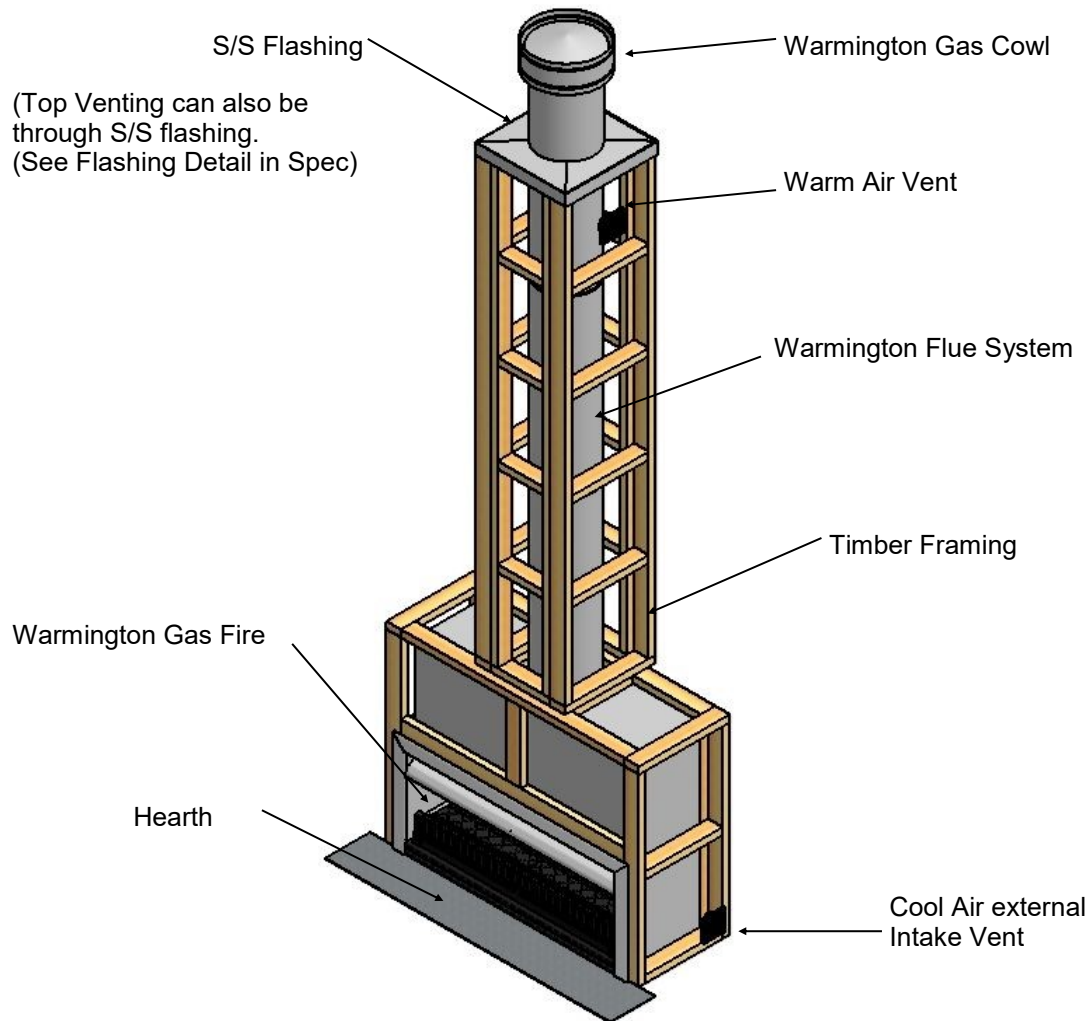


# SG & EG 1250-1500 Single Flue

## GAS OPEN FIRES

### Installation instructions into wood or block alcoves



## Fire and flue system installation, and instructions to comply with NZS 5601.1:2013, 3645.1(Int):2010, 3645.2(Int):2010, 5266:2014, 2918:2001.

The fireplace is constructed and tested to comply with NZS 4558(int):2013 'Decorative gas log and other fuel effect appliances'.

Keep these instructions for further reference. Ensure that you have the correct and current installation details for the Warmington fireplace.

### Installation

The Warmington unit is to be installed by a certified Warmington installer or an approved NZHHA installation technician.

See [www.homeheat.co.nz/members](http://www.homeheat.co.nz/members) for a certified NZHHA SFAIT Installer in your area.

A licenced certified gas fitter and licenced electrician are required to run power and gas supplies as required to the unit and any commissioning as part of the installation process. The heater must be installed according to these instructions and in compliance with all relevant building, gas fitting, electrical and other statutory regulations.

### IMPORTANT

Read all the instructions carefully before commencing the Installation. Failure to follow these instructions may result in a fire hazard and void the warranty

## POINTS TO CONSIDER PRIOR TO INSTALLATION

Location of the Fire. Open Fires are better located at one end of a room or area, as they project the heat away from their opening.

**Venting to the Cavity:** This air is to allow the Cavity to Vent the Warm Air. This Warm Air helps keep the Fire and Flue System from getting too cold. If the Flue and fire get too cold the System may soot often and require cleaning. Each Fire has different ways of venting the cavity.

**The Topography of the Land:** The slope and position of the Land in relation to the Home has a bearing on how the wind will interact with the Fire and Flue System. Care needs to be taken to ensure that the Flue Termination is in the correct position to maximise performance.

**The Prevailing Wind:** Care needs to be taken to ensure that the Flue Termination is in the correct position as wind and gusts that hits the Flue and Cowl System may overcome the cowl and draft back down the Flue into the Home. This can be a combination of down draft and high pressure.

**Hearth and Plinth:** The height of the Hearth off the Floor. The Finishing that is to be used on the hearth is to be allowed for at the design stage.

**Positioning of the Flue System:** There is a maximum distance that an Offset Flue can be Installed. Reference to relevant standards.

**Flue and Fire Clearance:** o be maintained to the Manufactures Instructions.

**Pressure Differential, Venting & External Air into the Building:** All fires need air to burn and draw correctly. Kitchen fans, air conditioning units, high wind zones, naturally forming draft spaces - can all have an effect on the pressure difference from inside the building to the outside. A lower pressure in the building may induce a draft down the flue system and back into the building causing the fire to smoke or spill into the building. **Care needs to be taken at the design and installation stage to adequately vent the building, or some mechanical system to ensure that there is always a neutral or positive pressure at the fireplace and a negative pressure at the flue outlet.** This will ensure that the draft in the flue system is always to the outside.

**Wind Noise:** You may encounter wind noise in some installations. It is recommended to use an enclosed chase with a chimney pot to help reduce noise. There will always be some noise from the flue systems of all fireplaces.

**'CAITEC AIR'** - limits and requirements. See details in these Spec's, on [www.warmington.co.nz](http://www.warmington.co.nz) or contact your local Agent.

## INSTALLATION ORDER OF OPERATIONS - PRIOR TO CONSTRUCTION & INSTALLATION

### Important Notes:

1. **Consult a Certified Craftsman Gas Fitter for correct Gas Installation.**
2. Install to current standard.
3. Install to manufacture's specifications.
4. All new Installations require a Local Council Consent No/Permit Application to be done .
5. Allow for Gas & Power supply to Cavity . See Firebox Sides for Location .
6. For special requirements concerning Materials (Timber Mantle and Surrounds) within close proximity of Warmington products, please contact your local Warmington Technical Consultant.

### Stage 1: Frame Construction Procedure by Builder.

1. Mark out Flue Centre on Plinth.
2. Mark out Heat Cell clearance requirements.
3. Build Timber Framing to Heat Cell Clearances and Chimney Chase Clearance requirements.
4. Ensure that Front Face of Heat Cell Clearance Alcove is left open and unframed to enable Installation of the Firebox & Flue System . The Chimney Chase is left unlined for ease of Installation of the Flue System .
5. Construct Plinth only, to required height. \*

### Stage 2: Install Procedure by Certified Gasfitter or approved member of the Home Heating Association of NZ. ([www.homeheat.co.nz](http://www.homeheat.co.nz))

1. Install Firebox to Plinth. Ensure gas Line is in place & feed through Side of Firebox to suit Connection on Burner.
2. Install Flue System (3.6m Minimum) .
3. Install Cowl and Flashing System.
4. Install 4x Vents to Heat Cell Alcove and Chimney Chase 2X Top & 2X Bottom, to cool the Heat Cell and ensure efficiency of CAITEC Technology.
5. Clean and touch paint up on the fires and cover if necessary.

### Stage 3: Finishing Procedure by Builder.

1. Construct Hearth to required thickness. \*
2. Finish Framing of Heat Cell Alcove , ensuring to close down Maintaining Clearances .
3. Close in Heat Cell Alcove and Chimney Chase.
4. Finish Heat Cell Alcove and Hearth to customer's requirements (e.g. paint / tiles).
5. \* **Note: Installer can also Install Hearth and Plinth if required.**

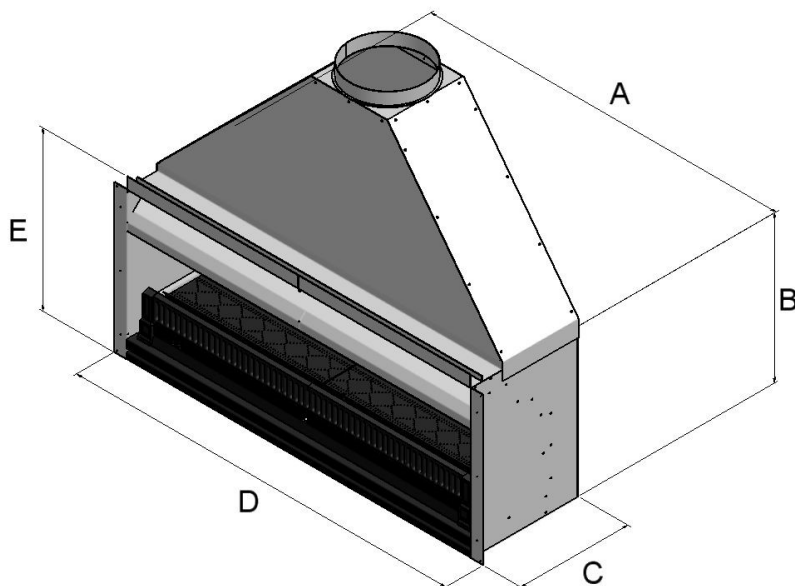
### Maintenance:

Visually Inspect Fireplace and Flue System. Ensure that the Firebox is operating according to Manufacture's Instructions, Fire & Burner may Require to be serviced by Certified Gasfitter annually.

## WARMINGTON FIREBOX DIMENSION

Firebox		SG/EG 1250	SG/EG 1500
Firebox Width	A	1250	1405
Firebox Height	B	600	600
Firebox Depth	C	435	435
Flange Width	D	1350	1500
Flange Height	E	650	650
Insulation Kit Width	F	1342	1490
Insulation Kit Height	G	1220	1220
Insulation Kit Depth	H	565	565
Centre of Flue	I	360	360
Flue	J	300	300
Flue Liner	K	350	350
Fascia Width	L	1410	1560
Fascia Height	M	680	680
Fascia Section	N	80	80

\*Estimated unless stated otherwise.



## FIREBOX HEAT CELL CABINET

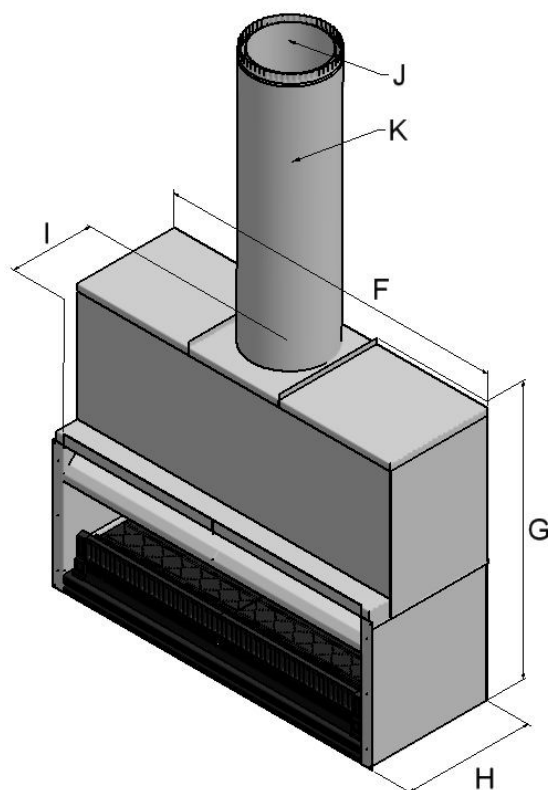
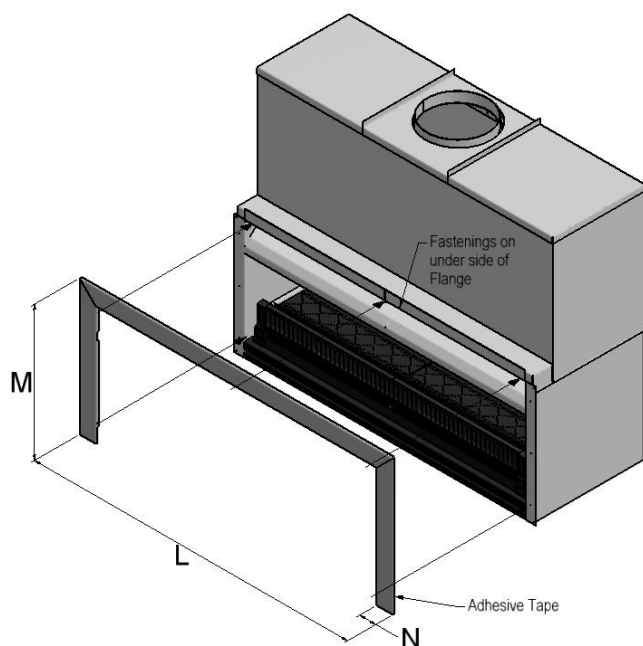
### Note:

DO NOT FRAME OUT TO THESE DIMENSIONS CHECK HEAT CELL ALCOVE ON PAGE 5 & 6.

Minimum Flue Height	
Flue height	3600
Measured from top of firebox	B + 3600

### Seismic Restraint

Secure firebox through anchor positions provided, (through base of fire).



## GAS SPECIFICATIONS

Tested to: AS 4558

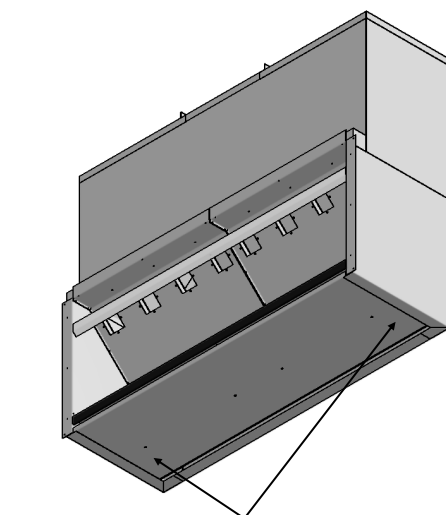
NOTE: All Test Pressures are tested by a Independent Test Lab

MODULE	SG-EG 1250	SG-EG 1500
<b>LPG</b>		
Nominal Pressure kPa	2.75 kPa	2.75 kPa
Nominal Injector Size mm	4 X 1.1mm	4 X 1.2mm
Burner Pressure High kPa	2.5 kPa	2.5 kPa
Burner Pressure Low kPa	0.75 kPa	0.75 kPa
MJ/h	60	70
Flame Effect Output Only	Effect	Effect
Supply Pipe Size dia—min	1/2"	1/2"
<b>Natural Gas</b>		
Nominal Pressure kPa	1.5 kPa	1.5 kPa
Nominal Injector Size mm	4 X 1.8mm	4 X 2.0mm
Burner Pressure High kPa	0.85 Kpa	0.5 kPa
Burner Pressure Low kPa	0.2 kPa	0.15 kPa
MJ/h	63	62
Flame Effect Output Only	Effect	Effect
Supply Pipe Size dia—min	1/2"	1/2"
Lab. Test No	GL 973	GL 973
Lab. Test Dates	30/ 04 /2011	30/ 04 /2011
ESS Declaration No:	1149720106	1149720106

## IMPORTANT NOTES

\* Inlet Pressure not to exceed 4.0kPa

## SEISMIC RESTRAINTS



**Seismic Restraint**  
Secure Firebox through anchor points provided.

This is a raised & cantilevered hearth. See page 15 for further raised hearth detail.



## HEARTH & PLINTH CONSTRUCTION DETAILS

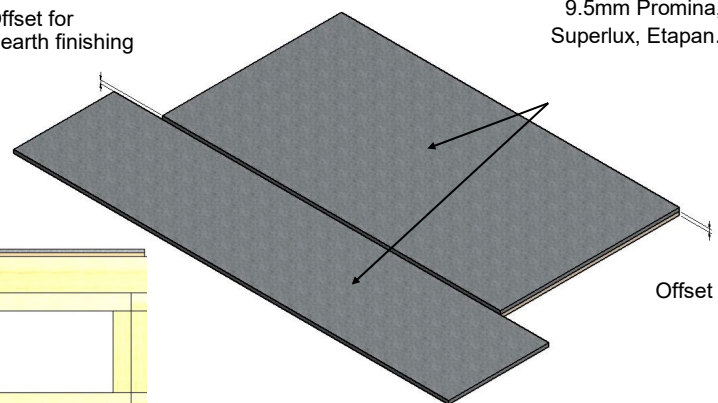
### Note: Hearth and Plinth Construction

Plinth to be offset above hearth by the hearth finishing (e.g. Tiles/Granite/Solid Plaster etc.)

Raised hearth's & plinth's with cantilevered Hearth's must be adequately supported to take the weight in accordance with the NZ Building Code.

Offset for  
Hearth finishing

\* Hearth & Plinth must be built in Non Combustible material eg. 9.5mm Promina, Superlux, Etapan.



**\*Note:** If Solid Plastering the heat cell structure, we recommend a fibreglass mesh with a Latex based plaster to minimise the chance of the plaster cracking. Talk with your Solid Plasterer for correct materials and applications.

Visit the Warmington website for 'Hebel instruction PDF download. [www.warmington.co.nz](http://www.warmington.co.nz)

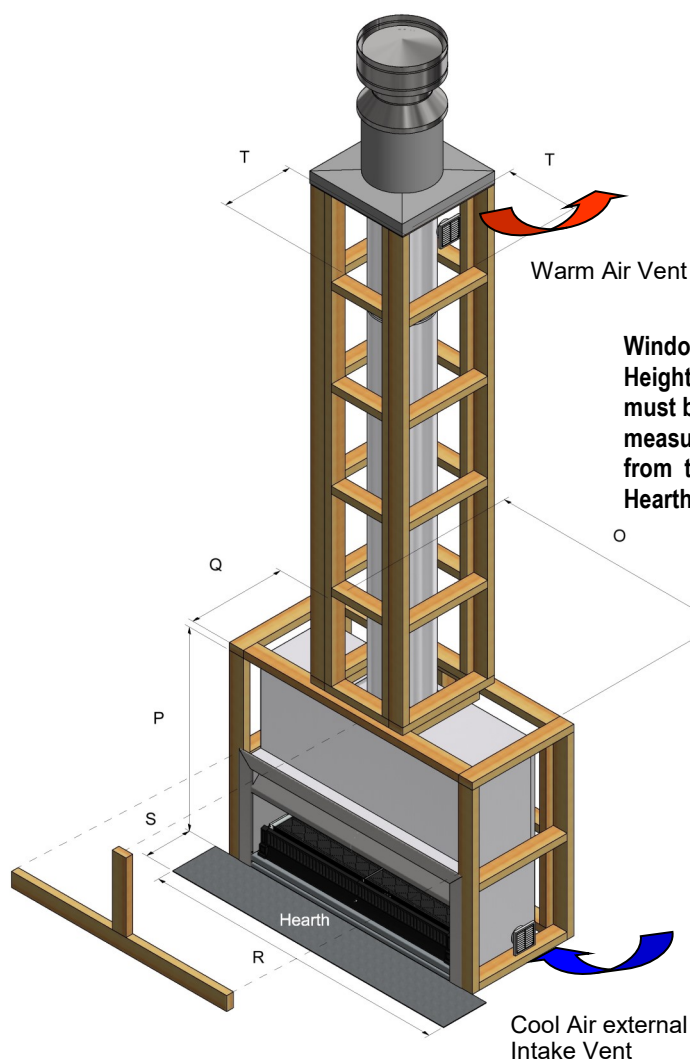
## TIMBER FRAMING & TRIM OUT DETAILS

Firebox		SG/EG 1250	SG/EG 1500
Heat cell Clearance Width	O	1362	1510
Heat Cell Clearance Height	P	1240	1240
Heat Cell Clearance Depth	Q	615	615
Hearth Width	R	1750	1900
Hearth Projection	S	300	300
Chimney Chase Clearance	T	450	450
Window Height	V	660	660
Window Width	W	1362	1510

## MINIMUM HEAT CELL ALCOVE CLEARANCES & FRAME OUT

### Note:

All Framing Dimensions are Internal Only

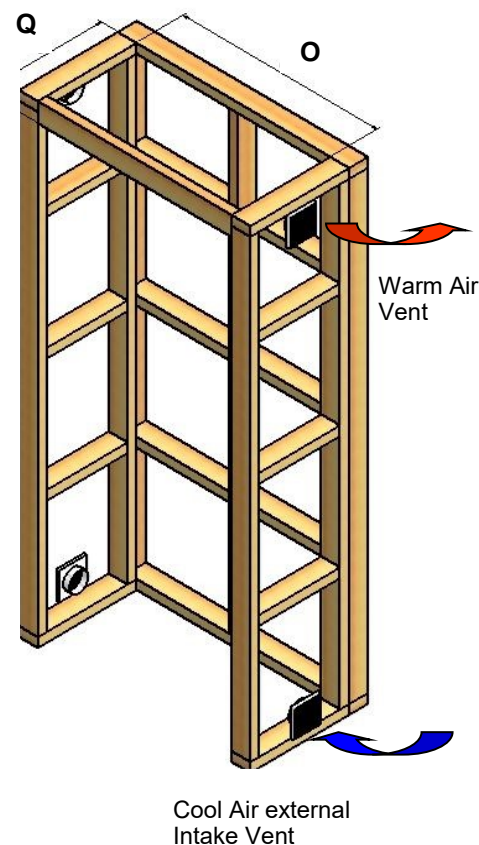


Window Height 'V' must be measured from top of Hearth.

Standard 2400mm Stud

Window

W



### Note:

Front framing to be constructed after firebox is installed.

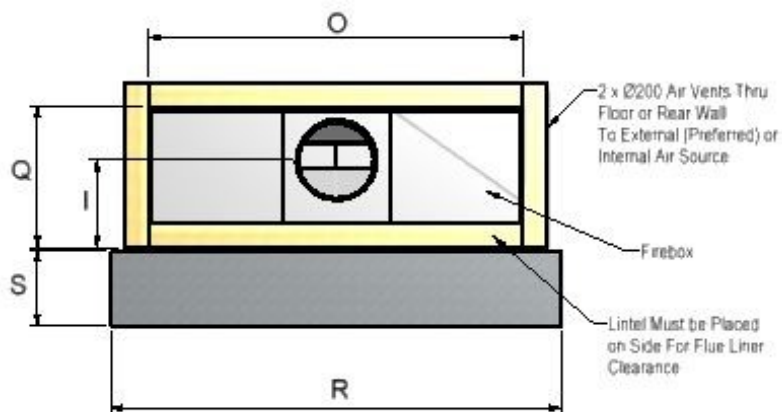
### Note:

Centre line of flue is 'NOT' in centre of alcove



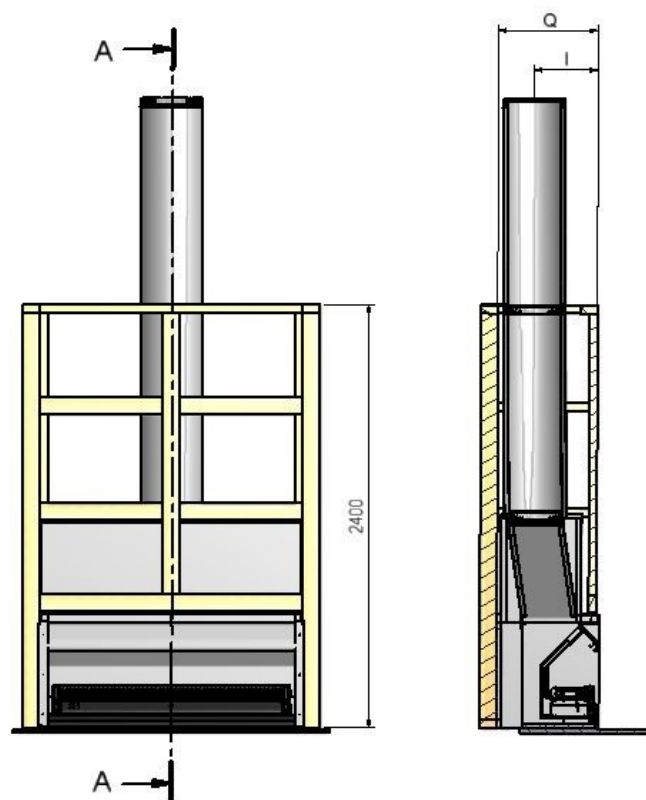
## TIMBER: PLAN, FRONT ELEVATION & CROSS SECTION

Firebox		SG/EG 1250	SG/EG 1500
Hearth Width	R	1750	1900
Hearth Projection	S	300	300
Alcove Width	O	1362	1510
Alcove Depth	Q	615	615
Centre of Flue	I	360	360
Chimney Chase Clearance	T	450	450



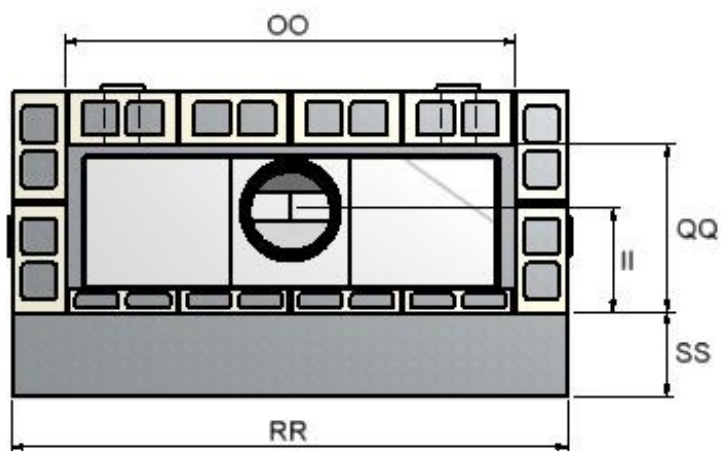
### Note:

Centre line of flue is 'NOT' in centre of alcove



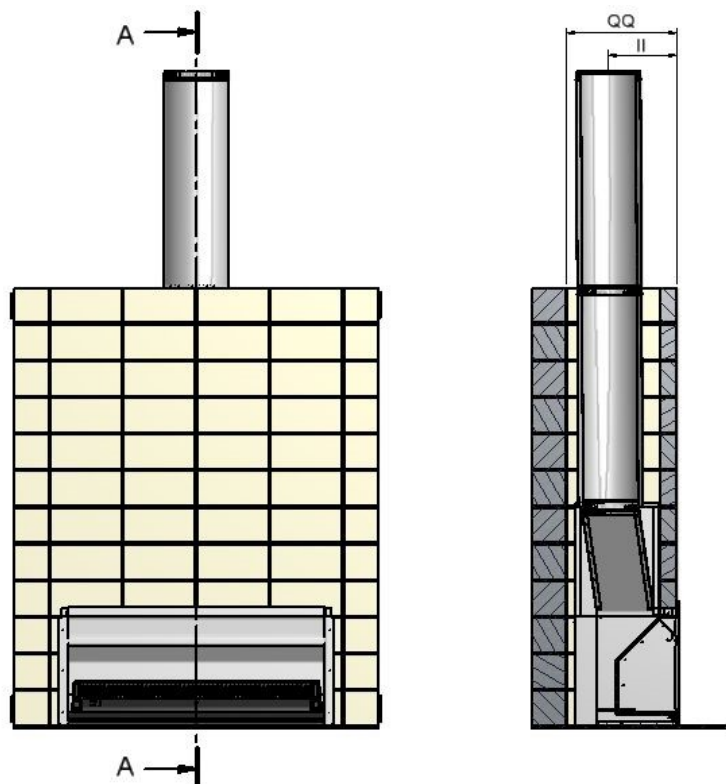
## BLOCK: PLAN, FRONT ELEVATION & CROSS SECTION

Firebox		SG/EG 1250	SG/EG 1500
Plinth Width	OO	1610	1610
Plinth Depth	QQ	600	600
Hearth Width	RR	1750	1900
Hearth Projection	SS	300	300
Centre of Flue	II	360	360



### Note:

Centre line of flue is 'NOT' in centre of alcove



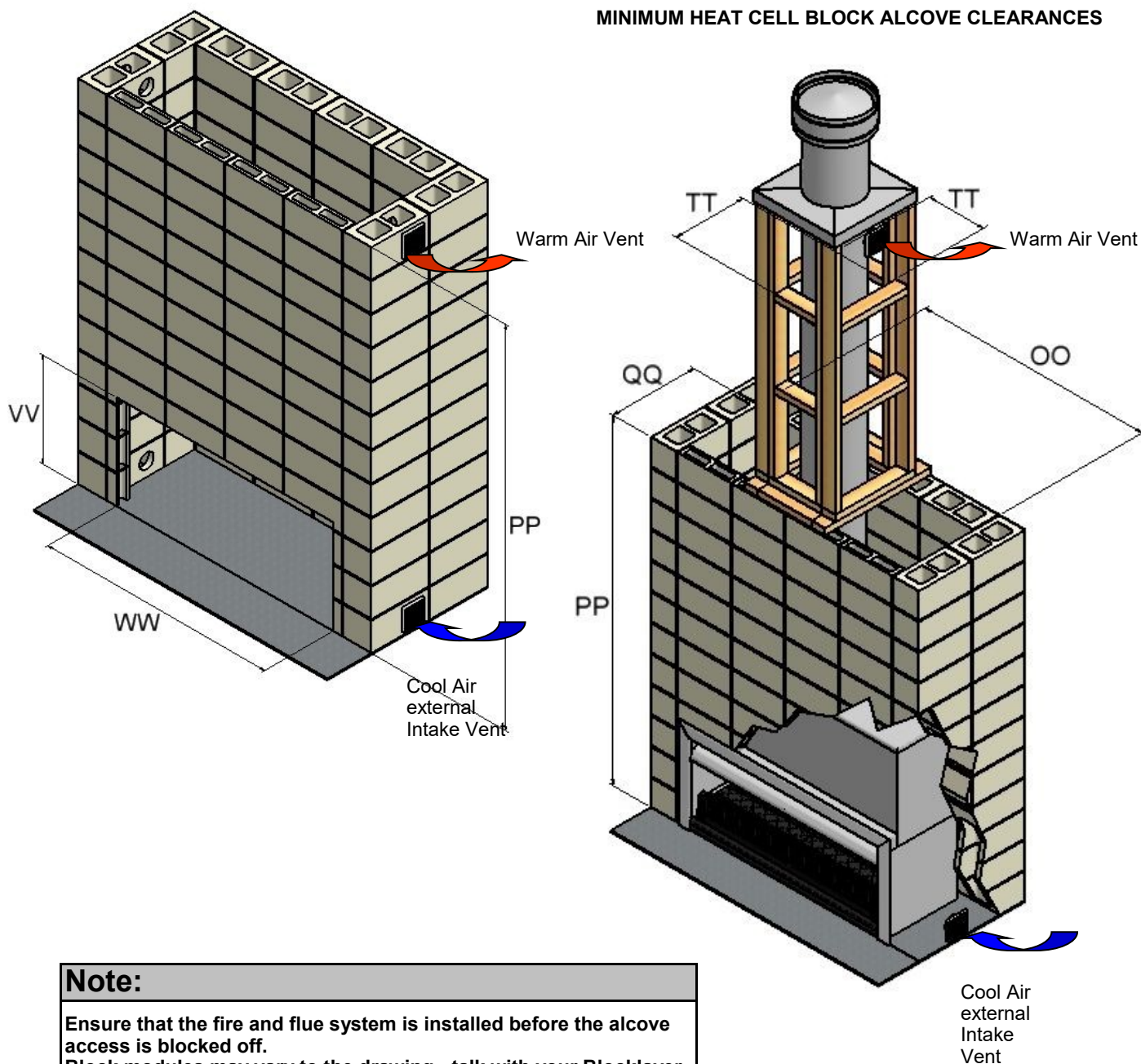
## BLOCK ALCOVE & TRIM OUT DETAILS

Firebox		SG/EG 1250	SG/EG 1500
Heat cell Clearance Width	OO	1610	1610
Alcove Clearance Height	PP	2400	2400
Alcove Clearance Depth	QQ	600	600
Window Height	VV	630	630
Window Width	WW	1350	1500
Chimney Chase Clearance	TT	450	450

### Note:

Centre line of flue is 'NOT' in centre of alcove

## MINIMUM HEAT CELL BLOCK ALCOVE CLEARANCES



### Note:

Ensure that the fire and flue system is installed before the alcove access is blocked off.  
Block modules may vary to the drawing - talk with your Blocklayer.

## FLUE DETAILS DIMENSIONS

Flue details	No:	SG/EG 1250	SG/EG 1500
Cowl	1	300	300
Flue Diameter	3	300	300
Liner Diameter	3	350	350
Spacer	3	300/350	300/350
Bottom Spacer	1	300/350	300/350

Minimum Flue Height	
Flue Height	3600
Measured From Top of Adaptor	B + 3600

### NOTE:

Ensure that a standard tested Warmington flue system is used on Warmington Fires.

## FLUE SYSTEM INSTALLATION GUIDE

This is a general installation guide only – Contact a 'NZHHA Installer' or Gasfitter for Installation Advice.

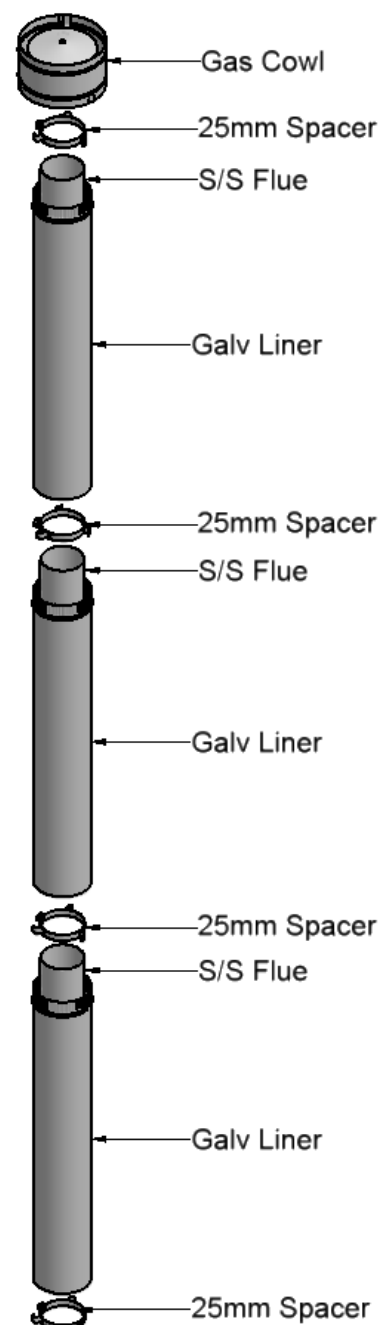
1. Install the first length of flue pipe with the crimped end down, inside the Adaptor collar, ensure that the flue pipe is sealed into the collar with exhaust sealant. Rivet the flue in 3 places around the adaptor collar. Place a bottom spacer around the flue pipe approximately 150mm above the adaptor collar. Secure in position by tightening the screw and nut.
2. Install the second length of flue pipe with the crimped end down and fit by riveting in at least 3 places around the flue pipe joint. Ensure that the flue is sealed into position with sealant.
3. Install the first section of flue pipe liner with the Crimped end up, over the flue pipe and over the spacer that is fixed to the flue pipe. This spacer will keep the liner concentric about the flue pipe.
4. Position flue spacer at the flue pipe joint for every length of 'Flue pipe' and 'Liner'.

Repeat the Steps from 1 – 4 to the installed required height of the flue system. The flue system is to comply with the current standards.

- The flue pipe shall extend no less than 4.6m above the top of the floor protector.
- The minimum height of the flue system within 3m distance from the highest point of the roof, shall be 600mm above that point.
- The minimum height of the flue system further than 3m from the highest point of the roof, shall be 1000mm above the roof penetration.
- No part of the any building lies in or above a circular area described by a horizontal radius of 3m about the system exit.

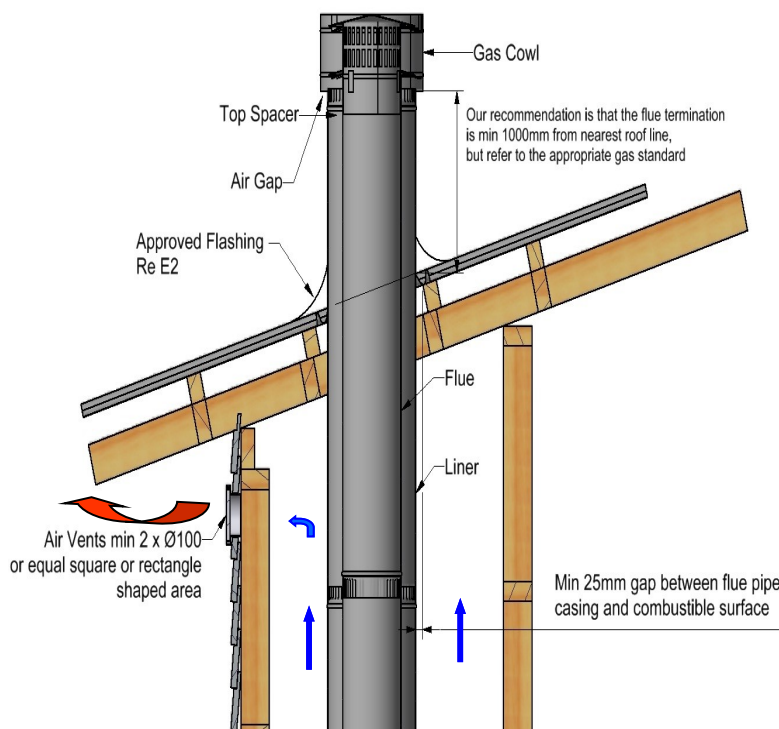
### IF FLASHING CONE IS NEEDED

1. **NOTE:** The last length of flue pipe needs to extend past the liner so that when the 'top spider' and the 'Flashing cone' are fitted, that the 'flashing cone' and the 'flue pipe' are **flush**, or that the 'flue pipe' is **5mm lower** than the 'Flashing cone'.
2. Fit the 'Top Spider' into position, ensure that the legs of the spider are fitted inside the liner and that the spider is positioned hard down onto the liner and tighten with the screw and nut.
3. Place the 'Flashing cone' over the 'flue pipe' and press hard down onto the 'Top Spider'. (Note that the 'Flue pipe' and the 'Flashing Cone' are either flush or the 'Flue pipe' is 5mm Lower than the 'Flashing cone'). Ensure that the 'Flashing cone' is clear for the venting from the 'Liner' and the 'flue pipe'.
4. Fit the 'Cowl' to the top of the flue pipe. The 'Cowl', 'Flashing cone', and the 'Flue pipe' can be secured to each other with the uses of a stainless steel self tapping screw. This will allow the 'Cowl' to be removed for cleaning.
5. Flue system may require Bird Proofing due to the installation and locations, discuss this with your installer for the best advice.
6. If the Flue system is installed into a 'Chimney Chase', allow for air vent as close to the top of the chase as practical, or allow venting through the 'Chimney Chase Flashing'. A 'Venting Flashing cone' and a 25mm gap around the Liner with a 'Venting Flashing Cone-Spider' can be used.

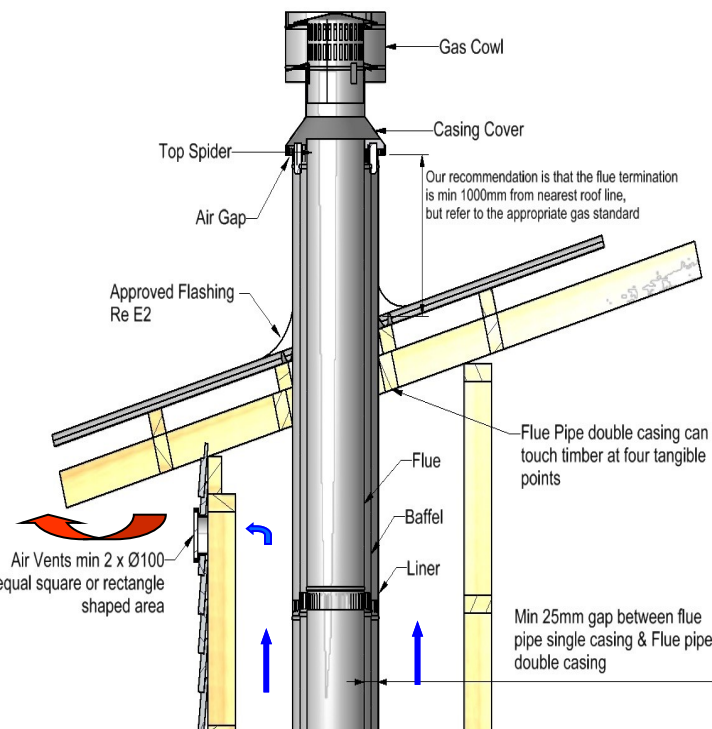




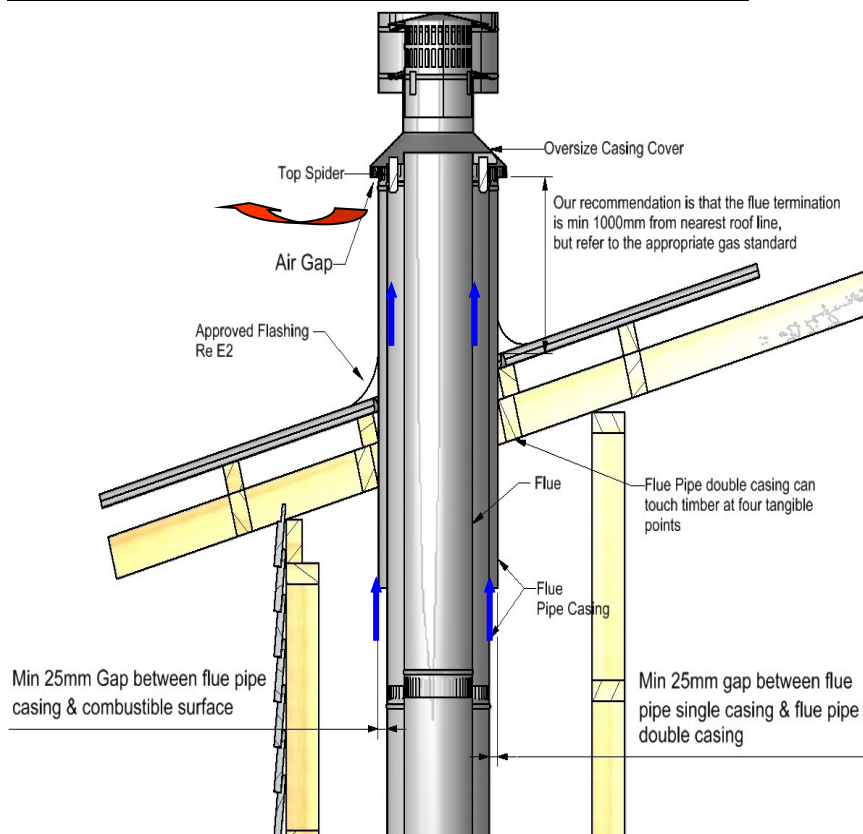
## FLUE PENETRATION - vented through Alcove (Single lined Flue System)



## FLUE PENETRATION - Vented through Alcove (Double lined Flue System)



## FLUE PENETRATION - Vented through Top Flashing



### Note:

External Requirements relevant standards

Install Flue system to relevant standards.

When using a rubber or Bitumen flashing (Butynol, Dectite) an Additional Flue pipe Baffle is required.

All external air vents & ceiling penetrations must be bird proofed with permanently fixed screens.

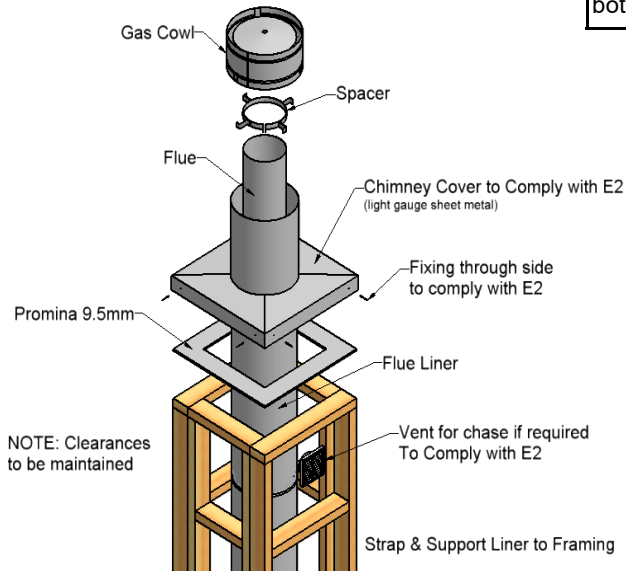
All flashing to comply with E2.

All external air vents and ceiling penetrations are to be Vermin and Rodent proof.

Test Report Number	Date of Report
04/1039	20 <sup>th</sup> July 2004
04/1040	20 <sup>th</sup> July 2004
04/1041	20 <sup>th</sup> July 2004

## CHIMNEY CHASE FLASHING DETAILS

### General Chimney Chase Flashing Lay Out



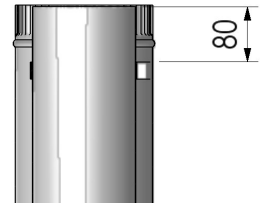
#### Note:

Flashing Spigot height is determined by the Insulation that is fitted under the Flashing. See Details at bottom of page.

## SETTING ADD GAS COWL HEIGHT

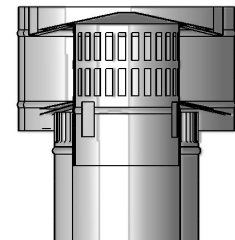
### STEP 1

Flues are to be set flush to the same height, Spacer set at approx 80mm low.



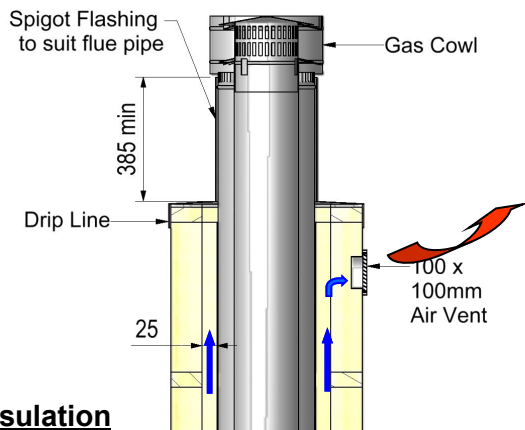
### STEP 2

ADD Gas Cowl slides inside the flue, sitting on the swage, leaving a 10mm Air gap from cowl to liner, screw to secure

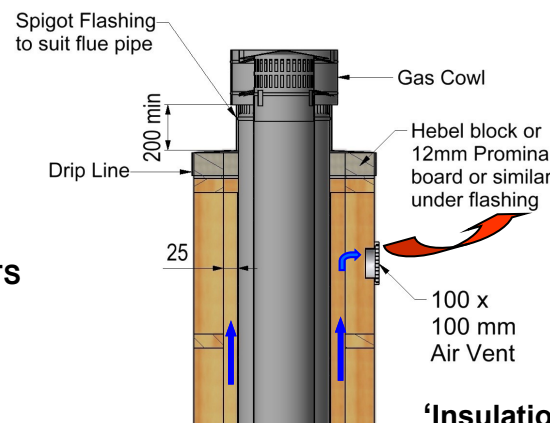


## 'CHIMNEY CHASE FLASHING' AND 'AIR VENTILATION' OPTIONS:

### VENTING THROUGH CHIMNEY CHASE

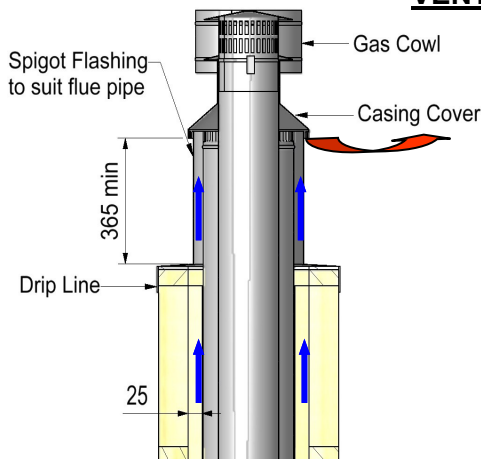


**Note : 2 X 100MM VENTS in chase.**

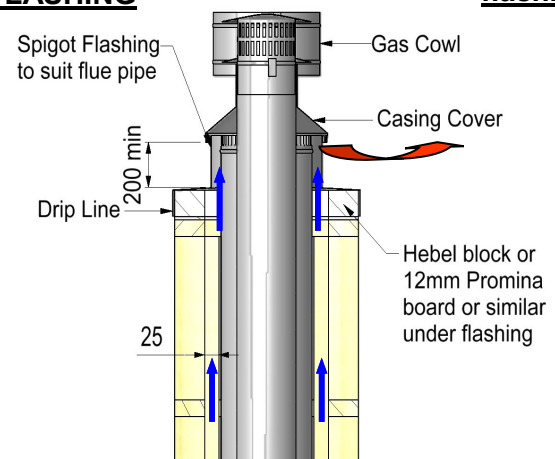


### 'No Insulation under flashing'

### VENTING THROUGH FLASHING

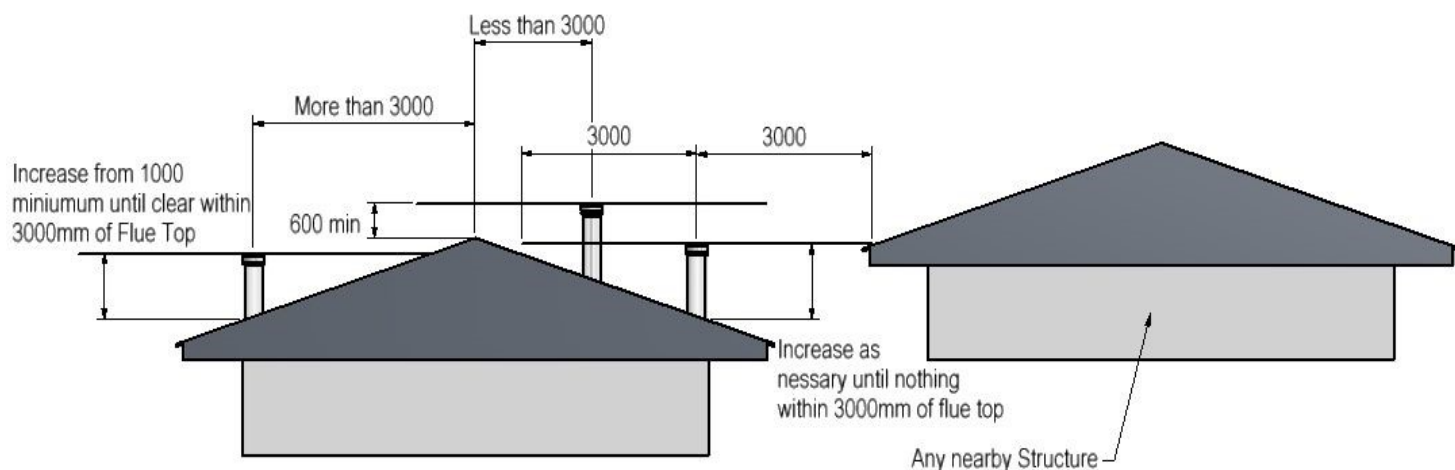


**Note: 2 X 100MM VENTS in chase.**



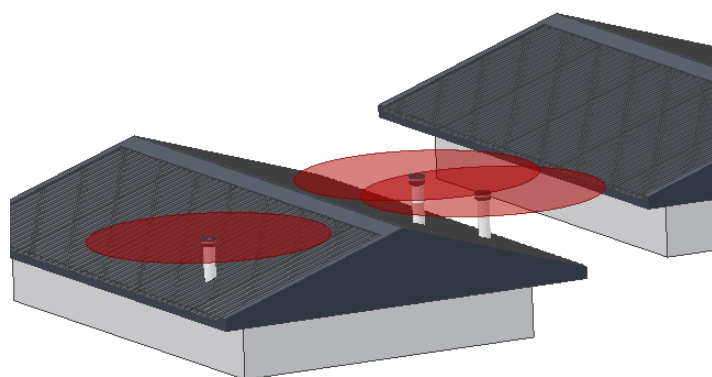
### 'Insulation under flashing'

## FLUE HEIGHT MINIMUM DETAILS



The flue exit is to comply to relevant standards.

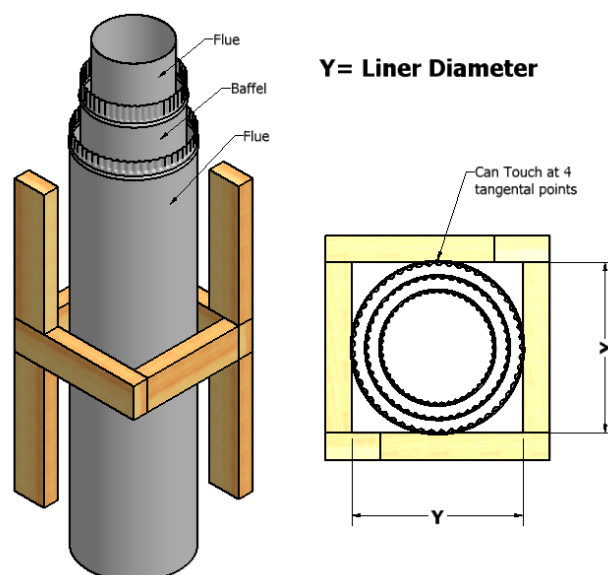
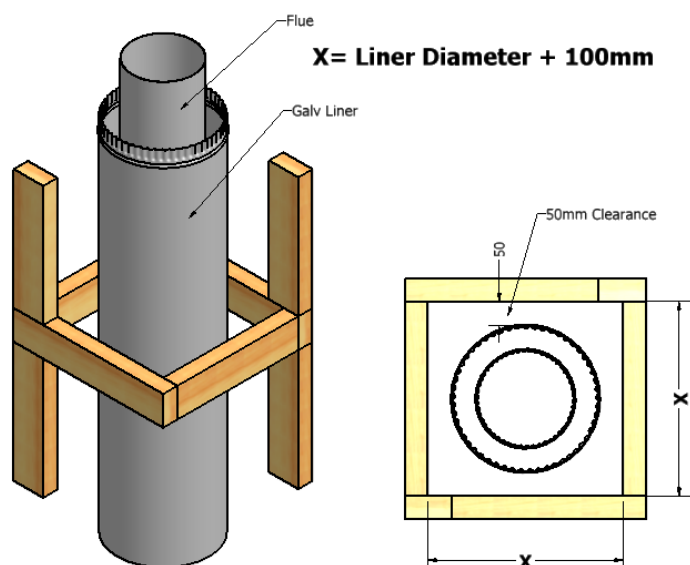
3D View



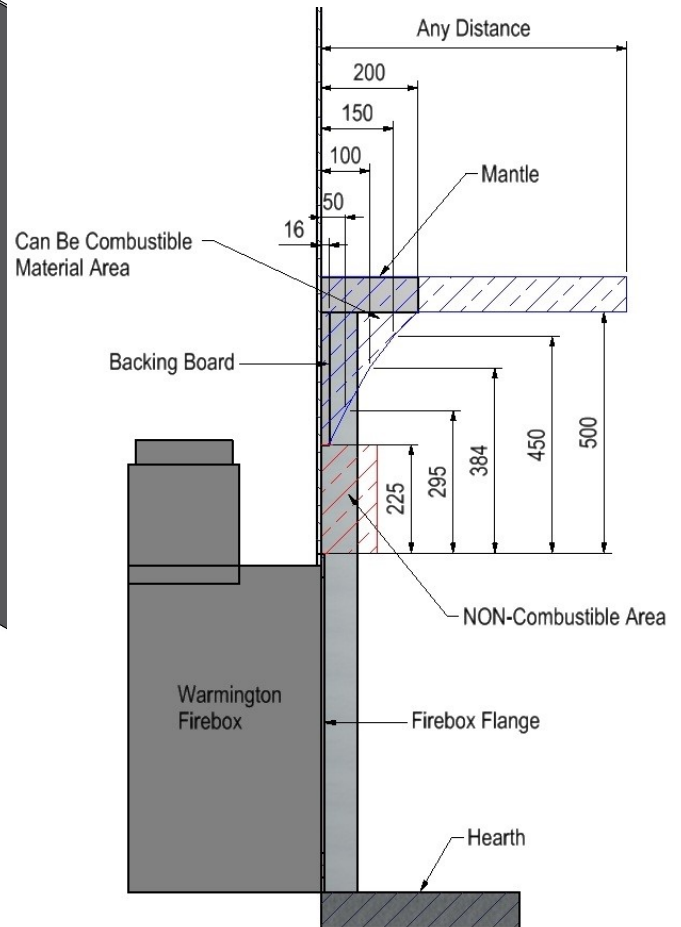
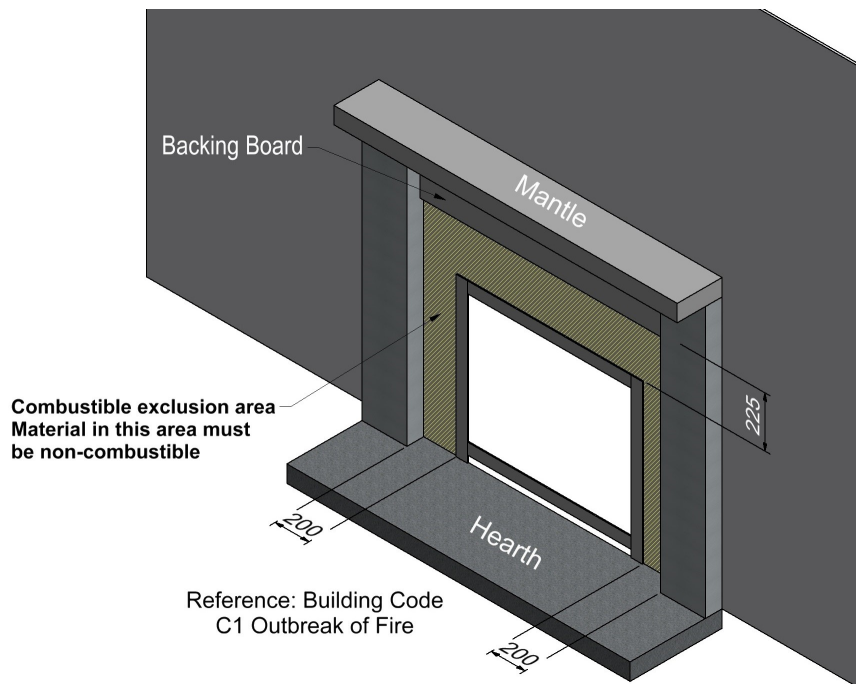
## FRAME OUT AND TRIM OUT DETAILS FOR CHIMNEY CHASE

Option X – Single Lined Flue System

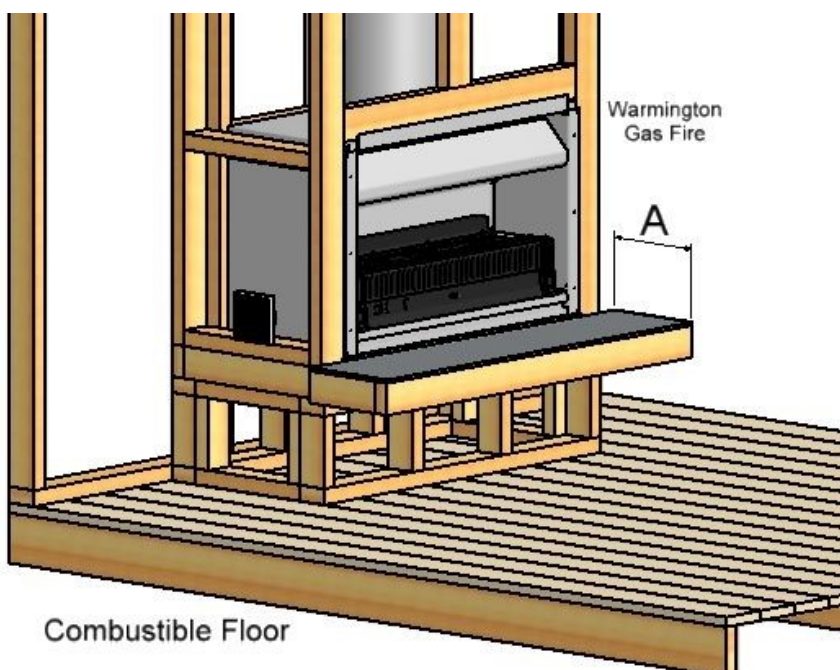
Option Y – Double Lined Flue System



## COMBUSTIBLE MANTLE CLEARANCES



## HEARTH CLEARANCES

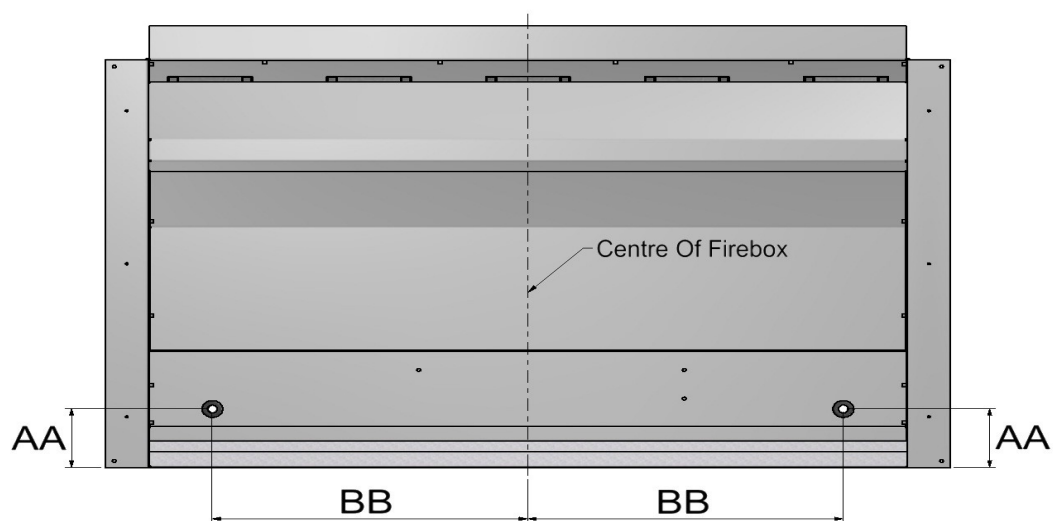


### Note: For Combustible Floors

Minimum Hearth of 300mm (A) must be maintained at any given height.

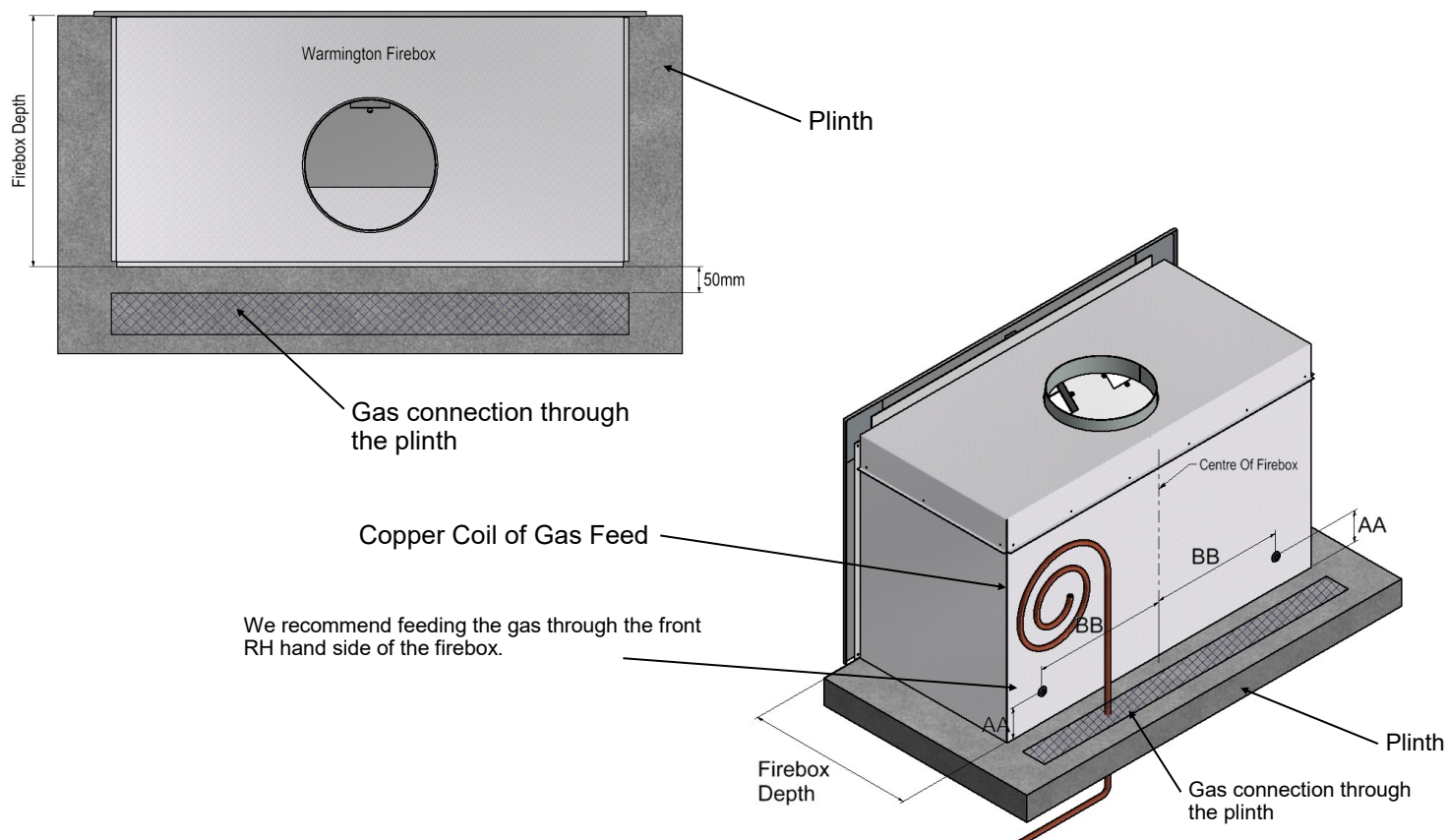


## GAS SUPPLY & ELECTRONICS LOCATION



Firebox		SG / EG 1250	SG / EG 1500
From Base Of Firebox	<b>AA</b>	86	86
From Centre Of Firebox	<b>BB</b>	548.5	625

## CONCEPT THROUGH CONCRETE SLAB





## SG / EG Range: Gas Convection Fireplaces

### TO THE INSTALLER / GAS FITTER and ELECTRICIAN

#### NOTES:

- Service annually or more if required.
- Custom built to clients requirements to relevant and current standards.
- The Appliance and Flue System must be installed in accordance with the relevant and current standards and the appropriate Building codes.
- The Appliance and Flue System must be tested in accordance with the relevant and current standards and the appropriate Building codes.

**FLUED GAS APPLIANCES:** All Gas Fires requiring Warmington Flue Systems shall be Installed to the requirements of the current standards and shall be appropriately designed and constructed to permit safe and effective use. This Appliance must be flued to the outside atmosphere. All Warmington Fires must be Installed with a minimum of 3.6m of Approved **Warmington Gas Flue and Liners**.

**GAS TYPE:** All Gas Fires shall operate safely on the Gas Type specified on the Appliance and shall comply with the requirements of The Gas Act 1992.

**APPLIANCE SAFETY:** Any Gas Fire Appliance shall comply with the safety requirements of the current standards.

**ELECTRICAL REQUIREMENTS:** All Gas Fire Appliances Installed with Mains Supplied Electrical components for associated use with these Appliances, must comply with The Electricity Regulations 1993.

**ELECTRONIC CONTROL SYSTEMS:** Any Gas Fire Appliance Installed with Manual or Programmable Electronic Control System shall be tested and/or approved by a Recognised Person or Authority.

**SEISMIC RESTRAINTS:** All Fires used for Domestic and Commercial Purposes shall be firmly secured (unless defined as portable or mobile) to prevent dislodgement from their point of fixture or Installation during Seismic Activity. Such Restraint must be of a reasonable expectation.

**GAS CONNECTION:** A Gas Certificate must be obtained for the Installation and Commissioning of this Appliance and Flue System.

Check that the Gas Type Specified on the Data Plate is correct for the available supply (LPG or NG).

A Copper Gas supply capable of supplying the correct MJ/h, should be brought into the rear of the Installation Cavity through the hole provided. A Flare Nut is provided on the Burner for Gas Connection to the Appliance.

### COMMISSIONING AND TESTING OF FIREPLACE

(To be carried out by Gasfitter)

**Read all the instructions before commissioning. Install coals and logs and burner before commission.**

Light appliance and check HIGH/LOW settings. Check operation of appliance and adjust to suit.

Adjust control valve setting if required. After a period of running (30min Plus) check the setting of the pilot and adjust if required. See Spec's for details.

Extinguish appliance, remove test equipment and secure test nipple. Check for Gas Leaks.

**Note\*** The Control Valves are factory set and should not require adjustment.

#### GAS FITTER TO CARRY OUT STANDARD TESTING FOR COMMISSION:

- Spill test taken at top of opening with smoke or smoke match.
- Leak testing appliance and joints.
- Correct operation of the burner and coal and log lay out.
- Test gas pressures high and low, drop test on supply line.
- 5 second light time across burner. Other testing that may be required.
- Ventilation requirements to the standards.
- Clean and or touch up paint of fire box and burner
- Hand over to Client, tests and comply to relevant standards.

#### FITMENT OF BURNER

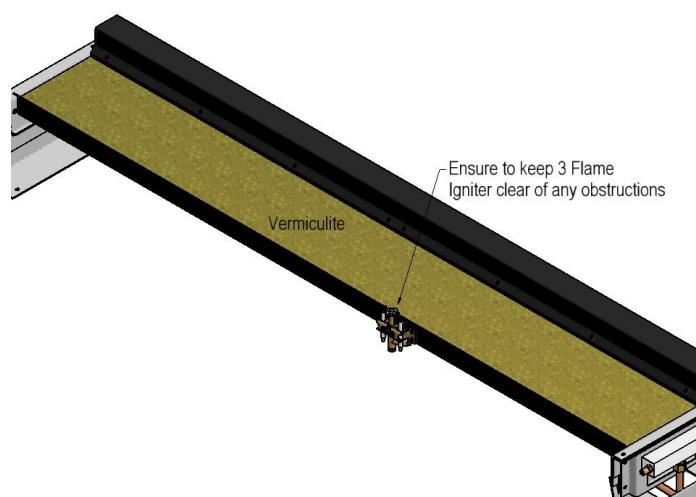


Burner may be secured to the Firebox (optional).

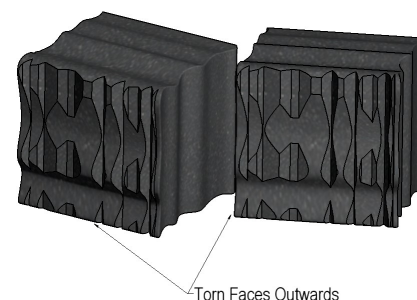
Gas supply pipe into fire, by Gasfitter. See Spec's for pipe size.

## VERMICULITE COARSE

(To be set by Gasfitter)



General Coal orientation for optimum effect.



### APPLYING THE VERMICULITE: (Coarse - must be larger than the burner plates holes so not to block them).

Apply with care a thin layer of Vermiculite over the Burner, just enough to cover the Burner Tray only .

**NOTE:** If the burner flame is uneven, the Vermiculite may need to be changed or sifted to remove the smaller pieces that can block the burners holes. The smaller pieces can ,cause uneven burn and the unit to run dirty.

## COALS AND LOGS

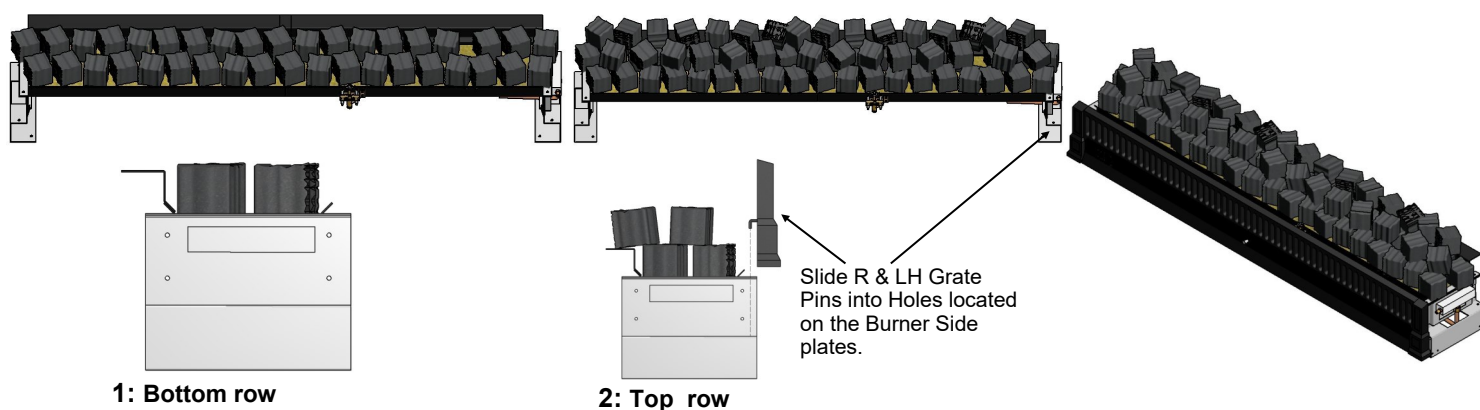
(To be set by Gasfitter)

Gloves should be worn when handling Ceramic Fibre Coals & Logs: care needs to be taken when handling Coals & Logs, due to the carbon on the coals can stain the surroundings.

**HELPFUL HINT:** When hot use Metal Tongs.

Apply a thin layer of Vermiculite over the burner, just enough to cover the burner tray only as shown above.

**1: Bottom Row:** Assemble 2 Bottom Rows of Coals onto the Vermiculite Base. **2: Top Row** Assemble 2 Top Rows of Coals onto the Bottom Row.



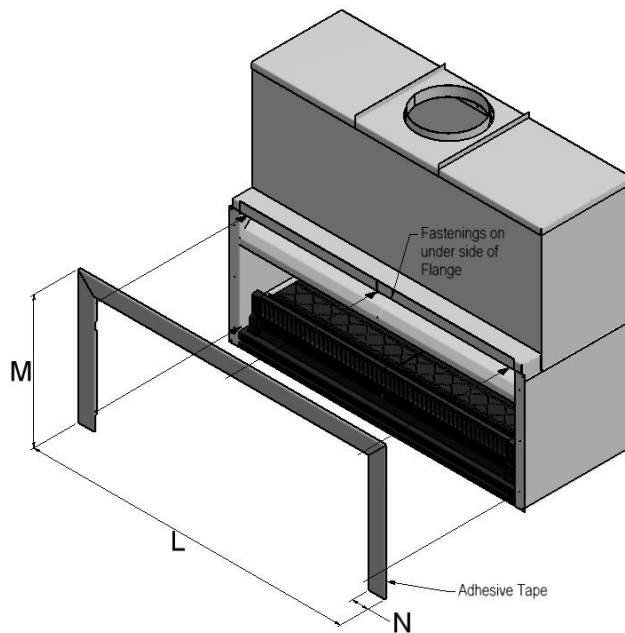
- Each coal randomly positioned with the torn (roughest) face outward . **Ensure coal positioning does not directly block the 3 Flame Pilot.**
- The placement of the coals & cogs may vary to make an even flame pattern.
- Logs and twigs may be scattered to achieve best visual effect.
- Fit Burner grate by sliding R & L side metal pins on grate, into holes located on burner side plates, as shown below.

Model	Number of Coals per Row		Number of Rows		Total Coals
	Bottom	Top	Bottom	Top	Total
SG / EG 1250	16	14	2	2	60
SG / EG 1500	19	16	2	2	70

## FASCIA KIT (Black or Stainless Steel)

Locate the three self-tapping screws provided into the under-side of the top ledge of the Firebox.  
Remove the backing tape from the adhesive Velcro pads at the bottom of each Fascia Side.  
Offer the Fascia into position locating the three screws into their associated slots - tighten screws .  
Apply firm pressure to the bottom edges to bond the Velcro tape.  
The fascia may be removed at any time by loosening the screws and parting the Velcro.

**Please refer to additional sheet for Burner Ratings and Frame-out details.**



### Note:

Fascia is fitted at the end of the installation process and may be after the wall and surroundings have been completed.

## OPERATION OF YOUR WARMINGTON GAS CONVECTION FIRE (SG ONLY)

**Your Fire must be Installed and Tested by a suitably qualified Gasfitter prior to use.**

### To light:

- Open the front cover by pulling in outwards.
- Push in the ignition control switch and hold in the '**PILOT**' position for 5-10 seconds until you can hear the gas come through the pipe – making sure the ignition switch is pressed in firmly.
- To strike the igniter, turn anti clockwise to the \* **STAR** position (with the ignition switch still firmly pressed in) until you hear the pilot ignite with a 'click'. Repeat this process 2 or 3 times if necessary.
- Once the pilot flame is lit, hold this position for 3-5 seconds, then gently let the ignition switch out, and set the flame control to high. It may take a few seconds for the burner to light all the way across.
- Once the flame is established, adjust to the desired setting and close the cover.

### To shut down:

- Open the cover by pulling it outwards.
- Turn the control ignition switch to '**PILOT**' and the flame bed will extinguish.
- Pilot light may be left on and the pilot flame will still burn.
- To fully extinguish, turn to the '**OFF**' position before closing the cover.



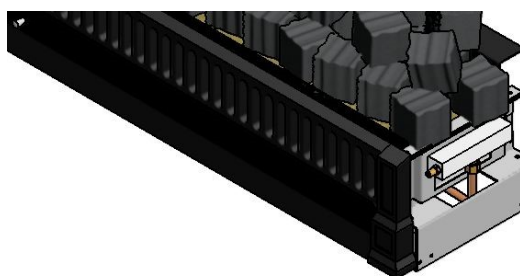
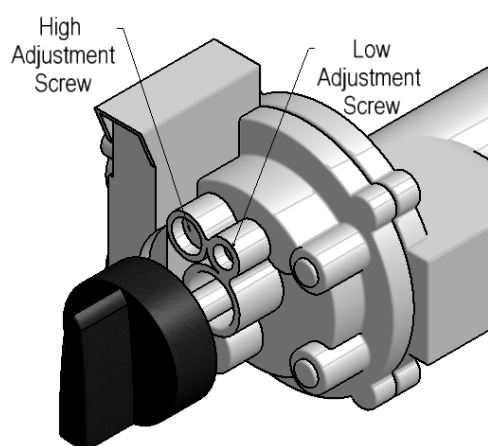
## ADJUSTMENT OF HI - LOW PRESSURE

(SG Fire)

**Adjustment of High & Low Settings Must be Carried out by a Certified Gasfitter**

**Note: Control Valves are Factory Set but may require adjustment onsite.**

- Turn appliance off & remove front plastic cover on igniter. Pull cover to slide off.
- Unscrew test nipple on the burner manifold & fit the test gauge securely - See Diagram.
- **To set the High:** Light the burner & turn to high - then adjust the high screw to the desired pressure. See spec's.
- **To set the Low:** Light the burner & turn to low - then adjust the low screw to the desired pressure. See spec's.
- Extinguish appliance, remove test equipment and secure test nipple.
- Check valve & burner for correct operation & check fire for gas leaks.



Note : Location of Test Nipple may vary from Model to Model .

## ADJUSTMENT OF THE PILOT - 3 FLAME for BOTH SG & EG

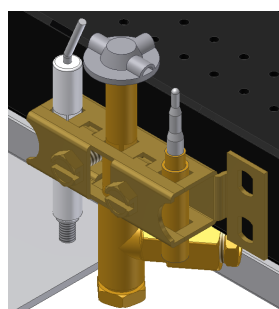
Adjustments by Gasfitter ONLY

**Note:** When the Base screw is removed, gas will leak from the out let, ensure that the pilot is not adjusted or the screw is removed when the fire is burning.

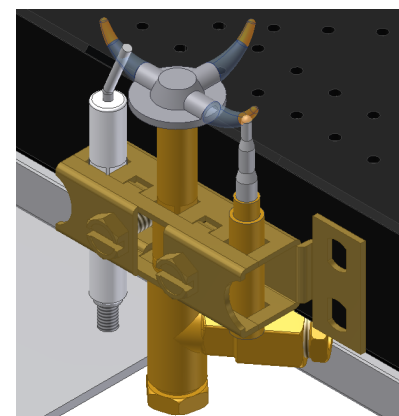
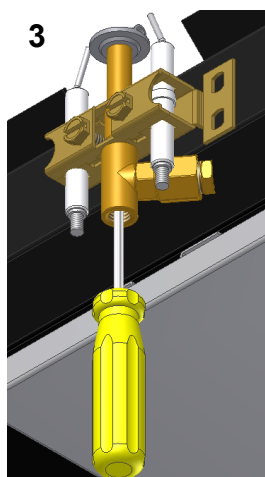
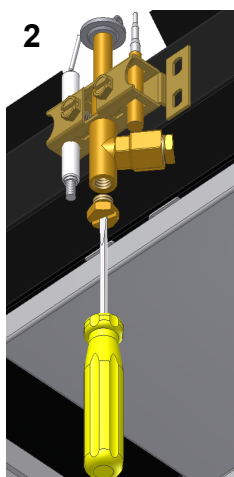
- Adjustment of Pilot - 3 Flame: Unscrew Base Screw as shown in Diagram 2 .
- Insert a Screw Driver as shown in Diagram 3 and adjust the Adjustment Screw up inside the 3 Flame Pilot to adjust the Flame Height.
- The Flame must always be passing over the Electrodes &/or File Tube on either side.
- Replace the Base screw and check for leak.

### Note: to Gasfitters

The 3 flame pilot may need adjustment after a period of running time on set up as the increase in heat in the fire will induce a higher draft in the fire, and may pull in flame away from the file tube, causing the fire to shut down.



3 Flame Pilot in Assembled State



Correct Operation of 3 Flame Pilot

## POINTS OF SAFETY - To the Customer /Home-Owner

Your Warmington Gas Decorative Fire operates on the principle of dual radiant and convected heat. Therefore it is important to observe the following precautions associated with any heating appliance or open fire.

- Do not cover or restrict the fireplace upper or lower vents in any way as this may result in a build-up of hazardous gases within the room.
- The fire is not intended for the drying of clothing, bedding etc.
- Avoid installing this appliance in high traffic areas, strong draughts or near drapes or furniture.
- The use of an approved fireguard is recommended for the protection of young children.
- Avoid using aerosols when the appliance is operating.
- Avoid anyone leaning against or lying directly in front of the fire while operating.
- Do not place anything objects into or against the gas fire at any stage.
- The fire may release a small amount of smoke on its first start up which may take 1or 2 hours to dissipate . This is part of the curing process so ensure there is adequate ventilation within the room.
- Always use a registered Gas Fitter or Electrician for installing and maintenance work.
- Always use certified gas cylinders that have been tested and are safe to use.
- Never modify your gas appliance or its settings from those specified by the manufacturer.

**APPLIANCE SAFETY** Any gas fire appliance shall comply with the safety requirements of the Standards listed or referred to in 'related documents' of this Standard.

**ELECTRONIC CONTROL SYSTEMS** Any gas fire appliance fitted with manual or programmable electronic control systems shall be tested and/or approved by a recognised person or authority.

**SEISMIC RESTRAINTS** All gas fires used for domestic and commercial purposes shall be firmly secured (unless defined as portable or mobile) to prevent dislodgement from their point of fixture or installation during seismic activity.

## WHAT DO YOU DO IF YOU SMELL GAS

- Open windows and doors.
- Do not light any gas appliance.
- Do not use any electrical appliance or switches.
- Do not use the telephone in your home.
- Leave the building; shut off the domestic gas supply valve (beside your meter).
- Call your gas supplier/gas fitter or the Fire Service for further advice.

## MAINTENANCE : All burner settings, coal placement and vermiculite is to be checked and set in accordance with this specification by the service person/Gasfitter

*Lighting your gas fire using electronic or remote ignition systems may vary as per manufacturer instructions.*

Warmington Industries recommend annual servicing of your gas fire by an approved Warmington dealer Gas Fitter.

External surfaces should be dusted with a damp, lint-free cloth when the fire is cold.

Warmington Industries provide 12 months warranty from the date of purchase, for domestic or commercial installations.

### **This Warranty Covers:**

- Replacement Parts and Labour for Gas Control Components due to Manufacturing Defects Only.
- Repair or Replacement of the Burner or Firebox Components due to Manufacturing Defects Only.
- Warranty cover will be considered void if the product is subject to incorrect installation, failure to operate the appliance in accordance with the supplied instructions and specifications or is subject to damage or misuse beyond the expected conditions of normal use.

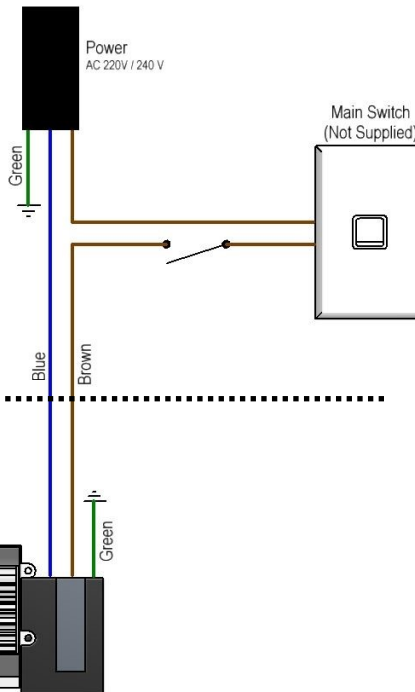


## Option 1:

**Single speed** fan as additional option, on SG units or EG units without remote controlled electronics (eg. units with on/off, hi/low switches on the wall).

Not supplied

Supplied

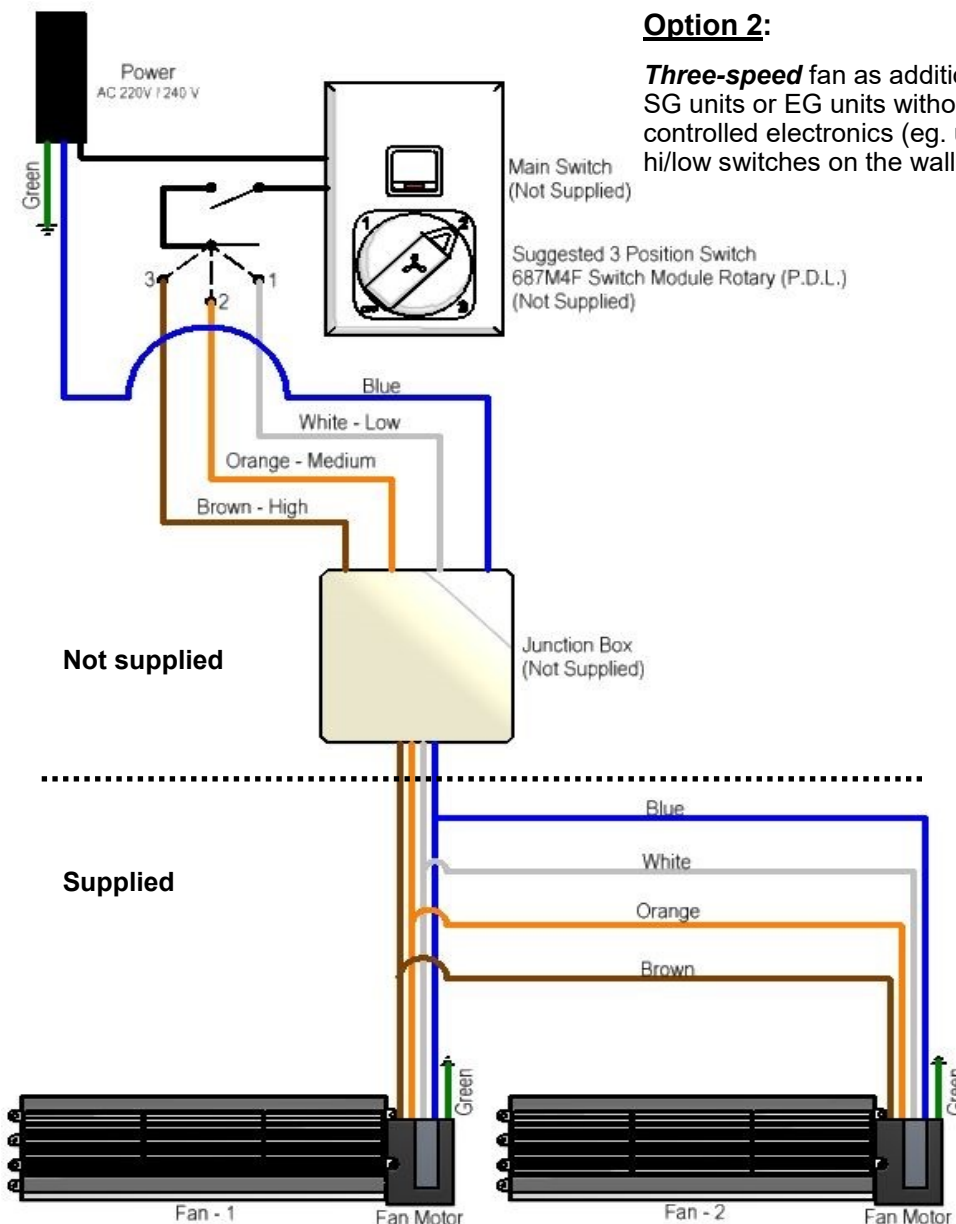


## Option 2:

**Three-speed** fan as additional option, on SG units or EG units without remote controlled electronics (eg. units with on/off, hi/low switches on the wall).

Not supplied

Supplied



## EG ON/OFF ONLY ( SIT840 valve)

- Light appliance and check the pressure to the hi kPa value in the table for maximum output.

**NOTE: Any alterations to pressure is to be carried out by a Certified Gasfitter**

- If adjustments are necessary, remove the dust cap on the control valve. The pressure adjustment screw is on the front side of the gas control valve (shown in Diagram B in this specification) and is factory set.

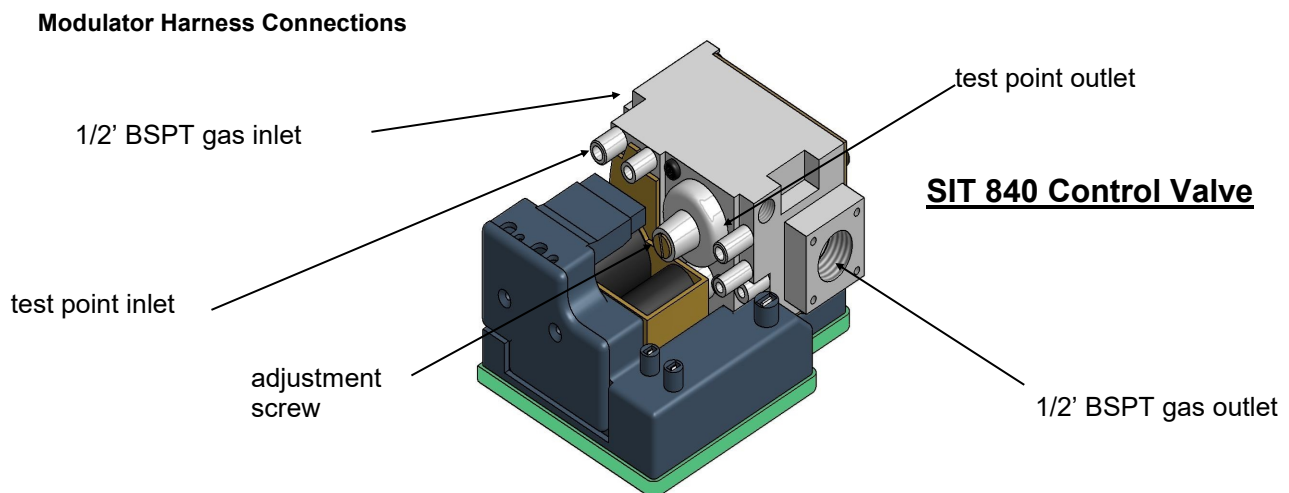
**WARNING:** Ensure that the dust cap is replaced after adjustment.

**Pressure Setting:** Turn the burner on with the switch and wait for full ignition. Using a standard screwdriver, screw the adjusting screw clockwise to increase the outlet pressure, or screw counter clockwise to decrease the pressure to the desired settings.

**Set the pressure to the hi kPa value in the table for maximum output.**

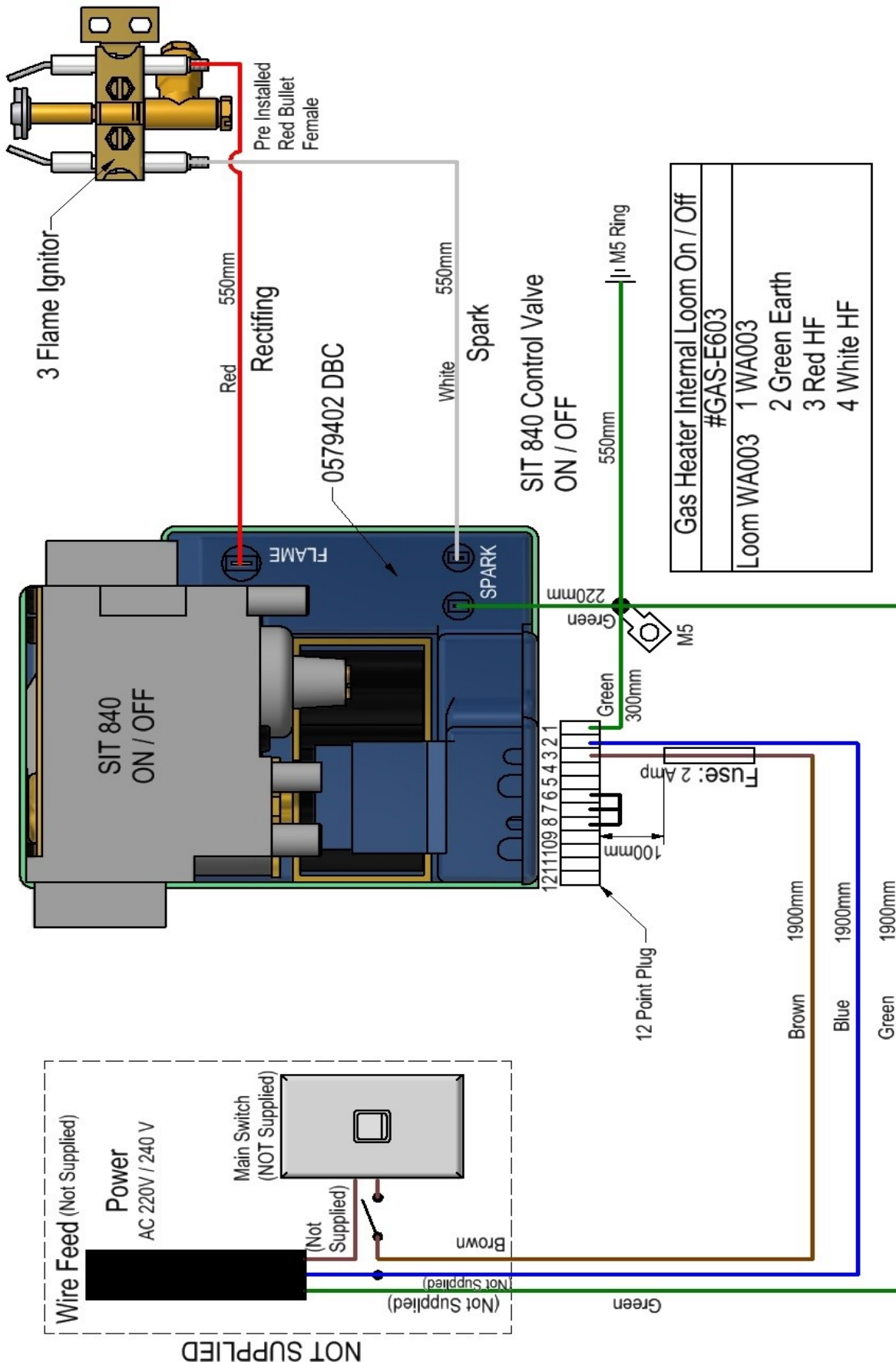
**The burner will operate any pressure between the hi and the low pressures.**

## DIAGRAM B (SHOWING CONTROL VALVE WITH TEST POINTS AND ADJUSTING SCREW)



- After checking the pressure, turn the unit off, remove manometer from the test point and tighten the test point screw. Ensure to check for gas leaks.
- Turn the appliance on and off a few times to check ignition.
- When satisfied that the appliance is working correctly, fit the front panel assembly back to the gas burner.
- NOTE : Ensure you peel the Protective Plastic Coating from any stainless steel components if fitted.
- All burner aerations are Factory Preset and cannot be adjusted.
- If you are unable to get the unit to operate correctly, refer to troubleshooting before contacting your Local Service Contact.
- It may take approximately 2 hours of operation for the coals/Llgs or river rocks to achieve their full flame pattern and glow.
- During the initial burn period, some smoke and smell may be experienced. Because of this, run the appliance on the high position in a well ventilated room until these dissipate.

## EG ON/OFF ONLY (SIT840 valve) - WIRING DIAGRAM



## EG HI/LOW (SIT 843 valve)

- Light appliance and check the pressure to the hi kPa value in the table for maximum output.

**NOTE : Any alterations to pressure is to be carried out by a Certified Gas Fitter.**

- If adjustments are necessary, remove the dust cap on the control valve. The pressure adjustment screw is on the front side of the gas control valve (shown in Diagram B in this specification) and is factory set.

**WARNING:** Ensure that the dust cap is replaced after adjustment.

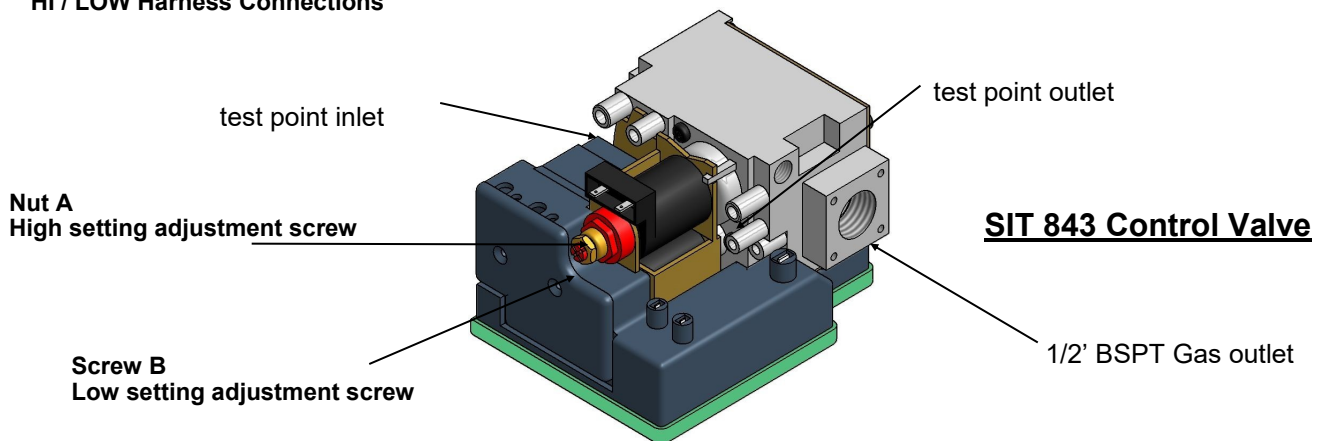
**Pressure Setting:** Turn the burner on with the switch and wait for full ignition. Using a standard screw driver, screw the adjusting screw clockwise to increase the outlet pressure, or screw counter clockwise to decrease the pressure to the desired settings.

**Set the pressure to the hi kPa value in the table for maximum output.**

**The burner will operate any pressure between the hi and the low pressures.**

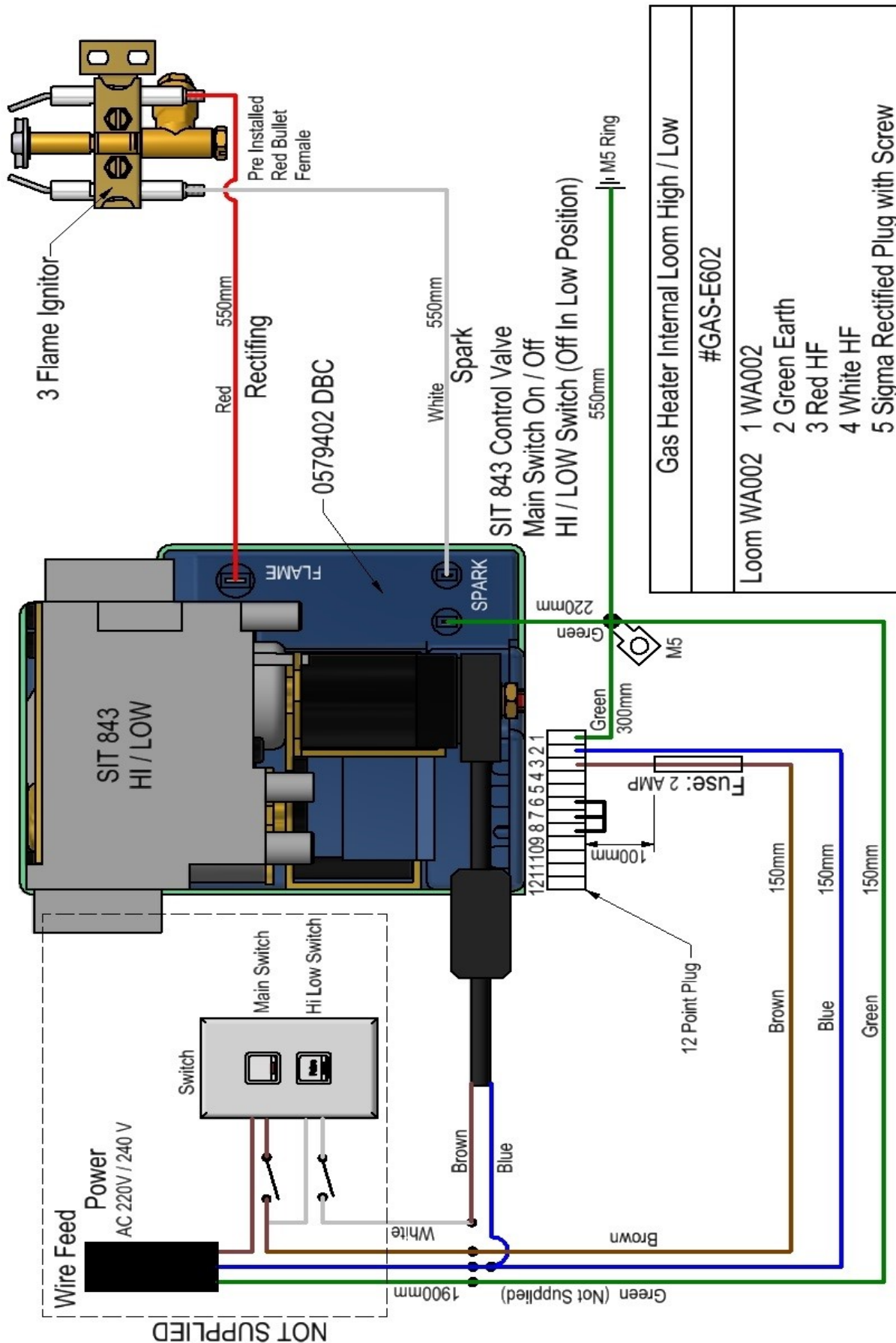
## DIAGRAM B ( SHOWING CONTROL VALVE WITH TEST POINTS AND ADJUSTING SCREW )

### HI / LOW Harness Connections



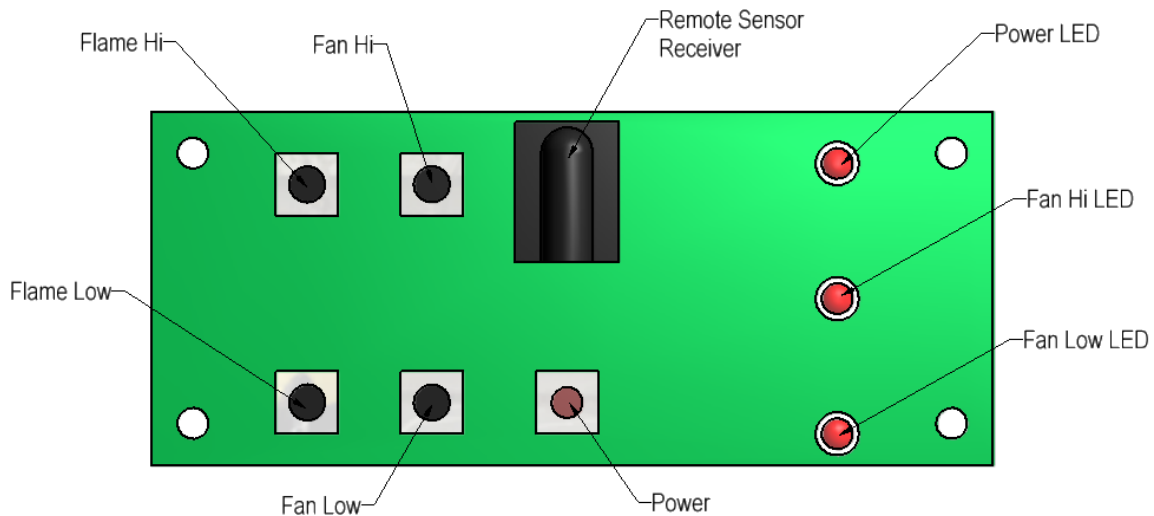
- After checking the pressure, turn the unit off, remove manometer from the test point and tighten the test point screw. Ensure to check for gas leaks.
- Ensure power is off & reconnect Modulator Harness Connection in the Main Harness. See Diagram B above.
- Turn the appliance on and off a few times to check ignition.
- When satisfied that the appliance is working correctly, fit the front panel assembly back to the gas burner.
- NOTE : Ensure you peel the Protective Plastic Coating from any stainless steel components if fitted.
- All burner Aerations are factory preset and cannot be adjusted.
- If you are unable to get the unit to operate correctly, refer to troubleshooting before contacting your Local Service Contact.
- It may take approximately 2 hours of operation for the coals/logs or river rocks to achieve their full flame pattern and glow.
- During the initial burn period, some smoke and smell may be experienced. Because of this, run the appliance on the high position in a well ventilated room until fumes dissipate.

## EG HI/LOW (SIT 843 valve) - WIRING DIAGRAM





## OPERATION OF YOUR REMOTE CONTROLLED EG/SG GAS BURNER (SIT 845 valve)



### AS SHOWN FROM THE FRONT OF THE BURNER

This Control Panel is located on the bottom left hand side of your Warmington decorative gas fire.

Press and release the power button. This will start the electronic spark and the power LED will be on permanently. The pilot will ignite first and once this is on, it will ignite the main burner. Pressing and releasing the power button again will switch off the appliance.

When the appliance is turned on again, the gas fire will resume the previous flame and fan settings, unless the appliance was switched off due to power failure. In the circumstance of a power failure the Remote Control System will return to the default settings which is a low flame and the fan turned off.

If the gas fails to light, the appliance it will go into lock out mode, after trying to ignite for 1 minute (approx.). In lock out mode the power LED will remain illuminated. To start the appliance again, press and release the power button twice after the gas supply resumes.

## FLAME OPERATION

- Press and hold the + button to increase the main burner flame.
- Press and hold the - button to decrease the main Burner Flame.
- By holding the + or - Flame Button for up to 10-15 seconds, this will increase or decrease the main burner flame to it's max or min.

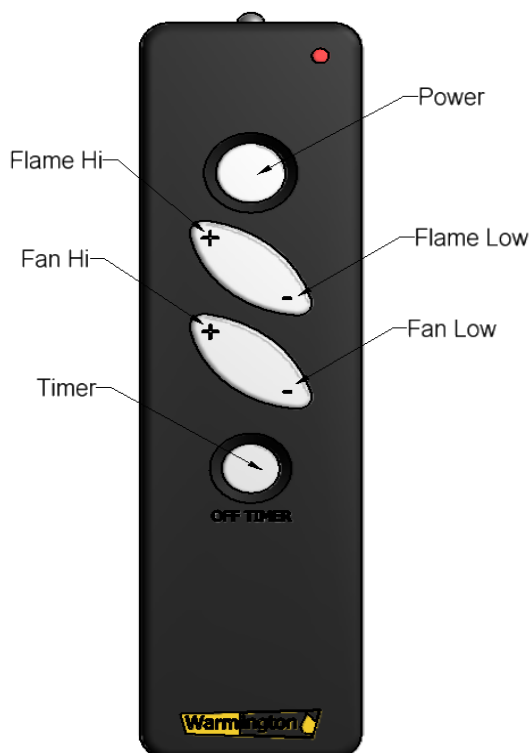
## FAN OPERATION

The Warmington decorative gas fire has a 3 Speed Fan and its operated independent from the main burner.

This is done by pressing and releasing the fan + or – button will increase or decrease the fan speed. The LED on the front panel will indicate the fan settings at low, medium, or high speed.

Pressing and releasing of the button will lower the speed until the fan is turned off.

## REMOTE CONTROL FEATURES



Your remote control has receiver situated on the front panel of the burner.

all the features of the control

By pressing Timer button, the power LED will start flashing and after 30 minutes the appliance will shut off automatically.

By pressing the Timer button again within the 30 minute period, this will reset the timer and the power LED will stop flashing.

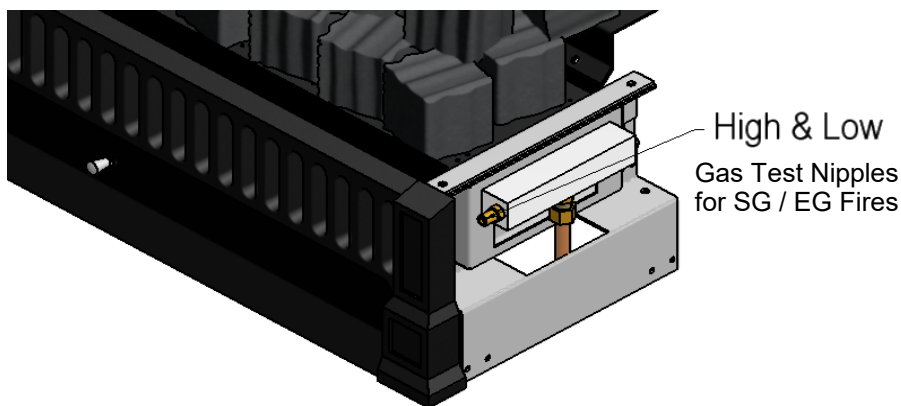
## IMPORTANT NOTE ABOUT YOUR DECORATIVE FIRE

Warranty Cover will be considered void if failure to operate the appliance in accordance with the supplied Instructions and Specifications, or is subject to damage or misuse beyond the expected conditions of normal use which could result in injury or property damage .

## PROCEDURE FOR THE TEST AND COMISSIONING OF YOUR DECORATIVE FIRE.

### Ensure Gas Supply and the Power Supply (caution 240V) to the Unit

- Refer to Data Plate on this specification for settings. The Data plate is attached to the under carriage of the Burner.
- Remove front grate and ensure the CAT5 cable to the Control Receiver is still connected.
- Loosen the Jet test point and attach manometer (digital is preferred). The test point is on the right hand side of the gas burner, as shown below:



Note : Location of the Test Nipple - may vary from Model to Model

- Light appliance, adjust to high flame setting and check pressure, adjust to low flame and check pressure.

**NOTE:** Any alterations to pressure is to be carried out by a Certified Gasfitter.

- If adjustments are necessary, remove the cap . The Pressure Adjustment screw and nut are on the front side of the Gas Control Valve (shown in diagram **B** in this specification) and are **factory** set.

**High Pressure Setting:** Set the modulator to maximum condition. Screw in **Nut A** to increase the outlet pressure then screw nut A out to decrease the pressure to the desired settings. Use 10mm spanner.

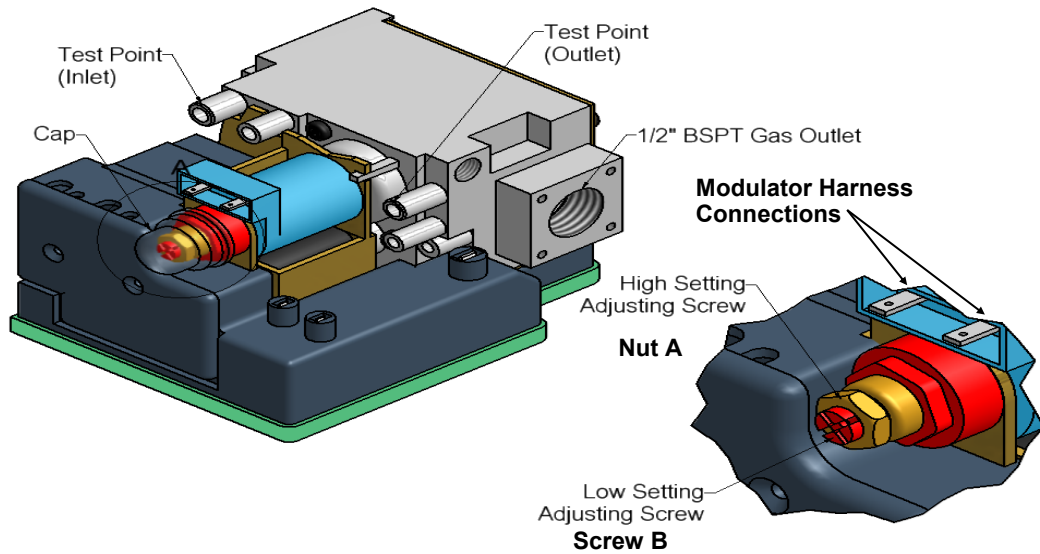
**Low Pressure Setting:** Turn off the power to the modulator (by disconnecting the modulator harness connection at the valve - see wiring.) and, keep nut A stationary. Use a screwdriver to screw in **Screw B** to increase the pressure and screw it out to decrease the pressure. Carefully replace the modulator plastic cap.

**WARNING:** To ensure the correct operation of the modulator it is necessary that the plastic cap is returned to its original location.

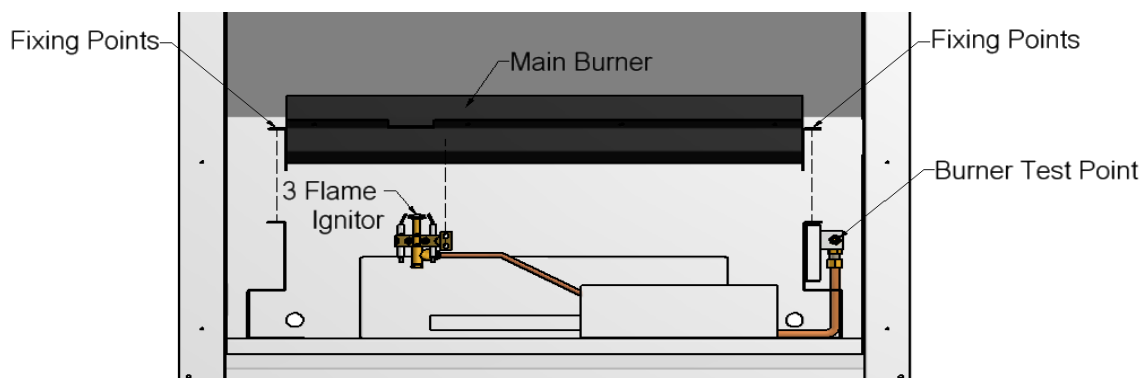
# **DIAGRAM B ( SHOWING CONTROL VALVE WITH TEST POINTS AND ADJUSTING SCREW ).**

## **Modulator Harness Connections**

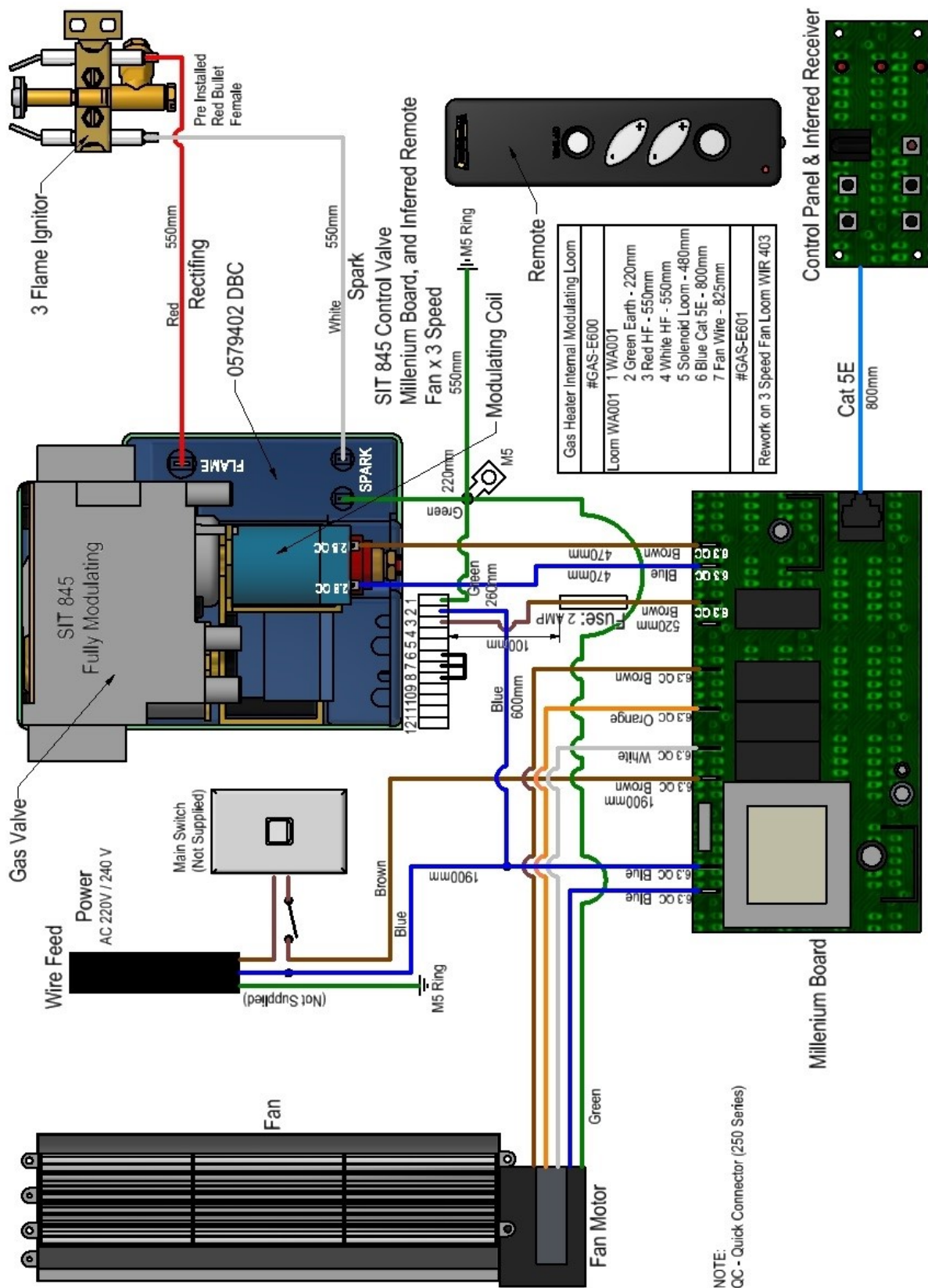
## **DIAGRAM B**



- After checking the pressure, turn the unit off, remove manometer from the test point and tighten the test point screw. Ensure to check for gas leaks.
- Ensure Power is off & reconnect Modulator Harness Connection in the main harness. See **Diagram B** above.
- Turn the appliance on and off a few times to check ignition.
- When you are satisfied that the appliance is working correctly, fit the front panel assembly back to the gas burner.
- **NOTE:** Ensure you peel the Protective Plastic Coating from any stainless steel components if fitted.
- All Burner aerations are Factory preset and cannot be adjusted.
- If you are unable to get the unit to operate correctly, refer to troubleshooting before contacting your Local Service Contact.
- It may take approximately 2 hours of operation for the coals/logs or river rocks to achieve their full flame pattern and glow.
- During the Initial Burn period, some smoke and smell may be experienced. Because of this, run the appliance on the high position in a well ventilated room until the fumes dissipate .



## FULLY MODULATING (SIT 845 valve) - WIRING DIAGRAM





**GENERAL NOTES****NOTES:**

- These installation and operating instructions should be kept in a safe place. Should you require another copy, download from the **Warmington** website [www.warmington.co.nz](http://www.warmington.co.nz).
- Warranty - for full details on product warranties, contact your local Authorised Warmington Retailer.
- Correct installation, operation and maintenance must be maintained to comply with the **Warmington** Warranty.
- The appliance and flue system must be installed in accordance with relevant standards and the appropriate building codes.
- This appliance must be serviced annually and any service operation must be carried out by a qualified service person.

**WARNINGS:**

- **WARNING: ANY MODIFICATION OF THE APPLIANCE THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED A BREACH OF NZ STANDARDS.**
- **WARNING: DO NOT USE OR STORE FLAMMABLE LIQUIDS OR AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILST IN OPERATION.**
- **WARNING; DO NOT PLACE FLAMMABLE MATERIALS ON OR AGAINST THIS APPLIANCE.**
- **CAUTION:** THIS APPLIANCE SHOULD BE MAINTAINED AND OPERATED AT ALL TIMES IN ACCORDANCE WITH THESE INSTRUCTIONS.
- **CAUTION:** ALL SERVICING MUST BE CARRIED OUT BY AN AUTHORISED SERVICE TECHNICIAN.
- **CAUTION:** MAKE SURE THE USE OF CORRECT FUEL TYPE WITH THIS APPLIANCE.

**NOTE: Keep a copy of these instructions for operating and maintenance guidelines.**



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