROM THE REGULATOR.

DO NOT USE AS A SPACE HEATER OR FOR ANY PURPOSE OTHER THAN COOKING.

IMPORTANT: AVOID BOIL-OVER AND SPILLAGE DURING OPERATION.

DO NOT USE THIS APPLIANCE IN AREAS WHERE THERE IS A RISK OF EXPLOSION OR FIRE FROM COMBUSTIBLE MATERIALS. THE RADIANT HEAT POSSIBLY CAUSED WHEN USING THIS APPLIANCE MAY IGNITE COMBUSTIBLE MATERIALS SUCH AS, WOOD, PLASTIC, FABRIC OR FURNITURE. AS WELL AS FLAMMABLE LIQUIDS SUCH AS, PAINT, VARNISH, PETROL, FLAMMABLE GASES AND DUST OF AN EXPLOSIVE NATURE.

ENSURE ADEQUATE CLEARANCE IS ALWAYS MAINTAINED. THE RECOMMENDED MINIMUM CLEARANCE FROM COMBUSTIBLE MATERIALS SHOULD BE 400MM FROM THE: BACK AND SIDE, 1200MM FROM THE TOP. THIS APPLIANCE MUST BE USED ON A HORIZONTAL, STABLE AND NON-FLAMMABLE SURFACE.



WARNING!

REMOVE THE BUTANE STOVE FROM THE STORAGE/CARRY CASE BEFORE USE.

SPECIFIC SAFETY WARNINGS (continued)

- Do not modify or disassemble this appliance.
- Do not use this appliance if it has damaged or worn seals.
- Do not use this appliance if it is leaking gas, damaged or does not operate properly.
- Do not force the cartridge locking lever as this will result in permanent damage.
- Do not use cleaning products that are combustible, abrasive or corrosive.
- Do not place articles on or against this appliance.
- Do not leave this appliance unattended while ignited.
- Do not permanently install or connect this appliance to any other reticulated gas supply.
- Always familiarise yourself with this appliance before connecting the butane cartridge.
- Always leak test the regulator and butane cartridge connection with a soapy water solution before each use. Do not try to detect leaks using a flame.
- Always check that the seals between the regulator and butane cartridge are in place and in good condition before connection.
- Always ensure that this appliance is turned 'OFF' after each use and the butane cartridge is removed.
- Always ensure that there is adequate ventilation under this appliance while in use.
- Always check that burner is extinguished before disconnecting the butane cartridge.
- Always change the butane cartridge in a well-ventilated location, preferably outside, away from people and any source of ignition. Such as naked flames, pilot flames, and electric heaters/equipment.
- If the flame height appears excessively high, low or soot is being deposited, stop using the appliance and have it serviced.
- If there is a gas leak is detected from your appliance (smell of gas), and you cannot stop the gas flow, move the appliance to a well-ventilated location and away from any ignition source. Check for leaks using soapy water. Do not try to detect leaking gas with a flame.
- This appliance must only be serviced or repaired by an Authorised Gasmate Service Agent.
- To check that the butane cartridge contains gas, gently shake to hear a liquid sloshing sound.

GASMATE BUTANE STOVE KEY FEATURES

- Built-in Oversize Cookware Safety Device.
- Dual - Regulator Overpressure Safety Sensors - if the pressure within the butane cartridge becomes excessively high, the regulator will mechanically 'UNLOAD' (eject) the butane cartridge, automatically shutting off the gas supply.
- Powerful 9.0 MJ/h turbo type burner - designed to deliver even heat.
- Integrated Rotary Piezo Ignition - for easy lighting.
- Fully portable – carry case included, perfect for camping or day trips.
- Recommended butane gas cartridge - Gasmate 220g bayonet cartridge.
- Certification - Australian and New Zealand Gas Standards.
- Weight - 2.7kg (BC100) (Including carry case, excluding a butane cartridges).

UNPACKAGING YOUR GASMATE BUTANE STOVE

Carefully remove the packaging sleeve, open the carry case, remove the contents and any transit protection. Visually inspect your Butane Stove for any obvious damage, and that all components are included as per the heading 'Understanding your Gasmate Butane Stove'.

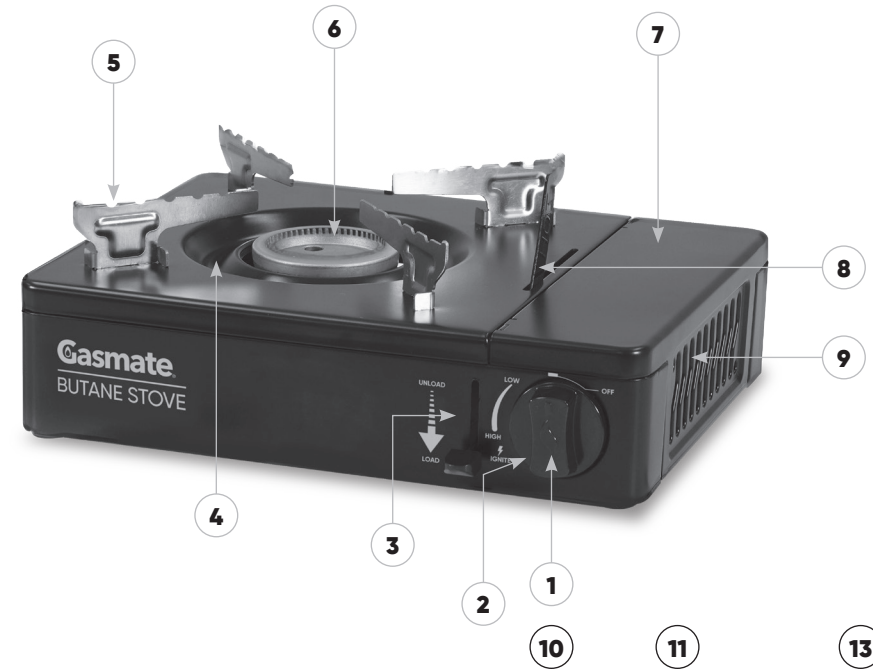
This Butane Stove comes fully assembled, except for the butane gas cartridge. Refer to the heading 'Specific Safety Warnings' for the recommending type of butane gas cartridge to use.

Note: Butane Gas Cartridges are not included and must be purchased separately.

PACKAGING DISPOSAL

This packaging has been designed to be as kerbside recyclable as possible in Australia and New Zealand. Please follow recycling instructions on the box for all elements of your packaging.

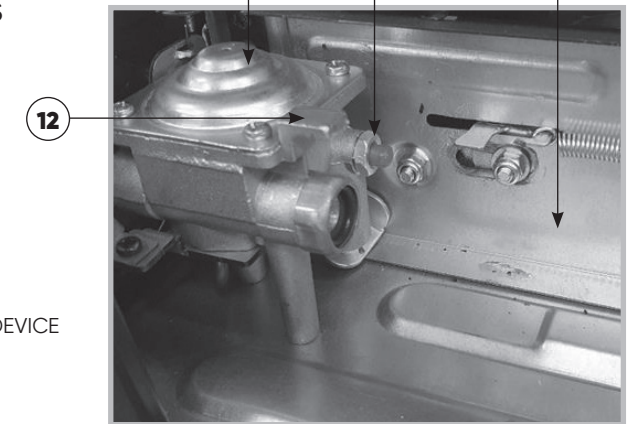
UNDERSTANDING YOUR GASMATE BUTANE STOVE



COMPONENTS & CONTROLS

PIC 1

1. CONTROL KNOB
2. PIEZO IGNITION
3. CARTRIDGE LOCKING LEVER
4. DRIP TRAY
5. COOKWARE SUPPORTS
6. TURBO TYPE BURNER
7. CARTRIDGE COVER
8. OVERSIZE COOKWARE SAFETY DEVICE
9. AIR VENT
10. GAS REGULATOR/VALVE
11. (RED) RESET SAFETY BUTTON
12. REGULATOR/VALVE TAB (RED)
13. CARTRIDGE LOCATION



Note: Located under the cartridge cover (7)

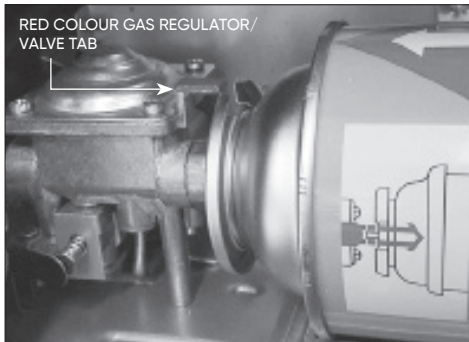
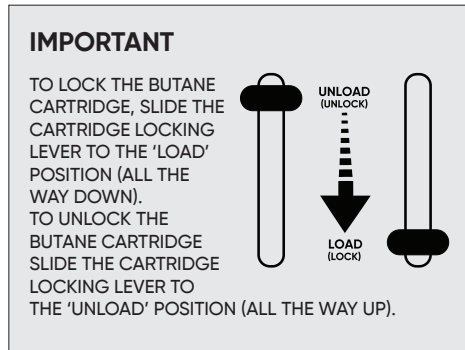
OPERATING INSTRUCTIONS

HOW TO INSERT THE BUTANE GAS CARTRIDGE

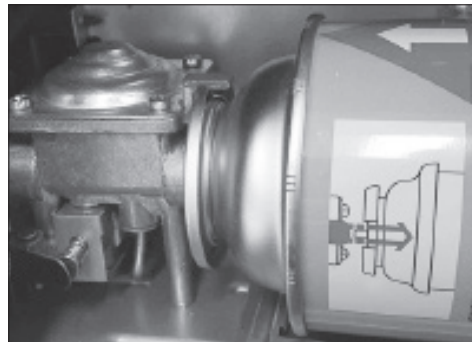
1. Refer to the headings 'General Safety Warnings' and 'Specific Safety Warnings', ensure to read and fully understand before installing the Butane Gas Cartridge.
2. Ensure that the Butane Stove is upright and positioned on a flat non-combustible surface.
3. Slide the Cartridge Locking Lever (3) to the 'UNLOAD' position (all the way up).
4. Rotate the Control Knob (1) to the 'OFF' position (fully clockwise).

Note: The Control Knob (1) **MUST** be in the 'OFF' position for the Butane Cartridge to be inserted correctly.

5. Open the Cartridge Cover (7) to locate the position for the Butane Cartridge (13) and Gas Regulator/Valve (10).
6. Visually inspect the 'Input' O-Ring seal of the Gas Regulator/Valve (10) to ensure that it is in place and not damaged.
7. Locate a full Butane Cartridge and remove the protective cap*.
8. Insert the Butane Cartridge output valve first into the Cartridge Location (13), ensuring that the cut-away slot in the Butane Cartridge rim aligns with the red colour Gas Regulator/Valve Tab* (12) (Pic 2). Do Not close the Cartridge Cover (7) at this stage.
9. Engage the Butane Cartridge by sliding down the Cartridge Locking Lever (3) to the 'LOAD' position (all the way down), and at the same time observing to ensuring that the cut-away slot in the Butane Cartridge Rim aligns with the red colour Gas Regulator/Valve Tab (12) (Pic 3). DO NOT force the Cartridge Locking Lever (3), the Butane Cartridge may not be aligned correctly*. If you hear 'hissing' sound and or smell gas, the Butane Cartridge may not be positioned correctly*. Realign/reposition the Butane Cartridge and repeat this step.



PIC 2

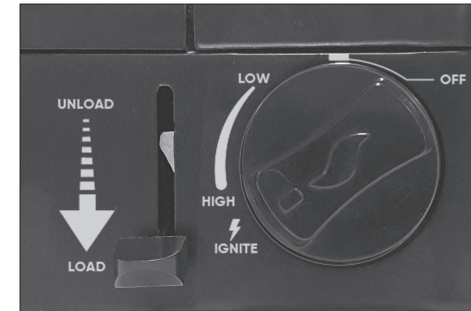


PIC 3

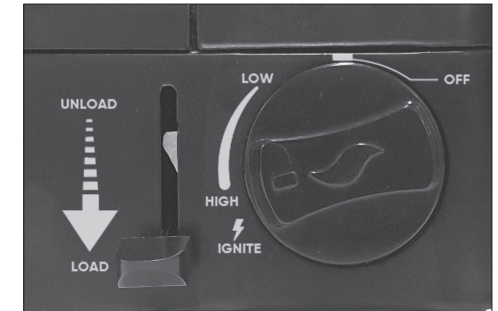
OPERATING INSTRUCTIONS

HOW TO TURN ON THE BUTANE STOVE

10. Rotate the Control Knob (1) fully anticlockwise to the 'IGNITE' position, you should hear a 'click', indicating that the Piezo Ignition (2) is attempting to ignite the burner (6). If the burner does not ignite, repeat this step (Pic 4).



PIC 4



PIC 5

11. **IMPORTANT:** Once the burner ignites, rotate the Control Knob (1) to the 'HIGH' position and check for gas leaks (Pic 5).

Refer to the heading 'Specific Safety Warnings' for further information. If a gas leak is found, immediately slide the Cartridge Locking Lever (3) to the 'UNLOAD' position (all the way up), and rectify the issue. If no gas leak is found, close the Cartridge Cover (7).

Note: The output intensity of the burner can be adjusted by rotating the Control Knob (1) between 'LOW' and 'HIGH'.

HOW TO TURN OFF THE BUTANE STOVE

12. Rotate the Control Knob (1) fully clockwise to the 'OFF' position to extinguish the burner flame (Pic 6).

Note: In an emergency, the flame can be extinguished by sliding the Cartridge Locking Lever (3) to the 'UNLOAD' position (all the way up).

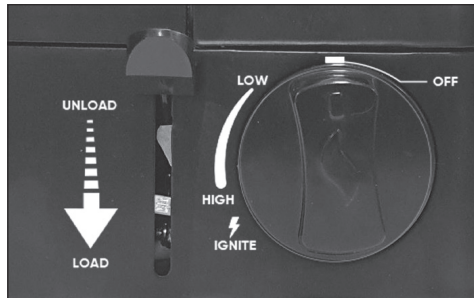


PIC 6

OPERATING INSTRUCTIONS

HOW TO REMOVE THE BUTANE GAS CARTRIDGE

13. Rotate the Control Knob (1) to the 'OFF' position, if not already done (fully clockwise).
14. Slide the Cartridge Locking Lever (3) to the 'UNLOAD' position (all the way up) (Pic 7).
15. Open the Cartridge Cover (7) to locate the unloaded Butane Cartridge.
16. Remove the Butane Cartridge and discard responsibly if empty or replace the protective cap for storage and future use. Close the Cartridge Cover (7) and ensure to allow the Butane Stove to completely cool before storage.



PIC 7

* Retain the protective cap for cartridge storage purposes.

^ Tip; The RED colour spine printed on the Gasmate Butane Cartridge has been positioned to align with the cut-away slot in the rim, and is also used as a guide to align with the RED colour Gas Valve Tab.

MAINTENANCE, CLEANING, CARE AND STORAGE

DO NOT DISASSEMBLE THIS BUTANE STOVE

Keep the Butane Stove clean by wiping with a damp cloth. Avoid dust and other debris entering the Butane Stove. Do not use cleaning products that are combustible, abrasive or corrosive.

The outside of the Butane Stove can be wiped clean with a mild solution of dish washing detergent and finished off with a dry cloth. Do not use abrasive pads.

Recommended to clean the burner head by gentle scrubbing with a dry brush at least annually to ensure that the burner ports are free of any obstructions.

Store your Butane Stove in a cool, dry environment ensuring that the Butane Cartridge is removed and secured away from children.

If this Butane Stove fails to operate correctly, it should not be used until it is serviced or repaired. Please contact our Customer Service Department using the contact details at the back of this User Manual.

TROUBLESHOOTING

Problem / Cause	No ignition	Unstable flame	Uneven flame	Slow burning	Gas smell	Stopped working while in use	Continued burning	Solution
Lack of fuel	●			●		●		Replace cartridge
Piezo plug dirty	●							Clean spark point
Dirty burner	●	●	●	●				Clean burner
Cartridge misaligned	●	●		●	●			Reset correctly
Empty cartridge	●		●	●				Replace cartridge
Faulty knob mechanism	●				●		●	Request for inspection/repair
Internal gas pressure too high						●		Cool gas cartridge
Improper setting of spark point	●							Set spark point to 2-3mm away from burner

Due to continual development, specifications are subject to change without notice.

SPECIFICATIONS

TOTAL NOMINAL GAS CONSUMPTION:	9.0 MJ/h – 180 g/h
INJECTOR SIZE:	0.54 mm

SAFE APPLIANCE LOCATION

CAUTION: ACCESSIBLE PARTS MAY BE VERY HOT. KEEP YOUNG CHILDREN AWAY. USE OUTDOORS ONLY

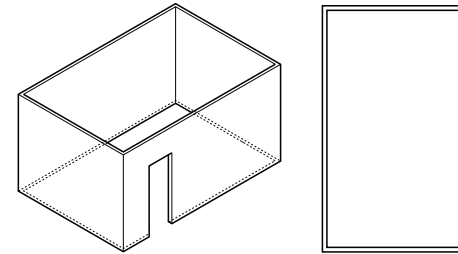
This appliance shall only be used in an above ground open air situation with natural ventilation, without stagnant areas, where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.

Any enclosure in which the appliance is used shall comply with the following:

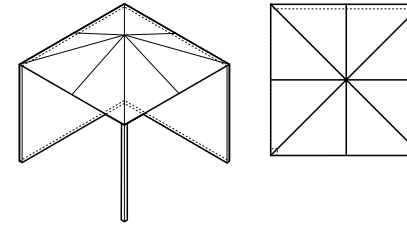
- A) An enclosure with walls on all sides, but with no overhead cover (see Example 1).
- B) Within a partial enclosure that includes an overhead cover and no more than two walls. (see Example 2 & 3).
- C) Within a partial enclosure that includes an overhead cover and more than two walls, the following will apply:
 - 1: At least 25% of the total wall area is completely open.
 - 2: 30% or more in total of the remaining wall side, back and front wall areas is open and unrestricted (see Example 4 & 5).
 - 3: In the case of balconies, 20% or more of the total wall area shall remain open and unrestricted.

DIAGRAMMATIC REPRESENTATIONS OF OUTDOOR AREAS

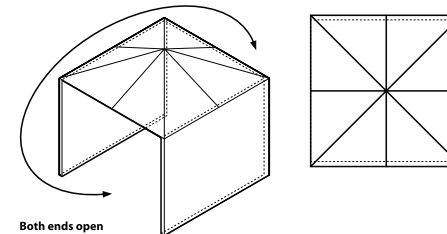
The following figures are diagrammatic representations of outdoor areas. Rectangular areas have been used in these figures – the same principles apply to any other shaped area.



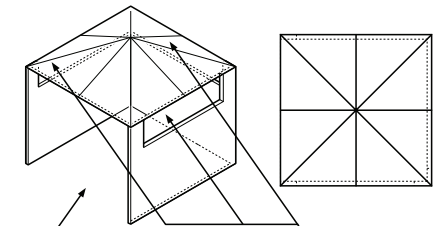
Outdoor Area - Example 1



Outdoor Area - Example 2

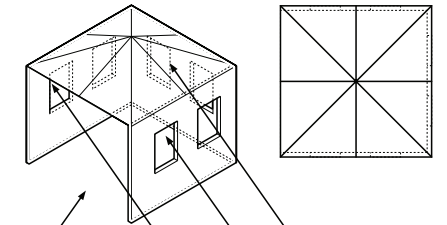


Both ends open



Open Side at least 25% of total wall area
30% or more in total of the remaining wall area is open and unrestricted

Outdoor Area - Example 4



Open Side at least 25% of total wall area
30% or more in total of the remaining wall area is open and unrestricted

Outdoor Area - Example 5

FOR ANY QUERIES OR ASSISTANCE CONTACT:

AUSTRALIA

CUSTOMER SERVICE DEPARTMENT

Email: sales@sitro.com.au

For warranty details visit gasmate.com.au

Keep your purchase receipt, this will be required to make any claims under the 1 year warranty.

NEW ZEALAND

CUSTOMER SERVICE DEPARTMENT

Email: sales@aber.co.nz

For warranty details visit gasmate.co.nz

Keep your purchase receipt, this will be required to make any claims under the 1 year warranty.