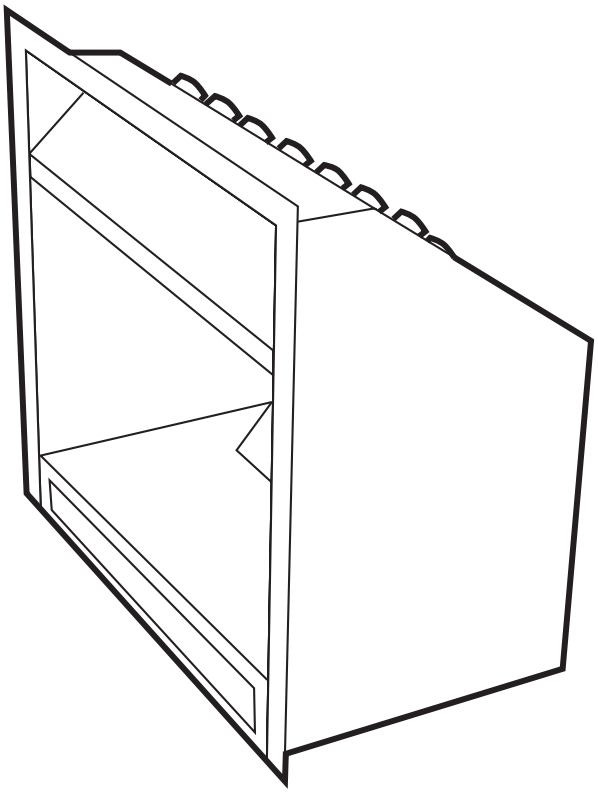
real flame
the hearth of australia



HEATSEEKER® GAS FIREBOX

INSTALLATION & OPERATING MANUAL

The Heatseeker Gas Firebox is approved to be installed into a masonary fireplace and as a zero clearance firebox and is designed to operate on Natural Gas and Propane (LPG) gases ONLY. Approval Number GMK10100.

Installed primarily as a decorative appliance. Not certified as a Space Heater.

VERSION 19

WARRANTY INFORMATION

The benefits provided to you under the following warranty are in addition to any other rights and remedies available to you under the law.

1. Warranty

If:

(a) during the first 10 years from the date of purchase (Firebox Warranty Period), there is a defect in the firebox of the Real Flame Gas Burner; or

(b) during the first 12 months from the date of purchase (Parts Warranty Period), there is a defect in the gas valves or other parts of the Real Flame Gas Burner,

due to improper workmanship or material, Real Flame will replace or repair the Real Flame Gas Burner without charge. Any replacement product is warranted only for the time remaining on the original Firebox Warranty Period or the Parts Warranty Period as relevant.

2. Registration

You must register to receive the benefit of this warranty by completing the warranty registration on our website (www.realflame.com.au) or completing and mailing the attached registration card within 30 days of purchase of your Real Flame Gas Burner (or, if the Real Flame Gas Burner is fitted to a new home, within 30 days of the date of settlement of purchase of such new home).

3. Exclusions

Real Flame is not obliged to replace or repair the Real Flame Gas Burner under clause 1 if:

(a) it has been improperly stored, installed, connected, used, operated or repaired, or damaged, abused, tampered with, altered (without our written approval), or not maintained in strict accordance with our installation and operating instructions; or

(b) it has been installed in an outdoor setting.

4. Limit of Liability

The warranty provided under this warranty is limited to replacement or repair of the Real Flame Gas Burner only, at our option. To the extent permitted by law, Real Flame excludes liability for consequential loss or any other loss or damage caused to property or persons arising from any cause whatsoever, and damage arising from normal wear and tear.

5. Claiming under the Warranty

In order to claim under this warranty you must, within the Firebox Warranty Period or the Parts Warranty Period (as relevant), contact Real Flame, providing the original proof of purchase and the details below:

Supplier Name_____

Date Of Purchase / settlement of property if new home _____

Model / Serial Number_____

This warranty does not cover the cost of claiming under the warranty or transporting the Real Flame Gas Burner to and from the supplier.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

If you would like to speak to someone about your Real Flame Gas Burner or claiming under this warranty, please contact the Real Flame Service Warranty Desk on 03 8706 2000.

Real Flame Pty Ltd ACN 006 311 155

Head Office: 1340 Ferntree Gully Road, Scoresby 3179

Telephone: 03 8706 2000 Facsimile: 03 8706 2001

INSTALLATION NOTICE

- **The installation of this appliance is only to be carried out by an authorised person in accordance with the Manufacturer's Instructions, local gas fitting regulations, AS5601-2004 installation code for gas burning appliances and any other relevant statutory regulations.**
- **In all cases the installation of this appliance shall meet the requirements as set out in AS5601-2004.**

- **NOTE: A slight smell may be apparent for the first few hours of use. This is due to the heat resistant paint curing. It is recommended to open windows in the room for the first lighting of the fire. In some instances a slight discolouration may occur inside the firebox. This is a normal condition and is not covered by warranty.**

IMPORTANT SAFETY NOTICES

- **DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.**
- **DO NOT USE OR STORE FLAMMABLE MATERIAL NEAR THE APPLIANCE.**
- **DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILST IT IS IN OPERATION.**
- **CARE MUST BE TAKEN TO ENSURE THAT ANY RETURN AIR REGISTER OR EXHAUST SYSTEM DOES NOT ADVERSLEY AFFECT THE OPERATION OF THE APPLIANCE OR DRAUGHT OF CHIMNEY OR FLUE.**
- **DO NOT MODIFY THIS APPLIANCE.**
- **THIS APPLIANCE IS DESIGNED TO OPERATE WITH LUMINOUS FLAMES. THIS MAY EXHIBIT SLIGHT CARBON DEPOSITS.**

WARNING

This firebox has a naked flame, care should be taken when it is operating if children or the infirm are in close proximity. A safety screen is recommended if constant supervision is not possible. It is recommended that a secondary guard complying with AS-NZS2286 be installed.

VENTILATION REQUIREMENTS

MODEL	EFFECTIVE VENTILATION
600	18,000 sq mm
700	18,000 sq mm
850	32,000 sq mm
1000	32,000 sq mm
1500	40,000 sq mm

THIS IS PRIMARILY A DECORATIVE APPLIANCE AND IS NOT CERTIFIED AS A SPACE HEATER.

CONTENTS

DATA PLATE (Affixed to burner)

HSIB600
Fitted with Magiglo 400 or 400EI burner

Gas	Injector Size (mm)	TPP	N.G.C. (Mj/Hr)
Natural Gas	1 x 2.60	0.80 kPa	28
ULPG	1 x 1.30	2.70 kPa	21

Fitted with Magiglo 540 or 540EI burner

Gas	Injector Size (mm)	TPP	N.G.C. (Mj/Hr)
Natural Gas	2 x 2.25	0.80 kPa	37
ULPG	2 x 1.10	2.60 kPa	33

HSIB700
Fitted with Magiglo 400 or 400EI burner

Gas	Injector Size (mm)	TPP	N.G.C. (Mj/Hr)
Natural Gas	1 x 2.60	0.80 kPa	28
ULPG	1 x 1.30	2.70 kPa	21

Fitted with Magiglo 540 or 540EI burner

Gas	Injector Size (mm)	TPP	N.G.C. (Mj/Hr)
Natural Gas	2 x 2.25	0.80 kPa	37
ULPG	2 x 1.10	2.60 kPa	33

HSIB850
Fitted with Magiglo 540 or 540EI burner

Gas	Injector Size (mm)	TPP	N.G.C. (Mj/Hr)
Natural Gas	2 x 2.25	0.80 kPa	37
ULPG	2 x 1.10	2.60 kPa	33

Fitted with Magiglo 750 or 750EI burner

Gas	Injector Size (mm)	TPP	N.G.C. (Mj/Hr)
Natural Gas	3 x 1.85	0.75 kPa	39
ULPG	3 x 0.95	2.55 kPa	34

HSIB1000
Fitted with Magiglo 750 or 750EI burner

Gas	Injector Size (mm)	TPP	N.G.C. (Mj/Hr)
Natural Gas	3 x 1.85	0.75 kPa	39
ULPG	3 x 0.95	2.55 kPa	34

HSIB1500
Fitted with 1000EI burner

Gas	Injector Size (mm)	TPP	N.G.C. (Mj/Hr)
Natural Gas	3 x 2.25	0.75 kPa	49
ULPG	3 x 1.10	2.60 kPa	49

Fitted with 1200EI burner

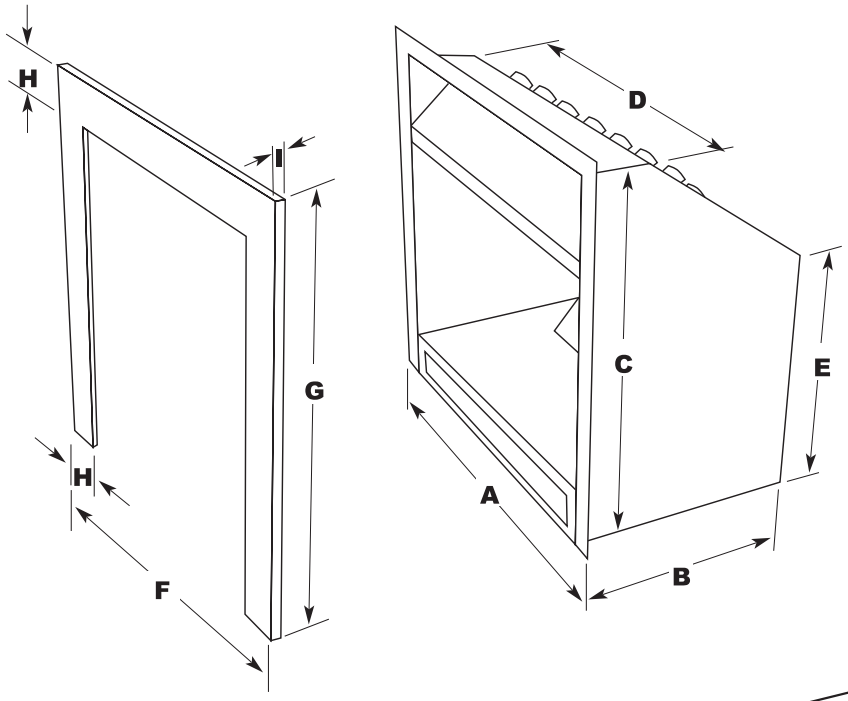
Gas	Injector Size (mm)	TPP	N.G.C. (Mj/Hr)
Natural Gas	4 x 2.20	0.80 kPa	55
ULPG	4 x 0.95	2.55 kPa	48

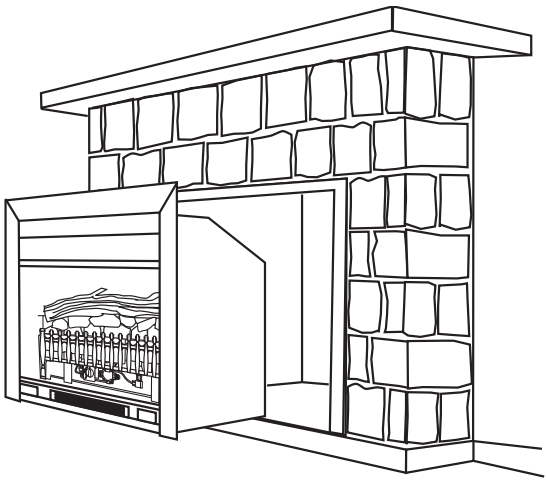
HEATSEEKER INBUILT MODEL

- Unit installed into an existing “working” fireplace requires an AGA approved 225mm gas cowl and chimney plate fixed to the chimney top.
- If the fireplace is not a “working” fireplace, then the applicable flue to the model being installed should be installed using a gather, single skin flue and AGA approved gas cowl.
- If the flue is to be exposed, or enclosed with any combustible material, the appropriate approved twin skin flue and gas cowl is required.

Overall Dimensions (in mm)

MODEL	A	B	C	D	E	F	G	H	I
600	730	370	605	610	370	740	670	75	15
700	830	370	605	710	370	840	670	75	15
850	980	370	605	860	370	990	670	75	15
1000	1130	370	605	1005	370	1140	670	75	15
1500	1650	370	605	1505	370	1650	670	75	15





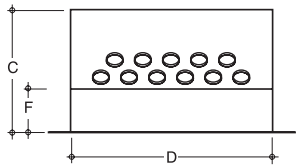
DIMENSIONS

Heatseeker 600

A	B	C	D	E	F	G	H
670	740	370	610	605	130	330	365

I	J	K	L
380	150	65	60

PLAN



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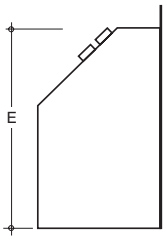

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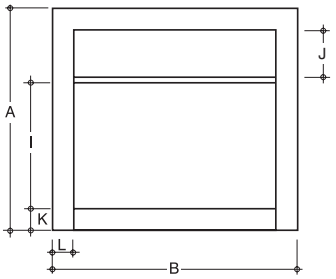

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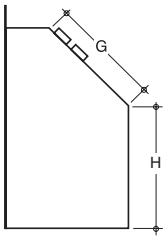

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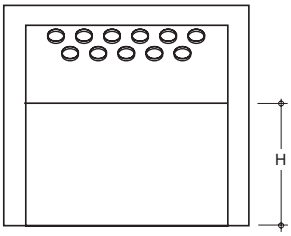

Heatseeker 600 Trim

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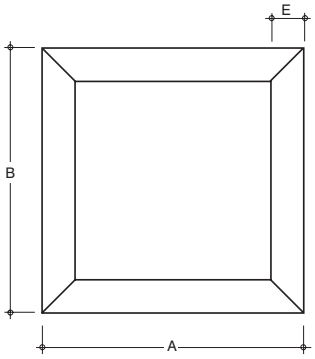

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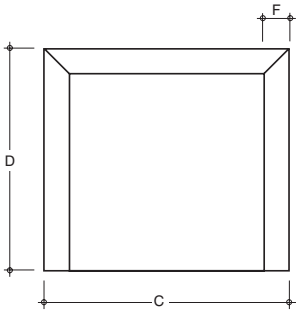


A	B	C	D	E	F
790	800	740	670	100	75

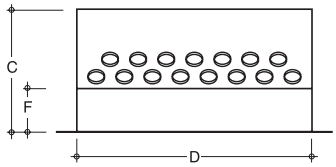
DIMENSIONS

Heatseeker 700

A	B	C	D	E	F	G	H
665	830	370	710	605	130	330	365

I	J	K	L
380	150	65	60

PLAN



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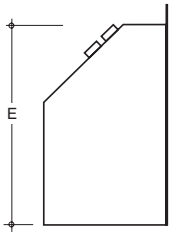

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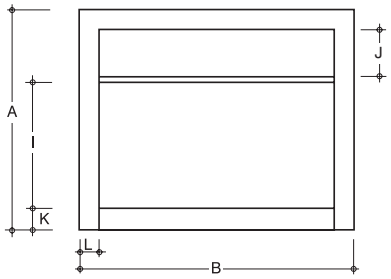
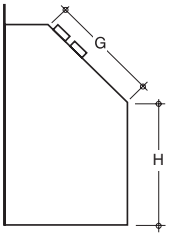


RHS



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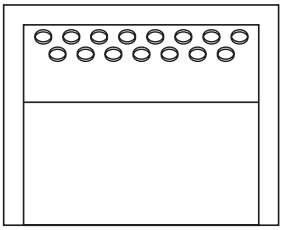

Heatseeker 700 Trim

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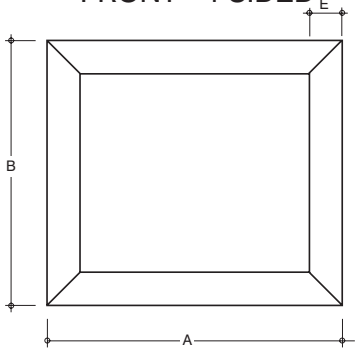

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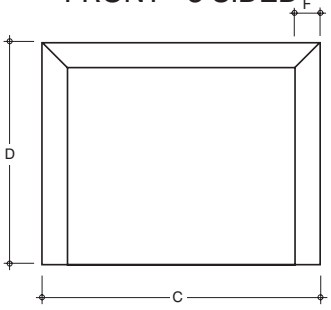


A	B	C	D	E	F
890	800	840	670	100	75

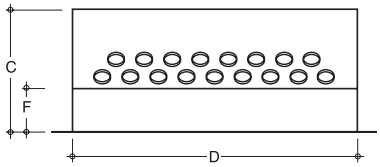
DIMENSIONS

Heatseeker 850

A	B	C	D	E	F	G	H
665	980	370	860	605	130	330	365

I	J	K	L
380	150	65	60

PLAN



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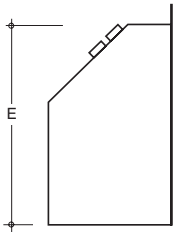

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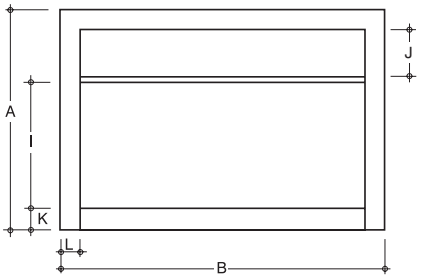

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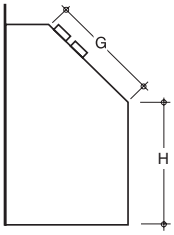

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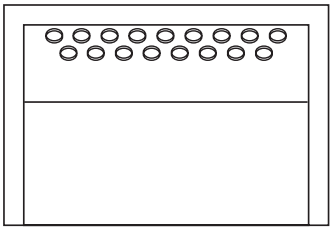
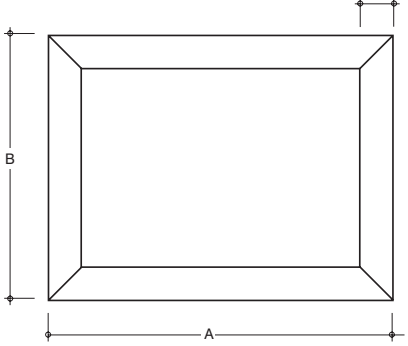


Heatseeker 850 Trim

FRONT - 4 SIDED



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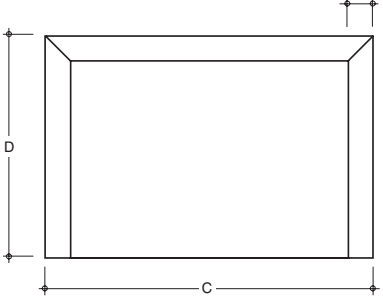


A	B	C	D	E	F
1040	800	990	670	100	75

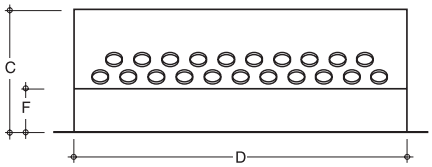
DIMENSIONS

Heatseeker 1000

A	B	C	D	E	F	G	H
665	1130	370	1005	605	130	330	365

I	J	K	L
380	150	65	60

PLAN



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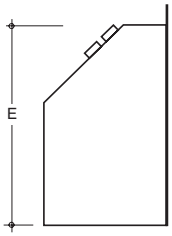

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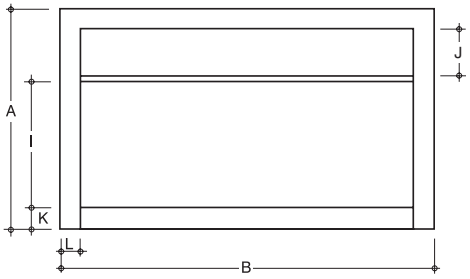

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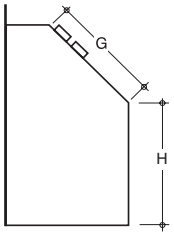

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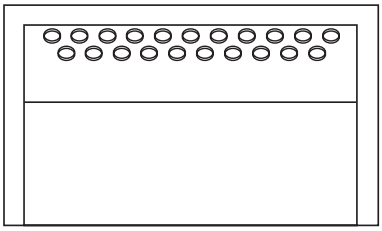

Heatseeker 1000 Trim

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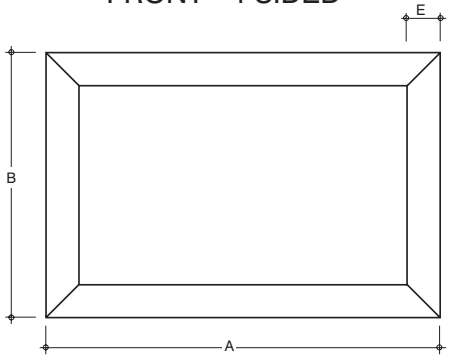

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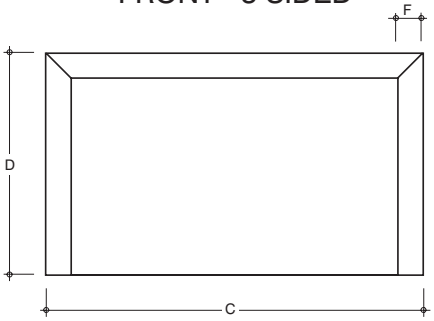


A	B	C	D	E	F
1190	800	1140	670	100	75

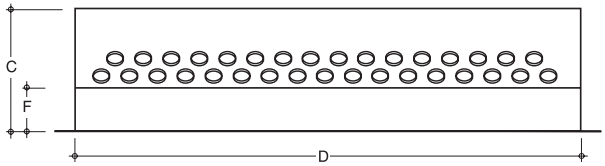
DIMENSIONS

Heatseeker 1500

A	B	C	D	E	F	G	H
670	1630	370	1505	605	130	330	365

I	J	K	L
380	150	65	65

PLAN



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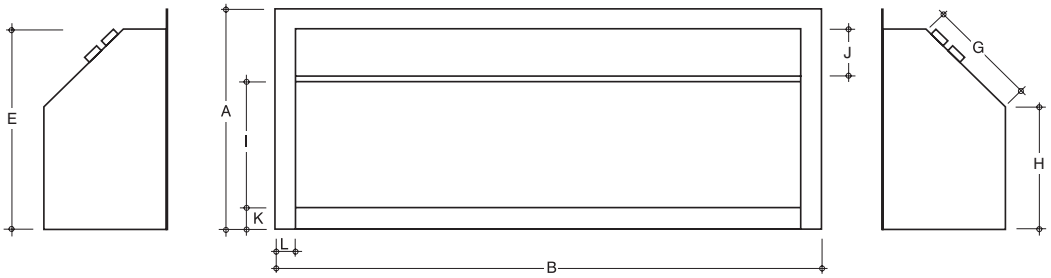

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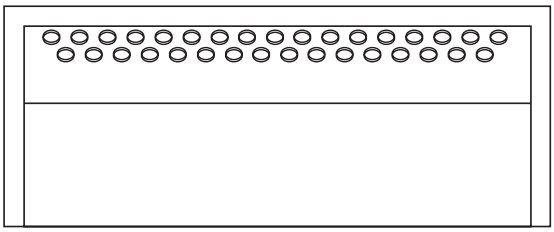

Heatseeker 1500 Trim

A	B	C	D	E	F
1650	800	1650	670	100	75

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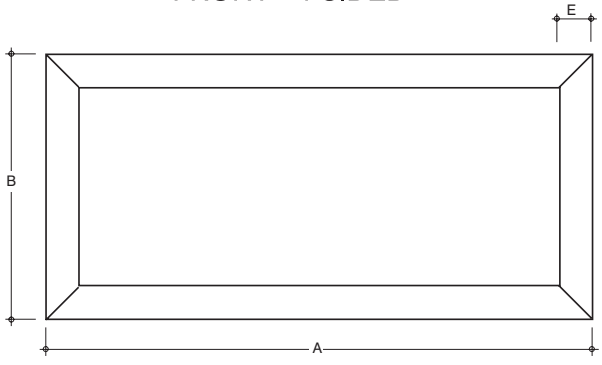

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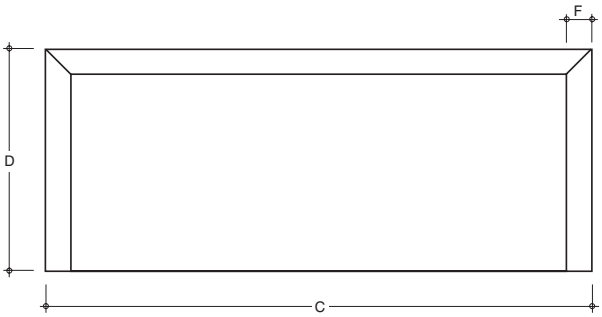


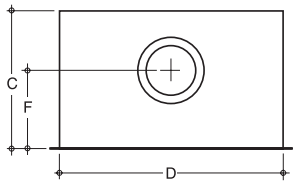
DIMENSIONS

Heatseeker 600 ZC

A	B	C	D	E	F	G	H
665	730	415	675	-	235	650	-

I	J	K	L
380	150	65	60

PLAN



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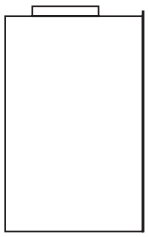

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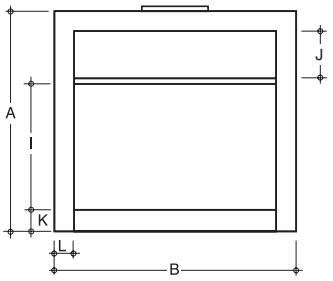

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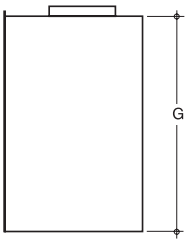
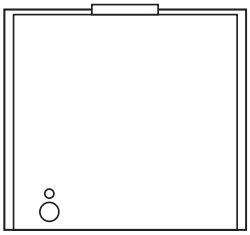
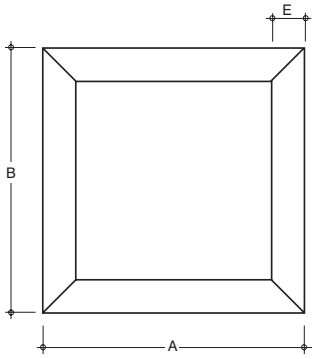


REAR

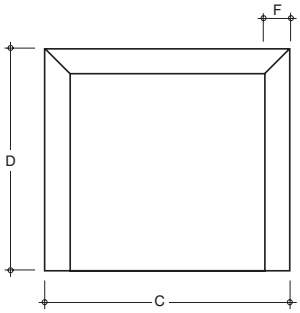


Heatseeker 600 ZC Trim

FRONT - 4 SIDED



FRONT - 3 SIDED



A	B	C	D	E	F
790	800	740	670	100	75

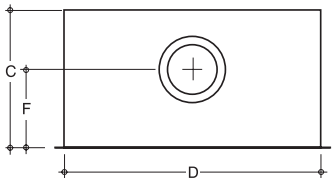
DIMENSIONS

Heatseeker 700 ZC

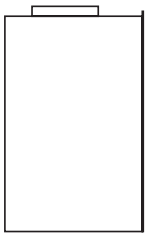
A	B	C	D	E	F	G	H
665	830	415	775	-	235	650	-

I	J	K	L
380	150	65	60

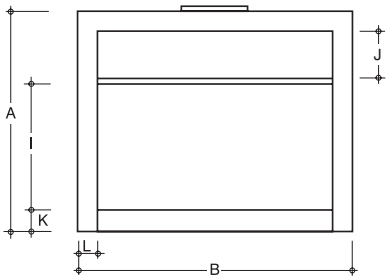
PLAN



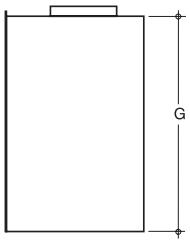
LHS



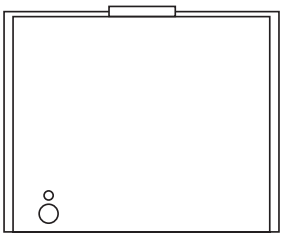
FRONT



RHS

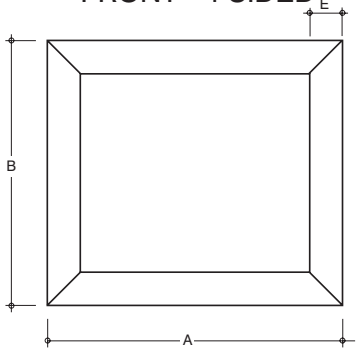


REAR

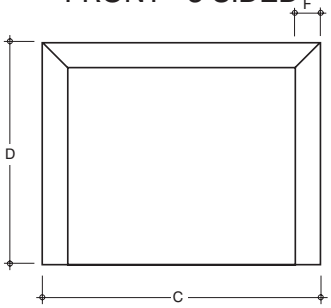


Heatseeker 700 ZC Trim

FRONT - 4 SIDED



FRONT - 3 SIDED



A	B	C	D	E	F
890	800	840	670	100	75

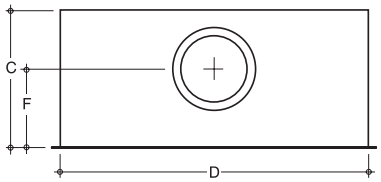
DIMENSIONS

Heatseeker 850 ZC

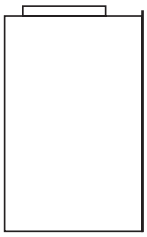
A	B	C	D	E	F	G	H
665	985	415	930	-	235	650	-

I	J	K	L
380	150	65	60

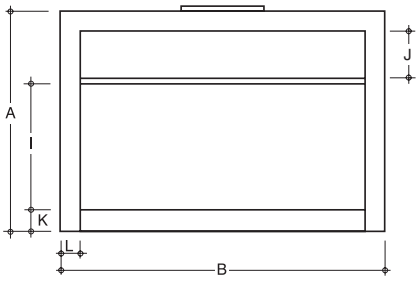
PLAN



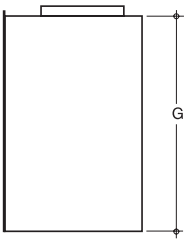
LHS



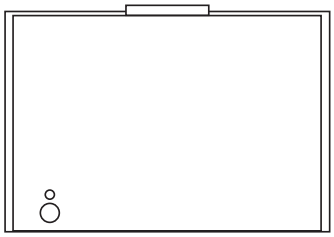
FRONT



RHS

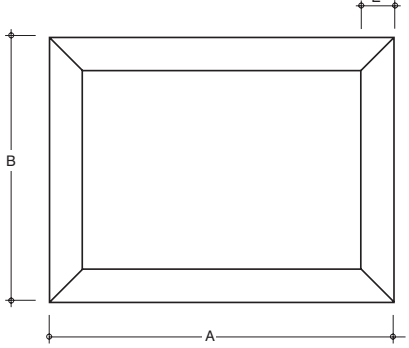


REAR

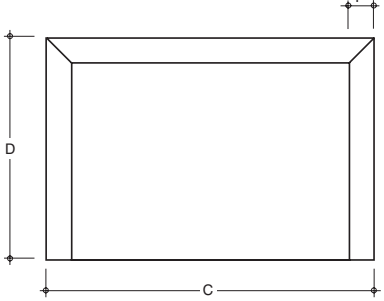


Heatseeker 850 ZC Trim

FRONT - 4 SIDED



FRONT - 3 SIDED



A	B	C	D	E	F
1040	800	990	670	100	75

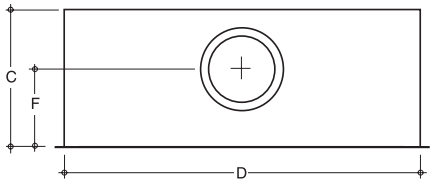
DIMENSIONS

Heatseeker 1000 ZC

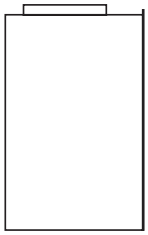
A	B	C	D	E	F	G	H
665	1130	415	1075	-	235	650	-

I	J	K	L
380	150	65	60

PLAN

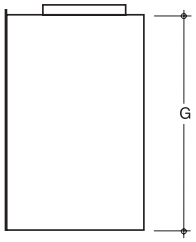


LHS

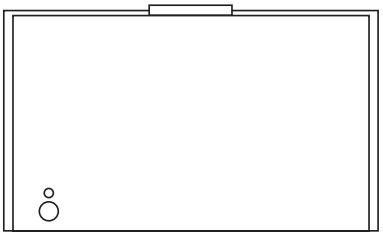


FRONT

RHS

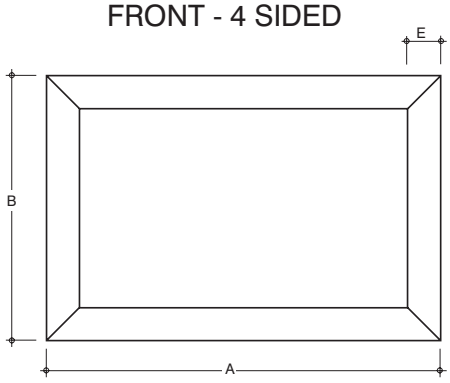


REAR

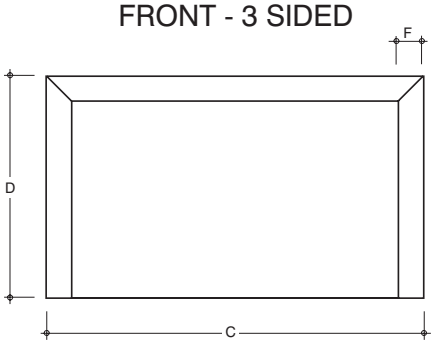


Heatseeker 1000 ZC Trim

FRONT - 4 SIDED



FRONT - 3 SIDED



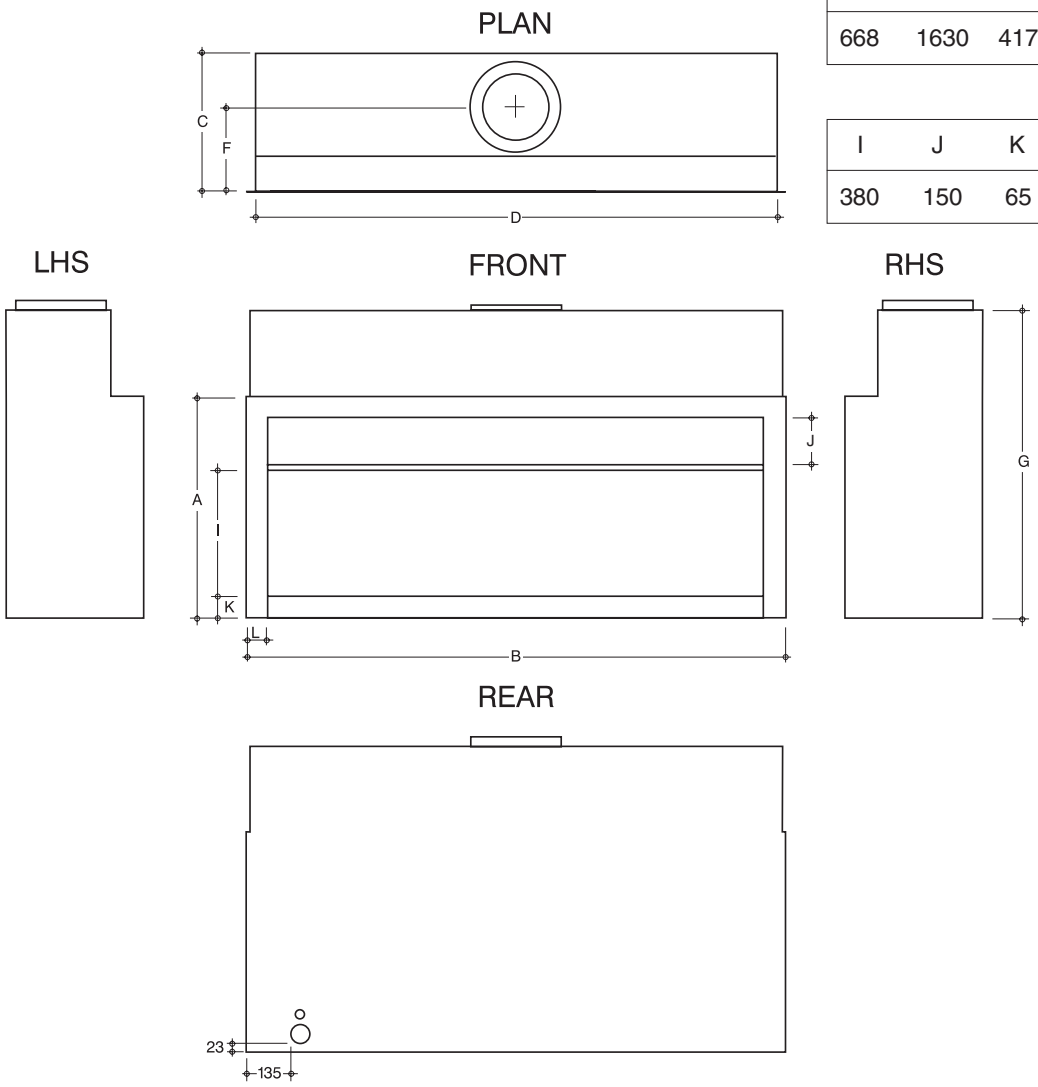
A	B	C	D	E	F
1190	800	1140	670	100	75

DIMENSIONS

Heatseeker 1500 ZC

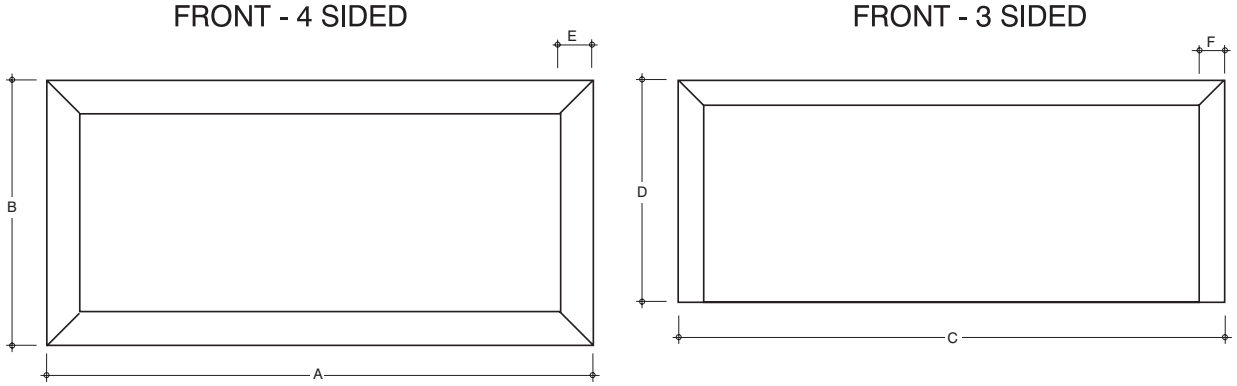
A	B	C	D	E	F	G	H
668	1630	417	1595	-	250	930	-

I	J	K	L
380	150	65	65



Heatseeker 1500 ZC Trim

A	B	C	D	E	F
1650	800	1650	670	100	75



HEATSEEKER INBUILT MODEL

Heatseeker Inbuilt Installation Procedure

TICK BOXES

- ☐ Check chimney for correct venting of fumes
- ☐ Position unit centrally
- ☐ Connect to gas supply using 15mm copper union
- ☐ Connect to power supply
- ☐ Assemble log and coal or pebble set as shown (Figures 1-7).

IMPORTANT! Only logs, coals and pebbles supplied by Real Flame are to be used.

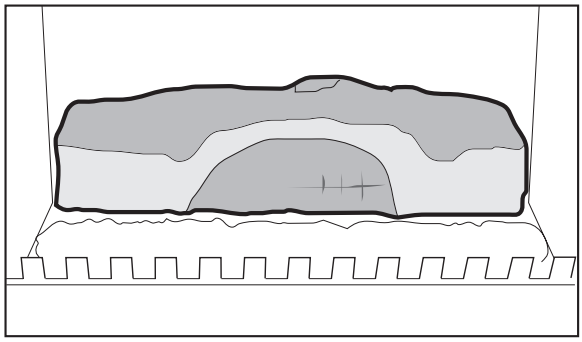


Figure (1) Remove box containing logset, and unpack. Place the large log at the rear of the burner just in front of the 2 square tabs on the log support panel.

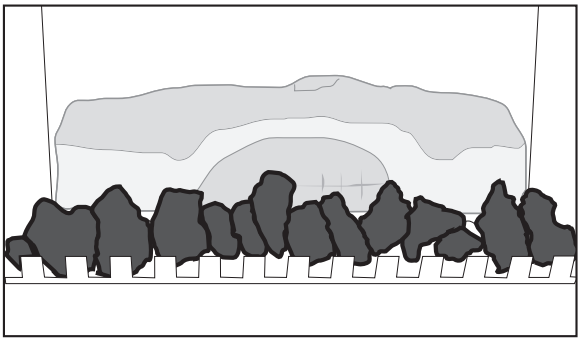


Figure (2) Place the 14 large coals and 8 small coals on top of the white ceramic blanket. Ensure front row of coals are placed 10 - 12mm away from the front grille.

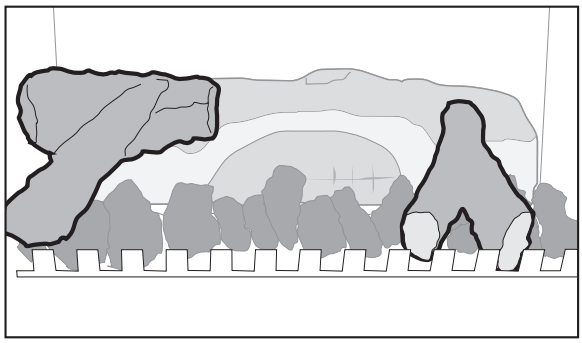


Figure (3) Place the 2 'Y' shaped logs as shown, the larger on the left. Position the 'Y' end of the logs towards the front of the heater.

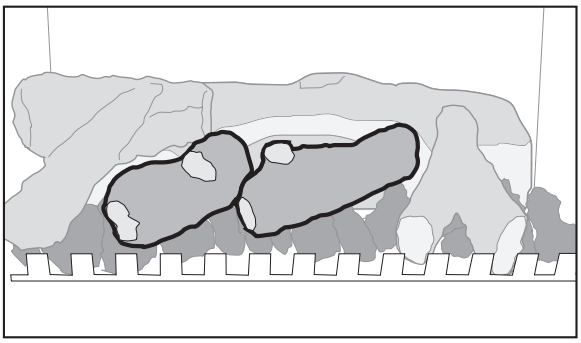


Figure (4) Place the 2 straight logs as shown

HEATSEEKER INBUILT MODEL

Heatseeker Inbuilt Installation Procedure (continued)

The Heatseeker Gas Firebox (Natural Gas Only) is approved for use with Pebbles.
To install the Pebbles, follow the installation instructions as per Figures 5-7. Note: A Real Flame Pebble Tray needs to be ordered for this option.

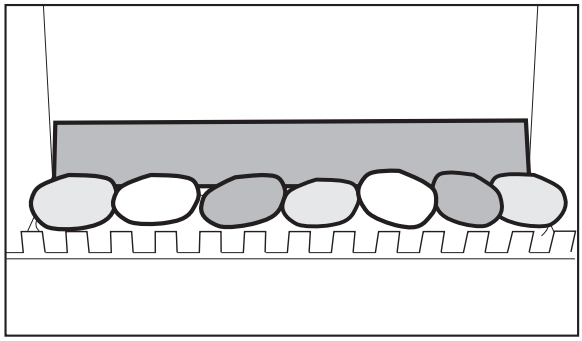


Figure (5) Install the metal angle at the rear of the fireplace and place one row of pebbles behind the burner rail.

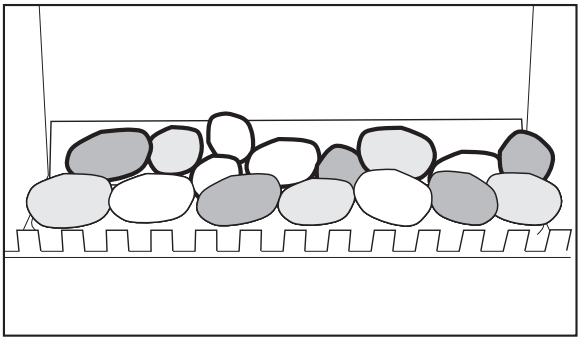


Figure (6) Place pebbles between the first row and the angled tray.

Note: Keep pebbles clear of burner rail.

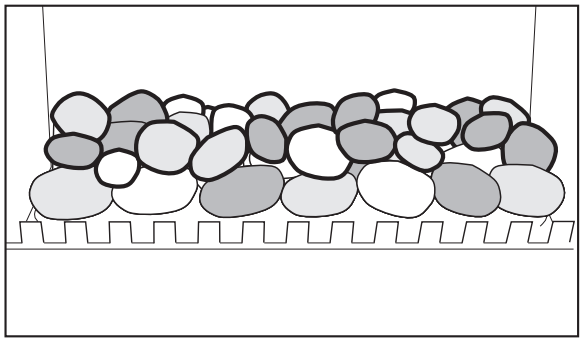


Figure (7) Place remaining pebbles up the angle of the rear tray so as the tray is hidden.

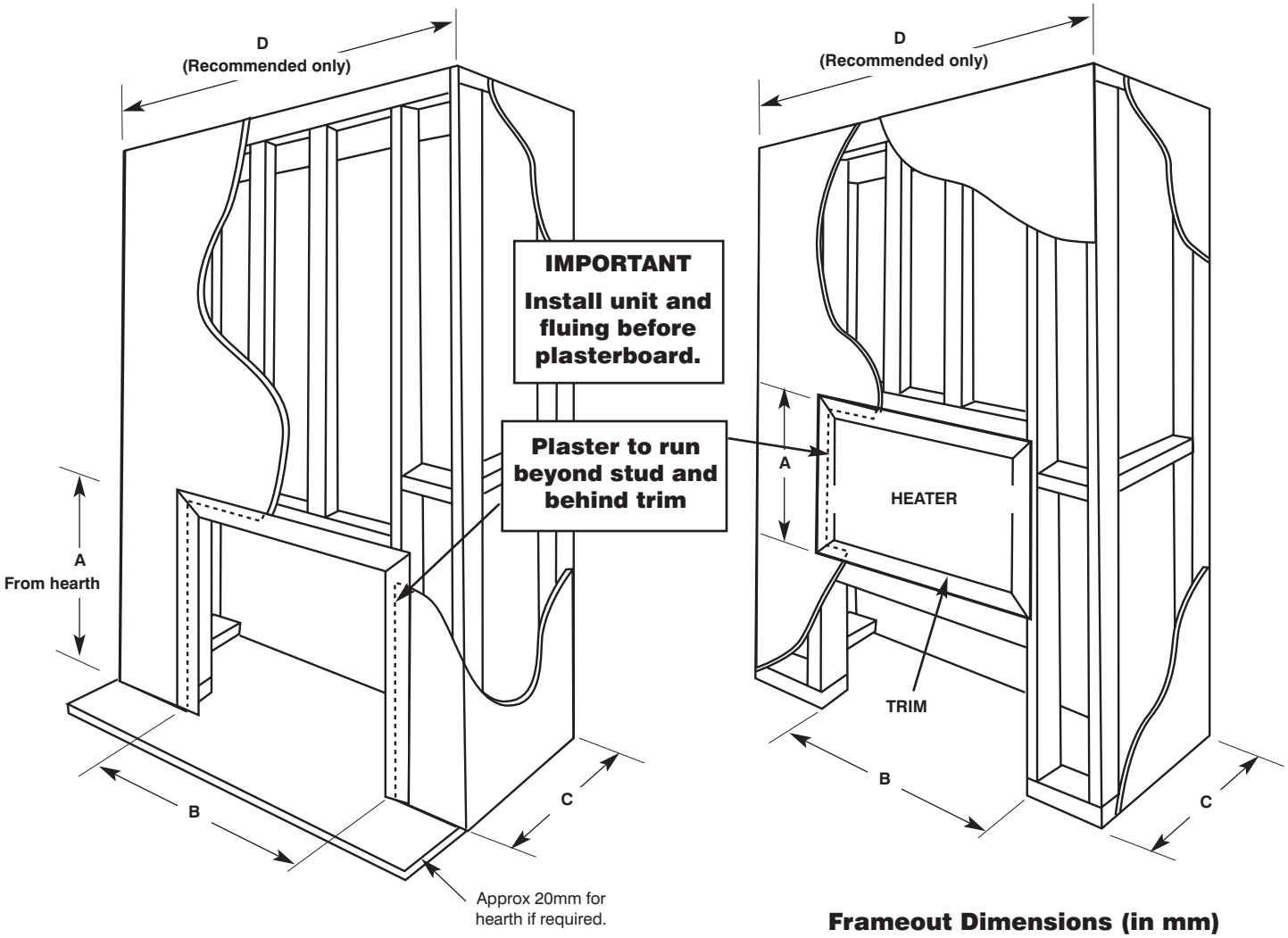
Note: If a coals only configuration is being used, use the same set up as pebbles.

TICK BOXES

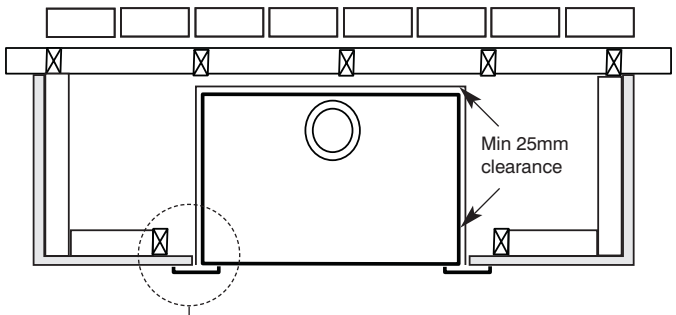
- ☐ Fit the trim to the front of the firebox.
- ☐ Light the unit following the procedure on page 21.
- ☐ Install the 225mm AGA approved gas cowl where using the chimney to vent the fumes.
- ☐ Test the unit for safe operation and show customer correct operating procedures.
- ☐ Test for spillage.
- ☐ Perform pressure test.

HEATSEEKER ZERO CLEARANCE MODEL

Heatseeker Zero Clearance Timber Frame Installation



NOTE: If fire is to be installed off the floor with a 4 sided trim, use the same A, B, C and D dimensions as shown with framework included below fire to required height. Ensure frame is suitable for fire weight.



NOTE

Plasterboard to run beyond stud as shown, and to go behind fixing flange on unit.

Frameout Dimensions (in mm)

MODEL	A	B	C	D
600	750	750	450	2100
700	750	850	450	2100
850	750	1000	450	2100
1000	750	1150	450	2100
1500	1030	1680	450	2100

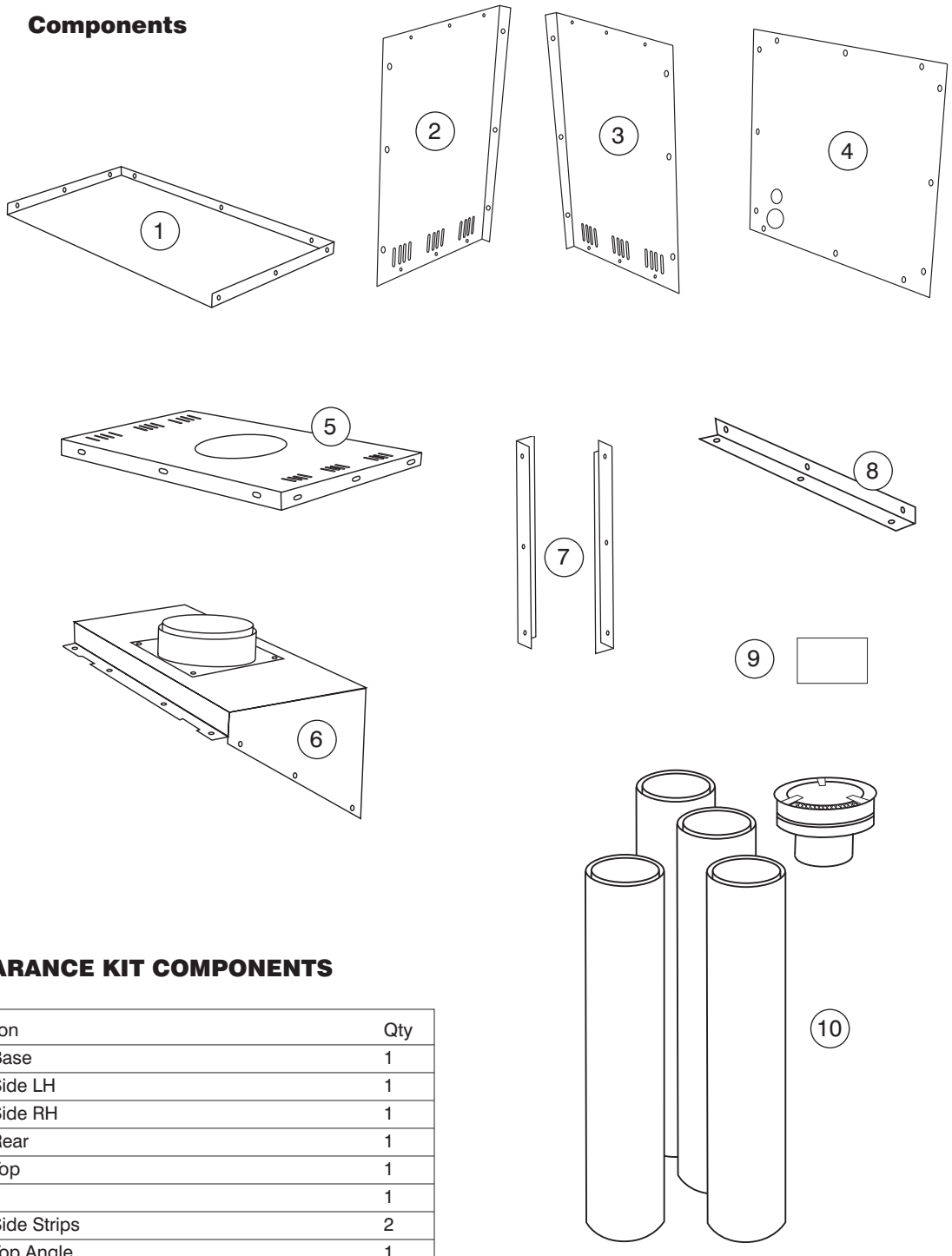
CLEARANCES FROM COMBUSTIBLES

Floor	0 mm
Sides	25 mm
Top	100 mm
Flue Outer	25 mm

HEATSEEKER ZERO CLEARANCE MODEL

1. Position the Heatseeker firebox in the selected installation position in the room.
2. You will require the Zero Clearance Kit to suit the Heatseeker model you are fitting. This should be fitted to the firebox as shown on page 19.

Components

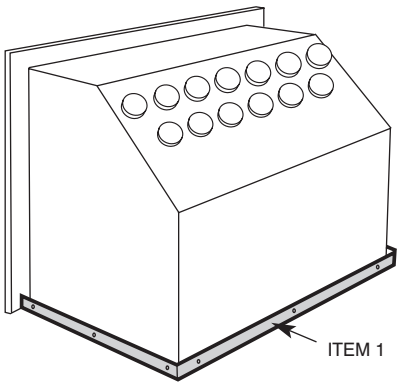


ZERO CLEARANCE KIT COMPONENTS

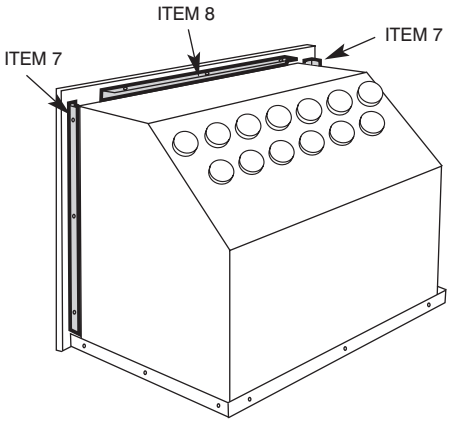
No.	Description	Qty
1	Panel – Base	1
2	Panel – Side LH	1
3	Panel – Side RH	1
4	Panel – Rear	1
5	Panel – Top	1
6	Gather	1
7	Panel – Side Strips	2
8	Panel – Top Angle	1
9	Pack of screws	1
10	3.6m Flue Kit & Cowl	1

HEATSEEKER ZERO CLEARANCE MODEL

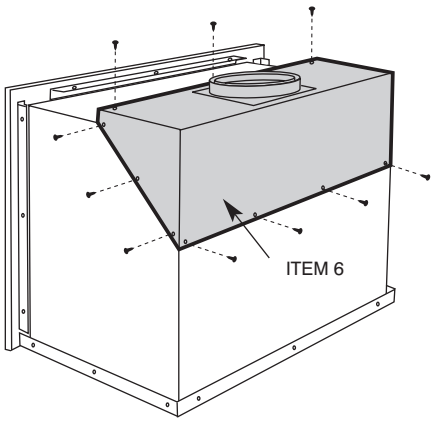
Fit Zero Clearance Kit to unit as shown below:



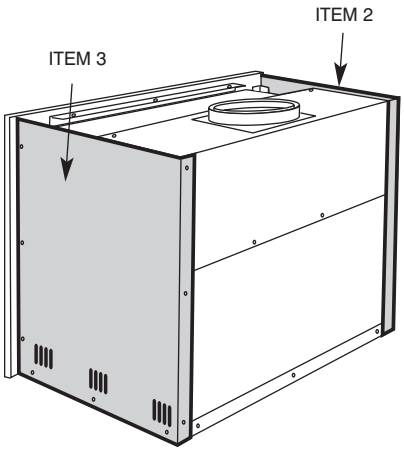
1. Place main fire box (Item 1) centrally on base panel and secure.



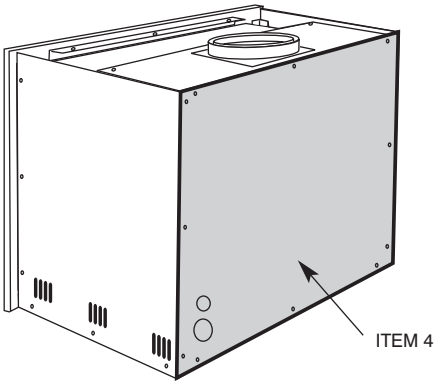
2. Secure side strips (Item 7) and top strip (Item 8) to main fire box.



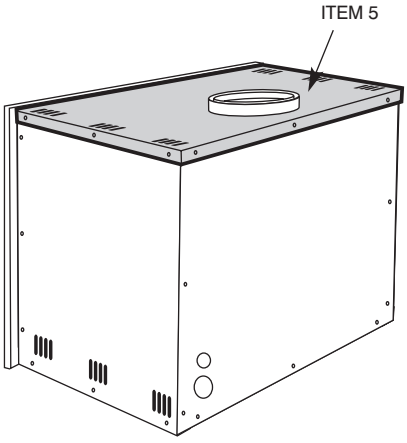
3. Secure gather (Item 6) to main fire box.



4. Secure LH and RH side panels (Items 2 & 3) to main fire box.



5. Secure rear panel (Item 4) to main fire box.



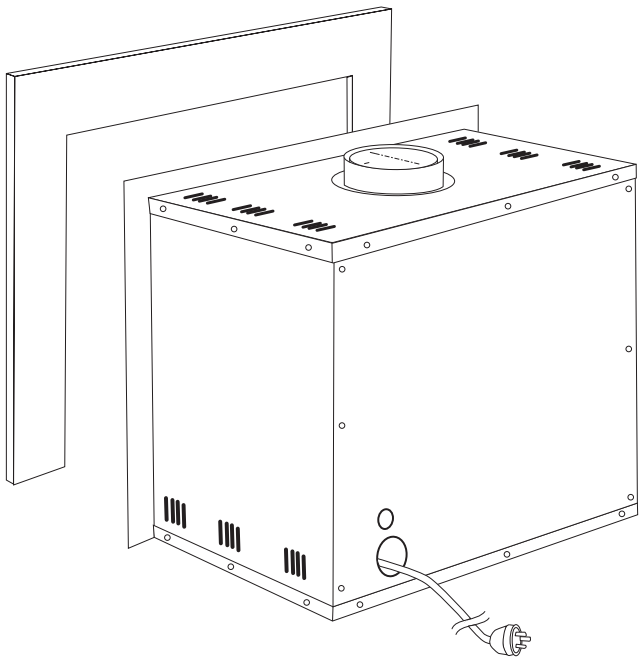
6. Secure top panel (Item 5)

HEATSEEKER ZERO CLEARANCE MODEL

Heatseeker Zero Clearance Installation Procedure

TICK BOXES

- ☐ Connect to gas supply
- ☐ Connect to power supply
- ☐ Install flue to 600mm minimum above roof line. (Min. total flue run 3.6m)
- ☐ Plaster to unit with trim removed
- ☐ Install trim
- ☐ Assemble unit as per page 19
- ☐ Test the unit for safe operation and show customer correct operating procedures.



Flue Size

MODEL	Inner	Outer
600	150mm Gal	200mm Gal
700	150mm Gal	200mm Gal
850	200mm Gal	250mm Gal
1000	200mm Gal	250mm Gal
1500	225mm Gal	275mm Gal

LIGHTING PILOT AND MAIN BURNER

Before lighting the pilot make sure that the gas line is connected.

FOR YOUR SAFETY READ BEFORE LIGHTING

- **The appliance has a pilot which must be lit using the piezo ignition, when lighting the pilot follow the instructions exactly.**
- **Before lighting the appliance check for gas leaks.**
- **Use only your hand to push in and turn the gas control knob, never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempt to repair may result in a fire or explosion.**
- **If the controls have been underwater, immediately call a qualified service technician to inspect the appliance and replace any part of the control system and fan that has been immersed in water.**

LIGHTING INSTRUCTIONS

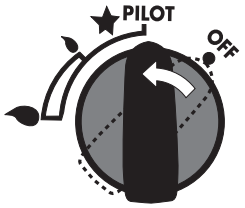


Figure 1

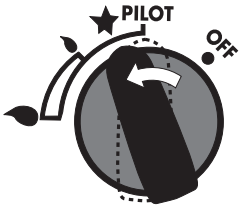


Figure 2

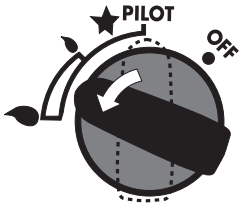


Figure 3

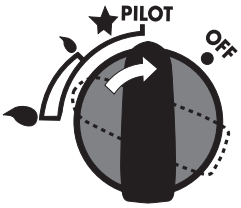


Figure 4

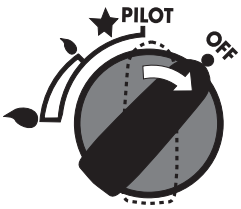


Figure 5

1. To light the pilot, press in and turn the gas control knob anticlockwise to the pilot position.
2. Keep knob depressed and turn the knob anticlockwise toward the ★ until you hear a click. If the pilot lights, continue to depress knob for 20 seconds and release. If pilot goes out repeat the procedure.
3. To light the burner, turn the control knob to the flame setting. The burner can be set anywhere between low and high flame.
4. To turn the burner off, turn the control knob clockwise to the "PILOT" position. This will leave the pilot burning.
5. To turn off the burner and the pilot, turn the knob clockwise to the "OFF" position.

If you are unable to get the appliance to operate correctly, contact either your sales agent or the manufacturer (see contact details on back cover).

Test operation of appliance and fully instruct user before leaving.

Note: Check gas pressure. Refer to Data Plate on page 5 for details.

TO TURN OFF GAS TO APPLIANCE

Push in gas control knob slightly and turn to the "OFF" position.

COMMISSIONING PROCEDURE

Once the fire is installed and operational the installer must check for spillage. Carry out the lighting procedure and turn the fire to high. Allow to warm up for 10 minutes and then using a smoke match set 25mm down and 25mm inside of the fire opening run the match across the width of the opening to check that all of the smoke is drawn away.

Repeat the test with doors and windows to the premises open and closed, and with any extractor fans in the same room or adjacent rooms running on high. The fire should continue to clear its combustion products. Also operate any other flued appliances in the same or neighbouring rooms and ensure they continue to function satisfactorily as multiple flues can work against one another.

If spillage is detected during this procedure it could indicate a faulty flue or lack of ventilation. If the problem cannot be rectified immediately, disconnect the appliance, and advise the customer not to use the appliance until the problem has been resolved.

The customer should always be advised of the need for regular servicing and checks to ensure the continued clearance of combustion waste products.

NOTE: Care must be taken to ensure that any return air register exhaust system does not adversely affect the operation of the appliance or draught of chimney or flue.

WARNING

“DO NOT place articles on or against this appliance.“

“DO NOT use or store flammable materials near this appliance.”

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

OPTIONAL POWER FLUE

THE INSTALLATION MANUAL OF THE REAL FLAME POWER FLUE SYSTEM IS TO BE READ IN CONJUNCTION WITH THE INSTALLATION MANUAL OF THE REAL FLAME PRODUCT BEING USED. THE DESIGN OF THE REAL FLAME POWER FLUE SYSTEM IS SUBJECT TO COPYRIGHT AND ALL INFRINGEMENTS WILL BE VIGOROUSLY PURSUED.

Introduction - the Power Flue System

POWER FLUE DESIGN

A 'flue' using a fan to remove or assist in removing combustion products from an appliance, is known as a 'power flue'.

POWER FLUE APPLICATION

A power flue application can be used to enable a client to have a decorative fire with a horizontal flue run or a vertical flue run where flue space is inadequate for the normal flue.

Installation Instructions

VENTILATION REQUIREMENTS

Air supply to the unit is to be in accordance with ventilation Clause 5.4 of the Gas Code 601. Ventilation requirements do not change by using a power flue.

All Real Flame installation manuals have the ventilation areas clearly defined for each product.

ACCESS TO POWER FLUE MOTOR

Access must be provided to the flue motor, this access MUST be at least 400mm x 400mm. There MUST be a minimum clearance of 250mm between the top of the motor and any fixed object i.e. ceiling or stud work. This is so the top of the fan box can be removed.

WIRING OF THE POWER FLUE

All wiring for the power flue is carried out at the factory and plug connectors are fitted for easy installation. The power supply for the power flue is via a 3-pin plug at the rear of the firebox that can be plugged into a power socket within the cavity.

ISOLATION SWITCH

If the power point is within a cavity an isolation switch accessible from outside the cavity must be provided.

WIRING CLEARANCES

Wiring must at all times have a clearance of at least 150mm from the flue.

FAN FAILURE SENSING DEVICE

All Real Flame Power Flue systems are fitted with a sensing device within the unit to ensure that, in the event of flow failure, the safety shut off valve within the module will go into lockout and shut off the gas supply to the unit.

'LOCKOUT'

'Lockout' is the term used when the module in the unit senses a fault. When a fault is detected by the module it will shut off the gas and go into lockout. If this occurs contact the manufacturer.

OPTIONAL POWER FLUE (continued)

Installation Instructions (continued)

LOCATION OF FLUE TERMINAL FOR POWER FLUE

Listed below are the minimum clearances required for fan-assisted terminations:

1. Below eaves, balconies and other projections. 200mm
2. From the ground, above a balcony or other surface. 300mm
3. From a return wall or external corner.....300mm
4. From a Gas meter. 1000mm
5. From an electricity meter or fuse box.....500mm
6. From a drainpipe or soil pipe. 75mm
7. Horizontally from any building structure or obstruction facing a terminal.....500mm
8. From any other flue terminal. Cowl, or combustion air intake. 300mm
9. Horizontally from any openable window, door, non-mechanical air inlet, or any other opening into a building with the exception of sub floor ventilation.....300mm
10. From a mechanical air inlet including a spa blower.....1000mm
11. Vertically below an openable window, non-mechanical air inlet, or any other opening into a building with the exception sub floor ventilation. 500mm

ELECTRICAL

SHOULD THE SUPPLY FLEX AT THE BACK OF THE FIREBOX BE DAMAGED, A SPECIALLY PREPARED FLEX IS REQUIRED. FOR REPLACEMENT CONTACT THE MANUFACTURER.

THE ON/OFF WALL SWITCH MUST NEVER BE ATTACHED TO A METAL FRAME.

WARNING

Whenever servicing the power flue system, always turn off the electrical power supply and close the manual gas control valve.

IMPORTANT INFORMATION

In addition to the instructions in this manual all national, state and local regulations must be adhered to. These include but are not limited to:

- Australian Standards AS3000 - Electrical Installation.
- Australian Standards AS5601-2004 - Gas Installation.
- Local Gas and Electrical Authority Regulations.
- Municipal Building Codes.

The power flue should be serviced every 12 months by an authorised technician. If repairs are needed an authorised technician must carry them out.

FITTING THE MOTOR

The power flue motor has a 150mm spigot and a twin spigot of 150mm & 200mm. The single spigot fits over the vertical flue and the 150mm/200mm flue attaches to the horizontal spigot.

FLUE SIZE

All flue prior to the motor is 150mm/200mm twin skin and all flue after the motor is 150mm/200mm twin skin.

OPTIONAL POWER FLUE (continued)

Installation Instructions (continued)

HORIZONTAL FLUE RUN

The maximum length of horizontal flue run is to be 13.5 metres with a maximum of four (4) bends; these bends can be 45° or 90°. **The horizontal flue run is to have a grade downwards from the motor to the termination.**

VERTICAL FLUE RUN

The minimum vertical flue run is 900mm from the top of the firebox (1500mm from the floor). If a longer vertical run is required twin skin flue 150mm & 200mm can be added between the muffler top and the fan. The flue can be cut to the required height.

FLUE CLEARANCES

All flue clearances are as per the requirements listed in the heater specifications.

TERMINATION

The termination to be used for all horizontal installations is to be 100mm cowl that has been approved as a horizontal cowl.

Installation of Power Flue Kit

POWER FLUE MUFFLER

The power flue muffler has a spigot at each end. The end that attaches to the firebox has a spigot equivalent to the inner flue spigot diameter of the firebox, the top of the muffler has a 150mm spigot which the motor fits to, or the 150/200 twin skin flue if required. The flow arrow on the muffler is to be pointing up.

WIRING (see wiring diagram page 30)

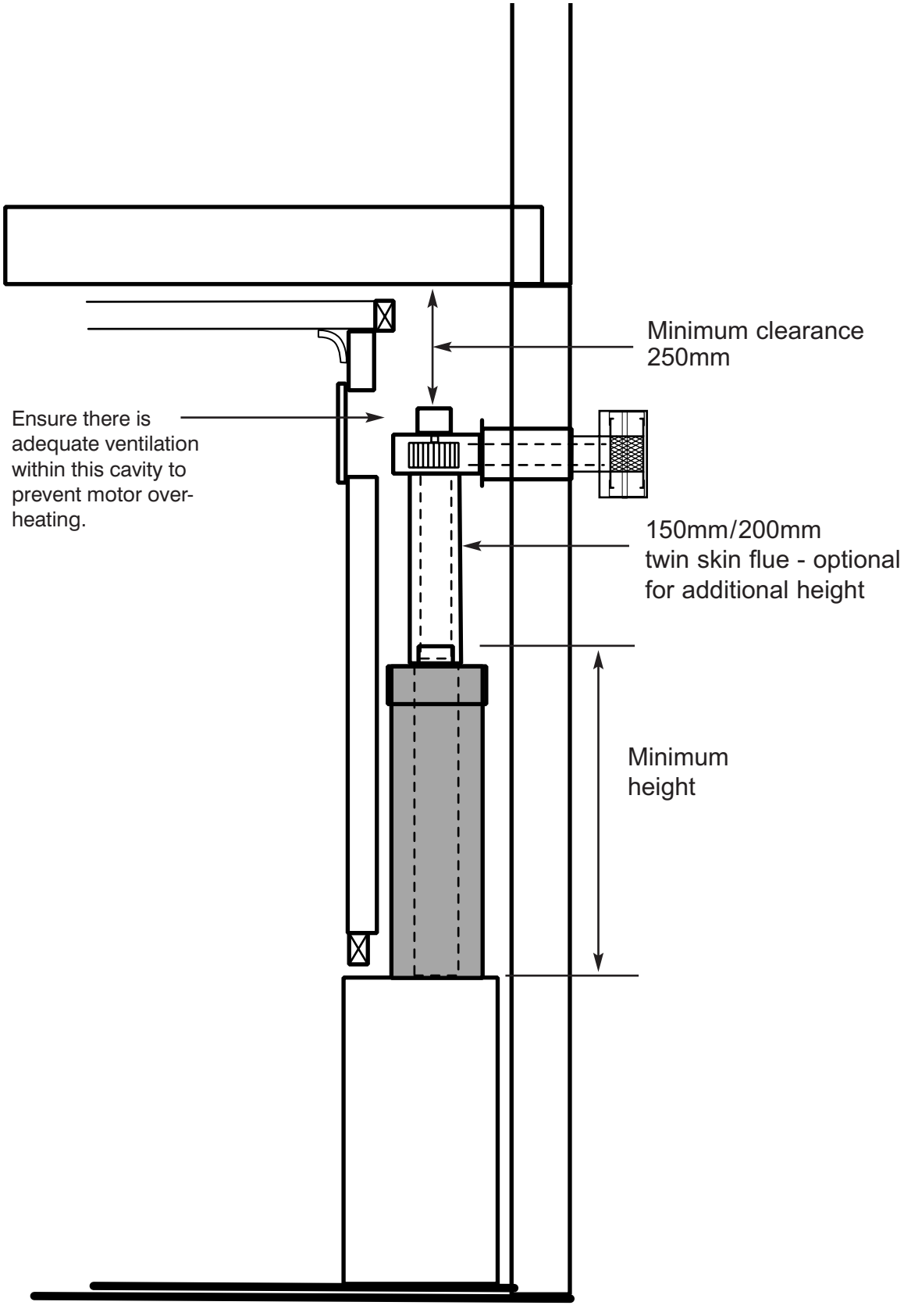
A 3 metre lead is supplied with the power flue, this lead has a different connection on each end, one end is plugged into the connection on the left hand side of the firebox and the other end is to be plugged into the fan. The wire coming from the rear of the firebox with the standard 3-pin plug attached is to be plugged into a power point. A single gang wall switch is also supplied attached to the 3 metres of lead; this wall switch is to be attached at a location accessible to the client. No other wiring is required.

SERVICING OF THE POWER FLUE MOTOR

The Real Flame Power Flue motor is designed so as to make servicing the motor a simple task. The power lead connected to the motor is to be disconnected (unplugged) and the two side clips are to be undone, the fan motor will then lift out for servicing. The fan Motor box connected to the flue does not have to be disconnected from the flue.

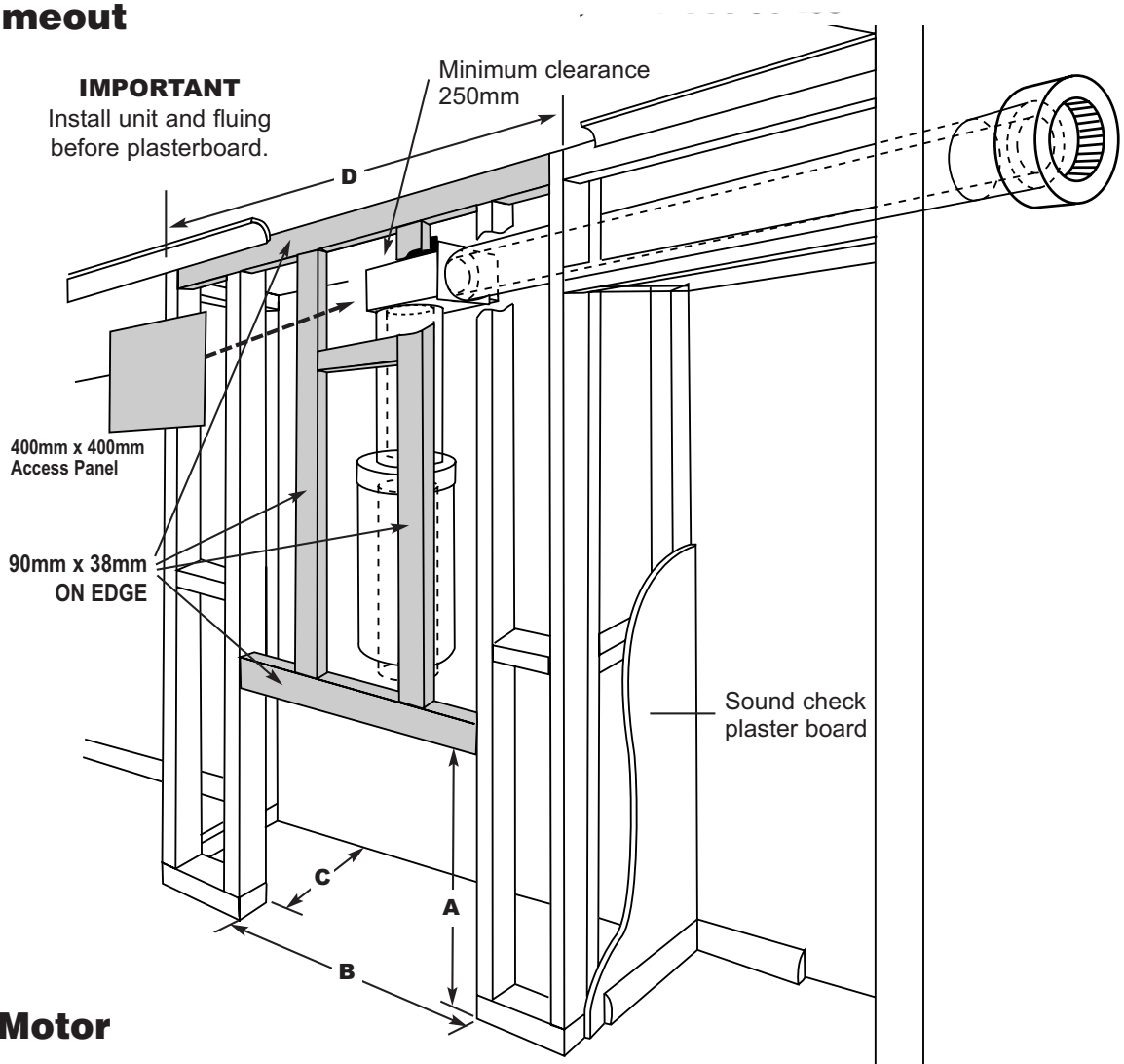
OPTIONAL POWER FLUE (continued)

Motor Clearance

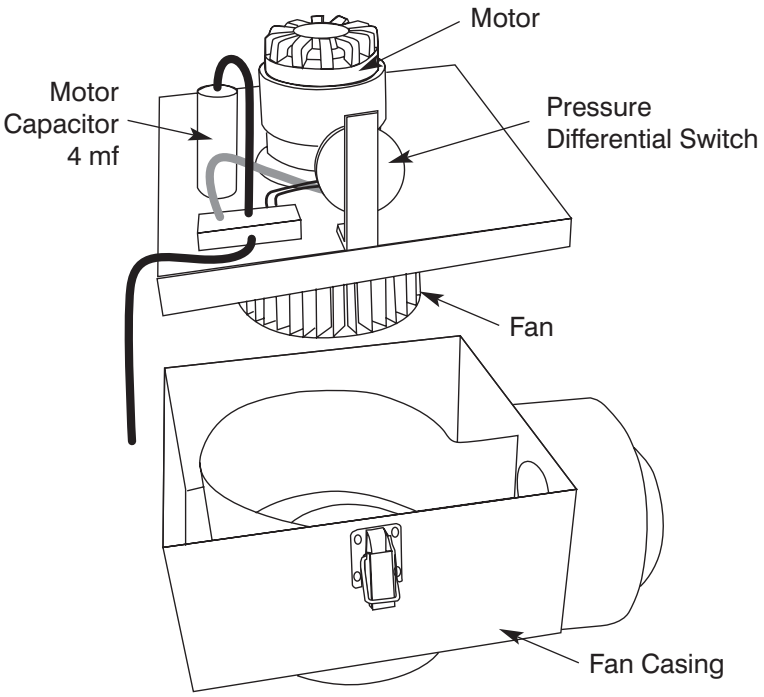


OPTIONAL POWER FLUE (continued)

Frameout

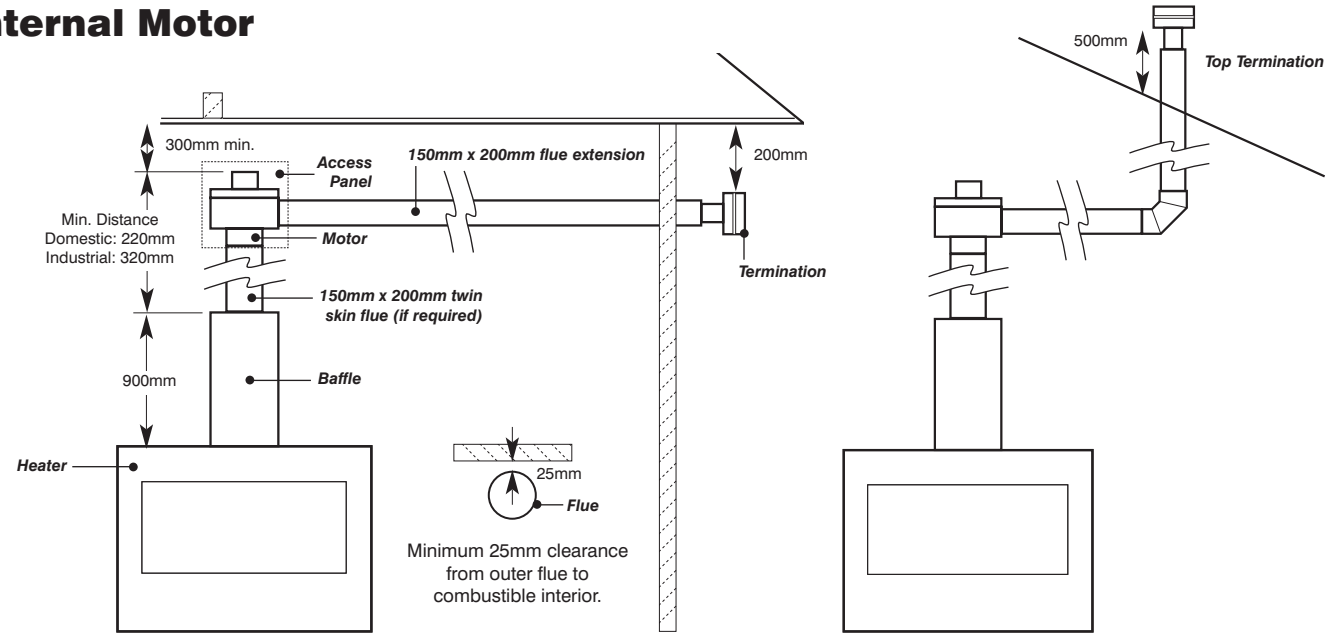


Motor



OPTIONAL POWER FLUE (continued)

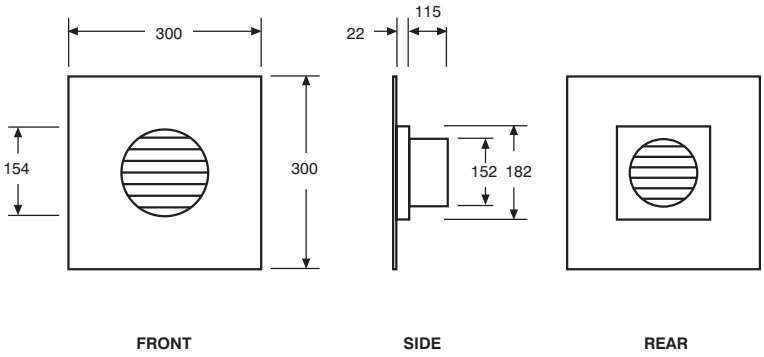
Internal Motor



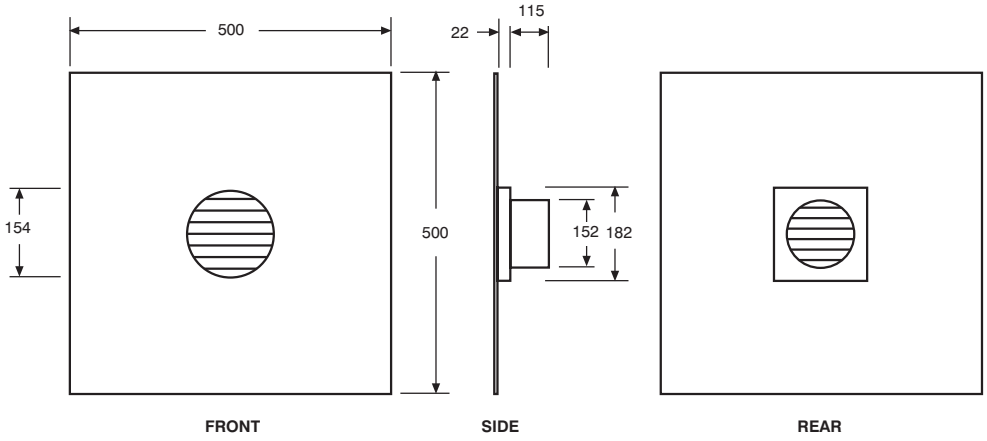
NOTE:

1. Maximum of 4 elbows, 45° or 90°.
2. Allow 400mm x 400mm access panel for service of motor.

Flush Cowl Terminations 300x300

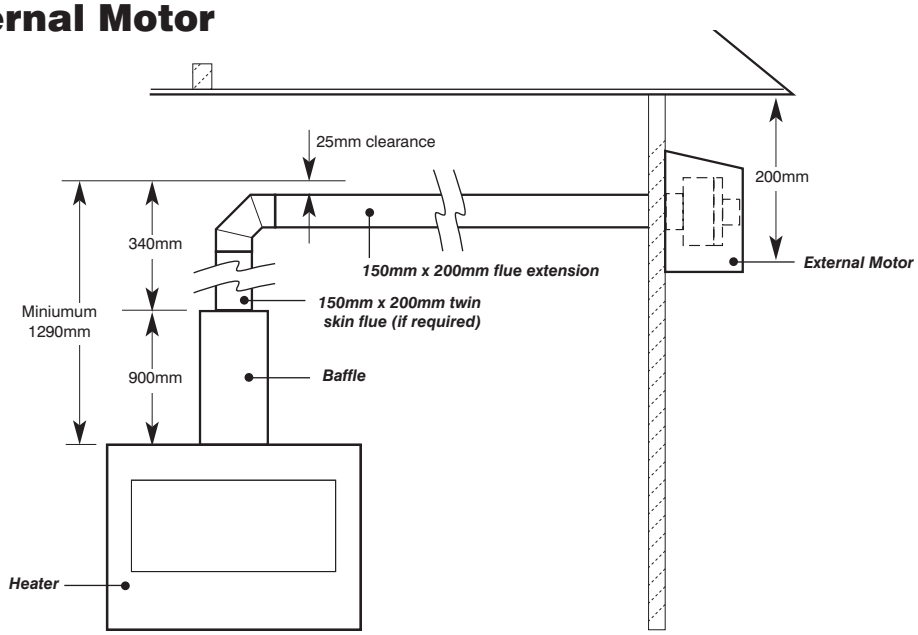


Flush Cowl Terminations 500x500



OPTIONAL POWER FLUE (continued)

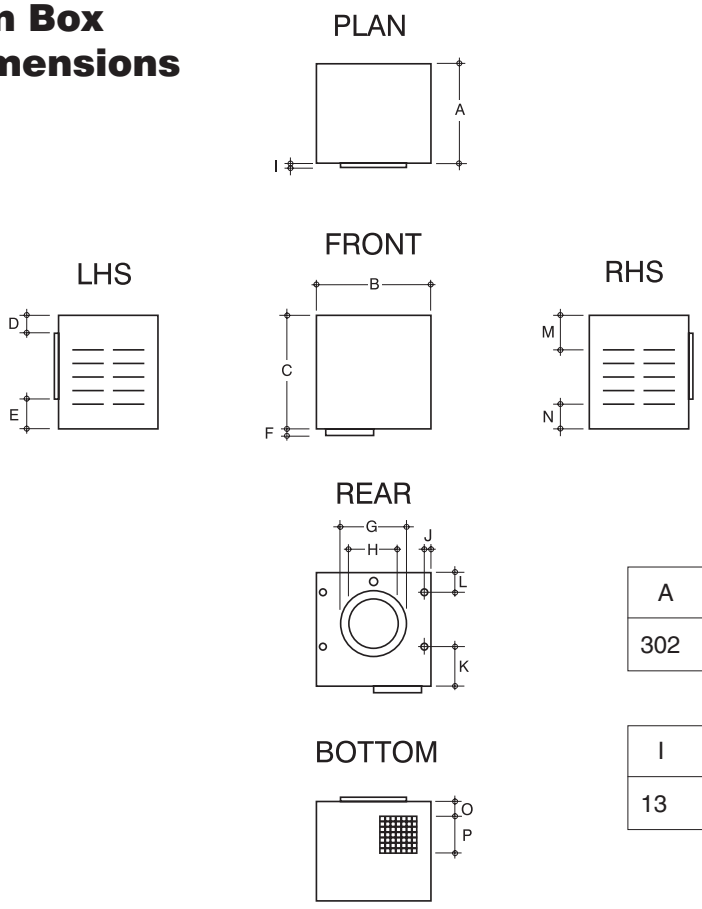
External Motor



NOTE:

1. Maximum of 4 elbows, 45° or 90°.

Fan Box Dimensions



A	B	C	D	E	F	G	H
302	348	345	55	90	20	200	150

I	J	K	L	M	N	O	P
13	20	120	60	105	75	45	112

TROUBLE SHOOTING FOR ELECTRONIC IGNITION AND POWER FLUE SYSTEM.

Symptom	Possible Cause	Corrective Action
Fire turned on and nothing happens	No Power to Module	Connect Power
Fire turned on and motor starts but there is no spark	Pressure switch not operating	Check pressure switch
Fire sparks when turned on but will not ignite	A. No Gas	Connect Gas.
	B. Sparker is to far from metal	Adjust sparker so it cross lights to metal.
	C. Pressure switch (Power Flue) is not operating correctly.	Remove fan from housing and check that small tube supplying air to pressure switch has not moved or been damaged.
	C. Valve solenoids are faulty	Check solenoids
	D. Solenoid wires to module not connected correctly	Check that the four pin plug from the valve has been connected correctly
Fire ignites and then shuts down within a couple of seconds	A. Something is touching the heat sensor	Ensure that nothing is touching the sensor which is located behind the cover plate at front of burner.
	B. The power polarity is reversed	Check polarity
Fire ignites and shuts down after several minutes	A. Insufficient air for burner to operate correctly	Check that the unit has correct ventilation as per Installation manual.
	B. Pressure switch not operating correctly	Check air supply tube to pressure switch.

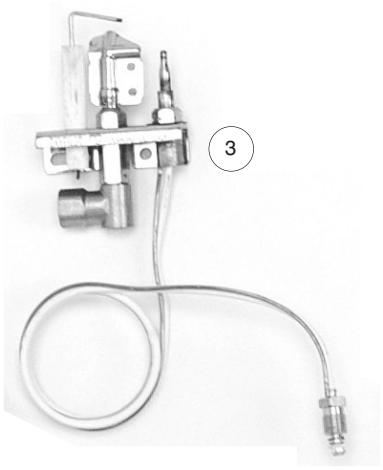
TROUBLE SHOOTING FOR ELECTRONIC IGNITION AND POWER FLUE SYSTEM. (continued)

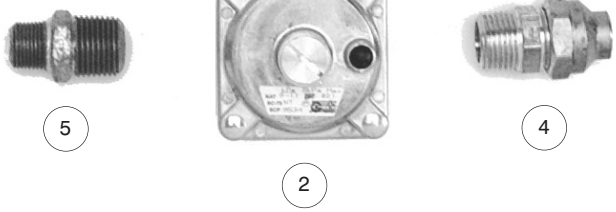
The power flue and electronic control box have a red LED light that indicates the possible cause of a problem, the LED light will flash in different sequences for different problems, the most common are:-

Long Flash	Short Flash	
1	0	Normal Running State.
1	1	Flame Failure.
1	2	Waiting for pressure switch ON
1	3	Waiting for pressure switch OFF
2	1	Maximum retries exceeded

PARTS LIST

PART No.	DESCRIPTION	PART No.	
01	BM 733 Control Valve	05	1/2″ to 3/8″ Hex Nipple
02	Regulator SC-75	06	5/16″ 90O Union Elbow
03N	S.I.T. ODS Pilot Assembly (Natural Gas)	07	1/4″ Nut and Olive
03P	S.I.T. ODS Pilot Assembly (Propane Gas)	08	Injector Holder Stem
04	1/2″ Male to 1/2″ Copper Union	09	Injector

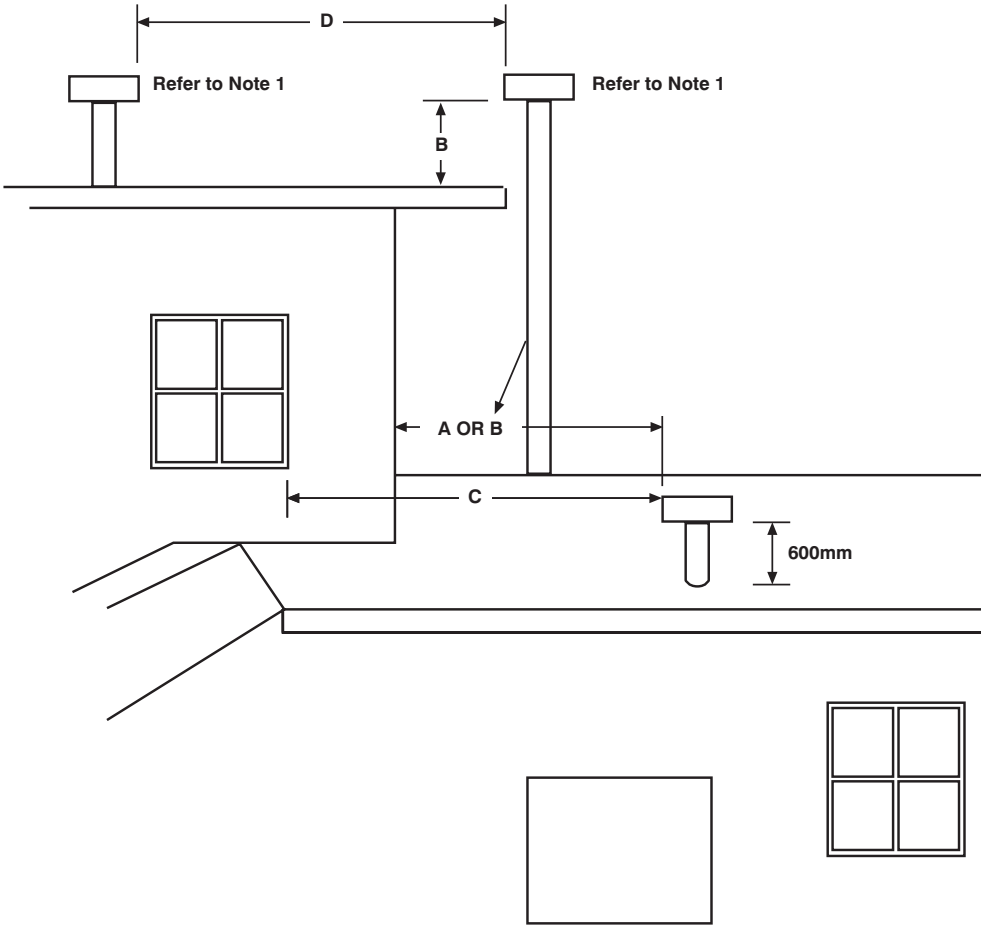




LOG AND COAL SETS

HEATSEEKER FLUE TERMINATION (COWLS) REGULATIONS

Natural Draught

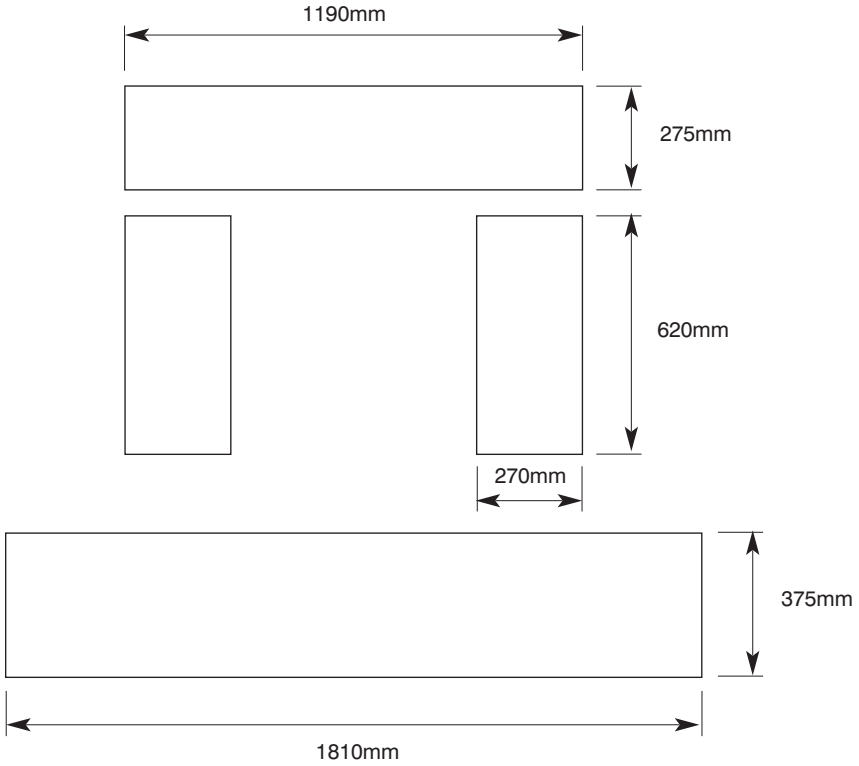


AREA		CLEARANCE REQUIRED
A:	Horizontally from a neighboring structure.	1000mm
B:	If less than a meter horizontally from a neighboring structure then terminates above that structure by.	500mm
C:	From any opening into a building.	1500mm
D:	From another flue terminal.	200mm

Notes:

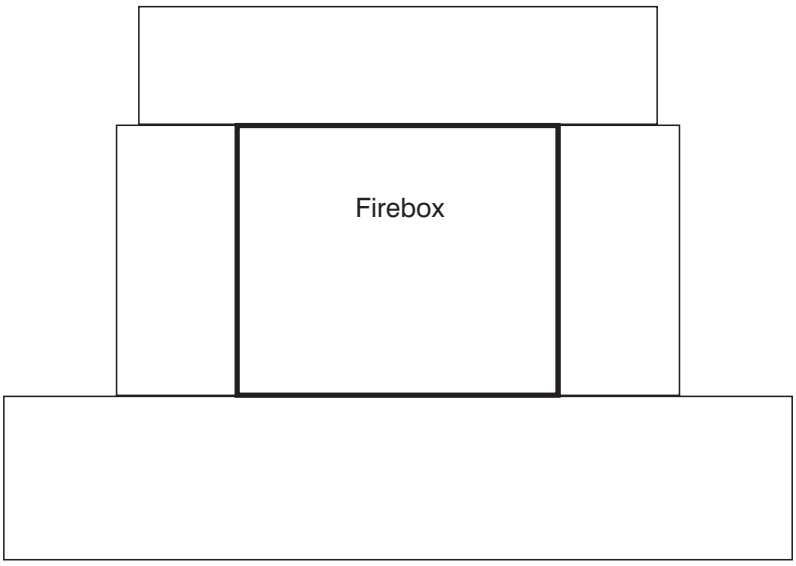
1. A trafficable roof designed for personal or public use, the end of the flue shall be at least 2 meters above the roof level. This dimension is to be increased where necessary so that the minimum distance of 500mm is maintained above any surrounding parapet or at least 200mm from the nearest part of a chimney.
2. The current version of the AG601 gas codes and any other relevant codes should be read in conjunction with the above guidelines to ensure a correct and safe installation.

OPTIONAL MARBLE HEARTH AND/OR MARGIN SET

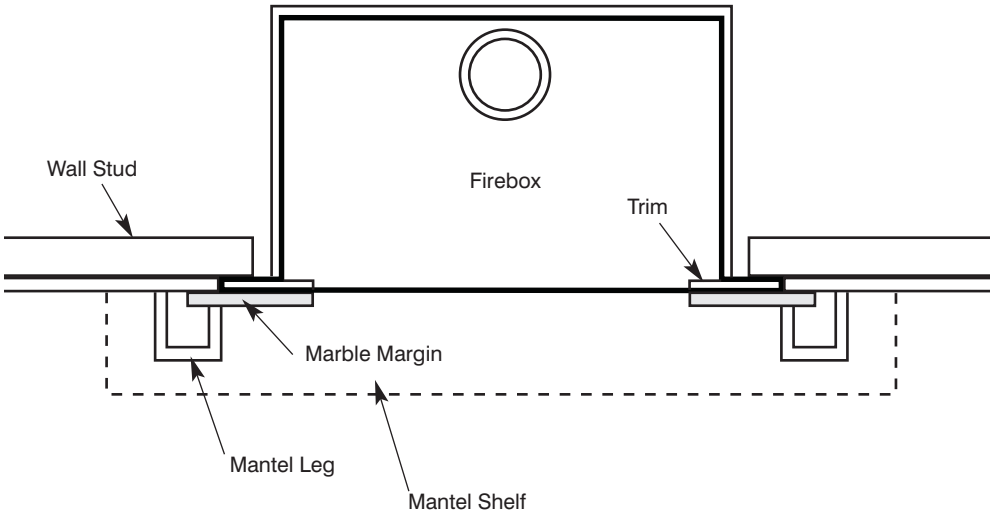


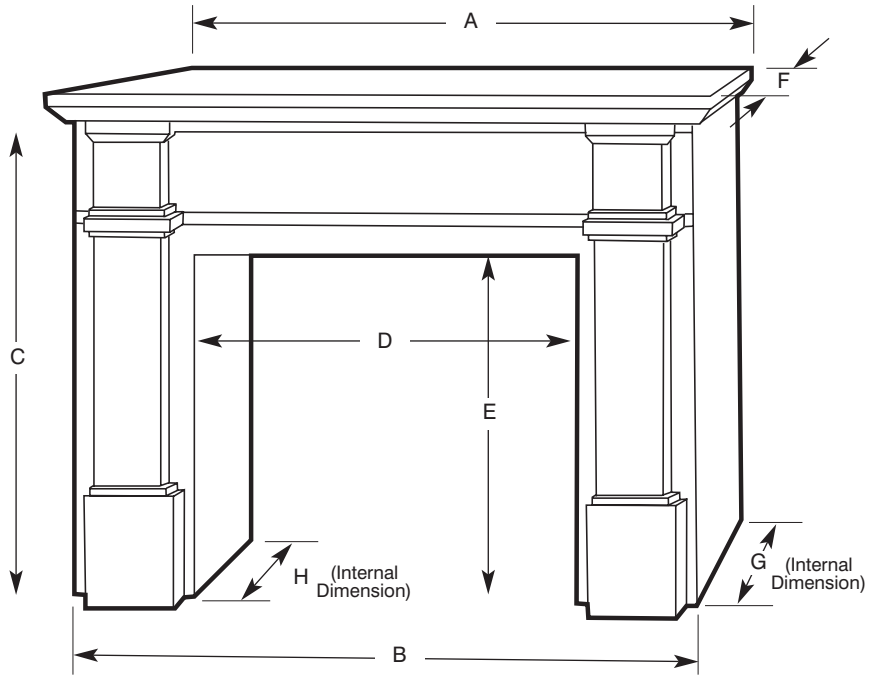
Marble Margin Set Installation Procedure

1. Install Heatseeker with trim in place.
2. Install marble over trim up to the fire opening. Use liquid nails to fix to wall. Marble should look like the diagram below once it has been installed and before mantelpiece has been attached.



OPTIONAL MANTELPIECE INSTALLATION



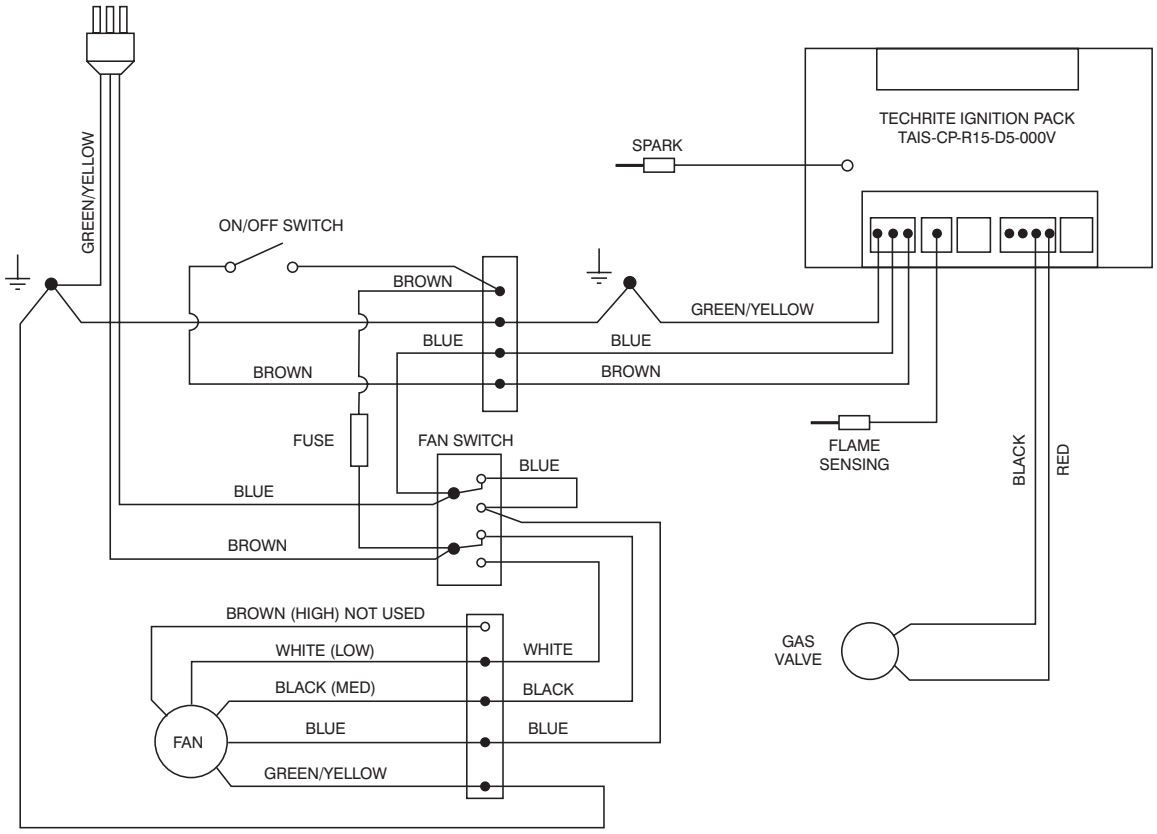


MANTELPIECE DIMENSIONS

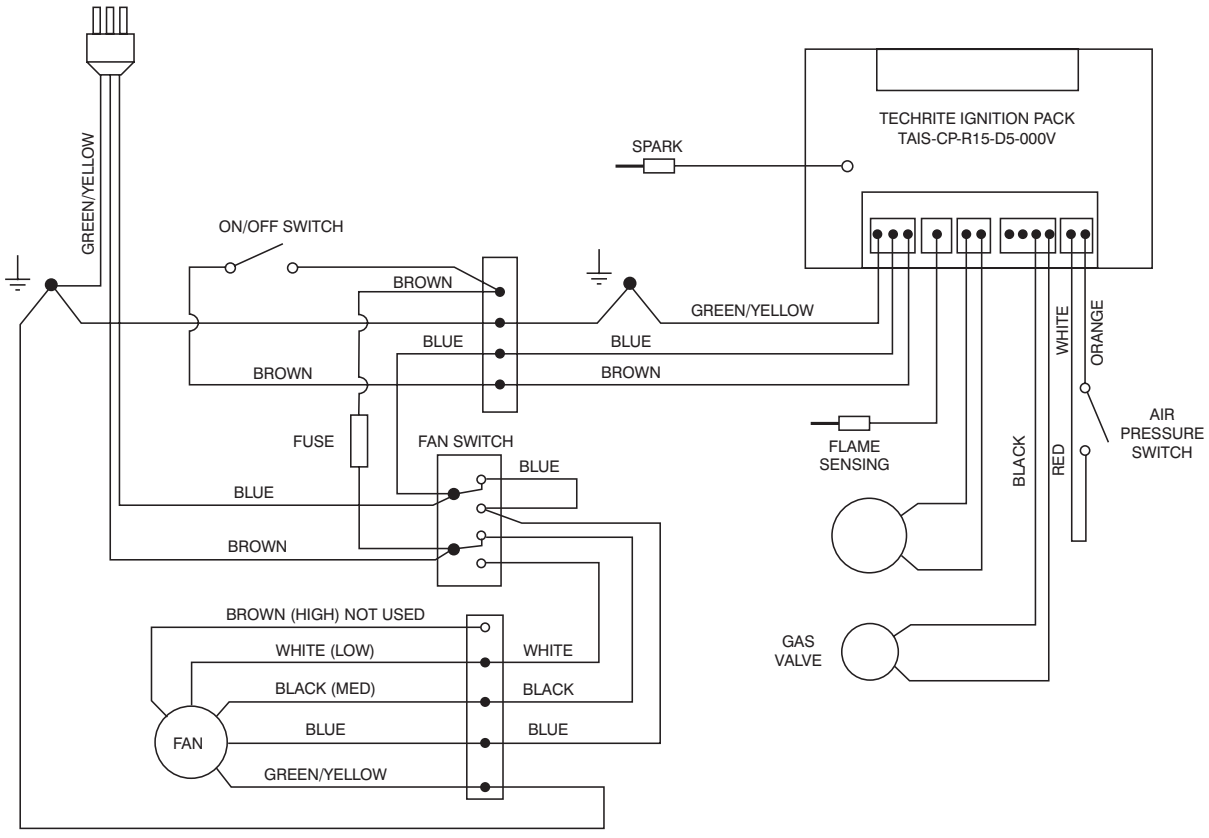
	A	B	C	D	E	F	G	H
Federation Square	1440	1340	1165	950	950	235	-	-
Adelaide Federation	1460	1300	1170	950	950	235	-	-
Windsor Universal	1810	1665	1180	1090	860	280	100	80
Bouvier Universal	1810	1665	1180	1090	860	280	100	80
Kensington Universal	1810	1665	1180	1090	860	280	100	80
Friedrich Universal	1810	1665	1180	1090	860	280	100	80

ELECTRICAL DIAGRAM

Electrical Ignition models



Powerflue models



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the hearth of australia

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