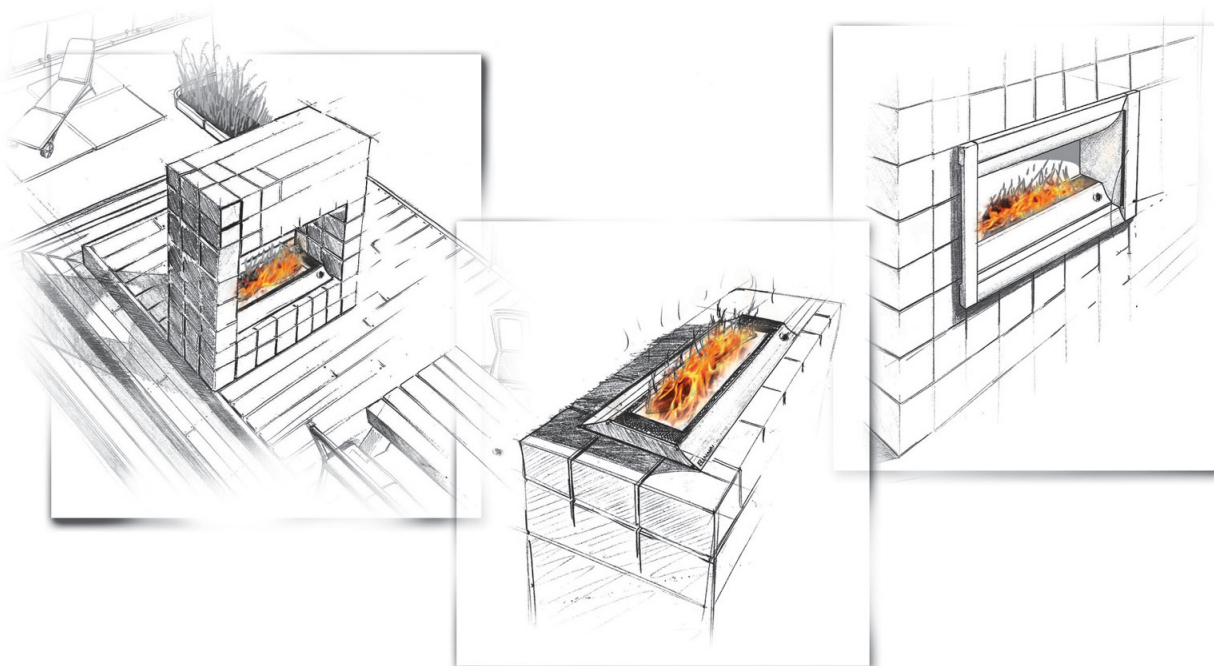


Installation and Operation Manual



For Outdoor Use Only

This appliance shall not be installed/used indoors or installed into an exterior wall of a dwelling.

- Appliance must be installed in accordance with these instructions and all applicable local rules and regulations
- Installations using a 9 kg LPG bottle connection can be completed by the homeowner
- Installations for fixed NG and LPG connections **MUST** be completed by a certified gas fitter
- Please retain this manual for future reference



LIMITED WARRANTY

Rinnai Outdoor Fire

Rinnai brings you peace of mind
with a 2 year minimum warranty.

TERMS AND CONDITIONS

1. During the 24 month period from date of purchase and subject to clauses 2 and 3 below, Rinnai New Zealand Limited ("Rinnai") will, at its own discretion, either replace or repair any defective product at no charge to the customer.
2. This warranty covers manufacturing defects only. This warranty will not apply if (for example) the product has been improperly installed or is otherwise installed contrary to manufacturer's recommendations, has been damaged during or after installation, has not been operated in accordance with operating instructions, or has been subjected to damage or abuse beyond that expected from conditions of normal use.
3. Warranty claims may be invalid if not accompanied by details of the installing or supervising gas fitter's registration number and the gas fitting certification number.
4. This warranty commences from the date of purchase. Proof of purchase is required at the time of any warranty claim.
5. Servicing of the product is to be carried out by a Rinnai authorised service centre.

All Rinnai appliances meet or exceed the safety standards required by New Zealand gas and electrical regulations. The company is constantly improving its products and as such specifications are subject to change or variation without notice.

Please keep these instructions in a safe place for future reference.

RECORD AND ATTACH YOUR PROOF OF PURCHASE BELOW:

Your Retailer: _____

Name: _____

Address: _____

Telephone: (_____) _____

Date of Purchase: _____ / _____ / _____

Rinnai

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WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life.

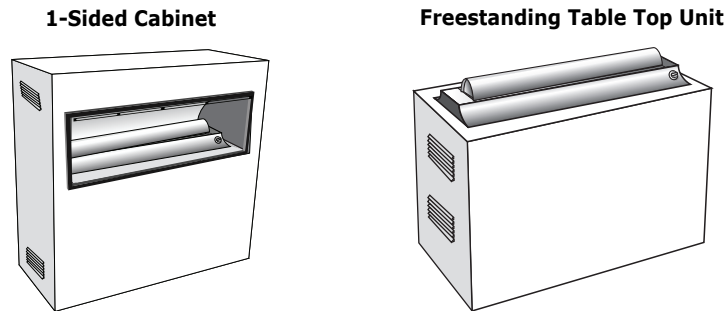


For assistance or additional information consult an authorised person or Rinnai on 0800 RINNAI (0800 746 624).

Introduction

Designed to impress

No two outdoor living areas are ever quite the same, with this in mind the Rinnai Impression Outdoor Fire has the design flexibility to be installed in a range of configurations. Choose to compliment your own outdoor living area with an open see-through unit, a freestanding table top unit, a freestanding table top or a 1-sided cabinet, all producing optimum radiant heat.



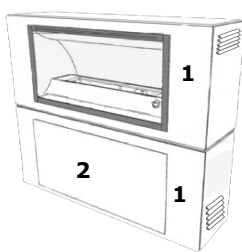
The Rinnai Impression Outdoor Fire requires no flue and is designed for outdoor use only.

Stainless steel, aluminium extrusion, natural granite and quartz have been incorporated for their durable properties and to provide an enhanced look to what could be an average stainless steel box. A high temperature powder coat finish has also been used in some areas to provide a double layer of protection.

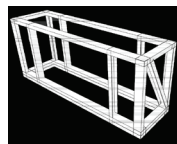
Steel frame consoles

For ease of installation, Rinnai has also developed steel frame console modules. This framing can reduce installation time as well as provide design flexibility for any outdoor area. The console modules are available as accessory items.

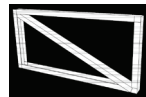
Base and Door Modules



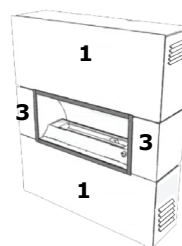
1. Base Module (R2632)



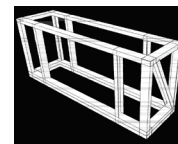
2. Door Module (R2631)



Base and Spacer Modules



1. Base Module (R2632)



3. Spacer Module (R2633)



This manual has been written to:

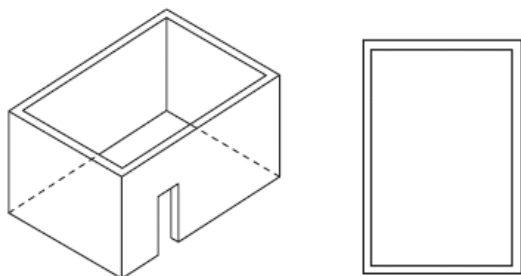
- Highlight the safe operation, positioning and installation of this appliance
- Provide useful advice on servicing, maintenance and troubleshooting to ensure optimum performance of your Rinnai Impression Outdoor Fire

Definition of an outdoor area

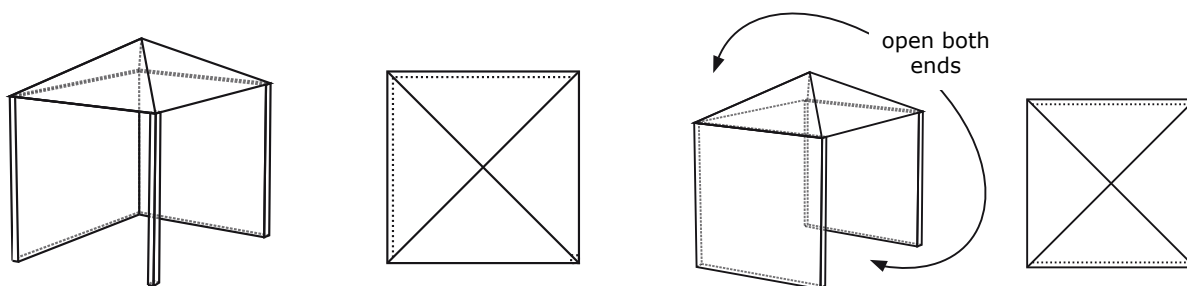
This appliance shall only be used in an above ground open air situation with natural ventilation, without stagnant areas, where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.

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

- With walls on all sides, but at least one permanent opening at ground level and no overhead cover

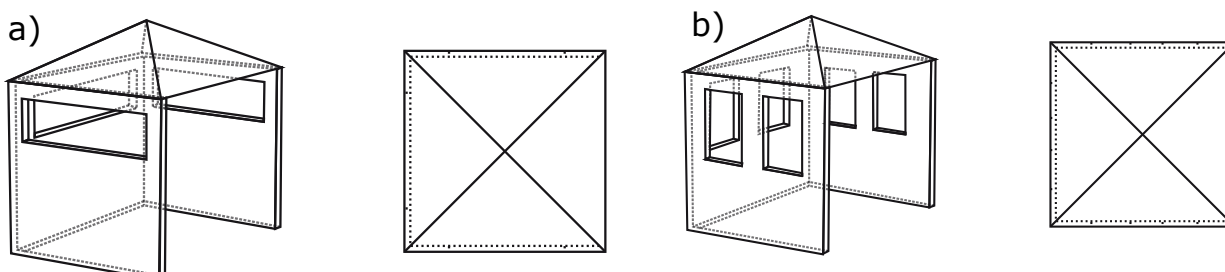


- With a partial enclosure that includes an overhead cover and no more than 2 walls



- Within a partial enclosure that includes an overhead cover and more than 2 walls, the following shall apply:

- a) at least 25% of the total wall area is completely open
- b) at least 30% of the remaining wall area is open and unrestricted



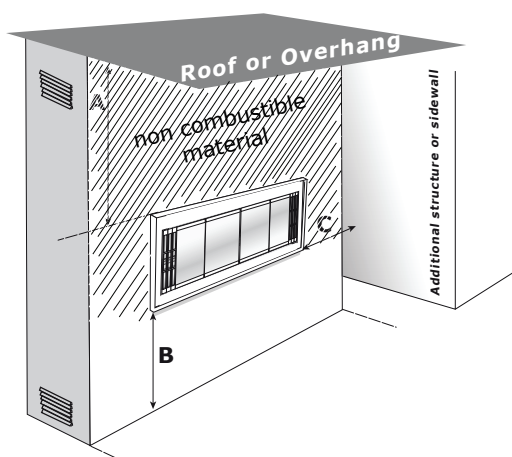
- In the case of balconies, at least 20% of the total wall area shall be and remain open and unrestricted

Appliance location

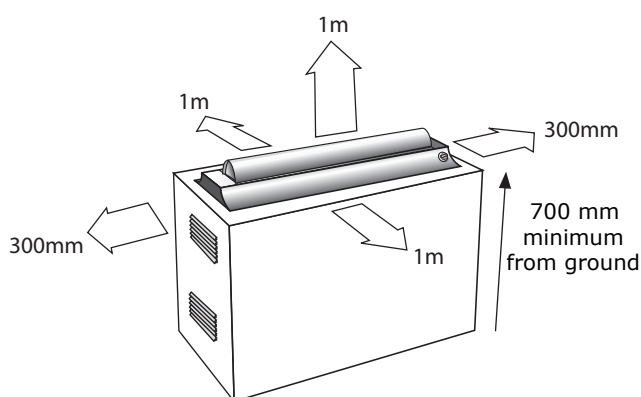
The Rinnai Impression Outdoor Fire must be installed as a permanent fixture in an outdoor area. It must not be installed into an exterior wall of a dwelling.

Considerations such as trees, neighbours, protection from direct rain and sea spray, openable windows, gas supply and clearances from combustibles will influence where you can position the appliance. Location will also be dependent on the type of unit purchased and if installing into a combustible cavity.

General clearances for inbuilt unit



General clearances for freestanding unit



Structure	Clearance Required	Additional Detail
Below Eaves, Balconies or other Projections (A)	1000 mm	If the projection is a shade cloth or material awning then this is deemed as a combustible material and the recommended clearance is 1500 mm.
From the Ground or Other Surface (B)	100 mm cabinet 700 mm freestanding	Ground level to bottom of fireplace. For optimal viewing while standing or sitting it is recommended to position between 600-800 mm from the ground. If installing the cabinet option at a lower level, remember to allow enough room for the gas connection underneath.
Walls (C)	500 mm	Side of unit to side wall.
Gas and Electricity Meters	1000 mm	
Drain or Soil Pipe	150 mm	
Openable Windows and Doors	500 mm	From an openable window, door or non mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation.
Mechanical Air Inlet	2000 mm	For example: air conditioning unit.

Mantles or protrusions

CAN NOT be installed above the unit if any part of the surround is made of combustible material. If installing into a non combustible surround the mantle/protrusion must also be non combustible.

1 m safe distance for fixed objects

Fixed objects such as outdoor furniture, umbrellas and plants should be at least 1 m away from the unit when it is in operation.

Installation specific clearances

Additional clearances also need to be observed for specific installation applications, these are detailed on pages 11 and 13.

Ensure clearance for servicing

Ensure enough room is maintained around the appliance for servicing, cleaning and general access.

9 kg LPG bottle location and positioning

For your safety there are strict requirements governing the use and location of gas cylinders. LPG is heavier than air and will accumulate at low levels. Your gas cylinder enclosure should be designed to stop this occurring.

The following cylinder information is taken from the New Zealand Gas Installation Standard NZS 5261:2003 and has been adapted for use in this manual by Rinnai NZ Ltd.

G2.1 *Prohibited locations*

Cylinders should not be installed in the following locations:

- In an inaccessible location
- Under a stairway
- In a location where there would be no air movement across the cylinder
- In a position that would obstruct egress from a building
- Buried below ground level
- Where damage is likely to occur, unless adequate protection is provided

G3.2 *Support*

Cylinders should not be supported by other cylinders.

Cylinders should be installed on supporting bases that are firm, level, of non-combustible material and with a finished surface that is drained and at least 50 mm above the surrounding surface. Soil is not an acceptable supporting base.

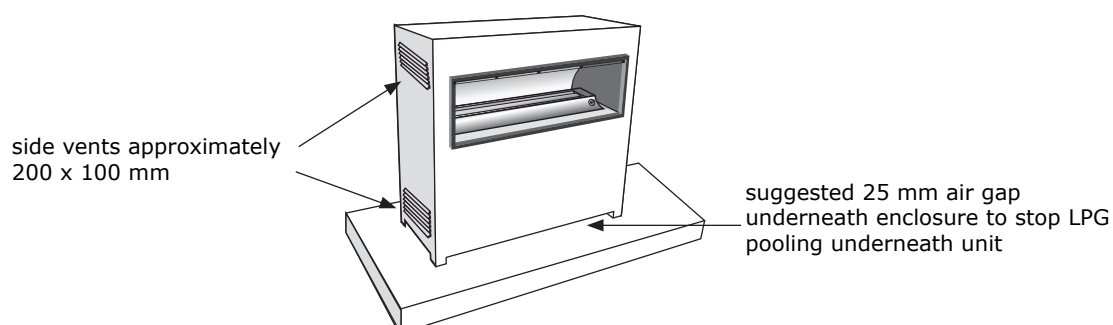
G3.4 *Cylinders in an enclosure or recess*

Where a cylinder is to be installed in an enclosure or recess, the enclosure or recess should be designed to:

- (a) House cylinders and their associated equipment only
- (b) Allow free unimpeded discharge from each cylinder safety valve
- (c) Ensure that water will not accumulate on the base, and
- (d) Ensure the cylinder and its associated equipment are clear of surrounding soil

Enclosures must have ventilation openings at the top and bottom with each opening providing the equivalent of 200 x 100 mm for every cylinder enclosed. We also suggest a 25 mm gap at base level to stop LPG gas pooling underneath the unit.

Rinnai Suggestion - Enclosure Design for Gas Cylinder Ventilation



General information

Before installation

Unpack the appliance and components including hose and regulator and check for damage. DO NOT install any damaged items.

Check all components have been supplied, refer components on Installation Options page and if applicable separate kit component pages of accessory instructions.

Read these instructions to get an overview of the steps required before starting the installation or using the appliance. Failure to follow these instructions could cause a malfunction of the appliance. This could result in serious injury and property damage.

Cladding and finishes

The Rinnai Impression Outdoor fire surround can be clad and coated with a range of different materials. Guidelines have been developed on page 19.

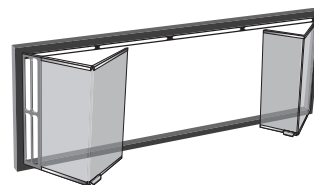
These are guidelines only. It is up to the installer to seek advice from the cladding supplier as to the correct application and specification of the material.

The temperature above the unit can get up to 150 °C. This may discolour some paint finishes. Rinnai accepts no responsibility for deterioration of cladding or finishes.

Door assembly

Offers wind protection when the unit is on and when not in use protection from wind, rain and nesting animals.

This assembly (purchased as an accessory item) is comprised of tempered glass double bi-fold doors with stainless steel surrounds and fixings.



It is suitable for cabinet installations and installations using cladding and finishes that can withstand temperatures up to 150 °C.

Fixed LPG and NG connections

Installations for fixed NG and LPG connections must be completed by a certified gas fitter.

Fixed LPG connection

A $\frac{3}{8}$ " BSP fixed connection is also supplied with the unit. This connection is for installations connected to a permanent fixed LPG connection (that supplies gas to other appliances in the premises).

Natural Gas connection

In order to convert to Natural Gas a conversion kit is required. This can be purchased as an accessory item and MUST BE installed by a certified gas fitter.

General information

Gas consumption

Input high to low, 45-25 MJ/h (ULPG, Universal LPG)

Maintenance

For safe operation of the fire it is important that the control compartment (pilot cover), burner and circulating air passageways are kept clean. This is to stop the gas injectors from getting clogged. This can be done by ensuring debris is kept clear from the fire, that the burn media has been installed correctly and the appliance is regularly serviced by an authorised person.

Generally your outdoor fire needs very little maintenance to keep it looking good and working efficiently. All parts of the unit can be cleaned using a soft, damp cloth and mild detergent.



Do not attempt to clean the appliance while it is hot or operating. DO NOT USE abrasives or solvents.

- Salty environments, clean regularly using water to prevent corrosion spots
 - Black soot on stones, sooting spots can be removed using water
 - Exhaust gas staining above the unit, in most cases this can be removed with water and a brush
-

Rain protection



Outdoor fires are not fully weatherproof and should not be directly exposed to rain. A burner/rain cover has been provided with the unit to protect the burner and burn media when not in use. Remember to remove the cover before starting the appliance.

It is recommended when positioning the appliance, that it is in a location that is protected/covered to prevent full exposure to rain.

Servicing



Rinnai has a service and spare parts network with personnel who are fully trained and equipped to give the best advice on your Rinnai appliance. If your appliance needs servicing, please call Rinnai (0800 746 624) and select option 1 for a Service Centre in your area.

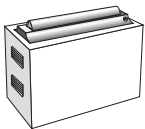
For reliable operation Rinnai Flame Fires should be serviced every 2 years. This service will include; the fire and pilot being stripped and cleaned and fire performance checked.

Regular servicing is not covered by the Rinnai warranty.

Do not attempt to carry out any service work other than that mentioned in the troubleshooting section. If you have any other faults or problems, please refer to your installer or contact Rinnai.

Installation options and unit dimensions (mm)

The Rinnai Impression Outdoor Fire is designed to be built as a permanent fixture. The below table details installation options, components needed and optional accessories.

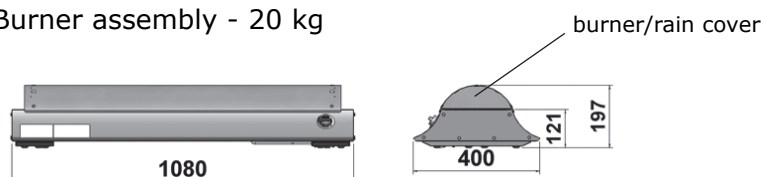
Installation Options				
Components Needed	Freestander	Open 1-sided Cabinet	Open See-Through Cabinet	Non-combustible Enclosed Masonry
				
Burner Assembly LPG (ROF4500MDBL)	✓	-	-	✓
1-Sided Burner/ Body Assembly LPG (ROF4501MDBL)	-	✓	-	✓ ₁ OR
2-Sided Burner/ Body Assembly LPG (ROF4502MDBL)	-	-	✓	✓ ₁ OR
Optional Accessories				
Glass Bi-Fold Door Assembly ² (R2612)	-	✓	✓	✓ ₃
LPG-NG Conversion Kit (R2613)	✓	✓	✓	✓
Console Door Module (R2631)	✓	✓	✓	-
Console Base Module (R2632)	✓	✓	✓	-
Console Spacer Module (R2633)	✓	✓	✓	-

¹ If attaching the door assembly you need to select either the 1 or 2-sided burner/body assembly.

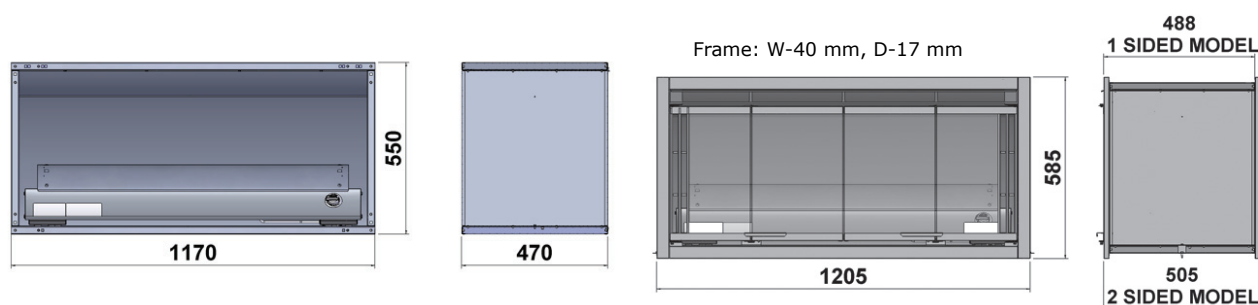
² Suitable for installations using cladding and finishes that can withstand temperatures up to 150 °C. Sold as 1 set.

³ Door assembly fixes to the cabinet frame of the Rinnai Impression Outdoor Fire, so is only suitable for installations where a cabinet (also called a body assembly) has been installed.

Burner assembly - 20 kg



Burner and body assembly - 50 kg (not inclusive of door assembly shown)

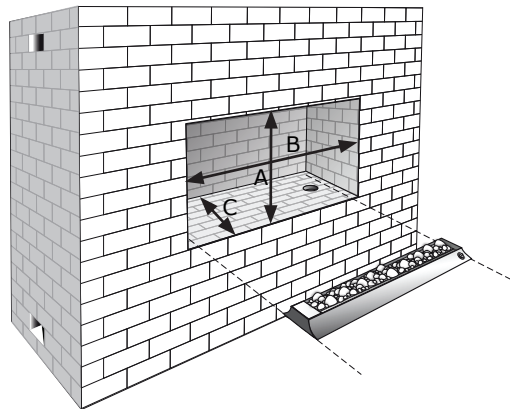


Freestanding and enclosed masonry installations

Prepare surround

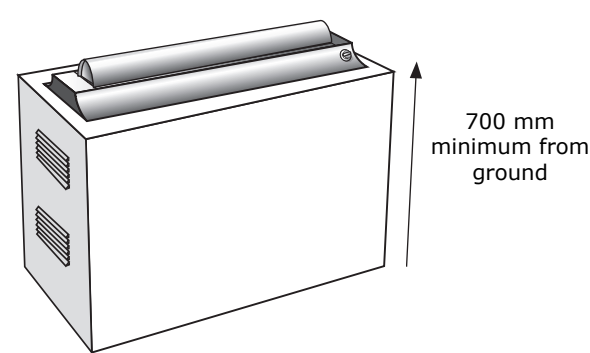
Construct surround to specific installation dimensions as shown.

Non-Combustible Enclosed Masonry Installation



	Minimum Dimensions (mm)
A	555
B	1175
C	470

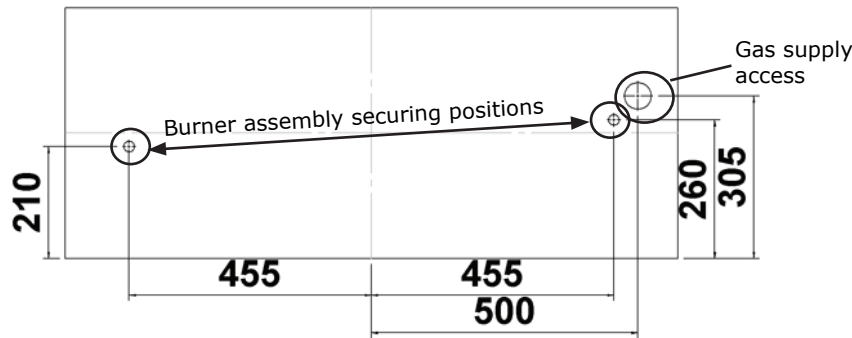
Freestander Unit Installation



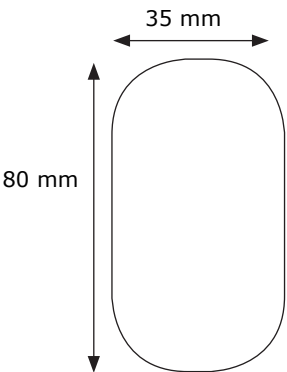
Allow for gas connection opening

Prepare a gas connection opening underneath the gas supply access position detailed in the image below. Ensure the opening is large enough for the flexible connection to fit through. A suggested hole size is detailed below.

Gas Positioning



Suggested Size for Gas Connection Opening



Clad surround

Clad and finish surround using guidelines on page 19.

Freestanding and enclosed masonry installations

Install burner assembly and granite pieces

Installing the fire last minimises debris and building material entering the unit during construction.

Installing the burner assembly is the easiest step. Unpack the assembly and fix into place with fasteners supplied, bend the flexible gas connection hose down through the base of the appliance and surround and fit the granite pieces into place.

Non-combustible enclosed masonry installation If you are installing a body/burner assembly (as doors are being fitted), please refer instructions on following pages.

Install burn media and complete gas connection

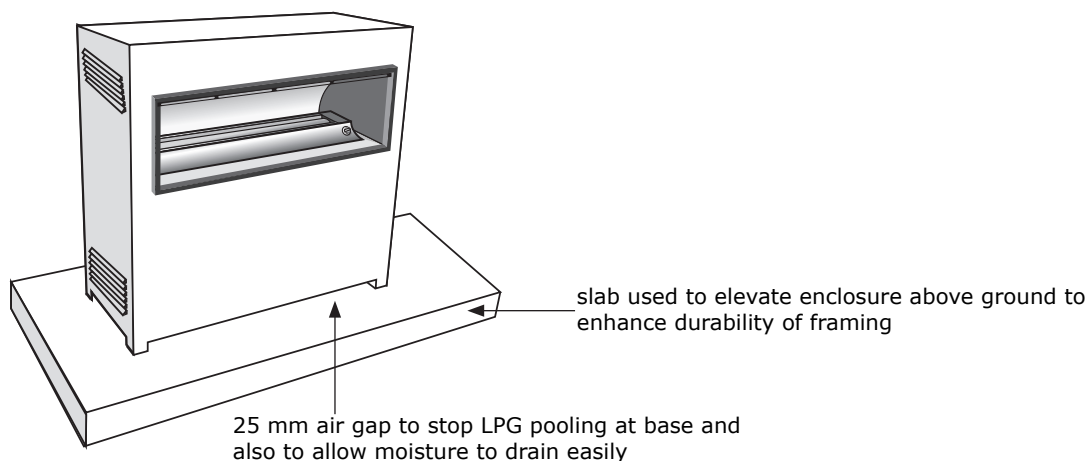
This is common to all installations, refer pages 17-18.

Cabinet installations

Prepare framing

Construct framing to specific installation dimensions shown.

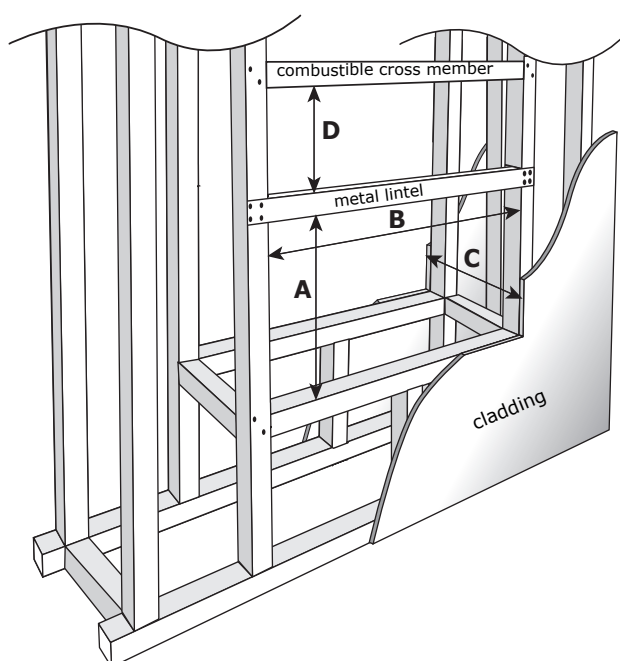
To enhance the durability of the framing we suggest the frame is mounted on a paved slab 250 mm (above unpaved ground) and 150 mm (above paved ground). We also recommend having a 25 mm air gap to stop LPG pooling and to allow moisture to drain easily from the enclosure.



The minimum clearances to combustible framing materials are:

- above 500 mm
- side 25 mm
- below 0 mm
- behind 30 mm (1-sided cabinet)

For the Open See-Through Cabinet you will need to observe these clearances on both faces.



A	= 555 mm
B	= 1225 mm*
C (2 sided)	= 470 mm**
C (1 sided)	= 500 mm**
D	= 500 mm***

* Includes 25 mm side clearances

** Includes cladding (for 1-sided unit 500 mm dimension measures front cladding only)

*** If due to design this dimension required to be <500 mm, you will need an additional steel lintel. This can be ordered as a spare part from Rinnai.

Cabinet installations

Attach metal lintel and angled clearance brackets

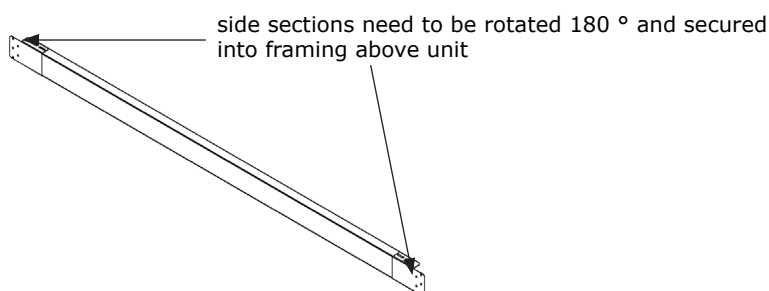
Impression Outdoor Fire cabinet options are supplied with a metal lintel and angled clearance brackets. These are required for installations where combustible framing is used.

- Metal lintels Open 1-Sided Cabinet (1), Open See-Through Cabinet (2)
- Angled clearance brackets Open 1-Sided Cabinet (4), Open See Through Cabinet (4)

Metal lintel Designed to sit above the unit and replace combustible framing in areas exposed to high temperatures. The minimum distance above the unit to a combustible frame is 500 mm.

To fit:

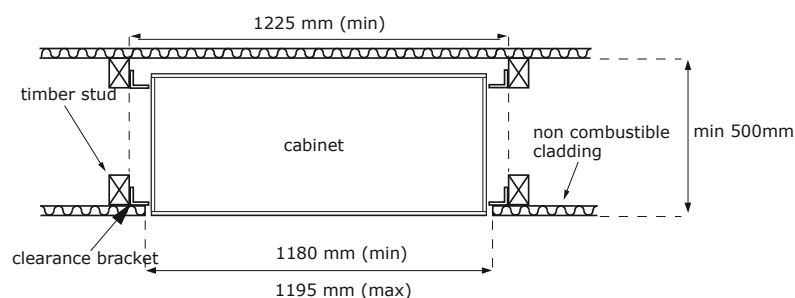
1. Take out and undo 4 fastening screws at either end.
2. Flip side sections 180 ° and loosely refit screws.
3. Adjust to desired length before tightening.



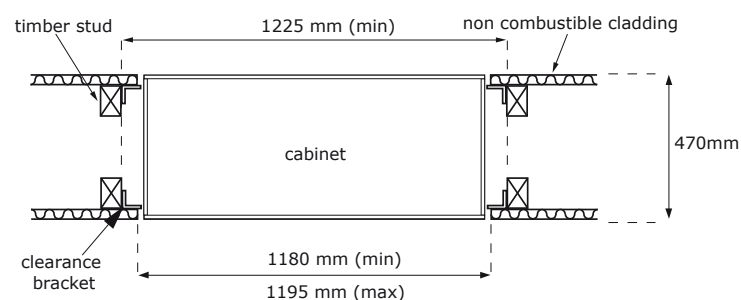
Angled clearance brackets

Designed to ensure combustible framing is greater than 25 mm from the sides of the unit as shown.

Top View - Open 1-Sided Cabinet



Top View - Open See-Through Cabinet



Cabinet installations

Attach metal lintel and angled clearance brackets continued

Angled clearance brackets

To fit:

1. Measure distance between studs to ensure clearances are adequate, horizontally and vertically.
2. Screw clearance brackets to inner side of stud.
3. Ensure flat face of the clearance bracket is facing out as per diagrams on previous page.

Clad surround

Clad surround using guidelines on page 19.

Install doors if applicable

If doors have been purchased you will need to install these before the body/burner assembly. Refer to Door Assembly Installation Instructions.

Install body/burner assembly and granite pieces

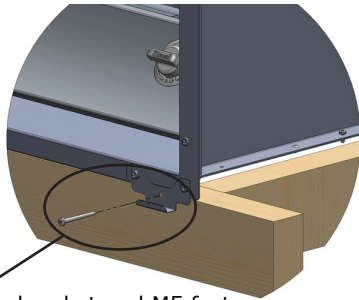
Installing the fire last minimises debris and building material entering the unit during construction. With a cabinet option the body and burner come pre-assembled. Simply unpack, slide into enclosure and fit granite pieces into place.

Cabinet installations

Attach mounting brackets

The mounting brackets have 3 functions; to secure cabinet to enclosure, to act as seismic restraints (bottom brackets only) and to connect the outer steel frame to the cabinet.

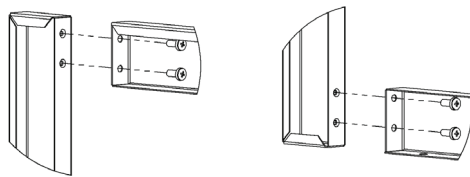
Using the M5 button head bolts supplied, fasten the 4 frame mounting brackets to the body assembly.



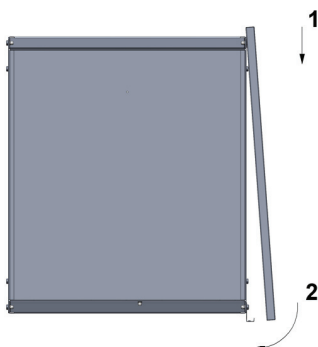
Mounting bracket and M5 fastener

Install steel frame

1. There is a top and bottom to the steel frame with the top having a return fold. The installation is completed using 2 sets of M4 nuts, bolts and washers supplied.



2. The frame hooks over the upper brackets and then swings in at the bottom. Using the 2 self tapping screws supplied fasten through the underside of the lower frame into lower mounting brackets.



Install burn media and complete gas connection

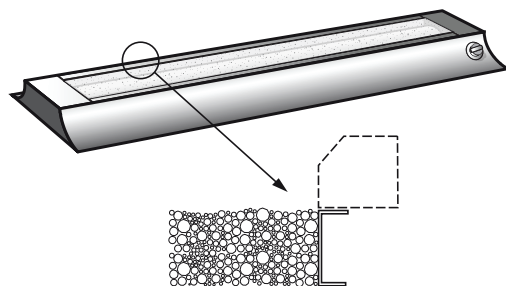
This is common to all installations, refer following pages.

Installing the burn media

Layer 1 - pumice

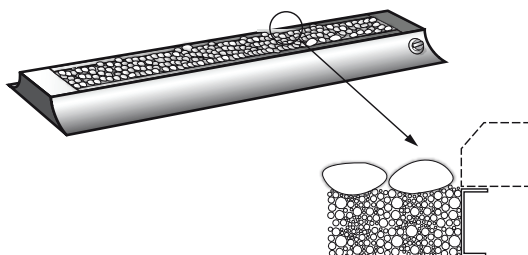
Fill the burner tray with pumice and level to the bottom of the granite trims. Not all the pumice will be needed as more has been supplied than necessary.

Avoid pouring as dust particles can clog the burner.



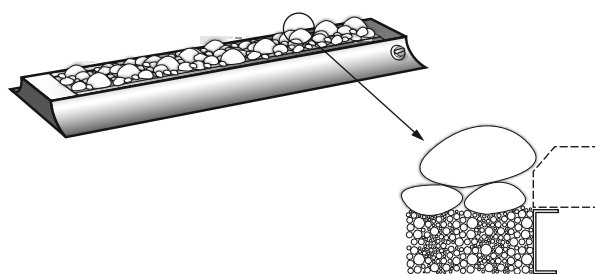
Layer 2 - single layer of small quartz

Using all the small quartz provided, place a single layer of small quartz stones covering the entire top of the pumice.



Layer 3 - single layer of 14 pieces of large quartz

Place the 14 pieces of large quartz stone on top of the small quartz. DO NOT stack.



Warning

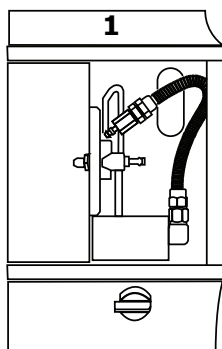
Installation of the burn media is critical to the correct operation of the Outdoor Fire. Please note in each step the height at which the pumice and quartz should sit.

Gas connection and installation

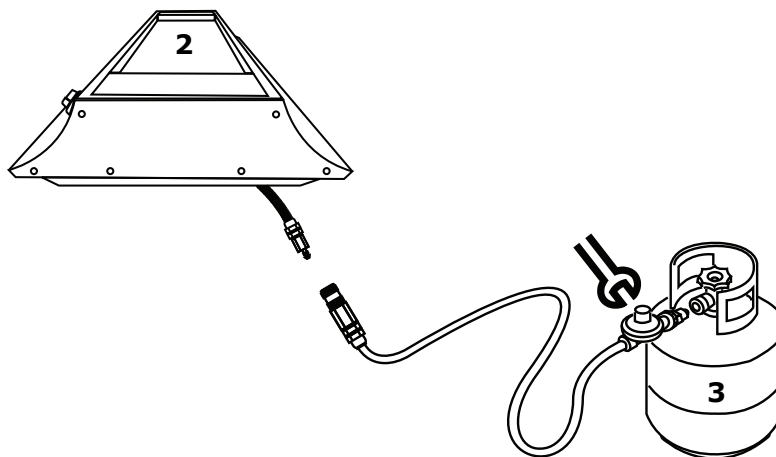
9 kg LPG bottle

You must use the Rinnai gas hose, regulator and Quick Disconnect gas connection (QDC) supplied.

Gas Connection from Unit



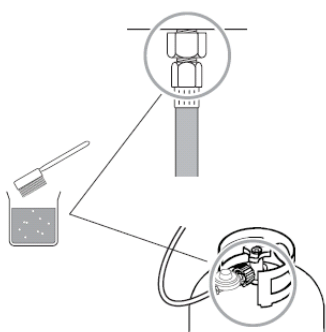
Gas Connection from Unit and Quick Disconnect Gas Connection



If damaged at any stage or requires replacing, it must be replaced by a genuine replacement part from Rinnai.

Inspect the hose assembly before each use. If there is excessive abrasion or wear the hose assembly must be replaced prior to operation of the appliance.

1. Push flexible connection through base of unit.
2. Attach Quick Disconnect gas connection
3. Fasten regulator to bottle and tighten firmly using a spanner. When connecting the hose and regulator assembly to the gas cylinder, take care to avoid unnecessary twisting of the flexible hose.
4. Open the gas cylinder valve fully to allow the gas to flow.
5. Leak test all accessible connections thoroughly using a soapy water solution (1 part liquid detergent and 4 parts water) prior to using the appliance. Bubbles will appear if connections are not properly sealed. Tighten or rectify as necessary and retest.



Guidelines for cladding and finishes

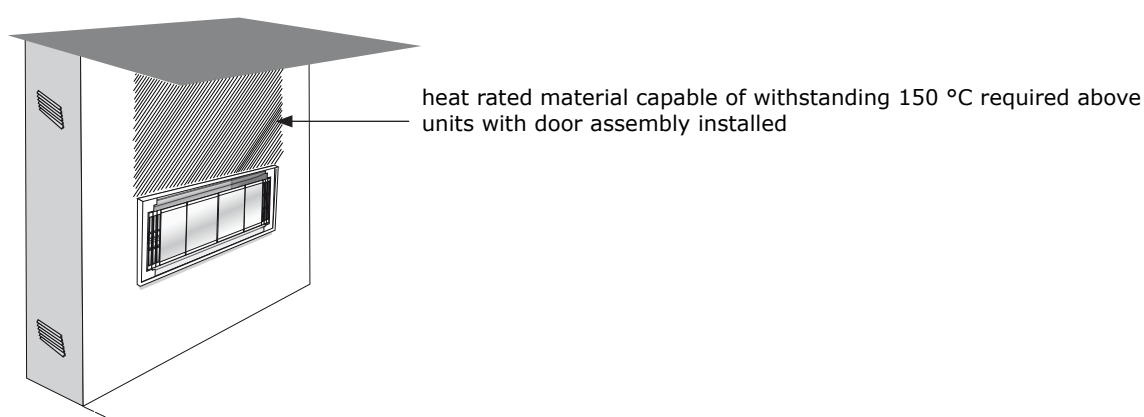
These are guidelines only. It is up to the installer to seek advice from the cladding supplier as to the correct application and specification of the material.

All materials and finishes directly above the unit must be capable of withstanding the following temperatures:

- with Impression Door Assembly installed 150 °C
- without Impression Door Assembly installed 100 °C

Cladding materials shall be non-combustible and suitable for an outdoor environment.

If you are installing an Impression Door Assembly you **MUST** have heat rated material above the fire such as calcium silicate board. Such materials require installation and sealing in accordance with the supplier specification.



Rinnai accepts no responsibility for deterioration of cladding or finishes.

Cladding materials - suggested suppliers

Calcium silicate and fibre cement finishes	PBS Distributors Ltd (www.pbs.co.nz).
Waterproofing and sealing of backing board	Mapei (www.mapei.co.nz).
Plastering systems	Putz Tecnic (www.putztechnic.co.nz).
Tile finishes	Ceramic or porcelain tiles from specialist retailers.
Tile adhesive/grout	Rubber based flexible adhesive available from Construction Chemicals (www.constructionchemicals.co.nz).
Rock veneer	Panel and schist veneer systems (www.designaschist.co.nz)
Paint	Lumbersider high cover outdoor acrylic, available at specialist paint suppliers.

Installer information - checklist

Complete the installation checklist below to ensure the Rinnai Impression Outdoor Fire has been installed in accordance with these installation instructions.

If a contracted party has been employed to complete the installation ensure checklist and installer detail information is completed and that this manual is left with the customer. Explain to the customer about the use and care of the unit and understands the instructions.

	NO	YES
1. Is the appliance positioned in a suitable location with regards to clearances?	☐	☐
2. Is the unit fixed in location?	☐	☐
3. Is the pumice and quartz positioned correctly?	☐	☐
4. Is the LPG gas bottle securely positioned?	☐	☐
5. Have all gas connections been checked for leaks using a soapy water solution?	☐	☐

Installer details

Company name: _____

Installers name: _____

Address: _____

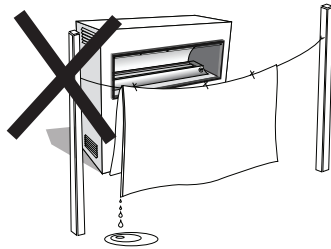
Phone: _____ Mobile: _____

Permit number for installation: _____

Signed: _____ Date: _____

Safety during operation of the appliance

Clothing or other flammable materials should not be hung from the appliance, or be placed on or near the appliance.

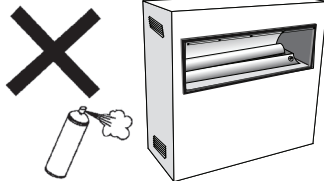


Children and adults should be alerted to the hazards of high surface temperatures, burns and clothing ignition. Do not allow anyone to sit or lean against the appliance.



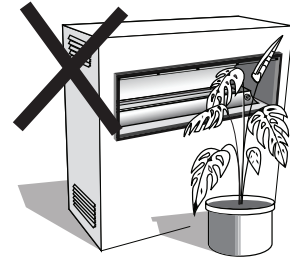
Young children should be supervised at all times when they are in the area of the appliance.

Do not spray aerosols in the vicinity of this appliance while it is in operation. Most contain butane gas which can be a fire hazard if used near the appliance.

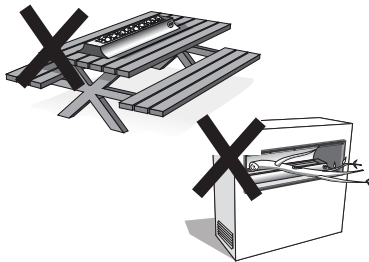


Do not use or store flammable materials near this appliance.

Keep unit away from combustible materials. Combustible materials must not be placed where the unit could ignite them.

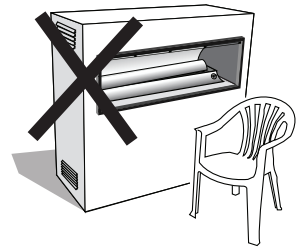


Appliance must be secured into a permanent fixture.

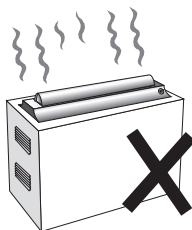


Solid fuels shall not be burned in this fireplace.

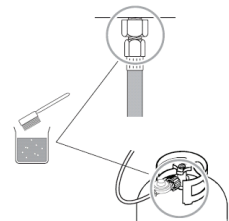
Any materials or objects that are near this appliance when it is in operation may be subjected to radiant heat and could sustain damage.



Do not operate the appliance with the burner/rain cover on.



Leak test all accessible connections thoroughly using a soapy water solution (1 part liquid detergent and 4 parts water) prior to using the appliance. Bubbles will appear if connections are not properly sealed. Tighten or rectify as necessary and retest.



Operation of the appliance

The Outdoor Fire is easy to operate via the use of the control knob on the front of the fire.

All Rinnai appliances meet or exceed the safety standards required by New Zealand gas regulations. Your Rinnai Outdoor Fire has the following safety devices:

- Burner lights with a low gas rate (lights to pilot)
- Flame failure device, if the fire is on and there is no flame the gas automatically shuts itself off

Before starting the appliance

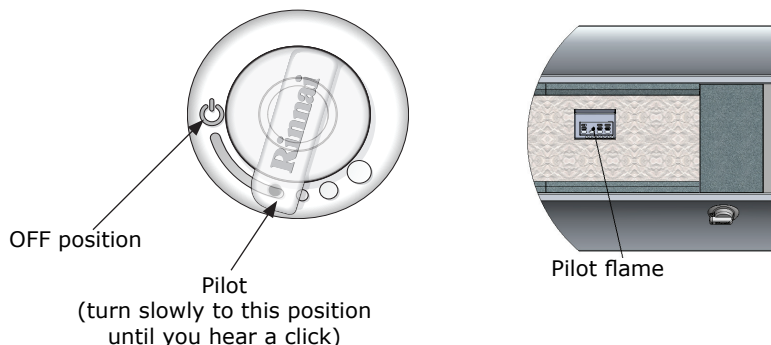
Before starting ensure that debris such as leaves or other objects are cleared from the unit, doors are open, burner/rain cover removed and the gas is turned on.

Operating the appliance

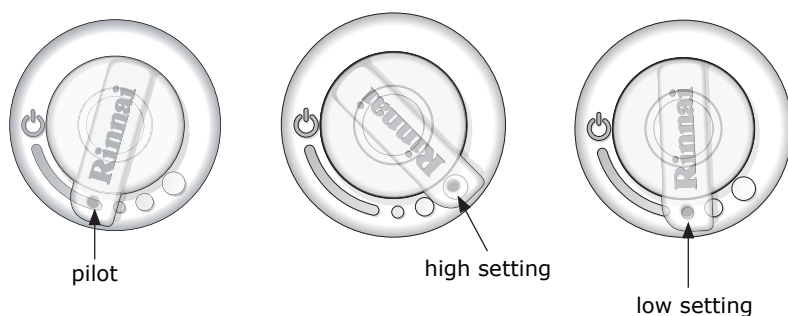
1. Lighting the pilot flame:

Press the control knob and SLOWLY turn counterclockwise until you hear a click. If the pilot lights, keep holding down for a further five seconds to activate the flame failure device.

When the appliance is lit for the first time, or the LPG bottle is changed, the gas needs to replace the air in the hose—the above step may need repeating several times to ignite the fire.



2. Once the heater is on, it is better to run on a high setting for a period of time in order to establish a flame pattern, and allow the unit to heat up (approx. 30 minutes). You can modulate the flame by adjusting between the high and low settings.



3. To turn off, press the control knob and turn clockwise to the OFF position. When shutting down your outdoor fire it is important to replace the burner/rain cover.

Troubleshooting guide

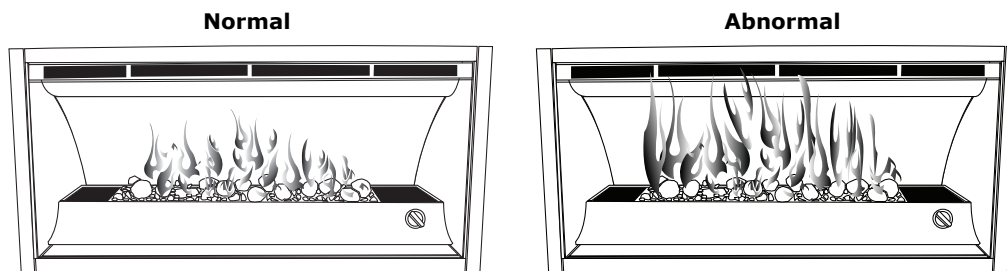
Symptom	Cause	Solution
Unit will not light	- No gas - Air in gas pipe	- Check that the gas is turned on - Check cylinder is not empty Repeat lighting sequence multiple times until gas has replaced air in hose or pipe.
Popping sound	Unburnt gas coming through stones and igniting	No action, normal operation
Burner does not immediately stop burning when unit is turned off	Residue of gas in pumice continues to burn	No action, normal operation
Brown discolouration of top louvre, back of cabinet and burner/rain cover	Heat from operation of appliance	No action, normal operation. Stainless steel permanently changes colour when exposed to heat.

Abnormal flame pattern

Each Rinnai Flame Fire has a distinct flame pattern. This should look the same every time you start your fire, after an initial warm up period of approximately 30 minutes.

Abnormal flame performance and flame pattern can indicate a problem with your fire, such as blocked gas injectors or artificial logs/burn media have shifted from when the fire was first installed. There are some warning signs that could indicate a problem.

- Unusual smell from the appliance
- Continued difficulty or delay in establishing a flame
- Flame appears either very short or very long



- Flame only burns part way across the burner
- Soot build up

If any of the above signs occur, please call Rinnai to discuss.



Consumers: 0800 RINNAI (746 624)
Installers: 0800 TO RINNAI (86 746 624)

Address: 105 Pavilion Drive, Mangere, Auckland
PO Box 53177, Auckland Airport, Auckland 2150

Phone: (09) 257 3800
Fax: (09) 257 3899

Email: info@rinnai.co.nz
Website: www.rinnai.co.nz