

Rinnai

SLIMLINE MK II

CUSTOMER'S OPERATING INFORMATION AND INSTALLATION INSTRUCTIONS

This appliance shall be installed in accordance with:-

- ★ **Manufacturer's Installation Instructions**
- ★ **Local Authority Requirements**
- ★ **NZS 5261 Installation Code for Gas Burning Appliances and Equipment**
- ★ **Any other relevant Statutory Regulation**
- ★ **This appliance must be installed, serviced and removed by an Authorised Person.**

Rinnai 
GAS SPACE HEATERS

INSTALLATION INFORMATION

INTRODUCTION

The Rinnai Slimline is a radiant/convector domestic gas fire, approved for use on natural gas.

It has been designed to incorporate elegance, performance and ease of installation and servicing.

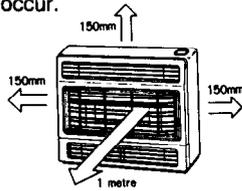
To ensure the installation will proceed in the most logical and time saving sequence, and will complement the heater's quality features, please read the following instructions carefully.

APPROVAL

Your Slimline Gas Heater has been designed to comply with the Gas Industry Regulations 1993.

SPECIFICATIONS

Gas Control	Rinnai multifunctional gas valve featuring Piezo ignition, flame failure device, pressure regulator and pressure test point.
Burner	Simplex — single entry.
Gas Inlet	3/8 BSP Flare fitting with flare nut – situated 85mm from floor – 140mm from outside RH edge of case – 65mm from rear.
Flue	Natural draught for connection to fibrolite, twin skin, chimney or metal flue. Flue spigot size: Diameter 100mm. Floor to centre of spigot: 515mm. Termination — An approved cowl should be fitted in areas where down draughts are known to occur.
Output	4KW
Input	22 MJ/h.
Injector	2.2mm.
Test Pres.	0.95 kPa.
Gas Type	Natural.
Ignition	Piezo Electric
Data Plate	R/H side of burner chamber assembly behind front panel.



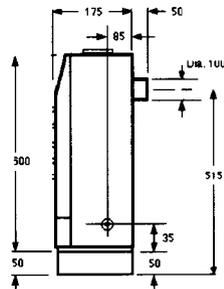
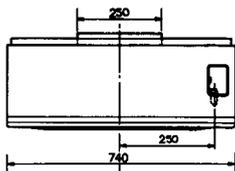
This heater must not be installed where curtains or other combustible materials could come into contact with it. In some cases curtains may need restraining.

Other clearances are shown in the diagram.

This unit is not designed to be built into Bookcases or Shelves.

Check that ventilation complies with local regulations.

DIMENSIONS



UNPACKING

Note: It is recommended that all preparatory work be done before unpacking the heater, to avoid risk of damage to the cabinet.

With the carton upside-down fold back all four flaps. Stand upright, and carefully lift the carton off the heater.

WALL MOUNTING

Your Slimline may be mounted directly onto Carpet or other Floor Covering. The Plinth must be attached for this type of installation. Do not cut carpet around the heater.

NOTE: Some carpets may discolour due to exposure to heat or light (photosynthesis). If in doubt, install your heater on a tile hearth or similar.

The Heater may be mounted directly on a wall made of combustible material, without any need for a fireproof backing sheet. This should be done by using the mounting holes provided on each side of the rear panel.

For interior walls, an approved type of 'in partition' flue is required and for exterior walls, either an 'in partition' flue or a thorough wall flue may be used.

The flue requires a 100mm diameter nominal round spigot entry for the appliance. Combustible wall material must be a minimum of 25mm clear of the spigot on all sides.

Your Slimline may be wall-mounted without the Plinth providing minimum clearance of 50mm is allowed between the Heater and the Floor.

HEARTH MOUNTING

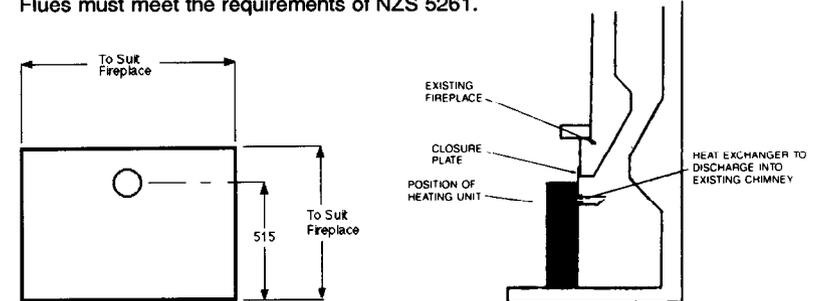
Existing Chimney

If the chimney has been previously used for burning solid fuel, it is essential that it is swept, and is not restricted in any way.

The flue should be inspected to ensure that it is not cracked nor blocked by rubble or paper, etc., and restrictions such as dampers have been *removed* or secured in the *fully* open position.

The flue *must* have a *positive updraught* and service only *one* room.

Flues must meet the requirements of NZS 5261.



Hearth Fixing

The fire is suitable for mounting on the hearth of a conventional open fire, the fireplace opening being sealed with a closure plate. The closure plate should be as airtight as possible, to avoid loss of warmed room air into the chimney.

When the fireplace has an ash pit, it is essential that the cover is fitted to the ash clean out opening to ensure satisfactory chimney draught.

The heater must be securely anchored in position. This may be done by screwing to the closure plate through the fixing holes provided.

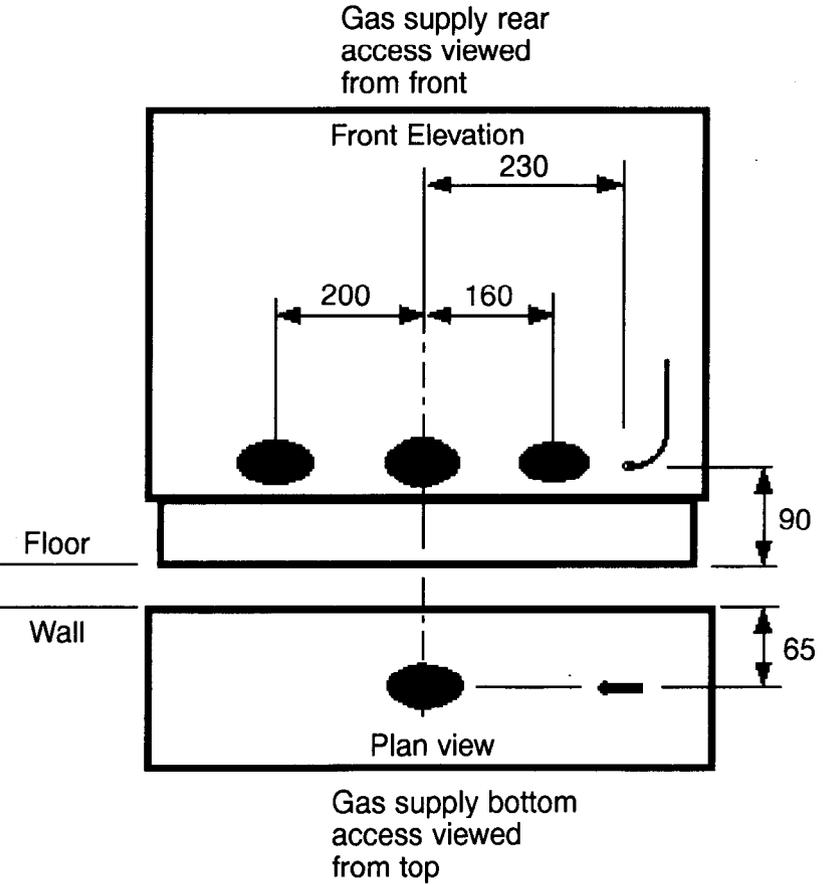
When Hearth- fixing, Your Slimline may be installed without the Plinth.

GAS CONNECTIONS

To provide easy installation, three knockouts, 80 x 32, are provided on the Back Panel; and one in the centre of the Base Panel. See diagram for positions.

With the Heater secured in position, bleed the Gas Line and make the connection to the Inlet of the Gas Valve.

IMPORTANT: Remove only one knockout for the inlet pipe. Ensure that this area is well sealed on completion of installation.



FRONT PANEL REMOVAL

Remove bottom front panel by undoing two screws on the lower part of the panel. Pull panel forward and down to remove.

Front panel, remove two screws at the bottom corners of the panel and two screws inside the top louvre Assy.

Lift panel to disengage top and remove from heater.

DO NOT lift the panels by the dress guard or louvres.

Ensure removal and replacement of the bottom panel is not obstructed by carpet.

INITIAL LIGHTING & TESTING

Remove the screw from the test point in the gas cock and attach a suitable manometer.

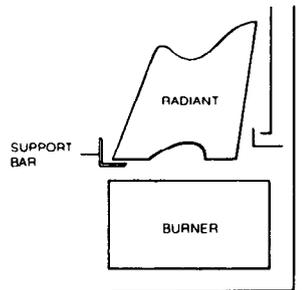
Light the heater and set the pressure to correspond with that given on the data plate. (Note that a manometer reading must only be taken with the control turned to 'High'.)

Leak test all joints with soap solution. **DO NOT** use a naked flame.

After testing turn off heater, remove manometer and *replace test point screw*.

Check for satisfactory ignition by relighting the heater at least *five* times. If ignition is unreliable first check for spark at the electrode and for shorting from the HT lead to any adjacent sheetmetal. Check the electrode position, it should be 5mm directly above a burner port. Check operation of burner from the high to low settings.

Remove radiants from their cartons and fit to the heater by inserting the upper edge of the radiant under the burner canopy, lift and push back bottom of radiant, finally lowering radiant on to its support bar.



Re-light heater. Allow 10 minutes and with all doors and windows closed check for spillage of combustion products at the edge of the canopy above the radiants, using a smoke match or dew plate.

If spillage occurs, the cause must be ascertained and attended to. Three possible causes are:

1. Blocked chimney or flue.
2. Very tight house construction preventing ingress of air to the room (most unlikely).
3. Down draught.

On satisfactory testing of the heater being completed refit the surround to the heater, reversing steps previously indicated for surround removal.

On completion of the installation instruct the customer in the use and the care of the heater, ensure the customer understands the instructions which must be left with the customer.

FAULT-FAILURE PROCEDURE

If the heater will not operate satisfactorily contact Rinnai N.Z., their agent or Local Gas Utility.

SERVICING

It is recommended that at regular intervals (not exceeding two years) the Slimline receives a thorough check. The examination should include:

1. Check gas cock for leaks
2. Check burner air inlet for obstruction (carpet fluff)
3. Check electrode and lead for deterioration and operation
4. Check radiants for breakage
5. Check test point pressure and adjust if necessary
6. All servicing must be carried out by an authorised person
7. Check general condition of sheetmetal components.
8. Check for continuous flue pull. Chimney or flue may have become blocked or restricted.

REMOVAL OF COMPONENTS FOR SERVICING

1. Replacing Broken Radiants

- (a) Remove front panels
- (b) Ensure all fragments of broken radiant are removed
- (c) Place top of new radiant in position, push up under burner canopy until the bottom of the radiant clears the support bar above the burner, lower front edge of radiant on to support bar as indicated previously
- (d) Replace front panels

2. Burner

- (a) Remove the two M5 screws supporting the burner. (Note the spacers between the burner and burner support bracket). Slide burner to left of injector and remove
- (b) Reassemble in the reverse order

3. Gas Valve

- (a) Turn off gas and disconnect gas inlet pipe at 3/8 flare fitting
- (b) Remove snap pin from control knob shaft
- (c) Remove thermocouple
- (d) Remove electrode assy from burner support
- (e) Remove two screws securing gas valve
- (f) Reassemble in reverse order

USERS OPERATING INFORMATION

Warning:

DO NOT place articles on or against this appliance.

DO NOT use or store inflammable materials near this appliance.

DO NOT spray aerosols in the vicinity of this appliance while it is in operation.

The guard on this appliance conforms to G.A.N.Z. requirements.

The guard is to prevent risk of fire or injury from burns and no part of it should be permanently removed.

IT DOES NOT GIVE FULL PROTECTION FOR YOUNG CHILDREN OR THE INFIRM.

TO LIGHT THE HEATER

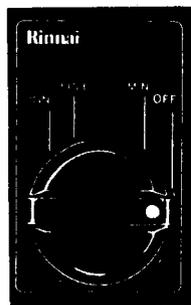
Turn the control knob slowly and firmly fully anticlockwise to the ignition position. Holding in this position, check that the burner ignites. Continue to hold in this position for approx. 20 seconds. This allows for the safety device to energise.

If the burner does not remain alight when the control knob is released, repeat the ignition procedure.

When released the control knob will return to the FULL position.

The heater may now be controlled anywhere between the FULL and MIN positions depending on the level of warmth required.

The heater must not be used at a setting below the MIN position.



RINNAI GUARANTEE OF QUALITY

Rinnai New Zealand Ltd will, at its discretion, repair or replace any goods which do not comply with the Consumer Guarantees Act.

As a Purchaser of a high-quality Rinnai product, you are offered Rinnai's comprehensive 2- Year Warranty on all Parts.

Labour is covered for the first year.

This guarantee does not cover cleaning and normal wear- and-tear. Cases of this nature may be chargeable.

CARING FOR YOUR SLIMLINE HEATER

DO NOT use abrasive cleaners anywhere on your heater as these will permanently damage the heater's finishes.

OUTER CASE

The outer case of the heater should be cleaned with a soft, damp cloth. Do not use aerosol polishes to clean the casing whilst the heater is in operation.

REFLECTOR

Cleaning the reflector necessitates removing the chrome dress guard, this can be done by lifting the dress guard upwards from the bottom and pulling the guard forward. Clean the reflector with a damp cloth. Ensure the dress guard is refitted properly.

RINNAI NEW ZEALAND LTD.

691 MT ALBERT ROAD, ROYAL OAK
AUCKLAND
P.O. BOX 24-068 AUCKLAND
PHONE: 625-4285
FAX: 624-3018

Rinnai are continually updating and improving products. Therefore specifications are subject to alterations without notice.

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