

# Rinnai

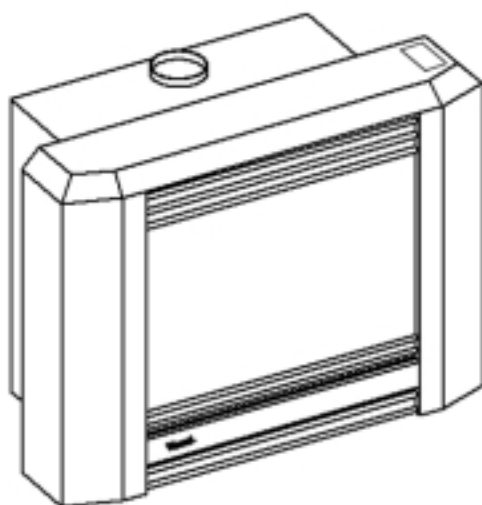
## Flame Fire

### Operating and Installation Instructions

Inbuilt Classique (Australia)

Timberflame IB30 (New Zealand)

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#### **IMPORTANT**

This appliance shall be installed in accordance with:

- Manufacturers Installation Instructions.
- Local Gas fitting regulations.
- Municipal Building codes.
- AGA Gas Installation Code AG601 - NZ 5261.
- Any other relevant statutory regulation.
- Rinnai strongly recommend that this product be installed with an approved flue system for optimum product performance.
- This appliance must only be installed, serviced and removed by an authorised person.
- For Australian installation, this appliance must be installed with the supplied wire dressguard.

**This heater is NOT designed to be built directly into any combustible opening.**

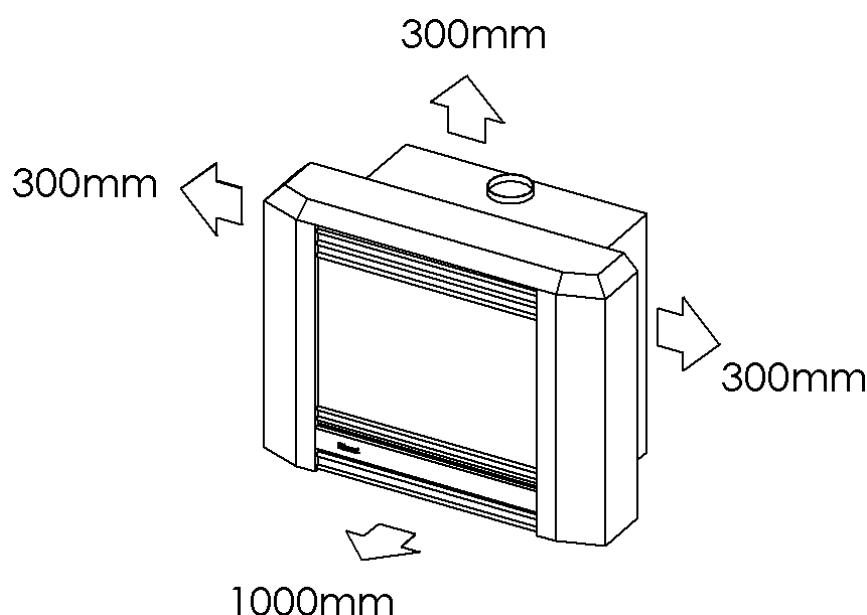
**For combustible opening installations, a Rinnai Zero Clearance Kit is available from your Gas Appliance Retailer.**

# LOCATION

Your new Flame Fire is designed to be installed in a masonry fire place. The appliance can also be built into a non-masonry application by installing a Rinnai Zero Clearance box and an approved flue system.

When positioning the heater, the main points governing the location are:

1. Flueing.
2. Warm air distribution.
3. The heater must not be installed where curtains or other combustible materials could come into contact with it. In some cases, curtains may need restraining. See below for minimum clearances required.



4. The heater is not designed to be built into bookcases or shelves or any combustible opening.
5. Under no circumstances must combustible materials be present on the inside of the fireplace recess or flueway.  
**Note:** A Rinnai Zero Clearance kit is available where the heater is required to be installed in close proximity to combustible framing.
6. The heater must be mounted on a hearth no less than 50mm. high and the width and depth of heater.
7. Check that room ventilation complies with local regulations.
8. Check that an EARTHED power point is within 1500mm. of the right hand side of the heater.

# FLUEING

Rinnai strongly recommends that this appliance be installed with an approved flue liner system in all installations.

Installation without a flue liner is however permissible into masonry chimneys only after physical inspection and testing of the chimney to set criteria. Installation of this appliance into a chimney that fails to meet this criteria will not only void the product warranty, but is highly likely to impede product performance.

The following criteria must be met in all cases:-

## **Internal Criteria:**

- Allow sufficient height above the firebox to enable the debris diverter (See page 8) to be fully operational (ie. open 45°). Failure to do so will result in incomplete combustion and emissions discharged into the room.
- All loose/broken bricks must be repaired ensuring the chimney is of sound construction and free from leakage. Failure to do so may result in emission discharge into the room.
- The chimney must be free of soot and creosote accumulation resulting from previous slow combustion wood fires. It must also be clear of all blockages and swept prior to installation.
- Any damper plate must be fixed in the open position or removed.
- Any underfloor air supply to the fireplace must be completely sealed off to prevent secondary air draw.

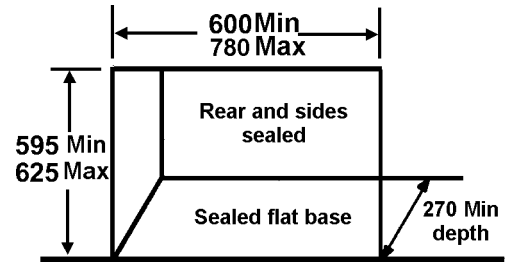
## **External Criteria:**

- An approved chimney cap and cowl must be installed with this appliance. If there is an existing cap, it must be free of defects/deterioration and repaired if found to be faulty.
- Inadequate chimney height can also effect product performance. Some applications may require the chimney height to be extended to reduce possible down drafts.
- A flue draft smoke test must be carried out to confirm that an updraft occurs and the flue system is sound. There must be no leakage of smoke through the structure of the chimney during or after the test. Inside, upstairs and/or adjacent rooms should also be checked.

If any of the above criteria is not met, a Rinnai approved flue liner system must be installed.

## • CHECK DIMENSIONS OF FIREPLACE

Check dimensions of fireplace and if necessary bring them to dimensions shown. Note. If the width of the fireplace is less than 700mm then provision needs to be made to run the gas supply outside of the fireplace cavity. If the fireplace opening is larger than the fire, a 100mm. wide decorative surround is available from your local gas appliance retailer.

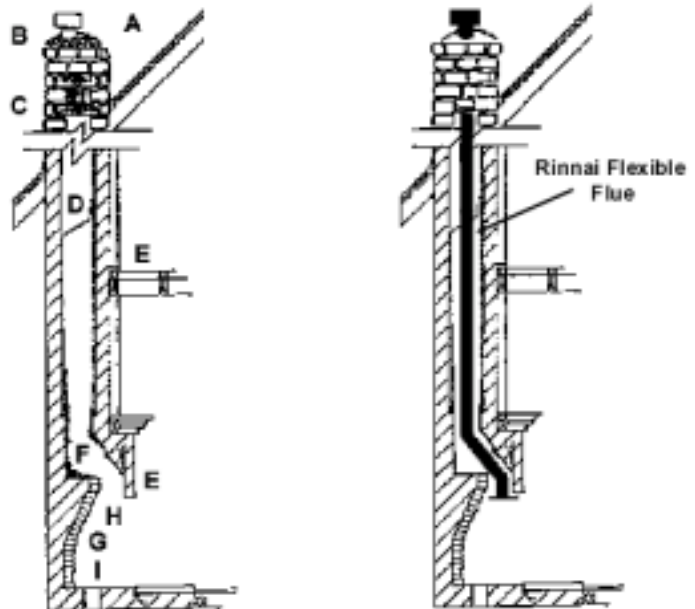


## • CHECK FLUEWAY

Check flueway is clear of obstructions.  
Provide a firm, flat and sealed base for unit.  
Sealed means no holes or openings in fireplace.  
A rough base may affect the performance of this unit.

## • CHIMNEY INSPECTION

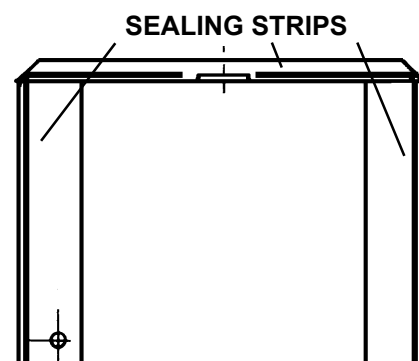
- A. Improper chimney height.
- B. Chimney Cap deterioration.
- C. Creosote stains.
- D. Blockage within flue.
- E. Clearance to combustibles.
- F. Soot / Creosote accumulation.
- G. Structural deterioration.
- H. Loose or broken bricks.
- I. Smoke Pellet test. (Leakage)



## • SEALING THE INBUILT INSTALLATION

Peel protective backing off the foam strips supplied with the heater. Attach strips to rear of casing as shown.

The strip is intended to form a seal between the heater and fireplace. If an adequate seal cannot be formed with this strip, another means of sealing must be used (eg. non-combustible insulation), between the fireplace and the heater body.



Rear View

# GAS CONNECTION

## • RUN GAS SUPPLY

For pipe sizing, refer to your local gas installation codes. Copper supply should be run leaving a flared connection at the position shown.

PURGE SUPPLY OF AIR AND SWARF.

All foreign materials such as filings must be purged from the gas supply, as they may cause the gas valve to malfunction.

## • SLIDE HEATER INTO FIREPLACE

Slide the heater carefully into position.

**A spring-loaded debris diverter plate is fitted to prevent the entry of foreign objects for a masonry chimney installation.**

The plate will fold down as the heater slides through the fireplace opening. Once the heater is in place the plate will resume its normal position.

**IMPORTANT: Make sure that the debris diverter plate is not restricted and returns to its normal position when the heater is installed.**

If the fire has to be removed, the plate will pivot downwards to allow the heater to slide clear.

**When a flue liner is used, the debris diverter plate must be unscrewed and removed.**

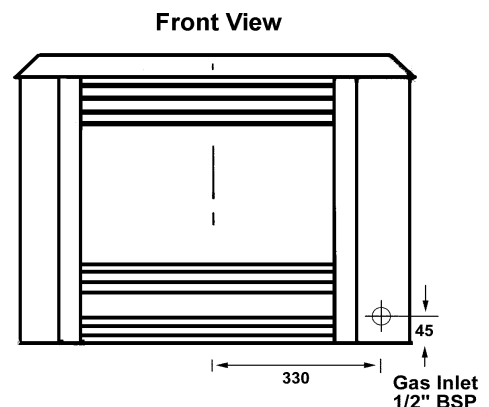
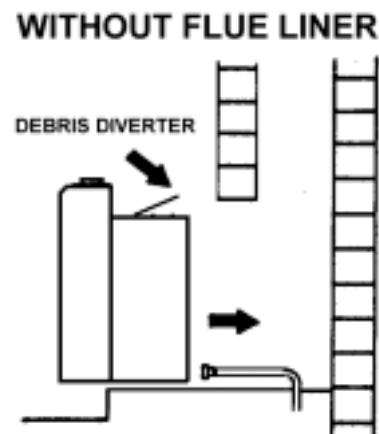
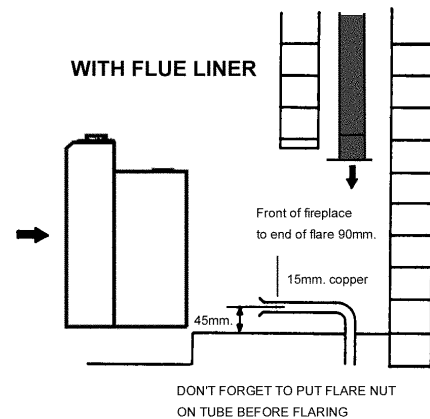
Feed the copper tube through the supply access opening.

Connect and tighten union.

Secure heater to fireplace. There are pre-drilled holes in the heater flanges.

Drill additional holes if the existing ones are not in suitable positions.

On completion of work, check for gas leaks.



# LOG INSTALLATION

The logset is packed inside the heater and the packaging must be removed prior to installing the logset in its correct position.

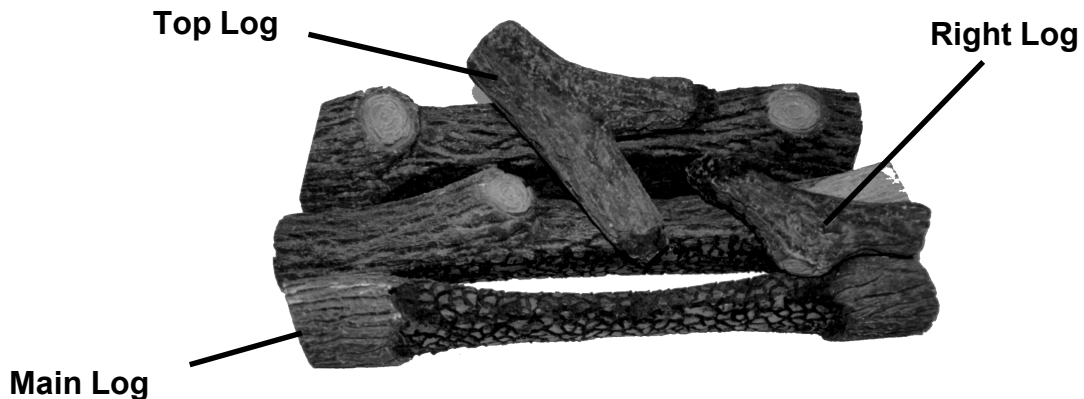
- Remove both side panels.
- Remove fastenings on both sides of the top glass retainer.  
Lift retainer away from heater.
- Loosen screws on bottom glass retainer.  
Carefully lift glass out of bottom channel.
- Carefully remove log packaging.



The logset consists of a Main Log which has four pins on the top, for the location of the Top and Right Logs and two holes underneath for location onto the pins inside the heater.

**Place the logset into the heater ensuring that the locating pins enter the two locating holes on the bottom face of the logset, if not already attached.**

Carefully position the Top Log and the Right Log on the locating pins of the Main Log as shown.



**Gently place loose ember bed material in front of the front log. Do not pour as dust particles from the plastic bag may block the burner ports.** Level it with a pencil or screwdriver and remove excess material. Note: The ember bed material must be placed after the logs are fitted. If the logs are to be removed for any reason, the ember bed material must be removed first and replaced after the logs are refitted. Any material that prevents the logs sitting flat on the burner top can upset the burning pattern and performance of the heater.



- Replace glass and top glass retainer, tighten bottom glass retainer screws.
- Note: Fit glass so that the join/gap in the glass seal is at the bottom.
- Take care not to damage seals.
- Reinstall side panels.

**Note:** When first lighting the heater, the logs need to be burnt in, which may take approximately 2 hours. The flame colour may change after the initial burning in period.

# TESTING & COMMISSIONING

## TESTING PROCEDURE

Turn gas supply on and plug the unit into the power supply. (Caution 240V.)



- **TO CHECK BURNER PRESSURE**

- Refer to Data Plate.
- Remove test point screw and attach manometer to test point.  
The test point is on the front side of the gas valve.  
Light heater, push control buttons to the high position and check pressure.
- If adjustments are necessary, the regulator is situated on the front of the gas control.
- After checking pressure, turn the unit off, remove manometer and replace test point screw.
- Turn the heater on and off a few times to check ignition.
- When you are satisfied that the heater is working correctly, reassemble panels.
- All burner aeration is factory preset and cannot be adjusted.
- If you are unable to get the unit to operate correctly, refer to Troubleshooting on Page 4, before contacting your local service agent as listed on Page 11.
- It may take approximately 2 hours for the logs to achieve their full flame pattern and glow.
- **During the initial burning in period, some smoke and smell may be experienced. The heater should be run on the high position in a well ventilated room until these dissipate.**

## COMMISSIONING

- **INSTALLATION AND COMMISSIONING CHECKLIST**

Complete the installation / commissioning checklist and the installer / gasfitter details on page 12 and make sure that this instruction book is left with the customer.

- **INSTRUCT CUSTOMER ON USE OF UNIT**

Explain to customer about use and care of unit. Make sure the customer understands the instructions.

- **EXPLAIN**

Ignition, Adjusting heat level, Fan Switch, Turning "OFF".

### NOTE:

**RINNAI RESERVES THE RIGHT TO CHANGE OR MODIFY SPECIFICATIONS WITHOUT NOTICE.**

# TECHNICAL DATA

**Model:** FGL31 ISBN (NG) Australia  
FGL31 ISBL (Propane) Australia  
IB30N (NG) New Zealand  
IB30L (Propane) New Zealand

**Description:** Rinnai Inbuilt Radiant/Convector, glass-fronted, ceramic log space heater with forced convection and natural draught flue system.

**Input:** 30 MJ/h Natural Gas and Propane.

**Gas Control:** Rinnai Push-Button Combination Control.

**Burner:** Ceramic Logs, Ember Bed and Heat Burner.

**Gas Inlet:** 15mm. Copper Flare Connection.

**Test Point Pressure:** Natural Gas 0.95 kPa; Propane 2.20 kPa.

**Flue:** Natural Draught.

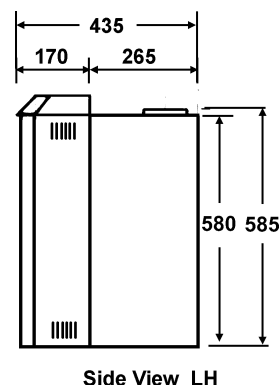
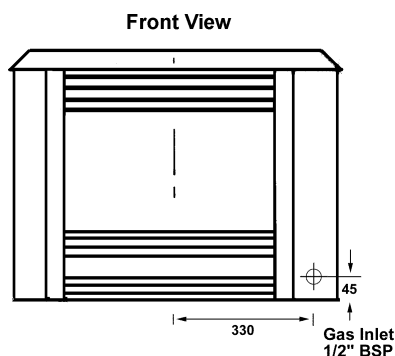
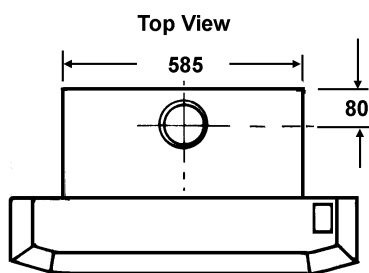
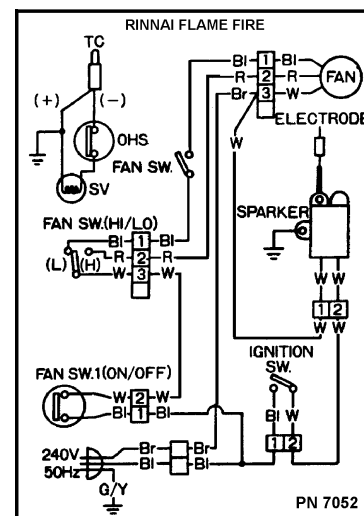
**Flue Termination:** An approved 100mm. cowl must be fitted to all installations.

**Ignition:** Electronic Spark.

**Power Supply:** 230/240v. 50Hz unit is supplied with 3 pin plug and supply lead, replace only with Rinnai P/N 90179599(Aust.) 6765B(NZ).

**Fan:** Tangential 2 Speed, Watt Rating 90W.

**Data Plate:** Bottom R/H side of side panel.



## SERVICE CONTACT POINTS

**RINNAI AUSTRALIA PTY. LTD. ACN. 005 138 769**

**Helpline: 1300 366 388**

Mon.-Fri (8.30am-5.30pm EST)

(Cost of a local call - higher from mobile or public phones)

**Head Office:** **Vic./Tas.** 10-11 Walker St. Braeside, Vic. 3195  
**Tel.**(03) 9271 6625 **Fax.**(03) 9271 6622  
**Sales** **Tel.**(03) 9271 6666 **Fax.**(03) 9271 6611  
**Service** **Tel.**(03) 9271 6699 **Fax.**(03) 9271 6688

**NSW/ACT:** 62 Elizabeth St. Wetherill Park, NSW 2164  
**Tel.** (02) 9609 2888 **Fax.** (02) 9729 5260

**SA/NT:** 140 Days Rd. Ferryden Park, SA. 5010  
**Tel.** (08) 8345 0292 **Fax.** (08) 8345 4760

**QLD:** 1/6 Booran Drive, Logan Central, Qld. 4114

**Tel.** (07) 3209 4622 **Fax.** (07) 3209 4722

**WA:** 18 Belgravia St. Belmont, WA. 6104

**Tel.** (08) 9478 3355 **Fax.** (08) 9277 2531

**RINNAI NEW ZEALAND LTD.**

691 Mt. Albert Rd. Royal Oak, Auckland, NZ.

PO Box 24-068 **Tel.** (09) 625 4285 **Fax.** (09) 624 3018

24 Hr. Service **Tel.** 0800 746624 (**0800 Rinnai**)

**Internet:** [www.rinnai.co.nz](http://www.rinnai.co.nz)

**Email:** [info@rinnai.co.nz](mailto:info@rinnai.co.nz)



# INSTALLATION / COMMISSIONING CHECKLIST

**(To be completed by certified Gas Installer)**

Model: \_\_\_\_\_

	NO	YES
1. Was a fireplace inspection carried out? (ie. clearances, combustibles etc.)	<input type="checkbox"/>	<input type="checkbox"/>
2. Was chimney inspected?	<input type="checkbox"/>	<input type="checkbox"/>
3. Did chimney require flue liner system to be installed?	<input type="checkbox"/>	<input type="checkbox"/>
If NO, did chimney meet specified criteria as per manual?	<input type="checkbox"/>	<input type="checkbox"/>
4. Has specified gas pressure been set?	<input type="checkbox"/>	<input type="checkbox"/>
5. Are decorative logs located correctly on pins?	<input type="checkbox"/>	<input type="checkbox"/>
6. Have ember granules been placed and free of dust and powder?	<input type="checkbox"/>	<input type="checkbox"/>
7. Has appliance been sealed around the fireplace?	<input type="checkbox"/>	<input type="checkbox"/>
8. Has the appliance been commissioned?	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the end-user fully aware of operating procedure?	<input type="checkbox"/>	<input type="checkbox"/>

## INSTALLER / GASFITTER DETAILS

Company Name: \_\_\_\_\_

Gasfitters Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

Mobile: \_\_\_\_\_

Certificate of Compliance / Certification Number: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_