



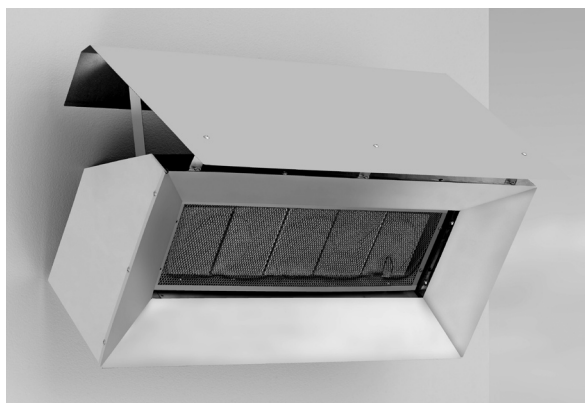
Radiant Ceramic Heater



RH1039 SERIES 3 TILE HEATER

Operates for approximately
15hrs on a properly filled 9kg
propane cylinder

20 MJ/h output



RH1059 SERIES 5 TILE HEATER

Operates for approximately
10hrs on a properly filled 9kg
propane cylinder

33 MJ/h output

FEATURES:

The ideal solution for extending the season
of outdoor entertaining

Direct ignition

Emits infrared heat

Heat surfaces not just air

Consistent heat

Includes heat shield

Complete with hose & regulator

A.G.A certified

FOR YOUR SAFETY

If you smell gas:

1. Shut off the gas to the appliance.
2. Extinguish any open flame.
3. If odour continues, immediately call your gas supplier.

Do not store or use gasoline or other flammable vapour and liquids in the vicinity of this or any other appliance.

WARNING:

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage.

Read the instructions thoroughly before installing or servicing this equipment.

FOR OUTDOOR UNDERCOVER USE ONLY

PROPANE GAS & NATURAL GAS

**THIS APPLIANCE MUST NOT BE
INSTALLED OR USED INDOORS.**

**NATURAL GAS APPLIANCE. TO
BE INSTALLED ONLY BY AN
AUTHORISED PERSON.**

**THE AUTHORISED PERSON WILL
PROVIDE A CERTIFICATE OF
COMPLIANCE.**

**NOTE TO INSTALLER:
TEST OPERATION OF
APPLIANCE BEFORE LEAVING.**

Retain these instructions for future use.

Important: The installer or seller must leave these instructions with the consumer.

Installation, Operation and Maintenance Instructions

INSTALLATION

Important Safety Rules:

- This appliance must only be used in a well ventilated area.
1. This appliance shall not be installed or used indoors, in buildings, garages or any other enclosed area.
 2. **DO NOT** place articles on or against this appliance.
 3. **DO NOT** use or store flammable materials near this appliance.
 4. Children and adults should be alerted to the hazards of high surface temperatures, burns and clothing ignition.
 5. Children should be carefully supervised when they are in the area of the appliance.
 6. **NEVER** hang anything including clothes or other flammable items on the appliance.
 7. **DO NOT** operate this appliance unless it is fully assembled with burner guard in place.
 8. **DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.**
 9. Installation and repair should be done by a qualified service person. The appliance must be inspected before use and at least annually by a qualified service person. It is imperative that control compartment, burners and circulating air passages of the heater be kept clean.

3. Proper clearance from combustible materials must be maintained at all times. The minimum clearances are as follows:

Minimum Clearance from Combustibles:			
Side	500 mm	Rear	500 mm
Ceiling	500 mm	Below	500 mm

Combustible materials are considered to be wood, compressed paper, plant fibres, plastic, plexiglas or other materials capable of being ignited and burned. Such materials shall be considered combustible even though flame proofed, fire-retardant treated or plastered. Additional clearance may be required for glass, painted surfaces and other materials which may be damaged by radiant or convection heat.
 4. Heaters must be placed on a level and adequate footing and be readily accessible.
- ### PROPANE GAS
5. The gas manifold supply pressure must be regulated at 2.75 kPa utilising an AGA approved regulator (supplied with heater).
- ### NATURAL GAS
6. The gas manifold supply pressure must be regulated at 1.0 kPa utilising an AGA approved regulator.
 - a. The appliance area must be kept clear and free of combustible materials, gasoline and other flammable vapours and liquids.
 - b. Gas orifices and burner must be kept clear of dirt and cobwebs. Flow of combustion and ventilation air to the heater must not be obstructed. Cleaning with a soft brush before use and at least every six months is recommended.
 - c. All gas connections should be checked for leaks utilising a soap solution. Never use a flame for this purpose.
 - d. The flame pattern should be visually checked whenever heater is operated.
If flames extend beyond the mesh
or black spot is accumulating on the mesh
the heater should be turned off
immediately. The heater should not be operated again until the unit is serviced and or repaired.
 - e. Any cleaning agent used on the heater should be of a non-combustible and non-corrosive nature.

Installation, Operation and Maintenance Instructions

7. The hose must be protected from contact with hot or sharp surfaces both during use and while in storage. The hose assembly should be visually inspected prior to each use of the heater. If excessive abrasion or wear is evident, or the hose is cut, it must be replaced prior to operating the heater. The replacement hose assembly may be obtained from the manufacturer.
8. **DO NOT** use any pressure regulator or hose assembly other than those supplied with the appliance. Replacement pressure regulator and hose assembly must be those specified. Replacement parts may be obtained from the manufacturer or your local sales representative.
9. Installation and use of this heater must conform with local codes or, in the absence of local codes, with the Standards of Storage and Handling of Liquefied Petroleum Gases.
10. This heater is designed to operate with a standard 9Kg propane cylinder with Approved Cylinder Connection.
11. The valve outlet must be maintained in good condition. When the cylinder is not in use, be sure to cover it with a dust cap. A leak test should be performed with soapy water whenever connecting a new cylinder. **NEVER** use a match to test for leaks.
12. The propane cylinder must be turned off whenever the heater is not in use. When the heater is to be stored indoors, the propane cylinder and the heater must be disconnected and the cylinder stored in accordance with the Standard for Storage and Handling of Liquefied Gases.

Any modification to the heater not described in the installation instructions may compromise the safety of this appliance. Special concern is as follows:

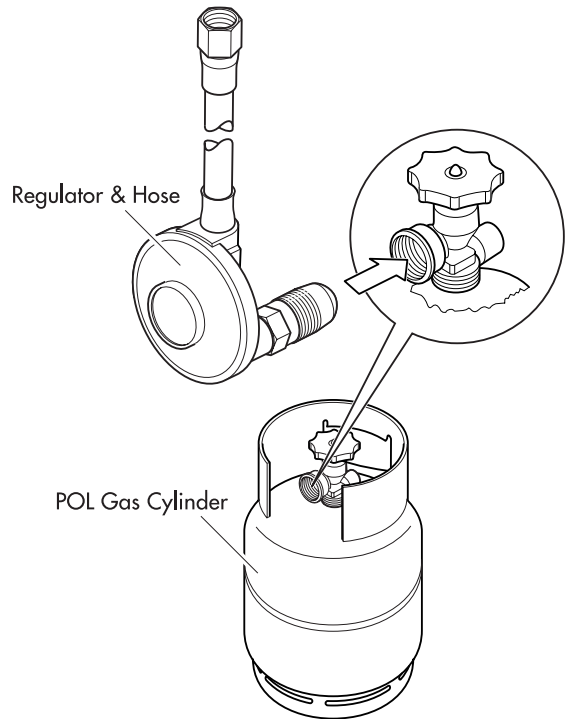
- (1) **DO NOT** bypass thermocouple safety burner;
- (2) **DO NOT** operate heater without the guard;

Clothing or other flammable materials should not be hung from the heater, or placed on or near the heater. The area above the burner may be extremely hot. Direct contact with these metal surfaces should be avoided in order to prevent burns or clothing ignition.

DO NOT locate either the gas or any electrical supply lines directly over the top of the heater, as overheating may occur.

The Heater must be installed in a location such that it is readily accessible for servicing and have no restriction of air flow to the air inlet of the heater's casing.

POL CYLINDER CONNECTION DEVICE



(Cylinder not included)

Screw the coupling nut of regulator into the cylinder valve outlet.

3 TILE RADIANT HEATER

Type of Gas	Propane	Natural Gas
Consumption	20 MJ/h	20 MJ/h
Operating Pressure	2.75 kPa	1 kPa
Injector Size	0.7 mm	1.18 mm

5 TILE RADIANT HEATER

Type of Gas	Propane	Natural Gas
Consumption	33 MJ/h	33 MJ/h
Operating Pressure	2.75 kPa	1 kPa
Injector Size	0.7 mm	1.18 mm

Heater specifications can be found on the data label.

Installation, Operation and Maintenance Instructions

ESSENTIAL INFORMATION

SGA will void any warranty applicable to the product if any component of the patio heater is tampered with, or altered. To have these units altered or serviced by an unauthorised person may render the product inefficient, and at worst dangerous.

SERVICING INSTRUCTIONS

Appliances should be serviced at least annually and servicing must only be carried out by a Licensed Plumber or Authorised Person.

1. Remove Guard from Burner Housing.
2. Clean the Burner Ports and top with a Soft Brush.
Inspect and clean all combustion air inlets.
3. Clean thermocouple tip and spark igniter using a soft wire brush.
4. Check operation of the igniter and the thermocouple.
Should new parts be required contact the Supplier or Sitro Group Australia.

INSTALLATION

Natural Gas Heaters must be installed by an Authorised Person.

Brackets for suspended installation must be permanently fixed to a solid structure.

Positioning of both floor mounted and suspended heaters must maintain required clearances.

i.e. 500mm above, 500mm on all sides and 500mm below the heater emitter mesh.

It is a Standards Australia requirement that an approved metal tube such as copper or galvanized steel or an AGA certified stainless steel braided hose assembly be utilised to convey gas to the burner head, and must be installed by an authorised person, i.e. licensed plumber.

A Natural Gas Patio Heater is not designed for relocation to varying locations, so the most preferable permanent location should be selected prior to installation.

CARE

We strongly recommend the use of a cover to protect your heater when not in use.

All heaters must have the burner head covered when not in use. This will prevent blockages occurring, which may lead to the heater not igniting when required for use on the next occasion, or causing the burner not to function efficiently.

Such blockages can be caused by the accumulation of dust on various components in the burner head and by spider webs. Covering the burner head will also assist in reducing the weathering effects of the outdoors, as well as corrosion from airborne chemicals and sea spray.

HEATER ASSEMBLY

NOTE: Recommended clearances *must* be maintained.

*** Remove transit protection material.**

TOOLS REQUIRED: Drill
10mm masonry drill bit
Adjustable spanner
Phillips head screwdriver

STEP 1.

Firmly attach the mounting bracket using expanding fasteners to a solid wall.

STEP 2.

Connect an AGA certified stainless steel braided hose to the head. Where a hose assembly is to be used to connect an appliance it must comply with AS5601 Gas Installations pipe sizing tables and shall not exceed 3 metres in length. The internal diameter of the hose must not be less than 15mm.

STEP 3.

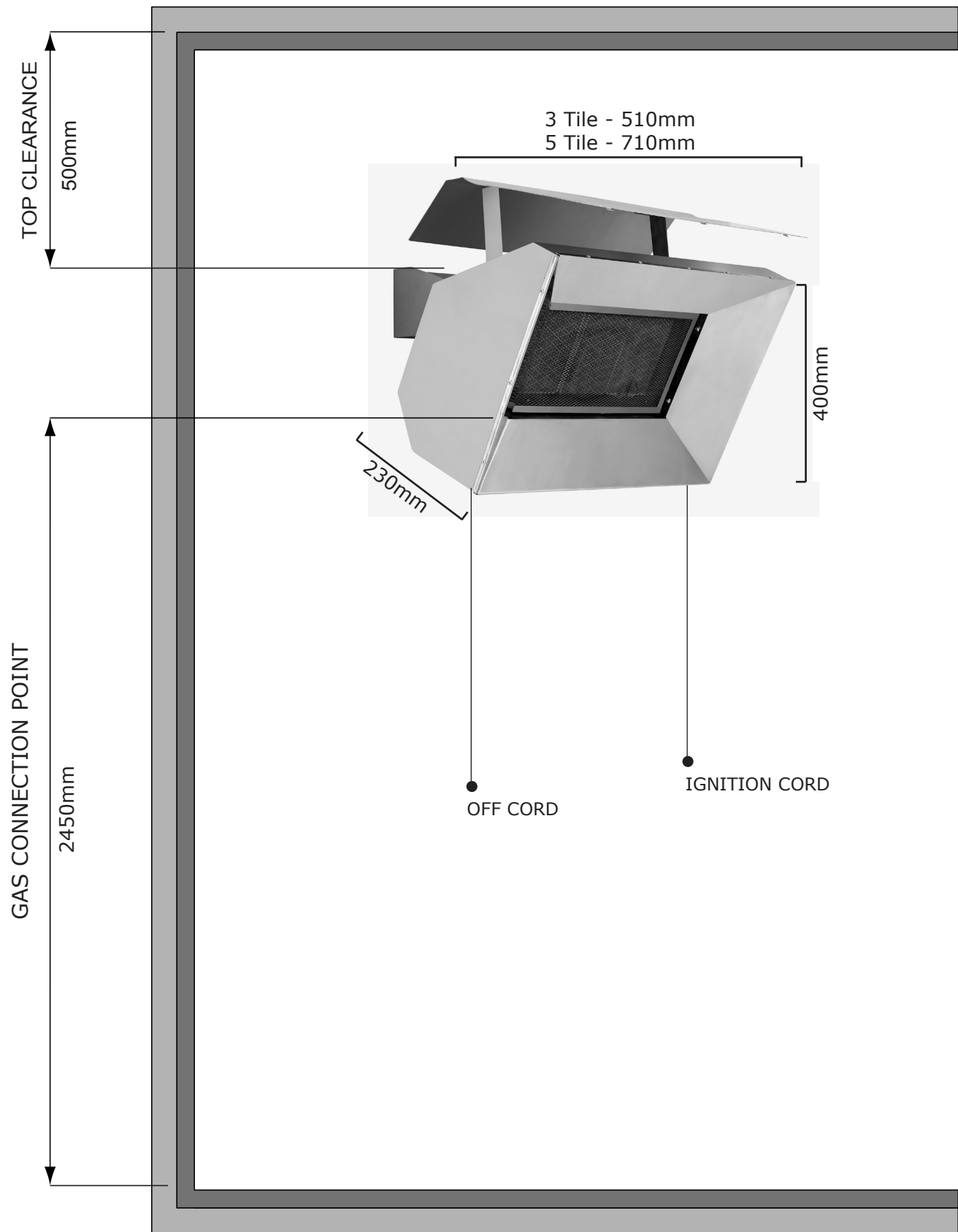
Attach the natural gas regulator between the manual shut off valve of the supply line and the heater gas hose or pipe and set the outlet pressure at 1kPa.

GAS PIPING

1. Where it is not practical to install solid tube an AGA certified stainless steel braided hose can be installed. This hose assembly must comply with AS5601-2004 Gas Installations, pipe sizing tables and shall not exceed 3 metres in length. The internal diameter of the hose must not be less than 15mm.
2. Check with local and state plumbing and heating codes regarding sizing of the gas lines.
3. All gas pipe connections to the heater(s) must be sealed with a gas pipe compound resistant to Natural Gas.
4. Installation of a drip leg if required in the gas supply line going to each heater must conform to AS 5601.
5. When checking for gas leaks, do not use an open flame. Use a soap and water solution and check for bubbles indicating gas leakage.
6. Installation of 1/8" NPT plugged tapping, accessible for test gauge connections, is required upstream of the gas supply connection to the heater.

RADIANT TILE HEATER - For Outdoor Use Only

Minimum Clearance from Combustible Surfaces*:



*Combustible materials are considered to be wood, compressed paper, plant fibres, plastic or other materials that are capable of being ignited and burned.

TEST FIRING HEATER

Test fire heater, following the lighting instructions. Leak test all gas connections with soapy water. Soap bubbles indicate gas leakage. **DO NOT** use a match to test for gas leaks.

WARNING: White smoke may appear around the radiant head during the first minute of the initial firing.

TROUBLE SHOOTING

Problem	Possible Causes
Main burner won't light	<ul style="list-style-type: none">No gasLow gas pressureBlockage in orifice

Note: If the appliance cannot be adjusted to perform correctly it should not be used until serviced or repaired.

Warning: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Any modifications or adjustments made to product without prior authority from the manufacturer will void any warranty claims. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

LIGHTING INSTRUCTIONS

Warning: White smoke may appear around the radiant head during the first minutes of the initial firing.

Step 1.

Connect the hose and regulator and open the cylinder valve.

Step 2.

Firmly pull the ignition cord and keep it depressed.

Step 3.

Check for flame at the burner. If burner does not light try again. Several attempts may be necessary.

Step 4.

With the burner alight keep cord depressed for 15 seconds.

Step 5.

To turn heater off, pull the OFF cord. Several attempts may be necessary.

SAFE APPLIANCE LOCATIONS

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 one of the following:

An enclosure with walls on all sides, but at least one permanent opening at ground level and no overhead cover (see Example 1).

Within a partial enclosure that includes an overhead cover and no more than two walls (see Example 2 & 3).

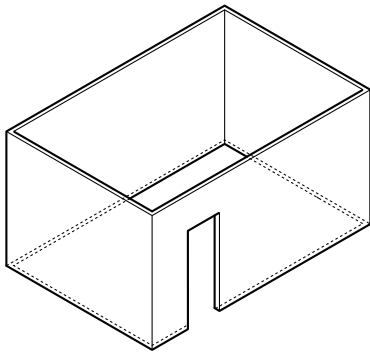
Within a partial enclosure that includes an overhead cover and more than two walls, the following will apply:

at least 25% of the total wall area is completely open, and

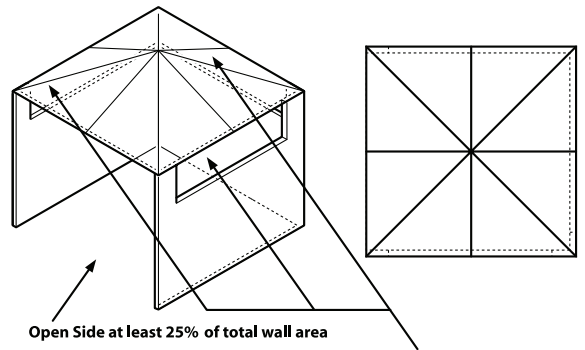
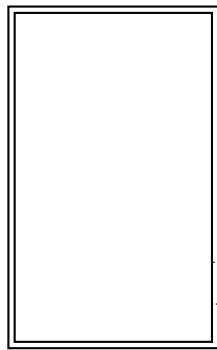
at least 30% of the remaining wall area is open and unrestricted (see Example 4 & 5).

In the case of balconies, at least 20% of the total wall area shall be and remain open and unrestricted.

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.



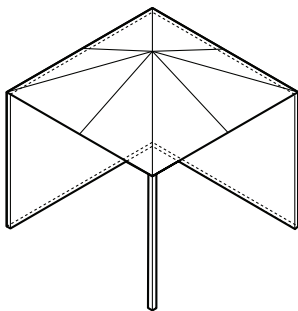
Outdoor Area - Example 1



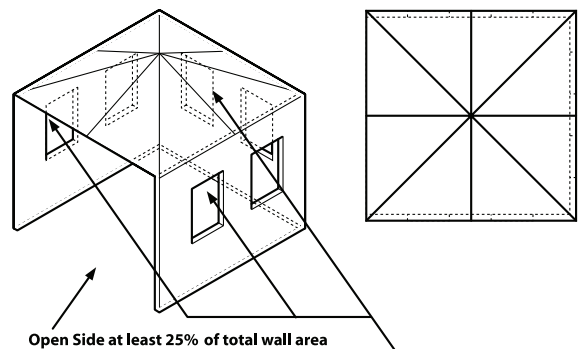
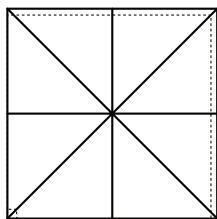
Open Side at least 25% of total wall area

30% or more in total of the remaining wall area is open and unrestricted

Outdoor Area - Example 4



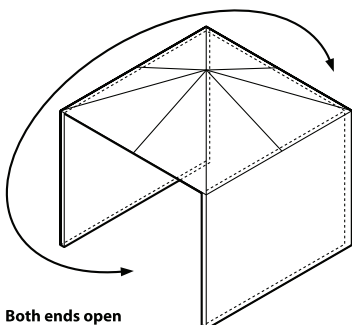
Outdoor Area - Example 2



Open Side at least 25% of total wall area

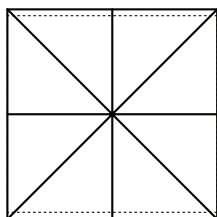
30% or more in total of the remaining wall area is open and unrestricted

Outdoor Area - Example 5



Both ends open

Outdoor Area - Example 3



Gasmate® is a registered trademark of:

Sitro Group Australia Pty Ltd
AberGas Ltd - Hamilton, N.Z

www.sitro.com.au
www.abergas.co.nz