



MK 2 REMOTE RANGE



MODEL:
SERIAL NUMBER:
DATE:

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IMPORTANT

**The installation must only be carried out by a
Registered Gas Installation Engineer.**

Keep these instructions for future reference.

TECHNICAL DATA:**DIMENSIONS**

Table 3.1

Model	Width (mm)	Length (mm)	Length with Pilot	Height (mm)
700	250	665	697	140
850	250	815	847	140
1050	250	995	1027	140

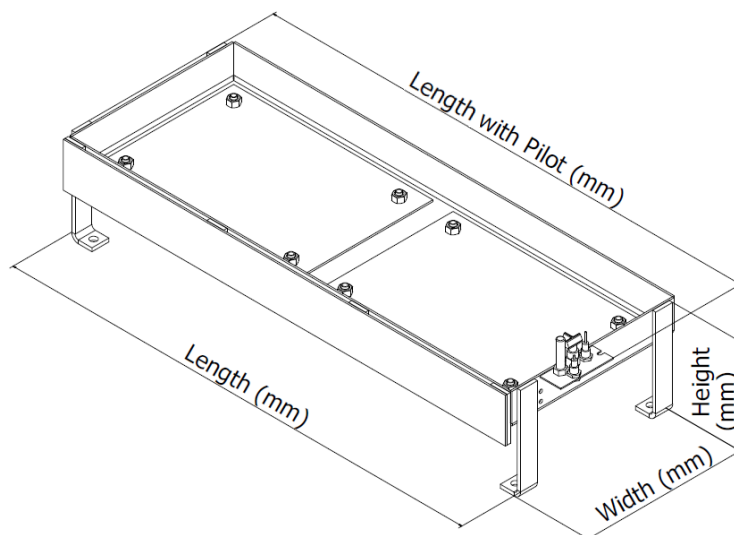


Fig. 3.1

GAS SPECIFICATIONS

The Jetmaster SFB range of gas grates comprises models suitable for operation in conjunction with either LPG, (Liquefied Petroleum Gas) or NG, (Natural Gas). Details are provided hereunder in Table 3.2

Table 3.2

Gas Type	Model	Gas Consumption MJ/Hr	Nominal Pressure (kPa)	Inline Injector (mm)	Min Inlet Gas Pressure (kPa)	Max Inlet Gas Pressure (kPa)
LPG	700 SFB LP	69	1.65	1.9	0.9	1.5
LPG	850 SFB LP	55	1.30	1.8	0.9	1.15
LPG	1050 SFB LP	71	2.0	1.5	0.85	2.0
NG	700 SFB NG	71	1.2	2.7	0.45	1.1
NG	850 SFB NG	71	1.2	2.7	0.45	1.0
NG	1050 SFB NG	72	1.5	2.3	0.45	0.95

Regulator must be fitted (supplied with appliance)

INTERNATIONAL GAS CONVECTOR

NOTE: For best performance it is recommended that the burner tray be installed in one of the following International Gas Convector (IGC) fire boxes.

Table 4.1

Model	A	A1	A2	B	C	D	E	F	G	Y
700	700	800	750	341	650	290	200/250	630	265	235
850	850	950	900	341	650	290	250/300	630	265	235
1050	1050	1150	1100	341	570	290	250/300	550	265	235

Dimensions in mm;

Dimensions in mm

Fig 4.1

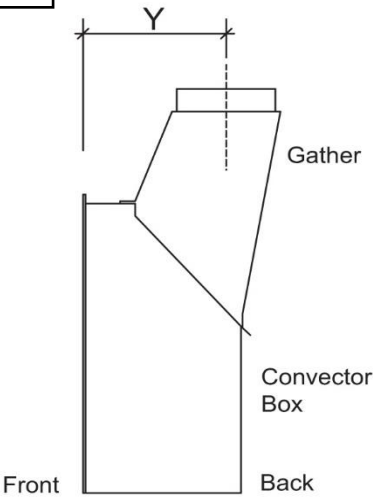
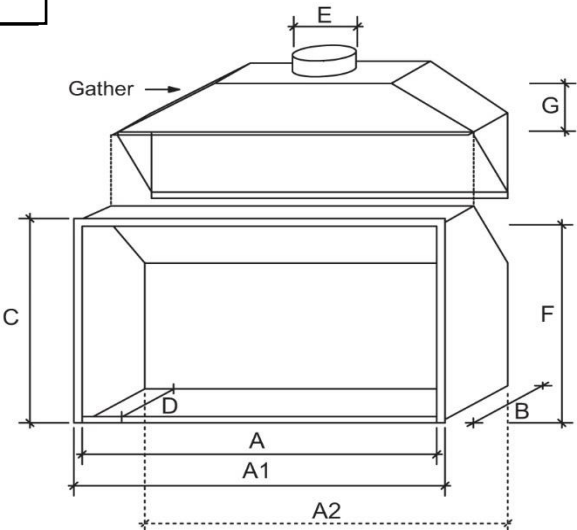


Fig 4.2



IMPORTANT



- **DO NOT** PLACE ARTICLES NEAR, ON OR AGAINST THIS APPLIANCE.
- **DO NOT** USE OR STORE FLAMMABLE MATERIALS NEAR THIS FIREPLACE.
- **DO NOT** SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS OPERATIONAL.
- THIS IS PRIMARILY A **DECORATIVE APPLIANCE**. IT IS **NOT** CERTIFIED AS A SPACE HEATER.
- THIS UNIT INCORPORATES A LIVE FUEL EFFECT AND IS DESIGNED TO BURN WITH LUMINOUS FLAMES AND SUCH MAY EXHIBIT SLIGHT CARBON DEPOSITS (SOOT).
- **DO NOT** MODIFY THIS APPLIANCE IN ANY WAY.
- EACH UNIT IS DESIGNED FOR USE ONLY WITH THE TYPE OF GAS FOR WHICH IT IS INTENDED.
- **SERVICING IS TO BE CONDUCTED BY AUTHORISED AND QUALIFIED PERSONNEL ONLY.**

INSTALLATION INSTRUCTIONS:

GENERAL

Installation of this gas fired appliance may only be carried out by a registered gas engineer. The appliance must be installed to the **NZ GAS INSTALLATION STANDARD AS/NZS 5601:2013 & AS/NZS 5263.0:2017**. All relevant local codes and building regulations must also be observed.

Installation and use of this fireplace must be carried out in accordance with these instructions.

IMPORTANT



BEFORE BEGINNING THE INSTALLATION:

CHECK THAT THE DETAILS ON THE DATA PLATE CORRESPONDING TO THE GAS TYPE AND PRESSURE TO WHICH THE APPLIANCE WILL BE CONNECTED.

As per AS/NZS 5263.0:2017 2.15.2.3. - DO NOT USE AN UNLINED MASONRY CHIMNEY AS THE FLUE FOR THIS APPLIANCE

When planning the location, layout and installation of the fireplace, bear in mind that the gas supply pipe should enter the unit from the right hand side. Knock-out plates are provided to ensure correct entry point.

The electrical power supply cable from the transformer should enter the unit from the left hand side. An entry point at the correct location has been provided in the form of a hole, on the left hand side panel near the base.

CLEARANCE DISTANCES

Heat is radiated from the front of the fireplace. It is therefore important to take special care that no combustible material is placed close to the opening of the fireplace. No combustible materials, e.g. wooden furniture, cupboards, curtains, or similar items should be placed within 700 mm from the front of the fireplace.

NOTE: Although the unit is certified for zero clearance installation it is recommended that the base on which it rests be constructed of non-combustible materials, no less than 6mm thick and that a non-combustible hearth of at least 20 mm thickness is used.

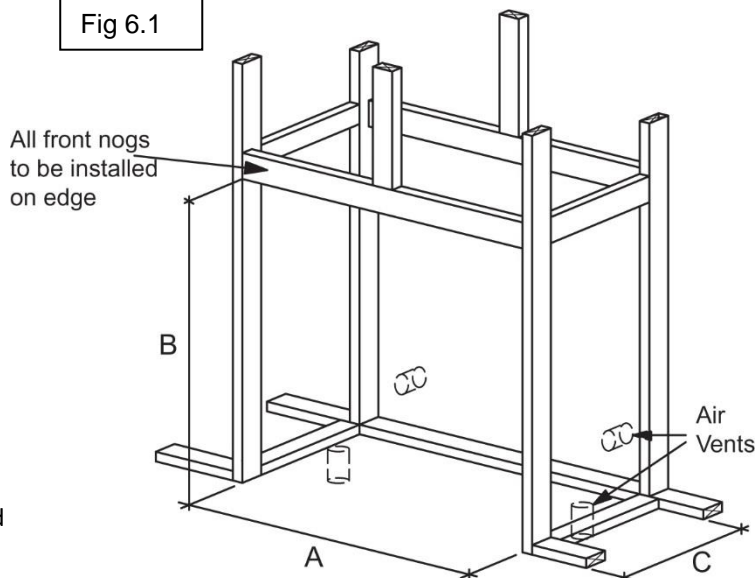
TYPICAL IN-BUILT INTO TIMBER FRAMINGTRIM OUT DIMENSIONS

Table 6.1

Model	A	B	C	Temporary Lintel*
700	850	730	450	1200
850	1000	730	450	1200
1050	1200	650	450	1200

Dimensions in mm

Fig 6.1

**Note:**

These dimensions are absolutely minimum sizes.
Widths (A and C) may be increased if desired.
It is important to ensure the Jetmaster firebox is seated on top of the finished floor protector level.
*Allow temporary lintel until firebox and flue is installed

CAVITY / FRAMING PREPARATION

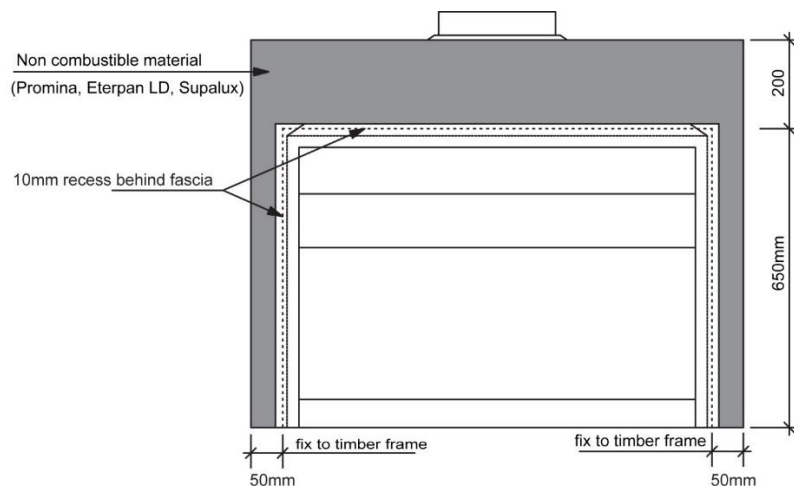
1. Refer to the minimum framing dimensions as per Table 6.1 and Fig. 6.1. Allow a temporary 1200mm lintel height, until the convector box and flue is installed. Install front nogs on edge to increase chimney chase dimension.
2. For timber frame, use 6mm Hardiflex board to line the floor, rear and sides of the framed cavity. Framed cavity to be taken to a minimum height of 1200mm from the firebox base.
3. Air Vents to have a minimum cross sectional area of 5000 sq.mm in total. Ensure suitable air vents (min. 2 x 80mm diameter or equivalent) in place to vent firebox cavity. These may be located in the floor or in the side wall space. If intending to recess the firebox, the maximum recess value is 100mm. Refer to Fig. 8.3.

MARGIN SET**IMPORTANT**

Under no circumstance is the width of the vertical margin legs to be less than 50mm and the height of the margin lintel to be less than 200mm. (See Fig. 7.1 below)

Where an internal wall board finish is required around the fire, ensure allowance is made to place non-combustible internal wall lining (e.g.: Promina, Superlux, Eterpan), as shown shaded. Directly touching the firebox with any board or plaster finish will cause cracking from heat expansion. Allow 2mm minimum space away from the firebox.

Fig 7.1

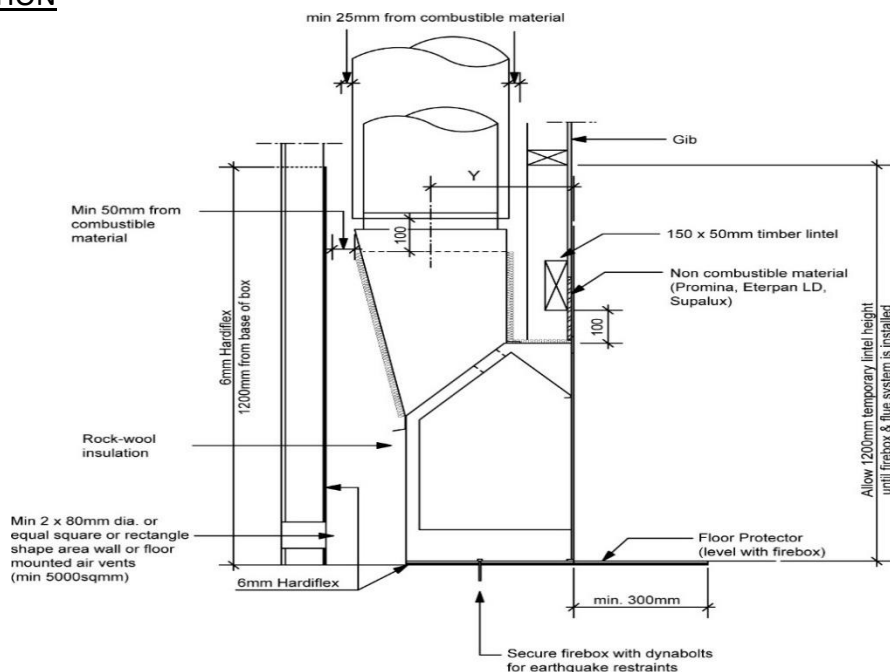


FIREBOX INSTALLATION

1. Fit and seal gather, using fire cement (exhaust cement) and bolts (supplied) to the convector box.
Note: Pop rivet back of gather to convector box if required.
2. Locate the position of convector box and gather in cavity.
3. Earthquake restraint holes are located under the cover where the receiver and battery pack are situated.
4. Attach rock wool to the sides and back of the convector box and gather. **Do not block off** the air entry between the inner flue pipe and flue pipe casing or the air circulation between the vent holes in the cavity.
5. Use one of the knock-out plates on the convector box for the Gas Line and the hole provided for the AC/DC Mains power lead.
6. A minimum 300mm non-combustible floor protector (hearth) is recommended in front of the convector box. Ensure that the material used is level with the convector box base.

CROSS SECTION

Fig 8.1



PLAN

Fig 8.2

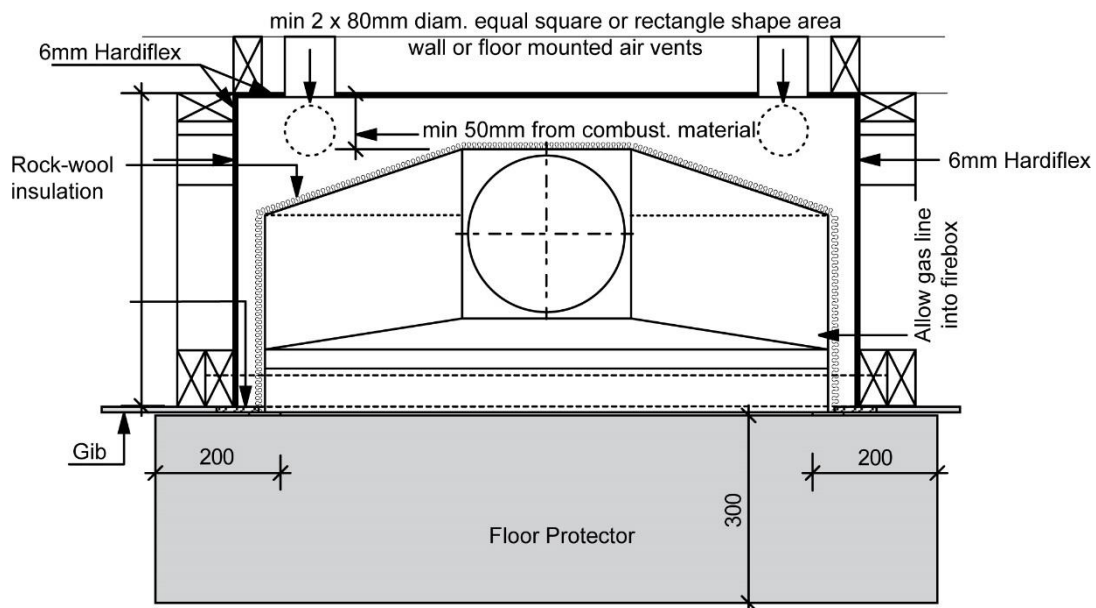
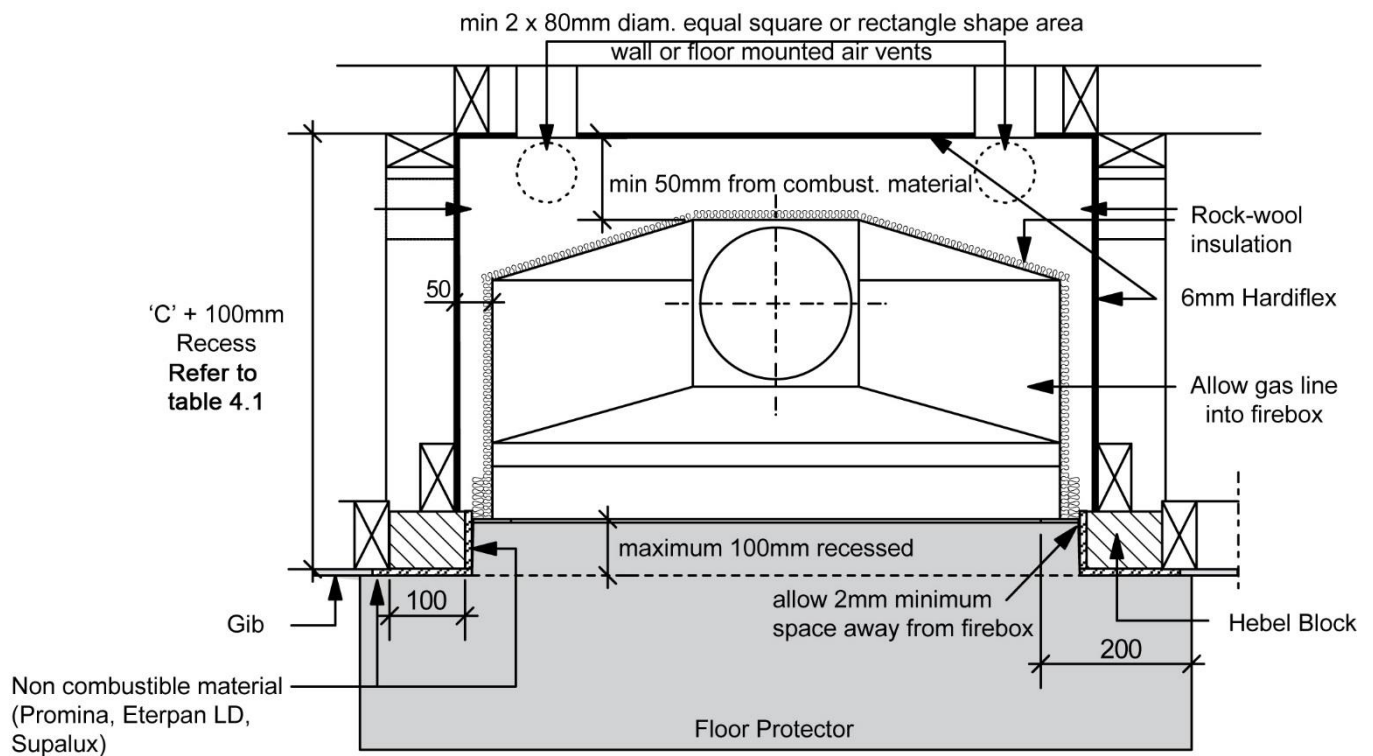
RECESS PLAN

Fig 8.3

Maximum Firebox Recess Value = 100mm

TYPICAL IN-BUILT INTO MASONRY

INSTRUCTIONS ARE FOR INSTALLATION INTO A COMPLETE MASONRY FIREPLACE CONSTRUCTION

IMPORTANT

CAVITY AND CHIMNEY CHASE MUST BE NON COMBUSTIBLE (NO COMBUSTIBLES)

Masonry Definition: Concrete Block, Brick, AAC Block, Solid Concrete

MINIMUM CAVITY SIZE (REFER TO PAGE 4 FOR FIREBOX DIMENSIONS)

Table 10.1

Model	A	B	Temporary Lintel	X min* Hearth	Y min* Hearth
700	800	450	1200	300	1100
850	950	450	1200	300	1250
1050	1150	450	1200	300	1450

CAVITY / FRAMING PREPARATION

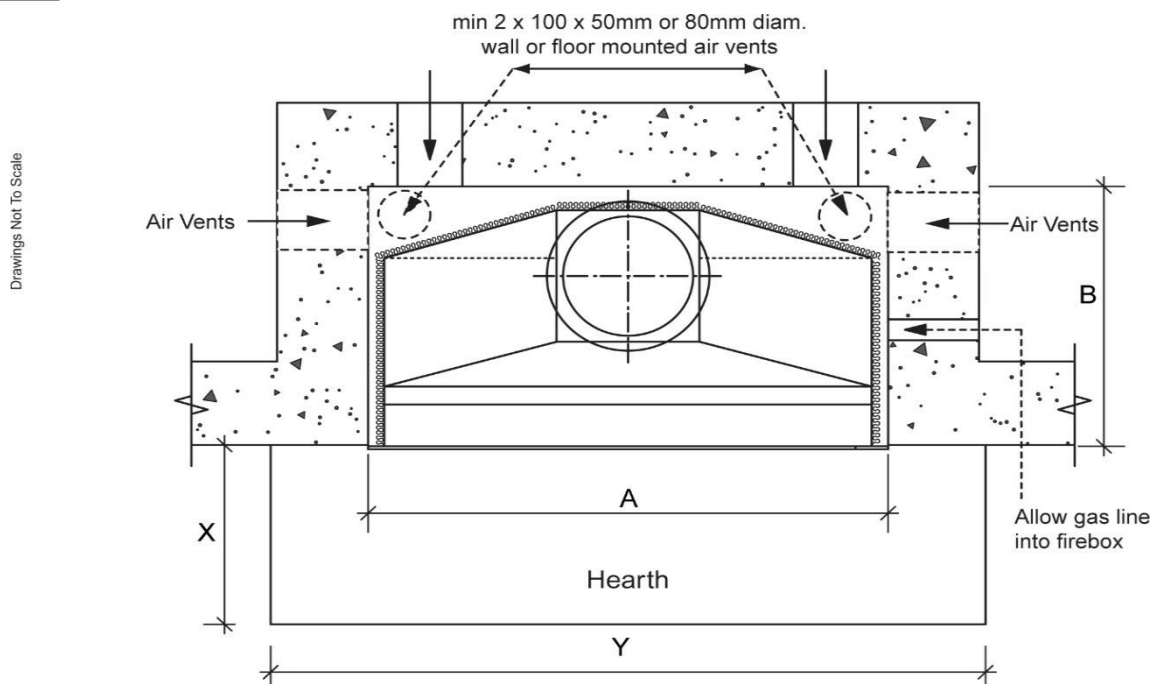
Refer to Table 10.1 for the minimum cavity dimensions and temporary lintel height measurements, until the convector box and flue system is installed.

Note: Temporary lintel height is measured from finished floor protector level.

Ensure suitable air vents (min. 2 x 80mm diameter or equivalent) are in place to vent firebox cavity. These may be located in the floor or in the side wall space. Make allowance (min. 2 x 80mm diameter or equivalent) at the top of the chimney chase, Table 10.1. Ensure vents are bird and vermin proofed.

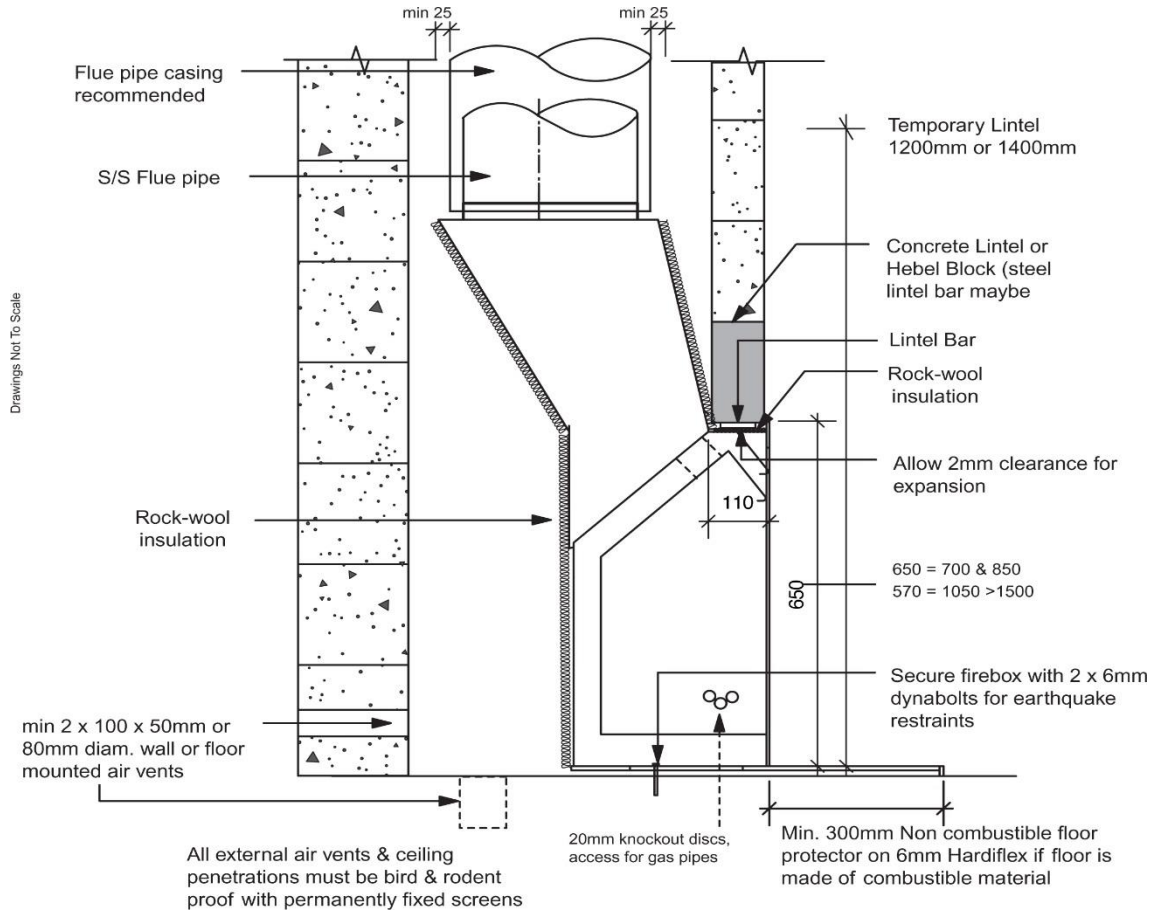
PLAN

Fig 10.1



CROSS SECTION

Fig. 11.1



RECESS PLAN

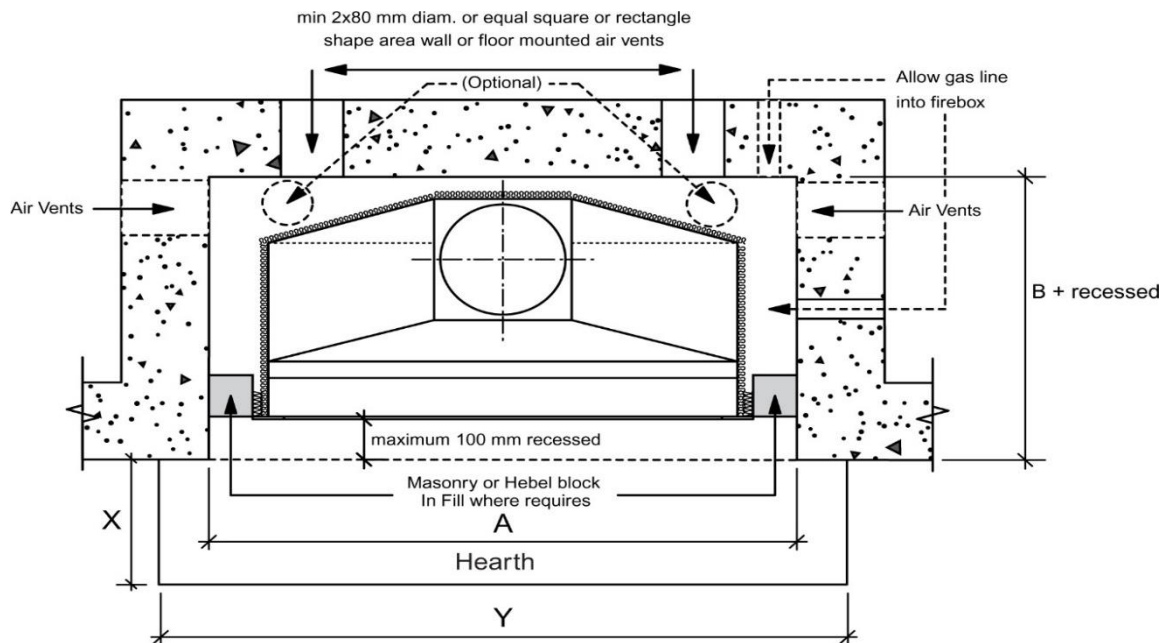
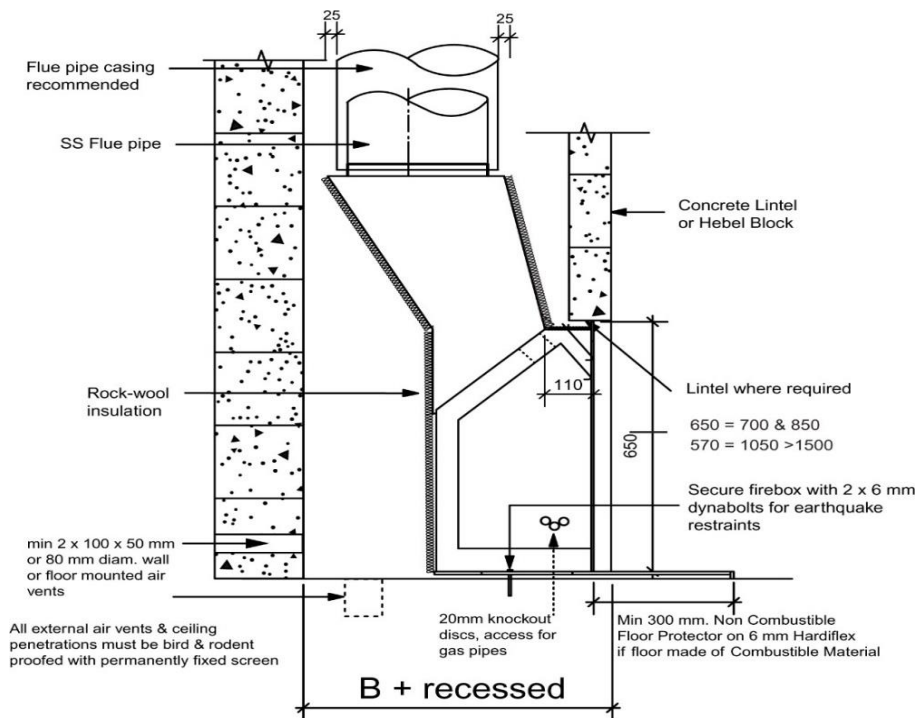


Fig 12.1

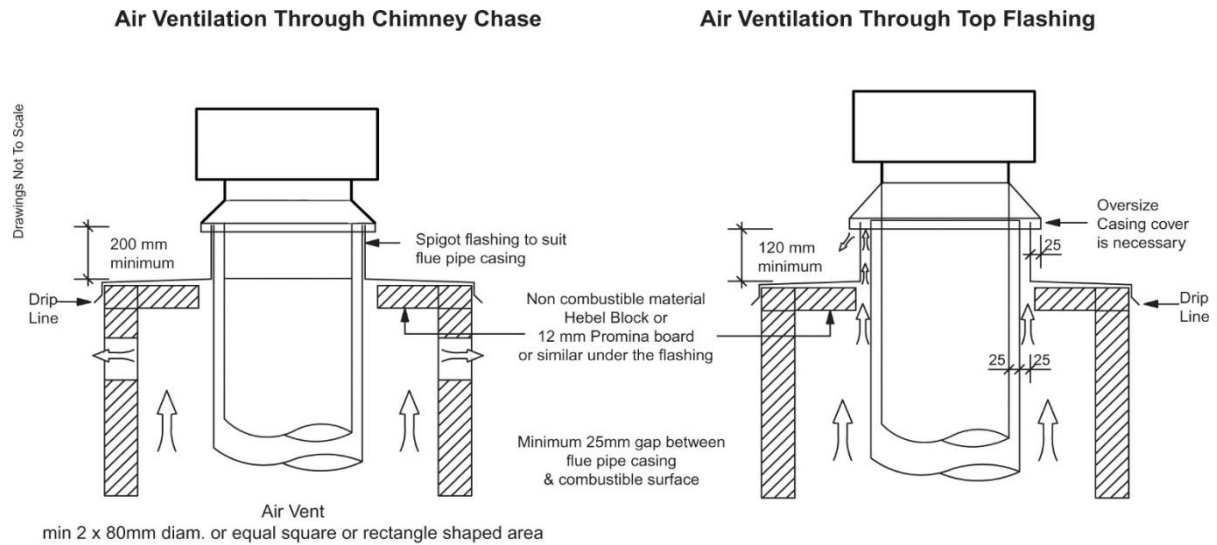
RECESS SECTION

Fig 12.2

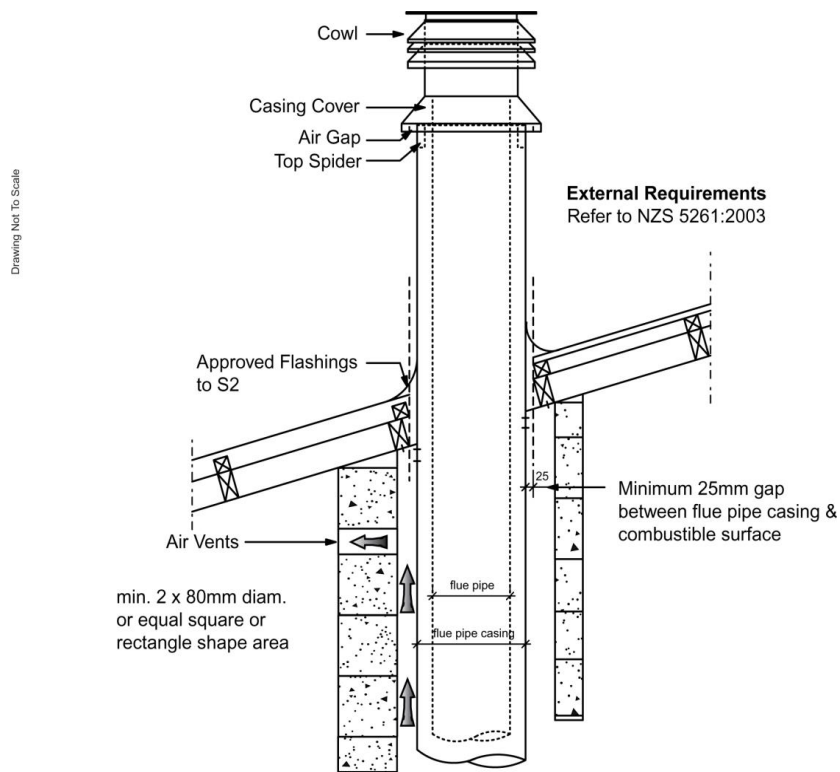


FLUE INSTALLATION As per AS/NZS 5263.0.2017 2.15.2.3. - DO NOT USE AN UNLINED MASONRY CHIMNEY AS THE FLUE FOR THIS APPLIANCE

1. Install first length of flue pipe crimped end down, inside gather collar. Rivet flue pipe in 3 places around gather collar. Place bottom flue spider bracket around gather flue pipe collar, secure in position by tightening up coach bolt / screw (supplied).
2. Install second length of flue pipe crimped end down and fix by riveting in at least 3 places around the flue pipe joint.
3. Install first length of the flue pipe casing by positioning on installed bottom flue spider bracket, crimped end up.
4. Position flue spacer at the flue pipe joint.
5. Repeat steps 1 - 4. As per manufacturer's recommendation, the flue pipe shall extend not less than 3.6m above the fire box.
6. The flue is required to be at least 500mm above the nearest point on any part of the building's roof and neighbouring buildings, if within a 3m radius. **Refer to AS/NZS 5601:2013; 6.9** for further information.
7. The last length of flue pipe needs to extend past the flue pipe casing by at least 150mm or flush with the top of the casing cover spigot when fitted. Sizing / measuring and cutting down should be carried out prior to the flue pipe casing being fitted over the flue pipe.
8. Before fitting casing cover, place the spider in opposition with the spider post facing down between the flue pipe and pipe casing. Secure spider in position. Place the casing cover over the flue pipe, press down firmly onto the spider. Check airway around the casing cover is clear, then secure in position using three stainless steel rivets.
9. Fit cowl to top of flue. **Do not rivet in position.** In high wind areas, it is recommended that the cowl be secured in position with a stainless steel self-tapping screw, this will enable the cowl to be removed for cleaning. Discuss bird proofing needs with your installer. N.B. in extreme wind areas it may be necessary to consult technical support personnel at The Fireplace Ltd., or your local agent for further technical assistance.
10. If the flue is installed in a chase, allow for air vents, (2 x 80mm diameter, or equivalent), at the highest possible point on the chimney chase. Alternatively, allow a min. 25mm air space between the casing cover spigot and the outer casing. Refer to Figure 13.1

CHIMNEY CHASE AIR VENTILATION**Fig 13.1**

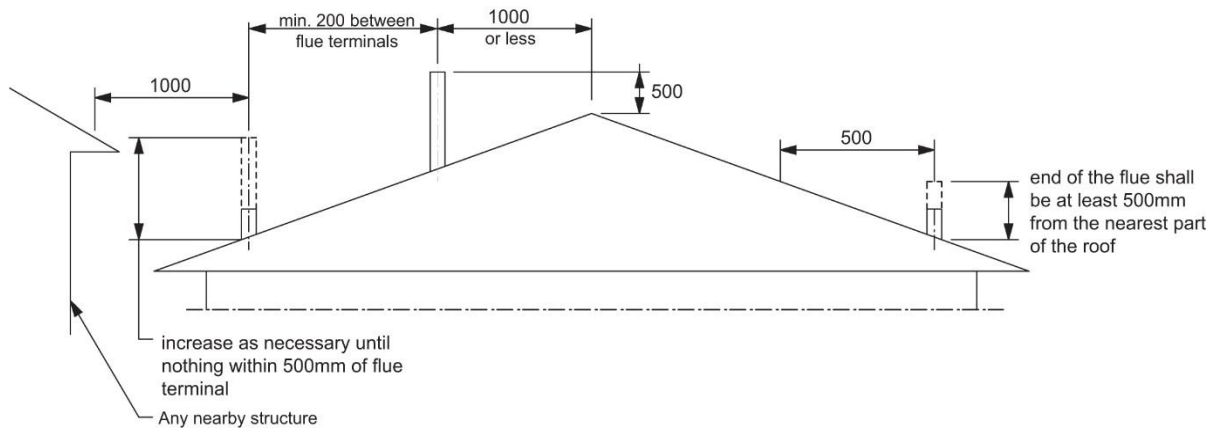
Note: All external air vents & ceiling penetrations must be bird & rodent proofed with permanently fixed screens

FLUE PENETRATION**Fig 14.1**

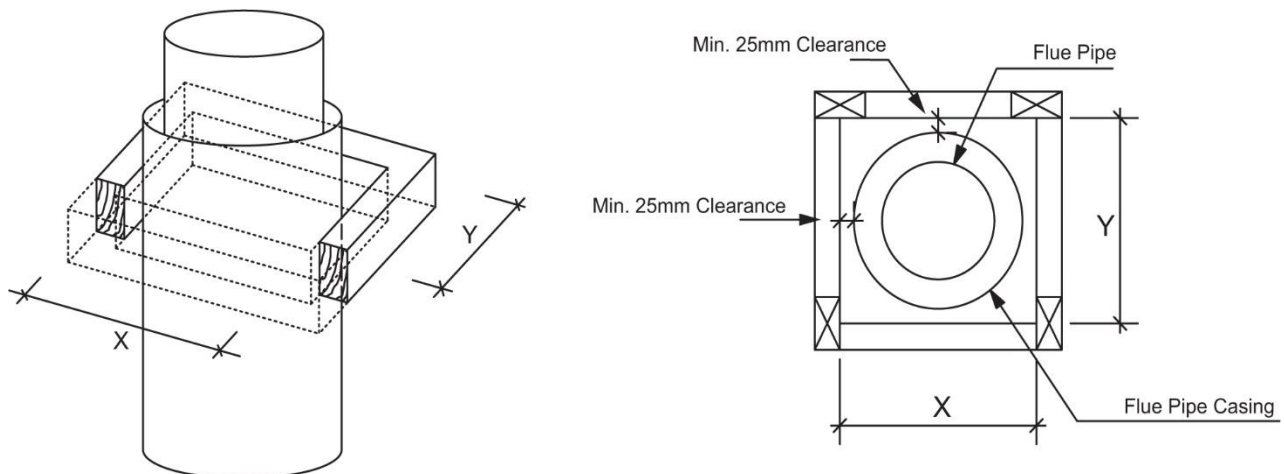
Note: All external air vents & ceiling penetrations must be bird & rodent proofed with permanently fixed screens

MINIMUM HEIGHT OF FLUE SYSTEM EXIT**Fig 14.2****Refer to AS/NZS 5601:2013 Flue Terminations**

As per NZS 5261:2003 2.6.1.3 Flue Terminals

**CHIMNEY CHASE MINIMUM TRIM OUT****Table 15.1**

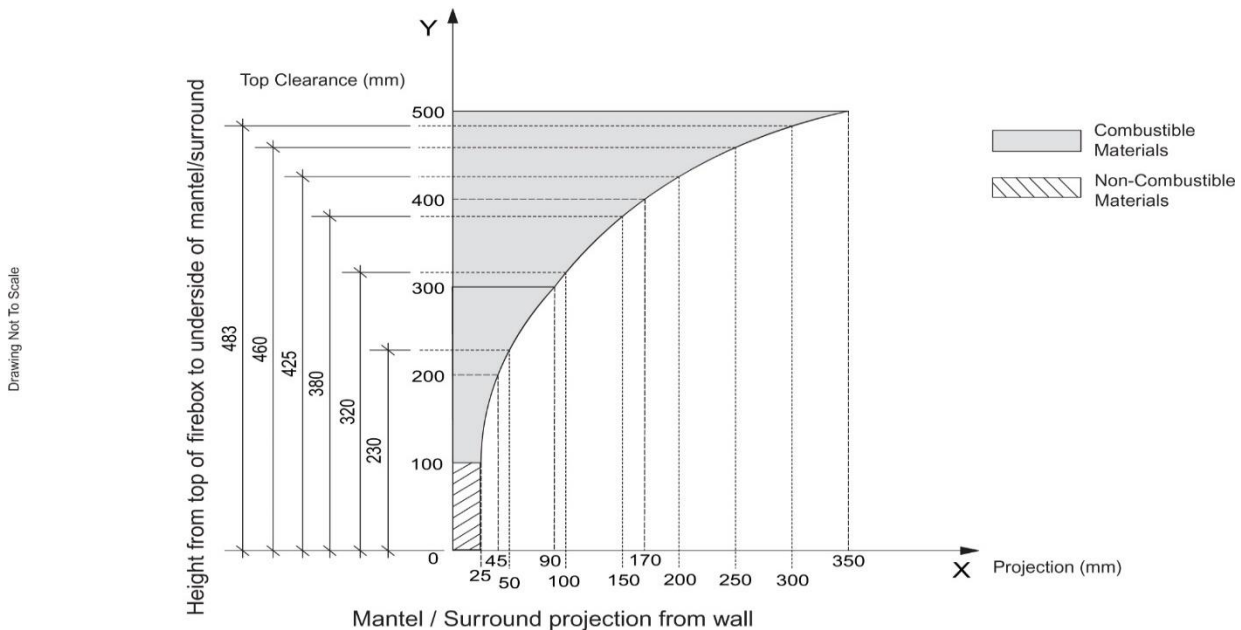
Model	Flue System	Minimum Trim Out Dimension	
		X (min)	Y (min)
700	200/250	300	300
850	250/300	350	350
1050	250/300	350	350

Note: A minimum 25mm clearance from flue pipe casing to combustible material must be maintained.**Fig 15.1**

CLEARANCE TO COMBUSTIBLE MANTELS

If you are using a decorative surround constructed of combustible material, it must be located within the shaded area defined in Fig. 15.2

Fig 15.2

GAS GRATE INSTALLATION**Gas Supply:**

The gas supply to the gas grate must first be routed through the right hand side panel of the firebox. It is recommended that allowance is made for enough pipe length to reach at least one third into the box. The gas grate is positioned into the box, resting on the floor panel, with the gas valve inlet connection facing to the right hand side.

Note: The holes / knock-out plates provided at the bottom on the right hand side panel of the firebox should align with the gap between the gas grate's support legs. Do not fasten as yet. The gas supply pipe thus enters the firebox above the base plate to terminate under the gas grate where it can then be connected to the gas valve.

An in-line shut-off valve, supplied by installer is recommended to facilitate convenient gas supply shut-down, when needed.

Connect the gas supply pipe directly to the inlet connection of the gas valve. The connection on the valve is a **3/8" NPT or 1/2" NPT** thread.

Mains Power supply:

Operation of this gas grate requires a single phase 230 Volt mains power supply. The power supply should terminate in a suitable electric switchbox equipped with an external power isolating switch and located ideally on the left hand side of the fireplace, but near the firebox. This box to be suitably dimensioned to accommodate a hard-wired AC / DC Adaptor / Transformer, which serves to transform the Mains 230 Volt AC down to 6,5 Volt DC current.

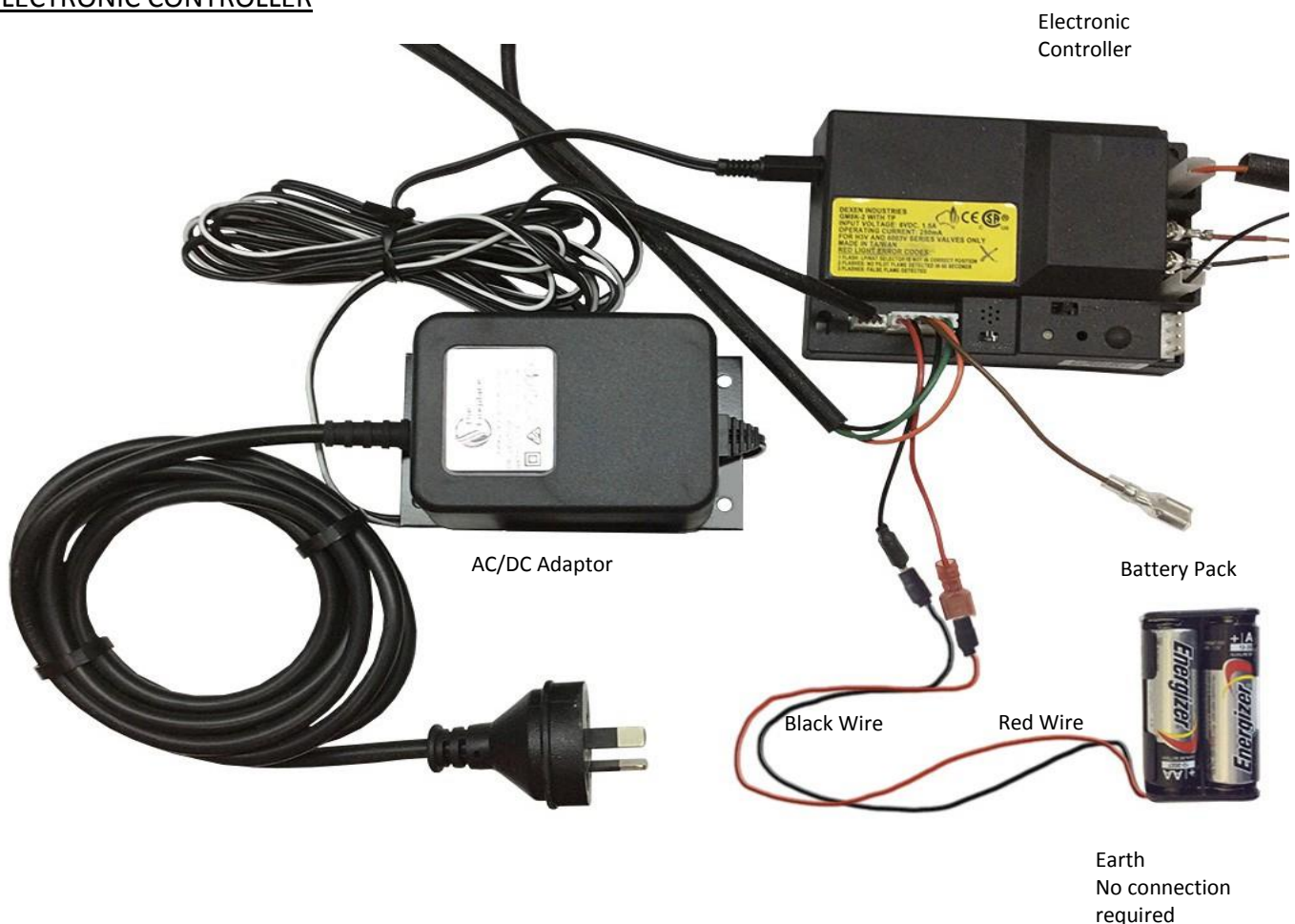
Alternatively, if an AC /DC Adaptor fitted with an NZ plug is to be used instead of the hard-wired equivalent, the switch box has to feature a suitable power socket, for the adaptor to be plugged in.

From the switch box, - usually mounted sub-surface with a suitable decorative access panel, a conduit has to be routed to the bottom, left hand side of the firebox where a hole has been provided to facilitate entry. With the conduit in place, the cable from the AC/DC Adaptor can now be run to the cavity space below the base, the gas grate is meant to stand on.

This cavity, accessible by means of a removable panel, forms part of the fireplace convection system, designed to draw ambient temperature air from the room for heating up whilst travelling under and up behind the inner chamber, for expulsion out of the fireplace at the louvre level. Components, such as the electronic controller and optional stand-by battery pack will thus be housed in a well-ventilated, heat-shielded space, underneath the panel the gas grate is standing on.

Fig 16.1

ELECTRONIC CONTROLLER



MAINS POWER ADAPTOR

The adaptor supplied has a 1.8m long AC power lead with an NZ mains plug. The DC lead is 2.9m long and fitted with a 2.1mm insert pin to connect to the electronic control box (module). If the unit is to be hard wired a standard PDL isolating wall switch (not supplied) will be required.

CONTROLLER PRE-SELECTION

The electronic control module has an “ON / OFF / REMOTE” Selector switch that must be set according to the required operating mode.

“OFF” Position:

Appliance will ignore all power inputs and will not respond to any command from a wall switch or remote control hand-set. The unit should stay in the “OFF” position during installation, service, battery installation, fuel conservation and in the event that the controller into “LOCK-OUT” mode as the result of an error code.

“On” Position:

The unit will light and run continuously in the “Hi” flame setting, with no adjustment in flame output possible. This mode of operation is primarily used for the initial installation process or in the event of a hand-set loss.

“Remote” Position:

The appliance will take commands from the wireless remote control hand-set.

Fig 16.2

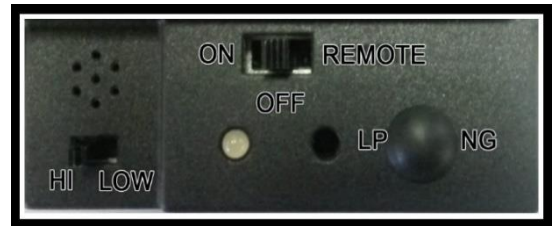
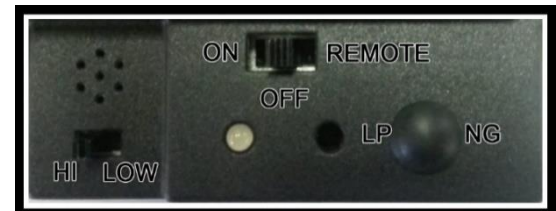


Fig 16.3

The electronic control module has an “LP / NG” Gas supply selector switch, that must be set in accordance with the relevant gas type.

- Remove the dome cap situated between the LP and NG gas type identification.
- Select the appropriate gas type and replace the dome cap.



1. The control module is equipped with a safety feature that will automatically shut down the appliance after 9 hours of continuous operation without receiving a command from the remote control.
2. Module Reset: This module may cause a Lock-out scenario under certain conditions. When this occurs, the appliance will not ignite or respond to commands. The module will go into Lock-out with 3 audible beeps thereafter continuously displaying an error code at its indicator LED light.
 - Locate control modules selector switch and move the selector switch to the “Off” position;
 - Wait 5 minutes to allow any gas, possibly accumulated, to clear;
 - Move the modules selector switch to the “ON” or “Remote” position;
 - Start the appliance

LAYING THE VERMICULITE AND COALS:

- **Only** make use of Jetmaster supplied Vermiculite and coals;
- **Only** use the larger vermiculite pieces from the top of the bag it is supplied in;
- **Discard** the very fine pieces and Vermiculite dust from the bottom of the bag;

1. Vermiculite:

Place the Vermiculite into the burner tray until it is right up to the level of the top of the edges of the tray. Do not allow the vermiculite level to be lower than the top of the vertical containment panels of the tray.

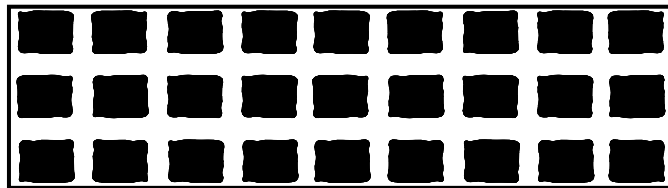
IMPORTANT

When laying the coals on the bed of Vermiculite, the spacing between the individual coals must not be less than 20 mm. This permits gas to flow between coals and result in a better flame presentation. The bottom layer of coals must always stay in the same configuration.

2. Coals:

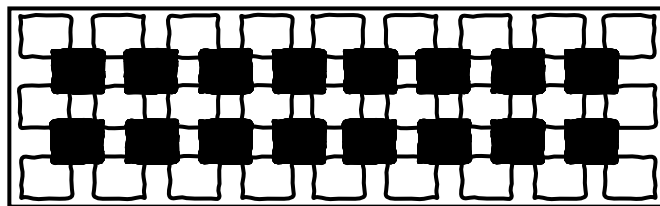
Start by placing three rows of coals, as the bottom layer. Ensure that the coals are evenly spaced and preferably each row must be parallel to each other, to form a base to position other coals on top.

Fig 17.1



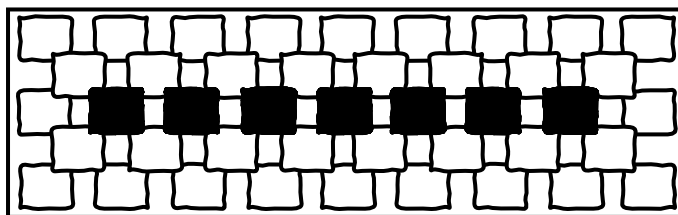
Next, there are two middle rows. It is very important that the coals are arranged as shown in Fig. 17.2. This will then allow the flames to penetrate through the gaps between the coals evenly and no obstructions will occur. Both rows must be stacked the same, to ensure free-flowing flames.

Fig 17.2



There is only one top row. This row must be stacked in the same manner as the middle row. Each top row coal must be placed centrally on top of four, middle layer coals. Once again this ensures even spacing, so that the flames can move freely.

Fig 17.3



The number of coals per level is as follow:

Table 17.1	Model size	Bottom	Middle	Top	Total
	700	3 x 9	2 x 8	7	50
	850	3 x 10	2 x 9	8	56
	1050	14 + 13 + 14		13 + 13	67

3. Additional Information:

Jetmaster suggests that the coal lay-out should be as in the previous section, but if the arrangement is not desirable, it could be modified within limitations.

However, the bottom layer must always remain the same.

The next two layers can be re-arranged, but care must be taken in regard to the size of gaps between the layers of coals. This is to ensure that the flames are evenly spread across the gas grate and that no flame obstructions will occur.

When coals are re-arranged take note of the following steps:

- Build the coal bed (first layer) as outlined in the previous section, then light up and place the remaining coals, one by one, watching the effects as each addition heats up.

Care must be taken to handle the coals with suitable implements (e.g. barbeque tongs), avoiding loose-sleeved garments and remembering that if a coal is removed it remains very hot for several minutes and must not be placed onto combustible material.

- Care should be taken to ensure the correct quantity of coals is used. See the Packing List, Fig. 17.1, for the correct quantities.
- The aim is to create gaps through which flames may rise and wrap themselves around each coal in order for the coal to heat up and become incandescent and present a red radiance.

The gaps and approximate distances between adjacent coals are critical; however, the coals can also be arranged slightly non-symmetrical in order to create a different fire effect.

- The remaining coals of the top layer should be placed one by one using tongs and over the most prominent flames that have found their way through the two base layers. This causes each flame to bush out and wrap around that coal, creating a look of incandescence.

NOTE: When laying the coals on the grate, the gaps between the coals must not be less than 20mm.

COMMISSIONING**IMPORTANT**

BEFORE COMMISSIONING THE GAS GRATE, FIRST CHECK FOR GAS LEAKS!

It is important to ensure that there are no gas leaks before commissioning the burner. It is the responsibility of the gas installer to ensure that a leak testing method, suitable for the specific installation is being used.

Before commissioning, gas leaks can be detected only between the supply point and the inlet to the appliance. Once the appliance is operational, an additional check must be done for leaks inside the appliance.

When the appliance is commissioned for the first time, or when it has not been operational for a long period of time, air might be trapped in the gas supply line. In these cases the air should first be purged from the line to ensure a constant flow of gas. Undoing the screw in the test point for inlet pressure, (see sketch below), will allow gas to flow and assist with purging.

Allowing excess gas to escape during purging might cause a dangerous build-up of gas in the room. Purge for short periods only and repeat if necessary.

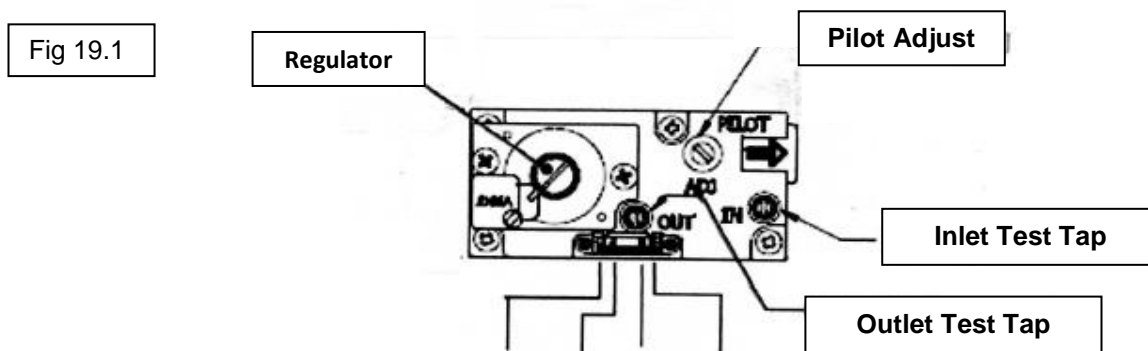
The minimum static gas pressure to the burner and dynamic supply (working pressure), is as stated on the Data Label and in Table 3.2.

An inline regulator is provided with each appliance. This must be adjusted to the required kPa pressure

The static gas pressure measured when there is no gas flowing through the burner will always be higher than the dynamic gas pressure, when the burner is operational and gas is flowing through it.

With the pressure gauge still connected to the inlet pressure test point, switch on the burner. Once the flame has been established, verify that there are no gas leaks underneath the burner tray. It is the responsibility of the gas installer to ensure that a leak testing method, suitable for the specific installation is being used. A soapy water solution being sprayed onto all joints is recommended.

Verify that the gas supply (working) pressure to the unit is at least the indicated minimum shown on the data plate and Table 3.2, while the unit is in operation. If the pressure drops below this point, then adjustments must be made to the regulator supplying gas to the appliance.



This unit has been factory set to the correct outlet pressure, provided that the inlet pressure is above the minimum as indicated above. If however the flames still appear weak, first follow the procedures listed in the fault finding section before attempting to adjust the outlet pressure

SETTING THE OUTLET PRESSURE

IMPORTANT



**THESE SETTINGS CAN ONLY BE PERFORMED BY A CERTIFIED GAS INSTALLER.
FAILING TO ADHERE TO THIS WILL RESULT IN THE WARRANTY BECOMING VOID.**

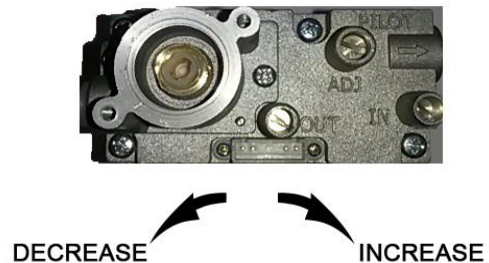
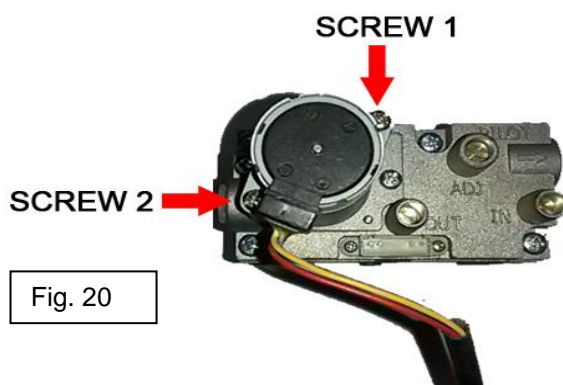
The settings should be done while the unit is in operation.

Connect the pressure gauge to the outlet pressure test point on the valve. The connection must be done before switching the burner on to prevent gas leaks.

Adjustment of the pressure regulator of Control Module 6003V and 6003V-K

- a.) Install a pressure reading device to the outlet pressure tap.
- b.) Unscrew the two screws on the regulator as seen in Fig. 20 on the regulator.
- c.) Inside the regulator the plastic adjusting screw can be turned to set the minimum and maximum pressure. To increase pressure, turn screw clockwise. To decrease pressure, turn screw counter-clockwise.
- d.) Replace regulator screws.
- e.) Carefully tighten screws.

Model 6003V-K has a manual Hi / Lo flame adjustment. The high and low setting is adjusted by a rotating knob on top of regulator.



OPERATION INSTRUCTIONS



WARNING

IF A GAS SMELL IS DETECTED, IRRESPECTIVE OF WHETHER THE UNIT IS IN OPERATION OR SWITCHED OFF, ACTION MUST BE TAKEN IMMEDIATELY!

SWITCH THE UNIT OFF!

**SHUT DOWN THE GAS SUPPLY TO THE UNIT AT THE VALVE!
CONTACT A GAS FITTER!**

TURNING ON / OFF

1. To ignite the burner press the 'ON / UP' button on the remote control hand-set;
2. To adjust the flame height press the "FUNC" button:
 - a. -To increase the flame height press the 'ON / UP' button
 - b. -To decrease the flame height press the 'OFF / DOWN' button

Note: The flame adjustment has 5 settings (1= lowest and 5 = highest)

3. -To set the thermostat temperature press the "TEMP" button
4. -To switch the burner off press the 'OFF / DOWN' button

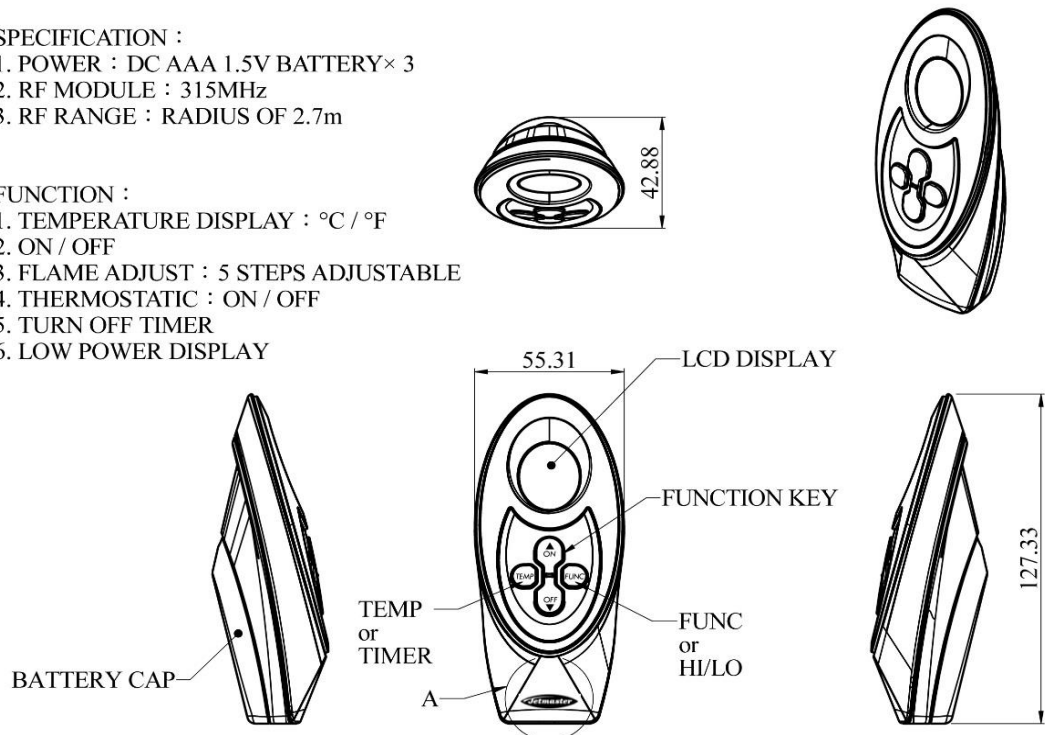
Fig 22

SPECIFICATION :

1. POWER : DC AAA 1.5V BATTERY× 3
2. RF MODULE : 315MHz
3. RF RANGE : RADIUS OF 2.7m

FUNCTION :

1. TEMPERATURE DISPLAY : °C / °F
2. ON / OFF
3. FLAME ADJUST : 5 STEPS ADJUSTABLE
4. THERMOSTATIC : ON / OFF
5. TURN OFF TIMER
6. LOW POWER DISPLAY



DESIRED FLAME / FLAME ABNORMALITY

The unit is designed to have a distorted flame pattern along the full length of the burner.

If the following should occur, switch the unit off and resort to FAULT FINDING SECTION on page 22.

- A flame condition which results in appreciable yellow tipping and carbon deposition, lifting, floating, lighting back or objectionable odour
- Uneven flame, e.g. flame burning higher on the one side.

PAIRING THE REMOTE CONTROL

To pair the remote use a pin and press the reset button on the control board as indicated in Fig. 21;

Fig 21



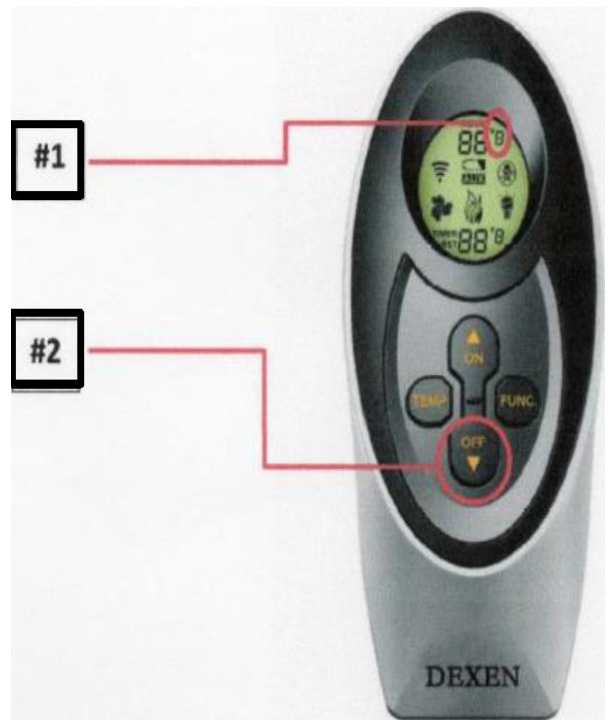
Once the control board gives off a single beep and the LED flashes just once, press the “ON / UP” button on the remote hand-set. The control board will then beep twice, as soon as the device is paired.

REMOTE CONTROL HAND-SET OPERATING INSTRUCTIONS

HOW TO CHANGE TEMPERATURE SETTINGS: FROM FAHRENHEIT TO CELSIUS: ("F" IS DEFAULT)

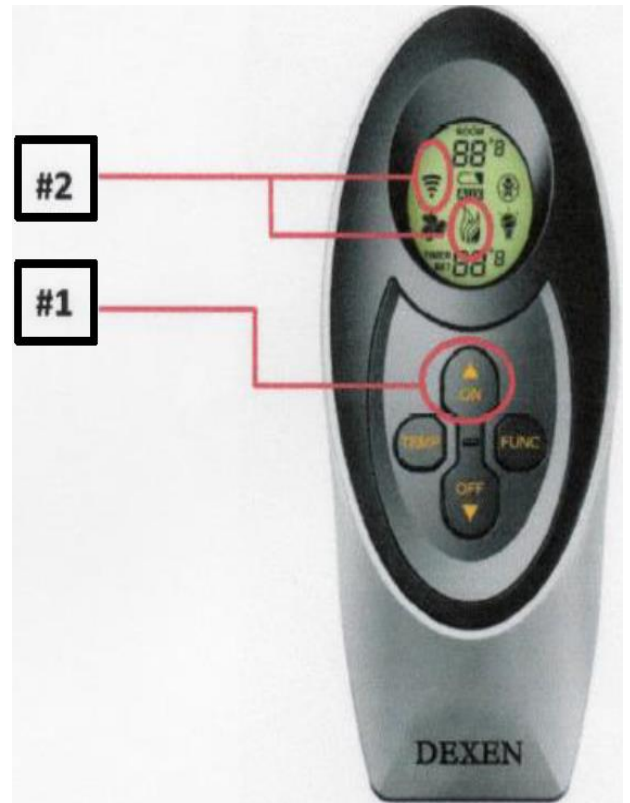
1. ON THE UPPER RIGHT HAND CORNER OF THE DISPLAY, "F" SHOULD BE FLASHING FOR 5 SECONDS WHEN THE POWER SUPPLY IS FIRST CONNECTED OR THE STAND-BY BATTERIES ARE FIRST INSTALLED.
2. THE FLASHING "F" ICON WILL CHANGE TO "C" AS SOON AS THE “OFF” KEY IS PUSHED.
3. IN ORDER TO CHANGE FROM "C" BACK TO "F" RESET THE REMOTE BY REMOVING AND RE-INSTALLING THE BATTERIES.

“C” IS CENTIGRADES / “F” IS FAHRENHEIT.



HOW TO TURN THE SYSTEM ON:

1. PRESS THE "ON" KEY TO START THE IGNITION SEQUENCE.
2. THE FLAME ICON AND TRANSMISSION BARS WILL APPEAR ON THE SCREEN.
3. THE PILOT WILL SPARK AND THEREAFTER THE PILOT WILL IGNITE.
4. THE BURNER WILL LIGHT AN HOLD MAXIMUM FLAME SETTING FOR 10 SECONDS, WHEREAFTER IT WILL RETURN TO THE LAST PROGRAMMED SETTING.

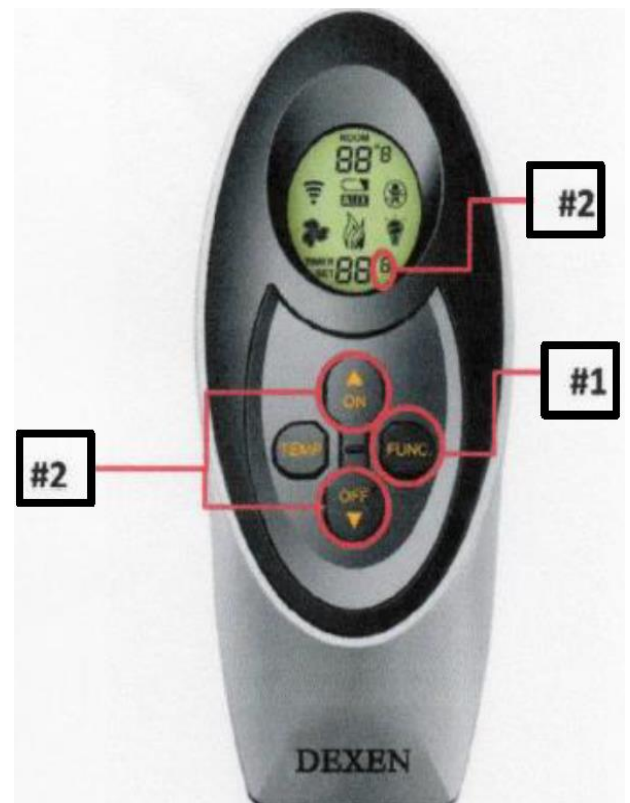


FLAME HEIGHT ADJUSTMENT:

THE SYSTEM HAS 5 FLAME ADJUSTMENT STEPS:

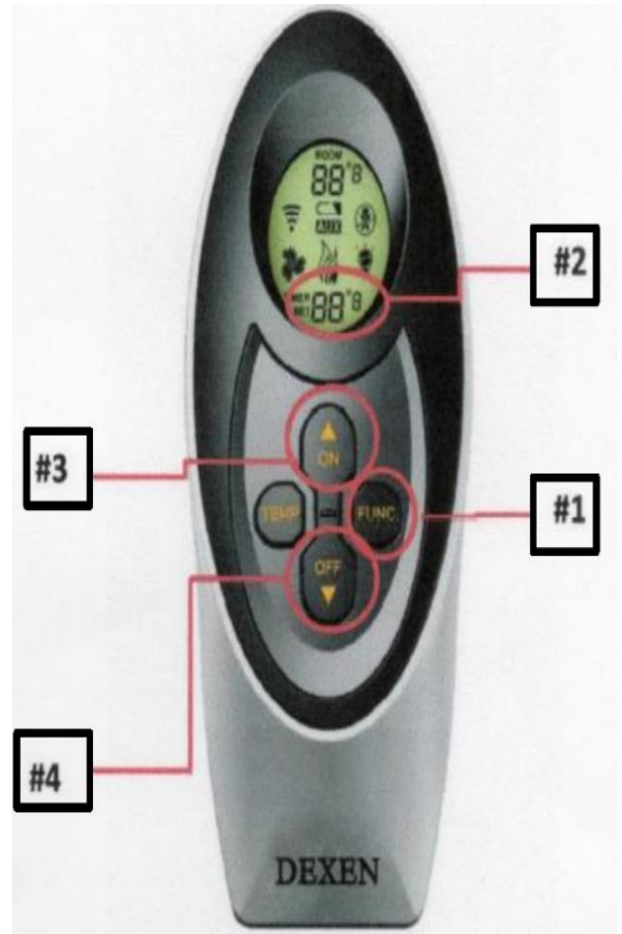
- 5 (MAX)
- 4 (HIGH)
- 3 (MEDIUM)
- 2 (LOW)
- 1 (MINIMUM)

1. PRESS THE FUNTION KEY ONCE. THE FLAME ICON WILL FLASH AND A NUMBER WILL APPEAR.
2. USING THE "ON" OR "OFF" KEY, PUSH EITHER THE "ON" TO INCREASE THE FLAME HEIGHT, OR THE "OFF" KEY IN ORDER TO DECREASE THE SAME.



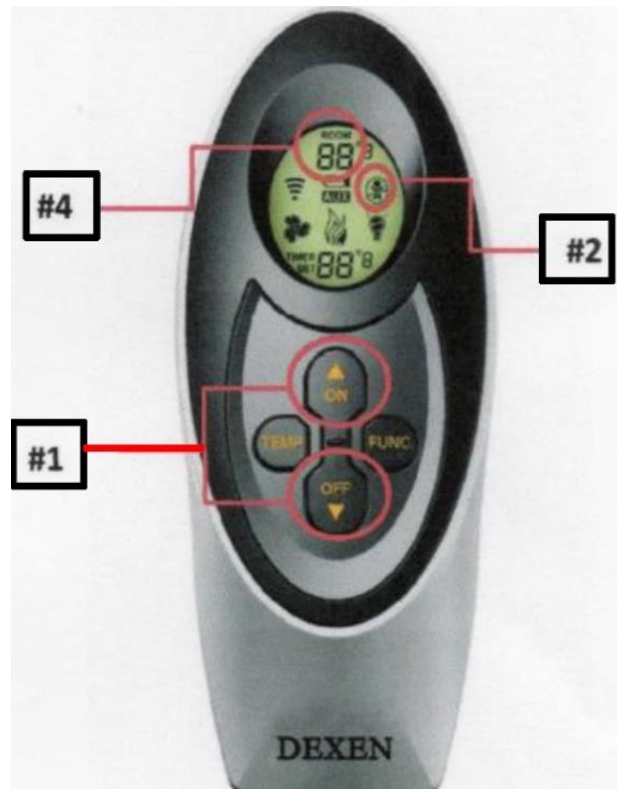
TURN ON THE TIMER:

1. PRESS THE "FUNCTION" KEY 5 TIMES.
2. THE TIMER AND "00" WILL FLASH AT THE BOTTOM OF THE LCD SCREEN.
3. IN ORDER TO SET THE TIMER PRESS THE "ON" KEY TO INCREASE THE AUTOMATIC SHUT-DOWN TIME SPAN.
4. EACH TIME THE "ON" KEY IS PRESSED, IT WILL INCREASE THE DELAYED SHUT-DOWN BY 10 MINUTES.
5. EACH TIME THE "OFF" KEY IS PRESSED IT WILL DECREASE THE TIME SPAN BY TEN MINUTES.
6. THE TOTAL AVAILABLE TIME SPAN IN THE TIMER MODE IS 90 MINUTES.
7. TO TURN OFF THE TIMER FUNCTION PRESS THE "OFF" KEY AFTER THE TIMER ICON HAS STOPPED FLASHING. THIS WILL DEACTIVATE THE FEATURE.



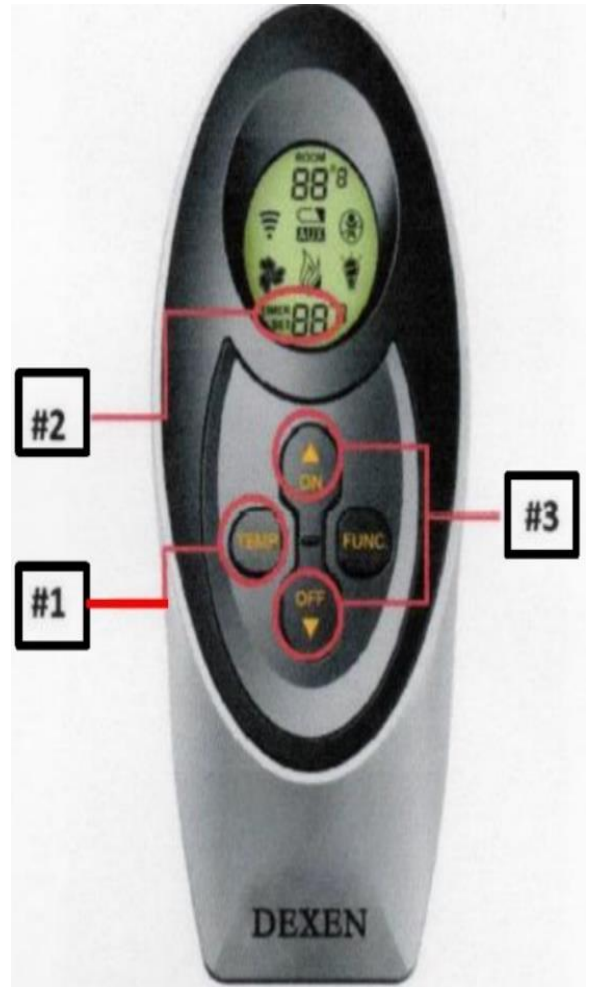
TURN ON THE CHILD LOCK FEATURE:

1. PRESS BOTH THE "ON" AND "OFF" KEYS AT THE SAME TIME FOR 3,5 SECONDS.
(NOTE: THE REMOTE DOES NOT HAVE TO BE ON)
2. THE CHILD LOCK ICON WILL APPEAR ON THE RIGHT HAND SIDE OF THE LCD DISPLAY AND THE ROOM TEMPERATURE ICON WILL TURN OFF.
3. TO TURN THE CHILD LOCK OFF, PRESS BOTH THE "ON" AND "OFF" KEYS AT THE SAME TIME FOR 3,5 SECONDS.
4. THE CHILD LOCK FEATURE IS DEACTIVATED, WHEN THE ROOM TEMPERATURE ICON RE-APPEARS ON TOP OF LCD DISPLAY.



HOW TO SET THE THERMOSTAT:

1. PRESS THE TEMPERATURE KEY TO SELECT THE TEMPERATURE ADJUSTMENT MODE.
2. AT THE BOTTOM OF THE LCD DISPLAY, THE ICONS "SET" AND "TEMPERATURE" WILL APPEAR.
3. USING THE "ON" OR "OFF" KEY ONE CAN NOW INCREASE OR DECREASE THE DESIRED TEMPERATURE.
4. PRESS TEMPERATURE KEY AGAIN TO ACTIVATE THIS FEATURE.
5. THE SYSTEM WILL TURN OFF AUTOMATICALLY WHENEVER A TEMPERATURE OF MORE THAN 4 DEGREES FAHRENHEIT ABOVE THE PRE-SET TEMPERATURE IS REACHED.
6. THE SYSTEM WILL TURN BACK ON AUTOMATICALLY WHENEVER A TEMPERATURE OF 4 DEGREES FAHRENHEIT BELOW THE PRE-SET TEMPERATURE IS REACHED.
7. TO DISENGAGE THE PRE-SET TEMPERATURE MAINTENANCE FEATURE, PRESS THE "OFF" KEY.



BACK LIGHT:

THE BACK LIGHT ON THE LCD SCREEN WILL ACTIVATE WHEN YOU PRESS ANY KEY.

LOW BATTERY:

THE LOW BATTERY ICON WILL APPEAR WHEN THE BATTERY CAPACITY IS LOWER THAN 3.5 VCD.



PLEASE NOTE: THE STAND-BY BATTERY PACK IS AN OPTIONAL EXTRA AND HAS THE FUNCTION TO ALLOW THE CONTINUED OPERATION OF THE FIREPLACE FOR A LIMITED PERIOD OF A FEW HOURS IN THE EVENT OF A GENERAL POWER FAILURE.

THIS BATTERY PACK IS NOT AN ALTERNATIVE TO THE REQUIRED SINGLE PHASE MAINS POWER SUPPLY STIPULATED ELSEWHERE IN THIS DOCUMENT.

MAINTENANCE

SCHEDULED MAINTENANCE

It is recommended that the unit be inspected annually. It is advisable to do this inspection before winter season. It is essential that gas fires are serviced on an annual basis. Particularly those operating off an LP Gas cylinder, where sludge and condensate can accumulate in the pipework, gas valves and carbon deposits can form around the coals.

During this inspection the following should be checked:

- Check for gas leaks in the supply line and on the gas grate itself.
- Ensure that granular Vermiculite is not clogged in any way or condensed with Vermiculite fine dust. (Replace if necessary)
- Ensure that coal layout is correct.
- Remove excess dust from the exterior of the unit.
- Ensure all electrical connections are sound.
- Check soundness of spark cable. Verify that the spark is generated on the pilot unit.
- Brush off carbon deposits that may have accumulated on the burner.

FAULT IDENTIFICATION:

The following table lists typical symptoms and provides information in regard to remedial actions to be taken. Should these actions not resolve the problem then a Jetmaster service technician must be consulted.

SYMPTOM	ACTION TO BE TAKEN
Gas smell	<ul style="list-style-type: none"> • Immediately shut off the gas supply to the unit at the valve. • Contact a qualified service technician.
Unit does not ignite after several attempts.	<ul style="list-style-type: none"> • Check that the gas supply valve is in the open position. • Ensure that gas supply line has been purged to flush out any air. • Reset the unit by switching off for 30 seconds. • If the problem persist, contact service technician.
No spark is generated when unit is switched "ON".	<ul style="list-style-type: none"> • Ensure that the batteries connected are not low or dead. • Ensure that the "On / Off" switch functions properly and provides mains electricity to the AC /DC adaptor when in the "ON" position. • Ensure that connections on the appliance are in place and properly connected.
Flame does not travel to either end of the burner tray.	<ul style="list-style-type: none"> • Check that the dynamic gas supply pressure is correct, while the burner is operating. • Check that the granular vermiculite is not compressed or condensed into clumps that do not allow unobstructed flame travel. Loosen vermiculite or replace if of a dusty consistency.
Flames are weak or very high flame pattern.	<ul style="list-style-type: none"> • Check that the dynamic gas supply pressure is correct, while the burner is operating.
Excess soot build-up on coals.	<ul style="list-style-type: none"> • Ensure that no coals obstruct the flame channel. See section on coal placement. • Check that the granular Vermiculite is not compressed in clumps that do not allow flame travel. Loosen vermiculite and / or replace.
Remote not responding.	<ul style="list-style-type: none"> • Ensure that the batteries in the hand-set are not run down or dead. • Reset appliance and pair the remote hand-set to the control board as described on page 22.

DYNAMIC = When Valve is open and gas flow is present (Lower Pressure Reading)

STATIC = When Valve is closed and gas flow is stopped (Higher Pressure Reading)

ERROR CODE IDENTIFICATION:

FAULT CODE:	FAULT IDENTIFICATION:	RECTIFICATION:
RED FLASH x 1 / GREEN FLASH x 1	LPG / NG SELECTOR IS IN THE INCORRECT POSITION	SELECT APPROPRIATE SWITCH SETTING IN ACCORDANCE WITH GAS SUPPLY TYPE.
RED FLASH x 2 / GREEN FLASH x 2	NO PILOT FLAME DETECTED WITHIN 60 SECONDS. THIS FAULT CODE CAN APPEAR IN THE "GAS ON", AS WELL AS "GAS OFF" SITUATION. POSSIBLE REASONS: GAS SUPPLY LINE CONTAINS AIR DUE TO INSUFFICIENT PURGING; GAS SUPPLY PIPE IS NOT CONNECTED; GAS VALVE IS IN THE CLOSED POSITION.	VERIFY CORRECT GAS LINE CONNECTION; PURGE GAS LINE BRIEFLY BY ADHERING TO CORRECT SAFETY PROCEDURE; CHECK AND OPEN GAS VALVE.
RED FLASH x 3 / GREEN FLASH x 1	FALSE FLAME DETECTED PRIOR TO THE IGNITION CYCLE.	POTENTIAL CAUSE 1 IS A HOT FLAME SENSOR, WHICH WILL REGISTER ON THE CONTROL MODULE AS A FALSE FLAME. ALLOW A SHORT PERIOD OF TIME AND THEN INITIATE THE START-UP PROCESS. NOTE THAT RESTARTING THE UNIT WITH AN ELEVATED FLAME SENSOR TEMPERATURE WILL RESULT IN THE SAME ERROR CODE. POTENTIAL CAUSE 2 COULD BE A FAULTY FLAME SENSOR, WHICH WILL REQUIRE THE REPLACEMENT OF THE PILOT ASSEMBLY.
GREEN FLASH x 2 - RECURRING	REMOTE CONTROL HAND-SET AND ELECTRONIC CONTROLLER ARE NOT PAIRED CORRECTLY.	PAIR THE REMOTE CONTROL HAND-SET AND CONTROL MODULE AS DESCRIBED ON PAGE 22 OF THIS MANUAL.
RED FLASH - ONCE EVERY 20 SEC'S	THERMOPILE FEED-BACK TO THE ELECTRONIC CONTROLLER DID NOT OCCUR. THIS ERROR CODE CAN APPEAR 60 SECONDS AFTER SUCCESSFUL IGNITION.	THE FAULT CODE WILL DISAPPEAR AS SOON AS POWER SWITCHES FROM THE SUPPLY TO THE THERMOPILE. THE THERMOPILE POWER GENERATION TO A DEGREE IS DEPENDANT ON THE TEMPERATURE IN THE ENVIRONMENT THE APPLIANCE IS WORKING IN. LOW SURROUNDING TEMPERATURE WILL DELAY THE POWER SWITCH-OVER TO THE THERMOPILE, HIGH SURROUNDING TEMPERATURE WILL SHORTEN THE TIME SPAN. ALLOW A 1 MINUTE PERIOD FOR THE ERROR CODE TO DISAPPEAR. IN THE EVENT OF THE ERROR CODE NOT DISAPPEARING, CHECK THE VOLTAGE ON THE THERMOPILE TO VERIFY TO ESTABLISH THE COMPONENT IS WORKING CORRECTLY. IF THE THERMOPILE PROVIDES NO VOLTAGE READING, REPLACEMENT WILL BE NECESSARY. IF THE THERMOPILE PROVES TO BE FUNCTIONING, THEN THE FAULT IS LOCATED IN THE ELECTRONIC CONTROL MODULE, REQUIRING REPLACEMENT.
GREEN FLASH x 1	CIRCUIT BOARD FAILURE. THE BURNER DOES NOT IGNITE.	REPLACE THE ELECTRONIC CONTROLLER.
FLASHING GREEN FOR 10 SECONDS	REMOTE CONTROL PAIRING PROCESS UNDERWAY, - WAITING FOR CONCLUSION.	SUCCESSFUL CONCLUSION OF THE PAIRING PROCESS WILL BE INDICATED BY TWO BEEPS.

IMPORTANT: SYMPTOMS OF BACK BURNING (Light-back)

Back burning can be indicated by a roaring sound coming from the back of the fire when it is first ignited by the pilot on start up.

There may also be evidence of flames occurring on the underside of the burner tray, at its rear.

If you experience this on start-up of your Jetmaster gas fire, please contact The Fireplace (09) 623 6996

WARRANTY

FIREGUARD® WARRANTY

Installations of all gas fires must be carried out and commissioned by a registered gasfitter, trained & familiarised with the appliances we distribute and in conformance with the relevant NZ Standards.

All gas fires need to be serviced annually in accordance with the terms and conditions of The Fireplace Ltd FIREGUARD Warranty, to qualify: Ph (09) 623 6996

The Fireplace Ltd recommends that the installation of all Stovax wood fires be carried out by an S.F.A.I.T (Solid Fuel Authorised Technician), trained & familiarised with the appliances we distribute to conform to the relevant NZ Standards. (AS/NZ 2918; 2001)

This warranty cover is for all Jetmaster wood and gas fires, Stovax wood fires and Gazco gas fires.

The FIREGUARD® WARRANTY is offered as follows:

- a) **A 24 MONTH (2 YEAR) WARRANTY:** Parts and Labour on all fires subject to installation being undertaken by authorised and registered installer trained and familiarised with the products we distribute and in terms of clause 8 of the Warranty Terms and Conditions attached.
- b) **A REDUCED 12 MONTH WARRANTY (1 YEAR) WARRANTY:** Parts only on all fires that have not been installed by an authorised and registered installer trained and familiarised with the products we distribute.
- c) **A FURTHER 8 YEAR EXTENDED WARRANTY** excluding labour, on **ALL FIREBOXES** except STOVAX fireboxes. This does not include any consumables such as logpans, baffles or heat bricks or tiles, pilot assemblies and other burner parts or decorative logs or media.

PLEASE NOTE:

- All Warranties are for domestic home use in New Zealand and subject to the following conditions.
- For Commercial use please refer Clause 9.
- All fires must be serviced annually for the term of the warranty - refer Clause 8.

THIS FIREGUARD® WARRANTY IS SUBJECT TO TERMS, CONDITIONS AND EXCLUSIONS AS DETAILED HEREUNDER:

SERVICE CALLS... (09) 623 6996 WARRANTY TERMS AND CONDITIONS.

1. **EFFECTIVE DATE OF START OF COVER:** The FIREGUARD® Warranty applies from the date of invoice from The Fireplace Limited or the date of instalment (as evidenced by the permit, consent or certificate) as the case may be if within 3 months of purchase, provided however, that the Product Owner provides The Fireplace Limited with a copy of the relevant permit/consent/certificate.
2. **AUTHORISED SERVICE AGENTS:** The Fireplace Limited has independently trained Service Agents who are the only persons, apart from The Fireplace Limited, who have been authorised by The Fireplace Limited to determine if warranty conditions have been met and who are then permitted to carry out warranty repairs or replacements.

3. **SERVICING BY OTHER THAN AUTHORISED SERVICE AGENTS:** In the event an Authorised Service Agent is unavailable to attend to the Fire within a reasonable time frame, the Product Owner may suggest to The Fireplace Limited, a qualified local tradesperson to carry out the repair or replacement work. With the sole and unfettered discretion of The Fireplace Limited, the suggested tradesperson may be approved on a one off basis to carry out the necessary warranty work otherwise this will void the **FIREGUARD®** Warranty. This approval must be obtained prior to the work being carried out and The Fireplace Limited must be satisfied that the warranty terms have been met. The Fireplace Limited will not accept any claim or charge arising from the actions of an unauthorised service person.
4. **NEED FOR PERMIT / CONSENT / CERTIFICATE:** All Fires must be installed in accordance with the manufacturer's instructions as supplied by The Fireplace Limited with the Fire and the relevant New Zealand standards/codes of practice for the Fire. Installation must be by a qualified gasfitter if a gas appliance, by a qualified installer (NZHHA) if a wood fired appliance and by a qualified electrician if an electrical appliance, all installations duly certified by such qualified tradespersons and signed off by the Territorial Authority as applicable.
5. **ENTITLEMENT TO PERMIT / CONSENT / CERTIFICATE DETAILS:** The Fireplace Limited and/or its Authorised Service Agents shall be entitled to be given a copy of the relevant permit/consent/certificate details for the installation of the Fire, both to determine the installation date and that the Fire has been correctly installed by a properly qualified installer.
6. **EFFECT OF NO PERMIT / CONSENT/CERTIFICATE:** If no relevant permit/consent/certificate has been obtained then the FIREGUARD® Warranty shall be void and any other warranties or guarantees on the Fire, implied or otherwise indicated shall also be void. The Fireplace Limited and/or its Authorised Service Agents may also decline to further service or work with the Fire, with any such additional service or work to be at the cost of the Product Owner.
7. **INSTALLATION DEFECTS:** Any defects in installation, resulting in either non-compliance with the installation requirements as laid down in the manufacturer's installation instructions or with the relevant New Zealand standards and legislation, are not covered under this or any other warranty or guarantee and the warranty itself is void. The Fireplace Limited or its Authorised Service Agents will not effect any work to make good such defects and the repair of any consequent faults with the Fire that can be directly attributed to the defects in installation, are the responsibility of the original installer. The Authorised Service Agent is not to effect any remedial or repair work to a product until the original installer has made good their work. If the original installer is not available or the Product Owner does not wish to have them back, then all work carried out by the Authorised Service Agent shall be a matter for agreement and payment between the Product Owner and the Authorised Service Agent. The Fireplace Limited assumes no liability for the installation or remedial work to make the installation compliant whether carried out by its Authorised Service Agent or not and such work does not fall under the warranty or guarantee nor does it reinstate the warranty.
8. **NEED FOR ANNUAL SERVICING:** The **FIREGUARD®** Warranty is also subject to the Fire must be serviced at least once in the first year following installation for the second year of cover in the Two Year Full Parts and Labour Warranty to apply.
9. **COMMERCIAL USE:** If any goods supplied by The Fireplace Limited are used in other than domestic use, (as defined by the Territorial Authority), then the **FIREGUARD®** Warranty reduces to a ONE YEAR Full Parts and Labour Warranty and a FIVE YEARS Full Part Warranty on Fireboxes (ONE Years Full Part Warranty on Stovax Cassette Fireboxes). This reduced **FIREGUARD®** Warranty is subject to the fitting and use of any additional components specified in the Fire's installation manuals and/or specifications for commercial use/operation.
10. **FIREBOX REPLACEMENT:** After the initial Two Year Full Warranty period and within Ten Years of the **EFFECTIVE DATE OF COVER** (Two Years for Stovax Cassette Fireboxes), where the firebox of the Fire has failed (become unsafe or unusable due to a product defect and not due to external corrosion or unfair wear and tear or incorrect fuelling The Fireplace Limited may supply a replacement firebox to the nearest Authorised Service Agent for delivery to the Product Owner. After two years from the date of installation, labour costs involved in replacing the firebox of the Fire shall be at the Product Owner's cost.
11. **TRAVEL COSTS COVERED:** The Fireplace Limited may reimburse its Authorised Service Agents for travel to all warranty calls within a 50 kilometre round trip from the Service Agent's business address. The Fireplace Limited shall also reimburse its Authorised Service Agent for delivery costs of a replacement firebox for up to a maximum of 50 kilometres travel (return trip).
12. **TRAVEL COSTS NOT COVERED:** Where the warranty call out is for more than 50 kilometres in total (return trip) then the Product Owner must reimburse the Authorised Service Agent for the additional travel costs involved, ie: travel on warranty matters outside a total of 50 kilometres (return) is not covered. Also additional delivery costs for the delivery of a replacement firebox in excess of 50 kilometres (return trip) shall be at the Product Owner's cost.

13. **ONUS ON PRODUCT OWNER:** In the event that an Authorised Service Agent is called to attend a product fault and the Authorised Service Agent finds the fault not a warranty matter, the Product Owner must accept responsibility for payment to the Authorised Service Agent for their charges in respect of the call out. The Fireplace Limited reserves the right to decline any further warranty support or cover where it's Authorised Service Agent has not been paid by the Product Owner for any work outside that covered by this warranty. The Fireplace Limited shall not progress any dispute brought by a Product Owner where payments to Authorised Service Agents have not been made or are being withheld, ie: the Product Owner shall not be entitled to dispute payment of a service or callout charge because the Product Owner disagrees with the decision by the Authorised Service Agent that the fault or defect is not covered under warranty.
14. **CALL OUTS AT PRODUCT OWNER'S REQUEST:** Authorised Service Agents called out to a problem with a Fire from The Fireplace Limited may request payment in advance in respect of any call out. If it is subsequently found that the product fault is covered under the **FIREGUARD®** Warranty then the Authorised Service Agent shall refund the Product Owner any such payment made in advance, except in respect of travel outside the 50 kilometre limit prescribed in the **FIREGUARD®** Warranty.
15. **VARIATION TO WARRANTY TERMS:** The Fireplace Limited may reserve the right (as Supplier of products sold by it in New Zealand on behalf of manufacturers) to change specifications or terms without any prior notice.
16. **CONSUMER PROTECTION:** The **FIREGUARD®** Warranty operates within the framework of Consumer Guarantees Act required under New Zealand legislation and such consumer rights as provided for by such legislation remain in force. The Fireplace Limited recognises that its warranties are subject to New Zealand legislation and that the Product Owner retains such rights under the FIREGUARD® Warranty. Please note that the Consumer Guarantees Act only applies to domestic use and not commercial.

EXCLUSIONS UNDER THIS WARRANTY

17. **PRODUCTS NOT SUPPLIED BY THE FIREPLACE:** In the event that the Fire receives or requires repair or Replacement under the **FIREGUARD®** Warranty, any related building work, building materials, redecoration of surrounds, removal and reinstatement of fittings, connection and reconnection of services, use of plant or machinery and/or the respective costs thereof, all which are not directly required for the purposes of meeting the **FIREGUARD®** Warranty but which are required

to access and repair/replace the Fire are not covered by this warranty and no liability on The Fireplace Limited for such other products not supplied by The Fireplace Limited shall apply or be part of the FIREGUARD® Warranty.
18. **CORROSION DAMAGE/EFFECTS:** All parts of a Fire (including flueing) exposed to corrosive elements including weather conditions or, Wood Fires which have had treated or otherwise mineralised (driftwood/coal) fuel burnt in them, or gas fires which have been subjected to incorrect gas types, or excessive gas pressures, or contaminated gas may suffer corrosion, blemishing, warping or damage in consequence. Such affects and consequent damage are not covered by the FIREGUARD® Warranty. General wear and tear is not covered by the warranty.
19. **INCORRECT FUELS/OVER FUELLING:** All Fires must be operated and fuelled in accordance with the manufacturer's instructions as supplied by The Fireplace Limited with the Fire. The use of fuels other than as specified in the manufacturer's instructions shall void the FIREGUARD® Warranty.
20. **OVERSEAS WARRANTIES/GUARANTEES NOT VALID:** Any representation or documentation as to warranty including but not limited to overseas materials or websites or correspondence or manuals shall be replaced or superseded by The Fireplace Limited's FIREGUARD® Warranty as detailed herein within New Zealand.

