Aerion Range

INSTALLATION, OPERATING AND MAINTENANCE MANUAL

- G1410 GF
- G1410 GF2L
- G1410 GF2R
- GF1410 GF3
- G1410 RD
- G1410 T
- G1250 GF
- G1250 GF2L
- G1250 GF2R
- G1250 GF3
- G 800 GF
- G 800 T
- G 650 GF
- ALTO GF
- ALTO T

Version 4 17/11/22
Contents of manual may be updated without notice.
For the latest version of this manual please refer
to our website: www.livingfire.com.au

PAUL AGNEW | DESIGNS

DO NOT DISCARD
THIS MANUAL

⚠ ATTENTION:

Important Installation, User and Maintenance instructions included. Please read this manual before installing and using this space heater. Leave this manual with the owner. This space heater is approved for Natural Gas and Universal LPG usage.

TABLE OF CONTENTS

TABLE OF CONTENTS

TABLE OF CONTENTS

SAFETY WARNINGS

- **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.**
- **DO NOT MODIFY THIS APPLIANCE.**
- **DO NOT CONNECT AN LPG CYLINDER LOCATED INDOORS.**
- **NOT SUITABLE TO BE INSTALLED IN A MARINE ENVIRONMENT.**

IF YOU SMELL GAS:

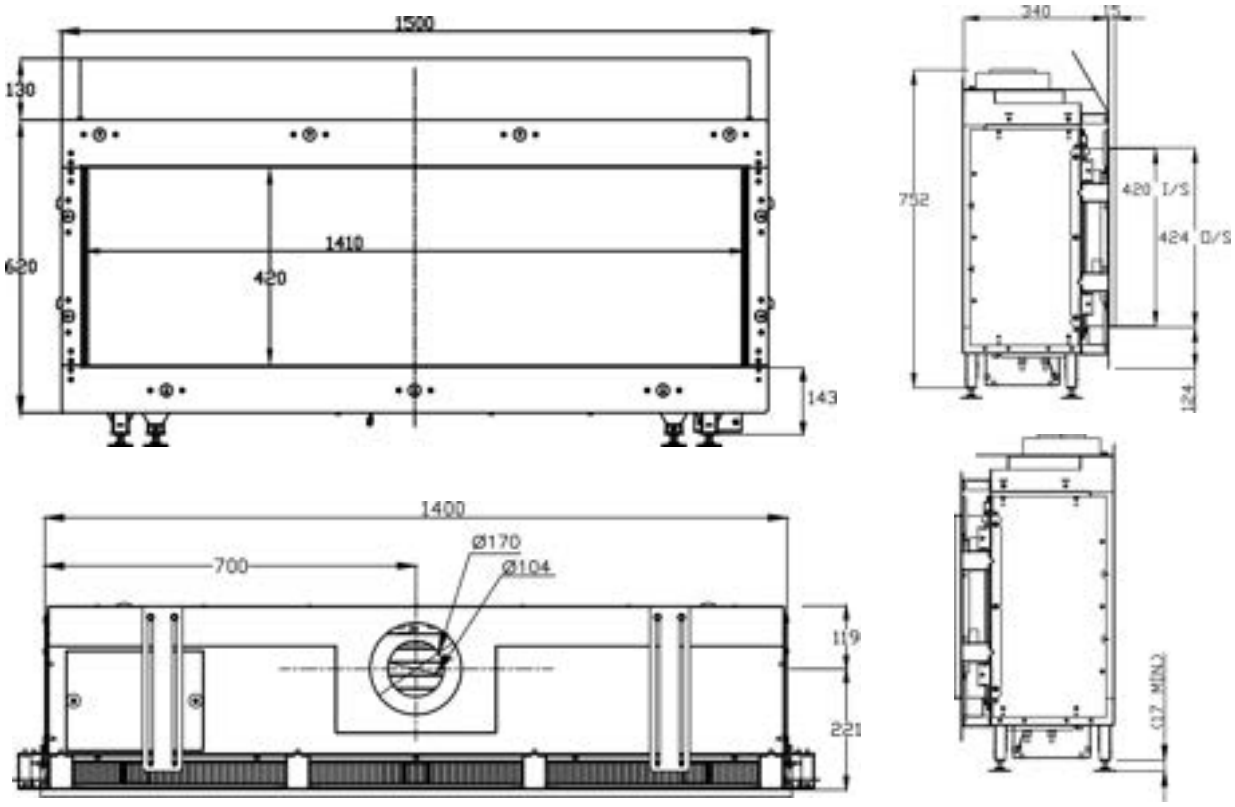
- Do not try to light the appliance
- Extinguish any active flame
- If possible, turn off the main gas supply to the house
- Open any windows or doors nearby
- Do not touch any electrical switches near the appliance
- Do not use your telephone near the appliance
- Contact your gas supplier (not in the vicinity of the appliance) and follow their instructions
- If you cannot reach your gas supplier, call the fire department

INSTALLATION AND USAGE WARNINGS:

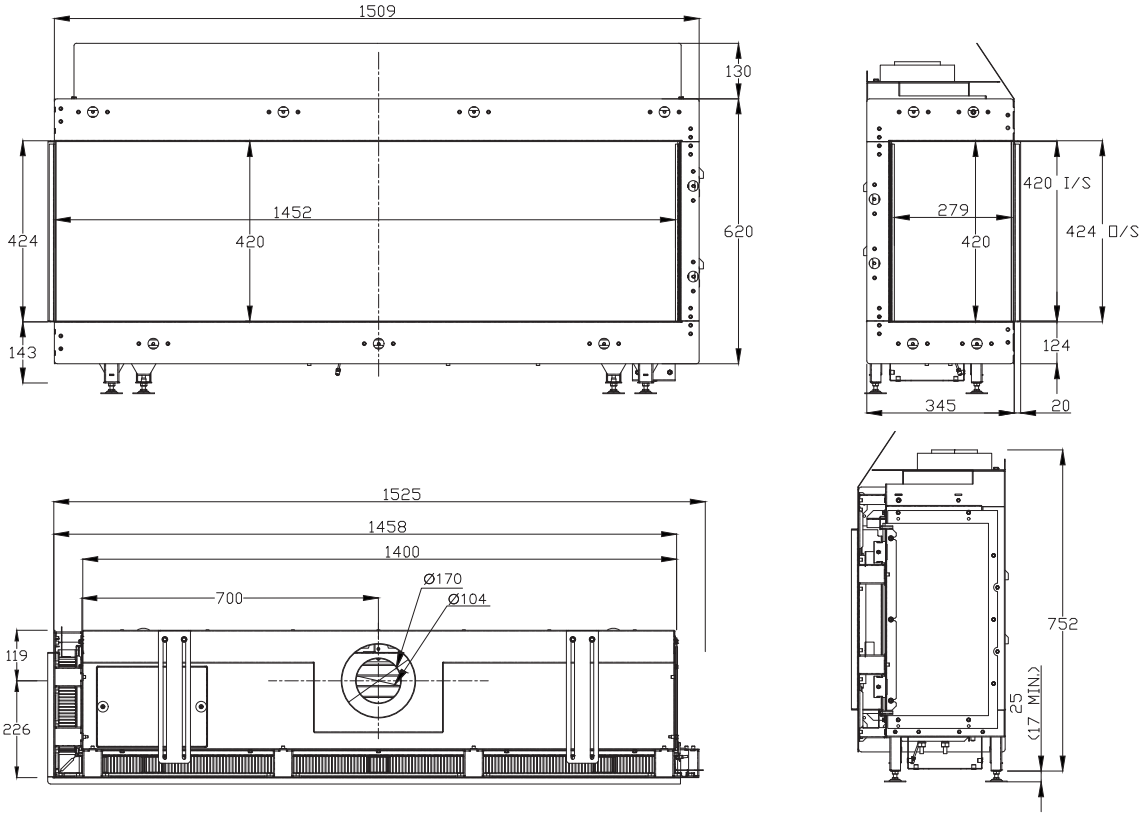
- Only a authorized (licensed/registered plumber) person will provide you with a Certificate of Compliance demonstrating that the work carried out comply with all the relevant standards and purchaser will need to obtain the Certificate of Compliance in order to redeem any warranty claims.
- Installation/maintenance of this appliance is only to be carried out in accordance with the manufacturer's instructions, local gas fitting regulations, AS5601.1:2013 installation code for gas burning appliances and any other relevant statutory regulations.
- Keep any flammable or combustible items (curtains, clothes, furniture, perfume etc.) at least 900mm from any glass openings of the heater.
- Living Fire gas space heaters have a primary safety guard fitted in front of the firebox glass door. This safety guard is fitted to reduce the risk of injury from burns and at no time should this guard be permanently removed.
- Glass and other surfaces are hot during operation as well as during the cooling down period. Precaution should be taken and young children must be supervised at all times. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety
- Never attempt to burn paper or any other material in the heater
- A slight smell or smoke 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

PRODUCT DIMENSIONS

G1410 GF

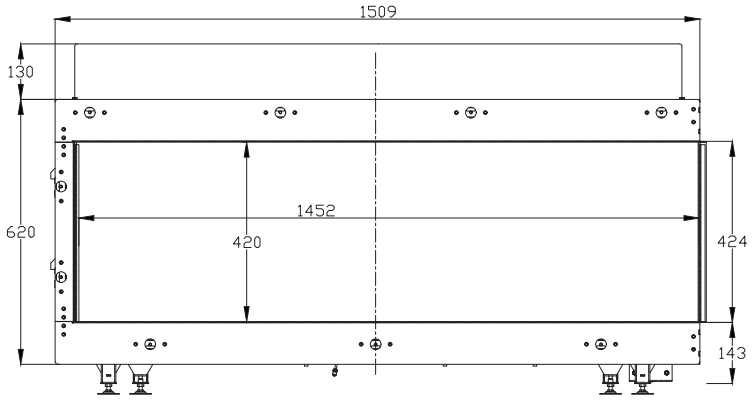


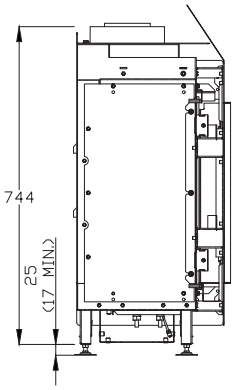
G1410 GF2L

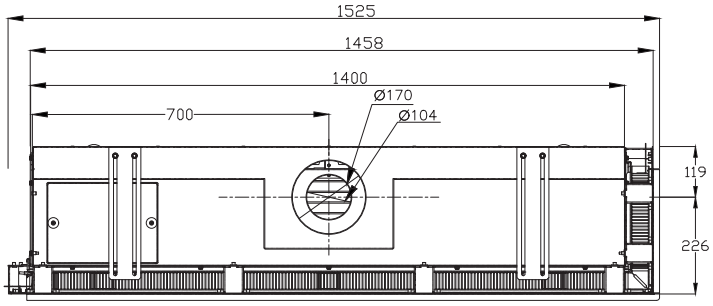


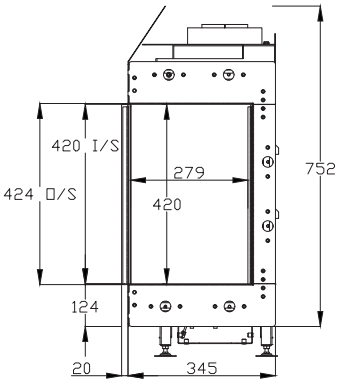
PRODUCT DIMENSIONS

G1410 GF2R

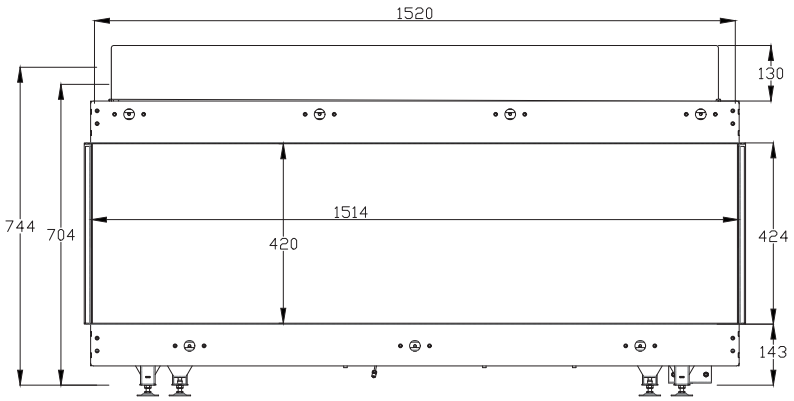


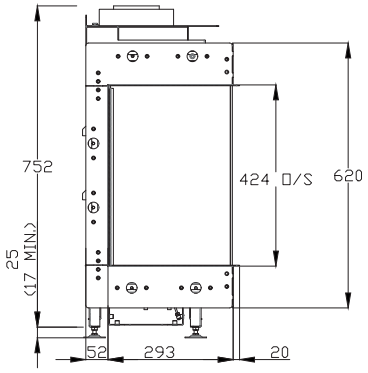


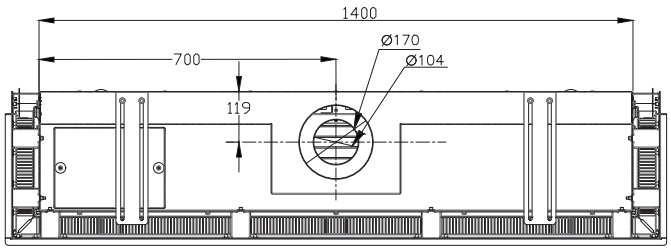


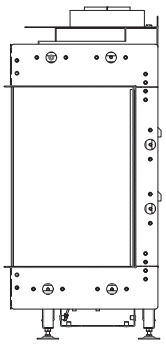


GF1410 GF3



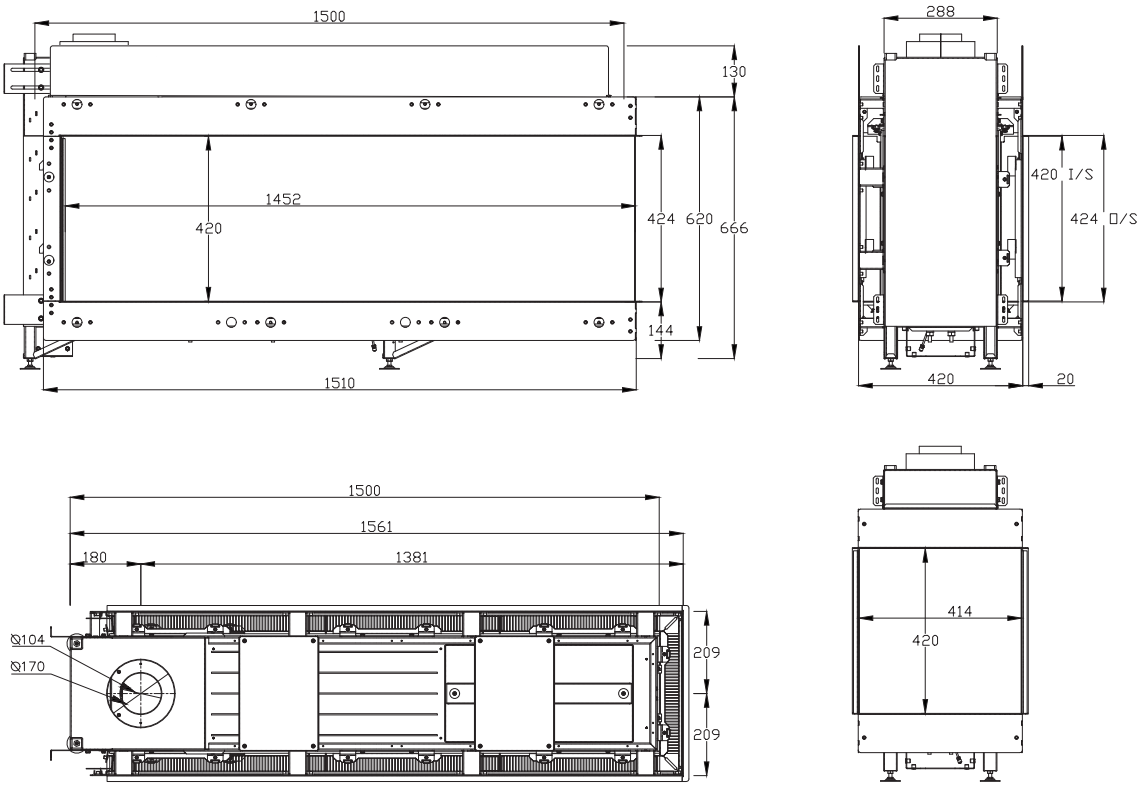




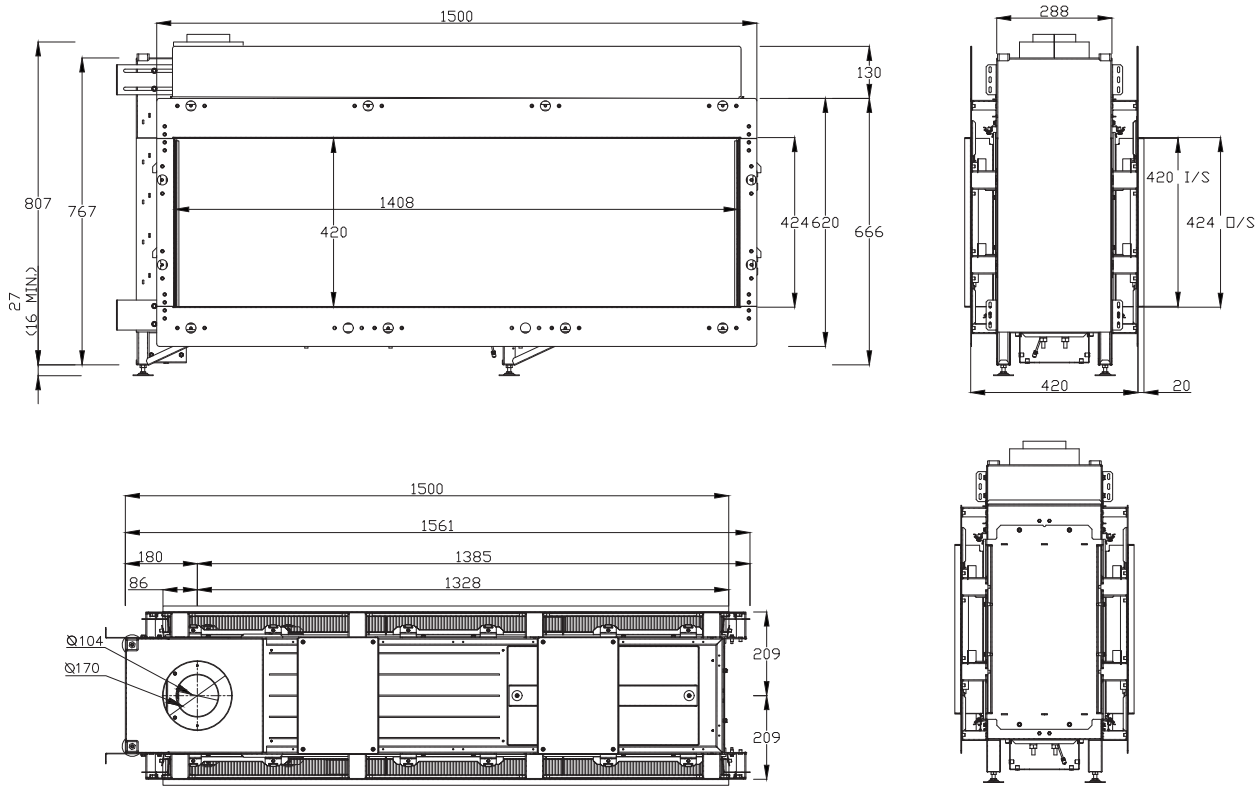


PRODUCT DIMENSIONS

G1410 RD

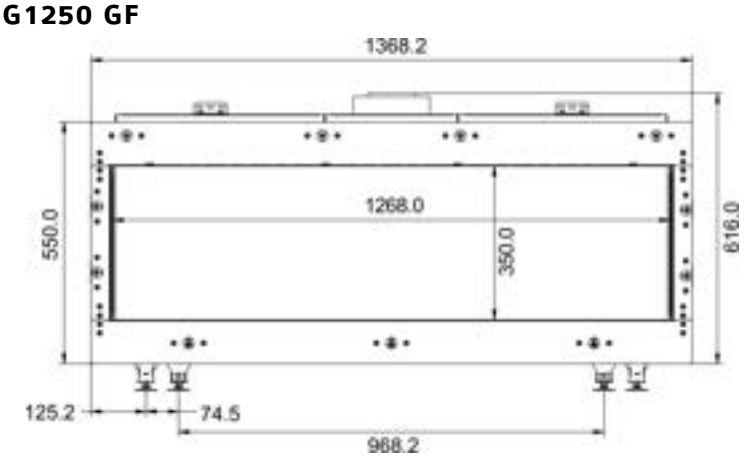


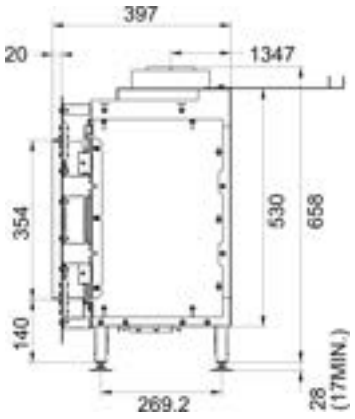
G1410 T

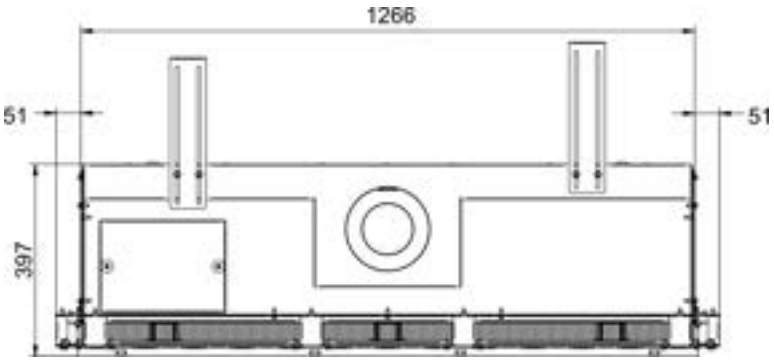


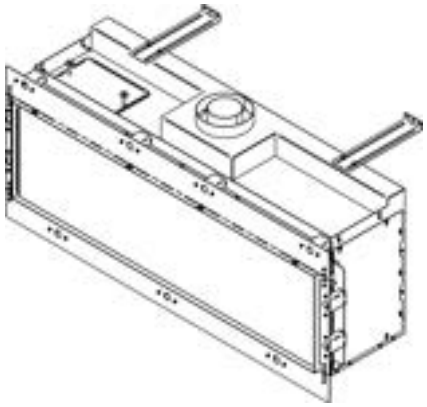
PRODUCT DIMENSIONS

G1250 GF

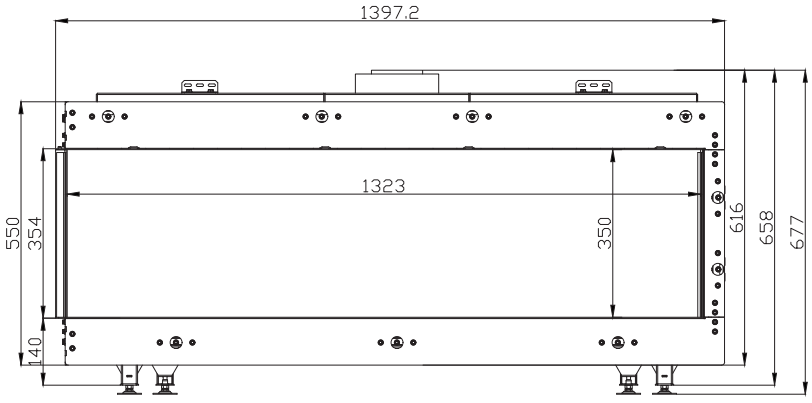


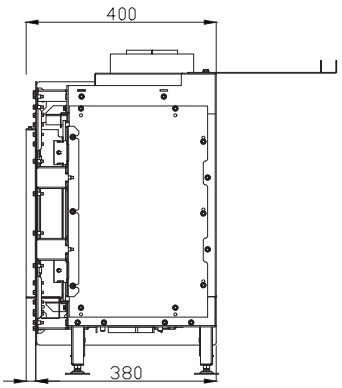


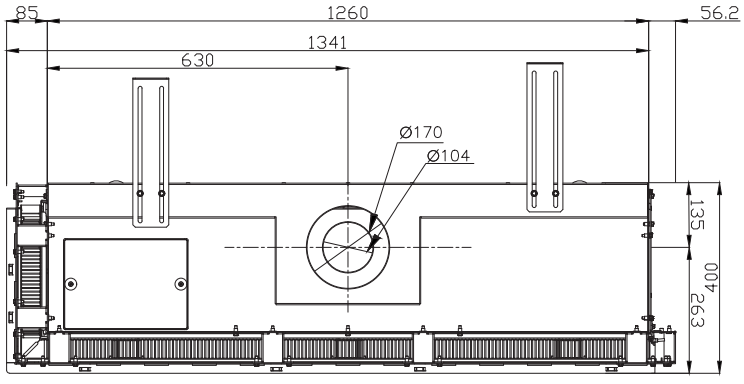


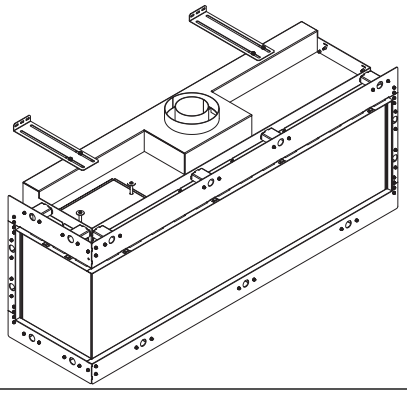


GF1250 GF2L



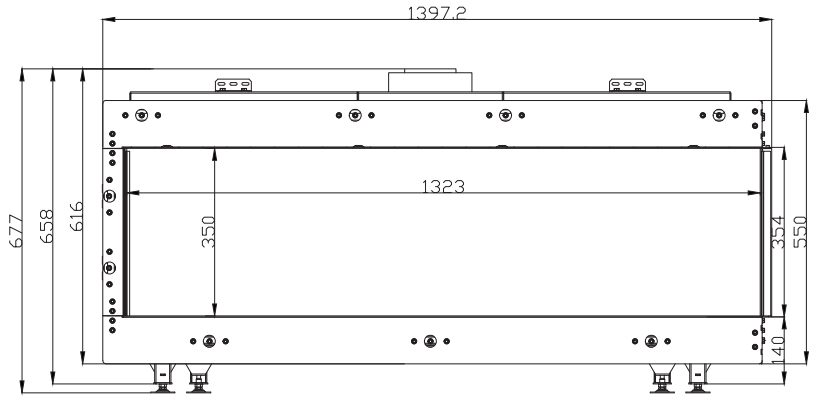


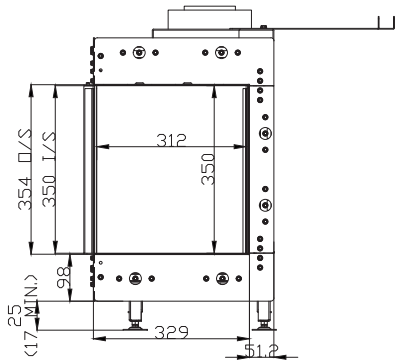


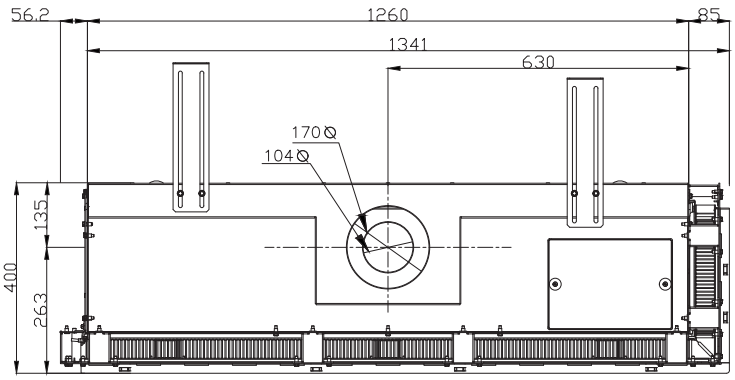


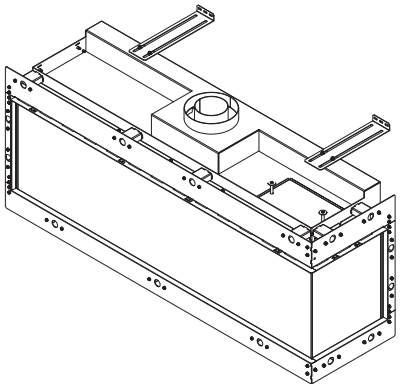
PRODUCT DIMENSIONS

G1250 GF2R

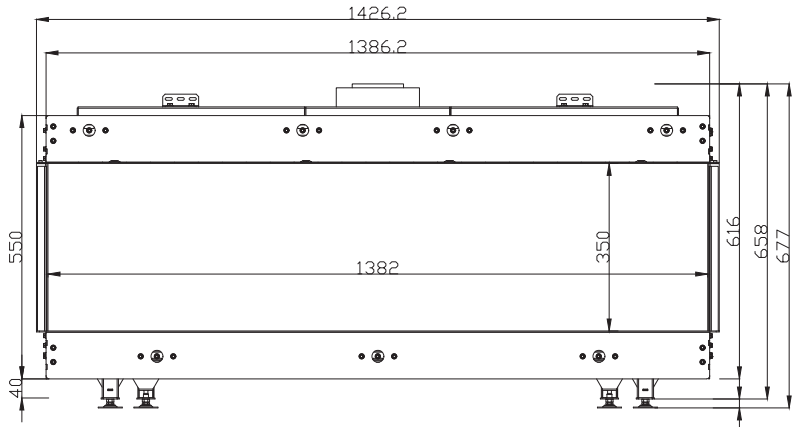


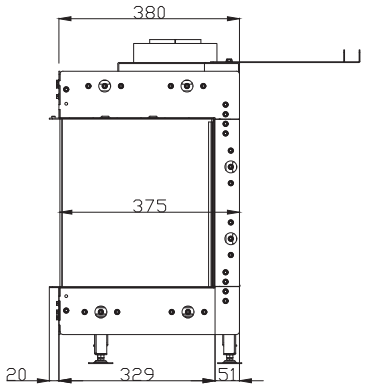


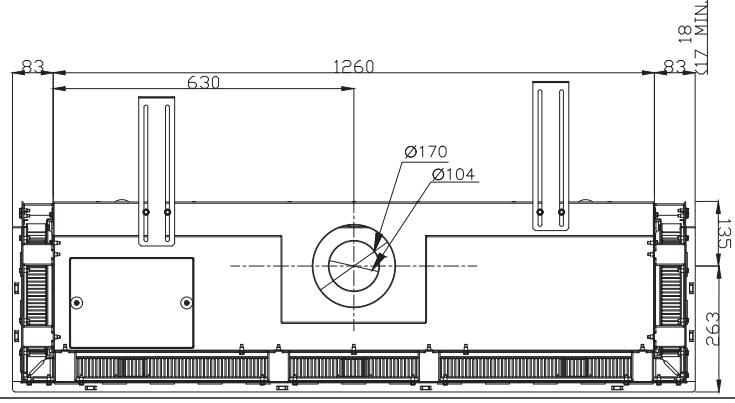


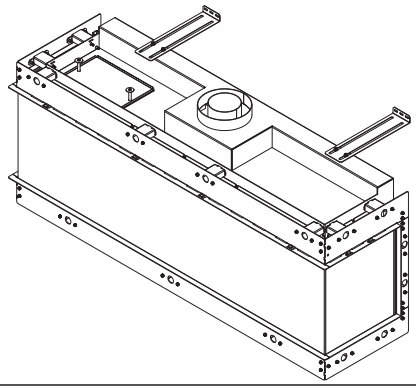


G1250 GF3



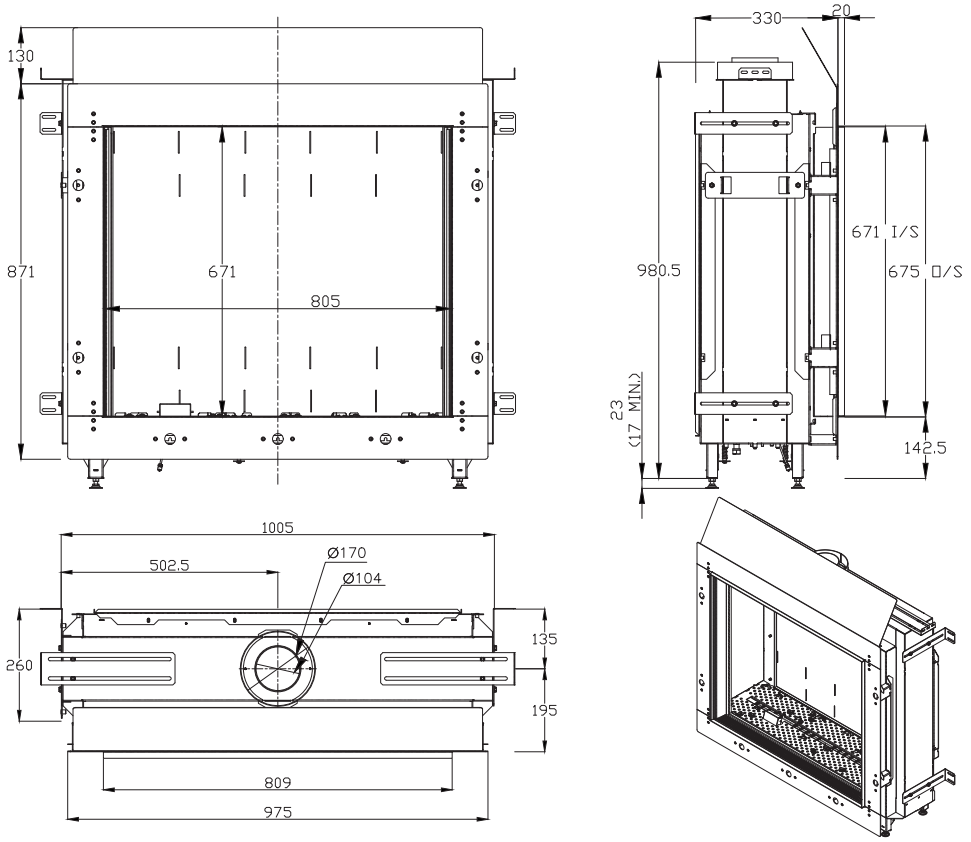




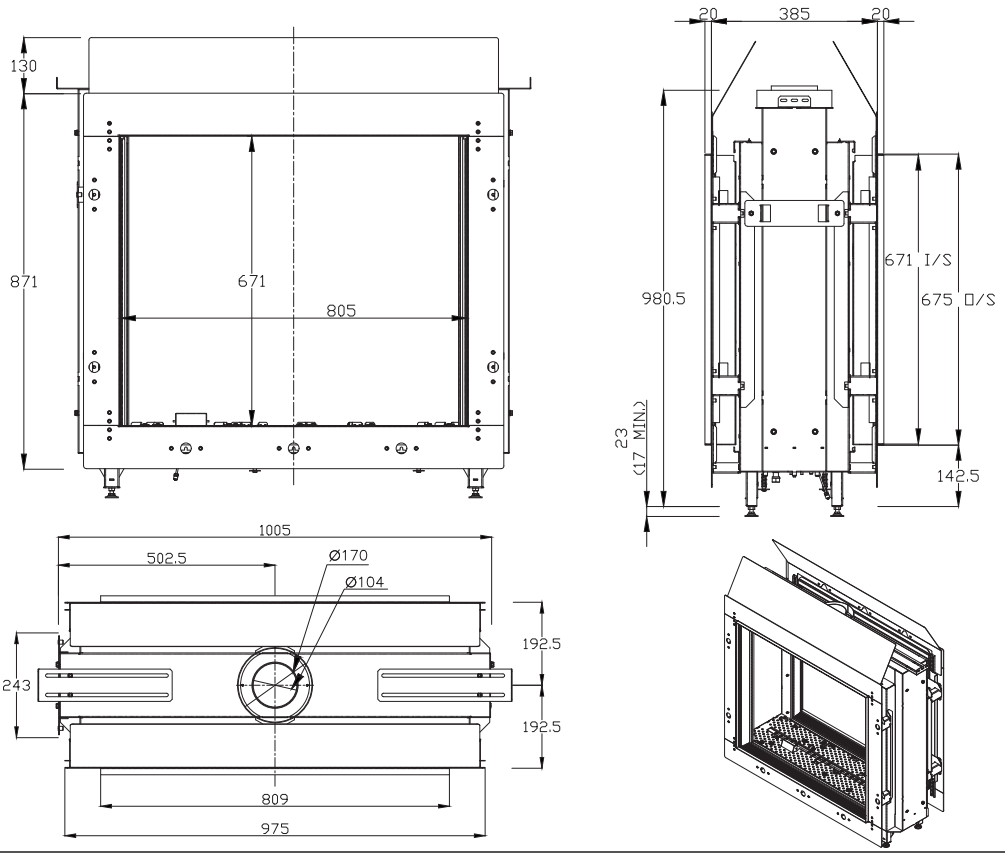


PRODUCT DIMENSIONS

G800 GF

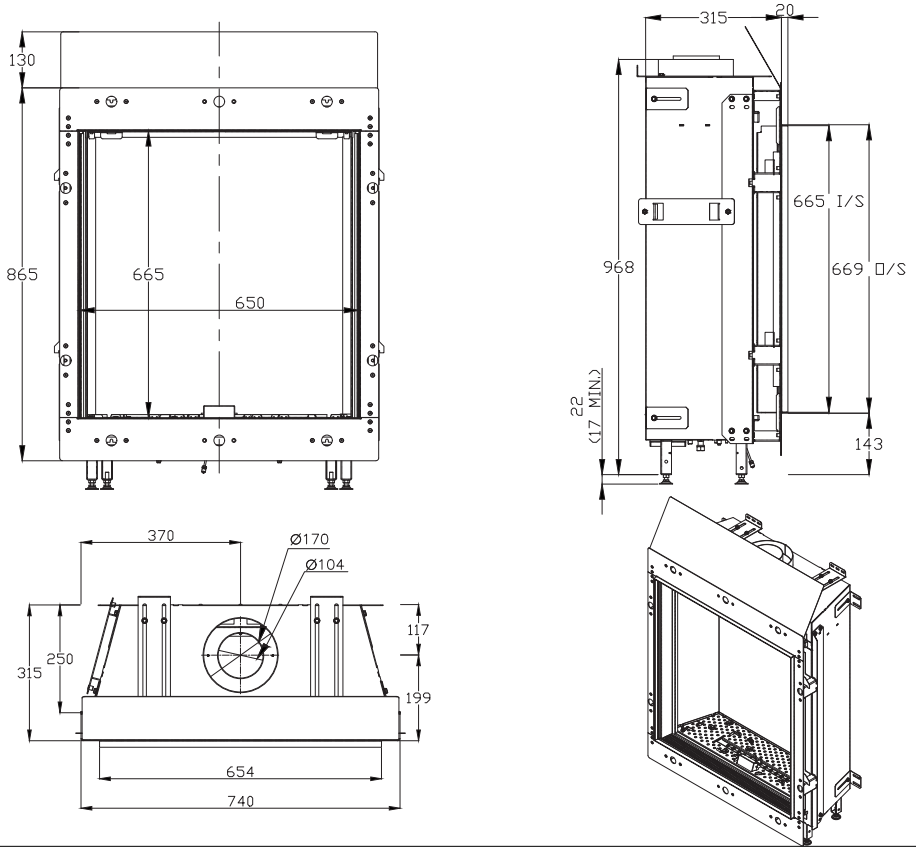


G800 T

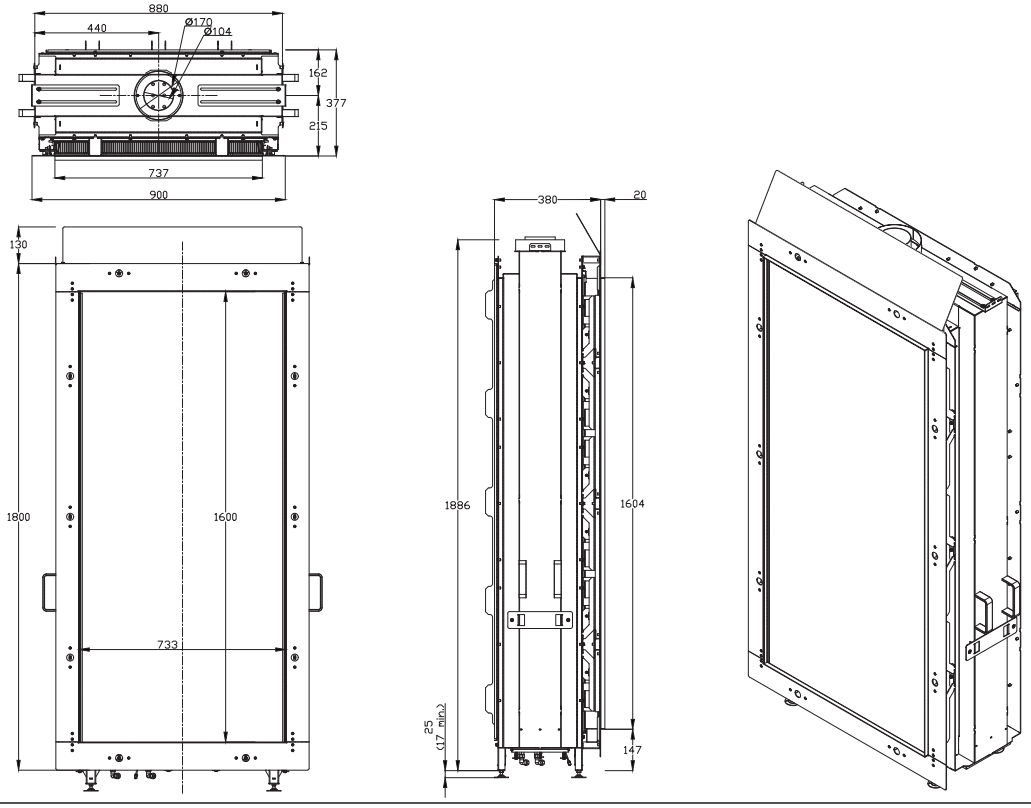


PRODUCT DIMENSIONS

G650

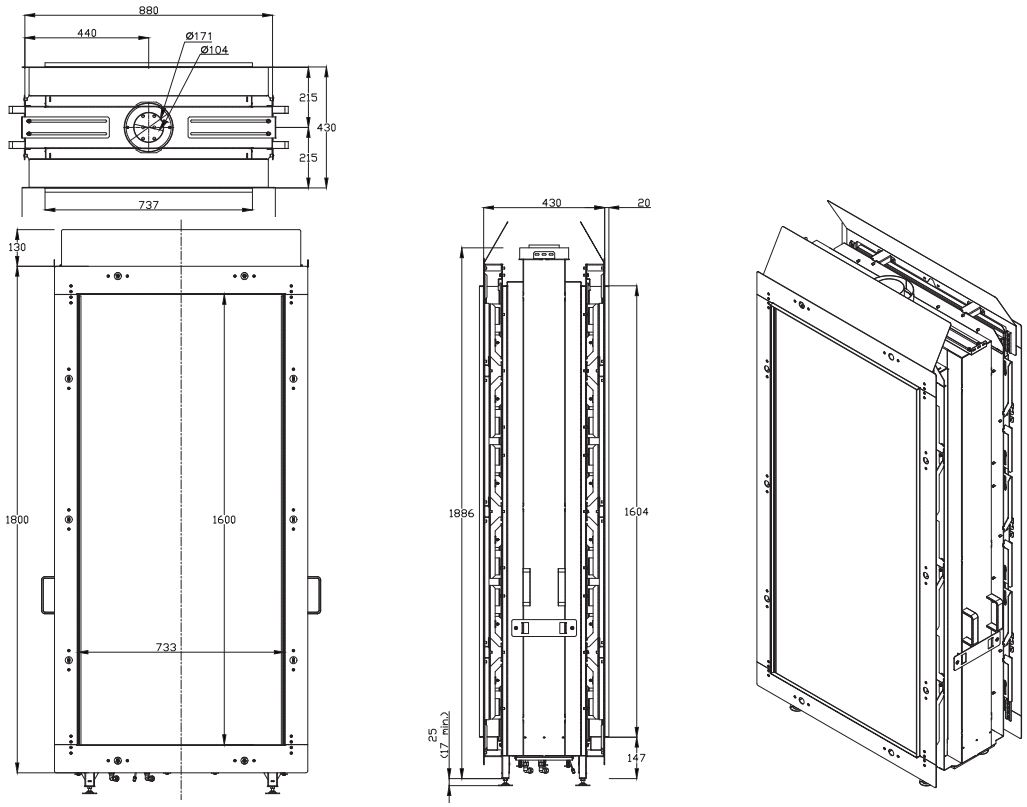


ALTO GF



PRODUCT DIMENSIONS

ALTO T



TECHNICAL DATA SUMMARY

	Vue Fourteen Ten (G1410 GF)	
	Vue Fourteen Ten Left Corner (G1410 GF2L)	
	Vue Fourteen Ten Right Corner (G1410 GF2R)	
	Vue Bay (G1410 GF3)	
	Vue Tunnel (G1410 T)	
	Vue Peninsula (G1410 RD)	
	Natural Gas	Universal LPG
Model Number	G 1410	
Type Number	AS-10	
Gas consumption – high (MJ/hr)	44	40
Gas consumption – low (MJ/hr)	30	35
Burner pressure - high (kPa)	0.7	2.4
Burner pressure - low (kPa)	0.38	1.96
Number of burners	3	
Large burner	1	
Small burner	2	
Injector (Bray type) multiport	Front 0.85 x 7	Front 0.50 x 7
Injector (Bray type) multiport	Rear 0.90 x 7	Rear 0.55 x 7
Number of injectors	3	
Efficiency Star rating	2.39	
IAPMO Approval Number	GMK10542	

TECHNICAL DATA SUMMARY

	Vue Twelve Fifty (G1250 GF)	
	Vue Twelve Fifty Left Corner (G1250 GF2L)	
	Vue Twelve Fifty Right Corner (G1250 GF2R)	
	Vue Twelve Fifty Bay (G1250 GF3)	
	Natural Gas	Universal LPG
Model Number	G 1250	
Type Number	AS-6	
Gas consumption – high (MJ/hr)	34	
Gas consumption – low (MJ/hr)	22	
Burner pressure - high (kPa)	0.6	
Burner pressure - low (kPa)	0.3	
Number of burners	1	
Large burner	1	
Small burner	-	
Injector (Bray type) multiport	1.25	0.55
Injector (Bray type) multiport	-	-
Number of injectors	1	
Efficiency Star rating	2.0	
IAPMO Approval Number	GMK 10542	

TECHNICAL DATA SUMMARY

	Quadro Eight Hundred (G800 GF)	
	Quadro Eight Hundred Tunnel (G800 T)	
	Natural Gas	Universal LPG
Model Number	G 800	
Type Number	AS-4	
Gas consumption – high (MJ/hr)	31.0	28.0
Gas consumption – low (MJ/hr)	19.0	24.0
Burner pressure - high (kPa)	0.7	2.4
Burner pressure - low (kPa)	0.3	1.8
Number of burners	1	
Large burner	1	
Small burner	-	
Injector (Bray type) multiport	1.25	0.55
Injector (Bray type) multiport	-	-
Number of injectors	1	
Efficiency Star rating	2.04	
IAPMO Approval Number	GMK 10542	

TECHNICAL DATA SUMMARY

	Quadro Six Fifty (G650 GF)	
	Natural Gas	Universal LPG
Model Number	G 650	
Type Number	AS-7	
Gas consumption – high (MJ/hr)	27	23
Gas consumption – low (MJ/hr)	16	13
Burner pressure - high (kPa)	0.7	2.4
Burner pressure - low (kPa)	0.3	0.8
Number of burners	1	
Large burner	1	
Small burner	-	
Injector (Bray type) multiport	1.10	0.55
Injector (Bray type) multiport	-	-
Number of injectors	1	
Efficiency Star rating	2.04	
IAPMO Approval Number	GMK 10542	

TECHNICAL DATA SUMMARY

	Alto Glass Fronted (ALTO GF)	
	Alto Tunnel (ALTO T)	
	Natural Gas	Universal LPG
Model Number	G Alto	
Type Number	AS-16	
Gas consumption – high (MJ/hr)	50	43
Gas consumption – low (MJ/hr)	35	32
Burner pressure - high (kPa)	0.6	2.40
Burner pressure - low (kPa)	0.4	1.52
Number of burners	2	
Large burner	1	
Small burner	1	
Injector (Bray type) multiport	1.25	0.55
Injector (Bray type) multiport	1.10	0.50
Number of injectors	2	
Efficiency Star rating	3.1	
IAPMO Approval Number	GMK 10542	

CONVECTIONAL HEAT

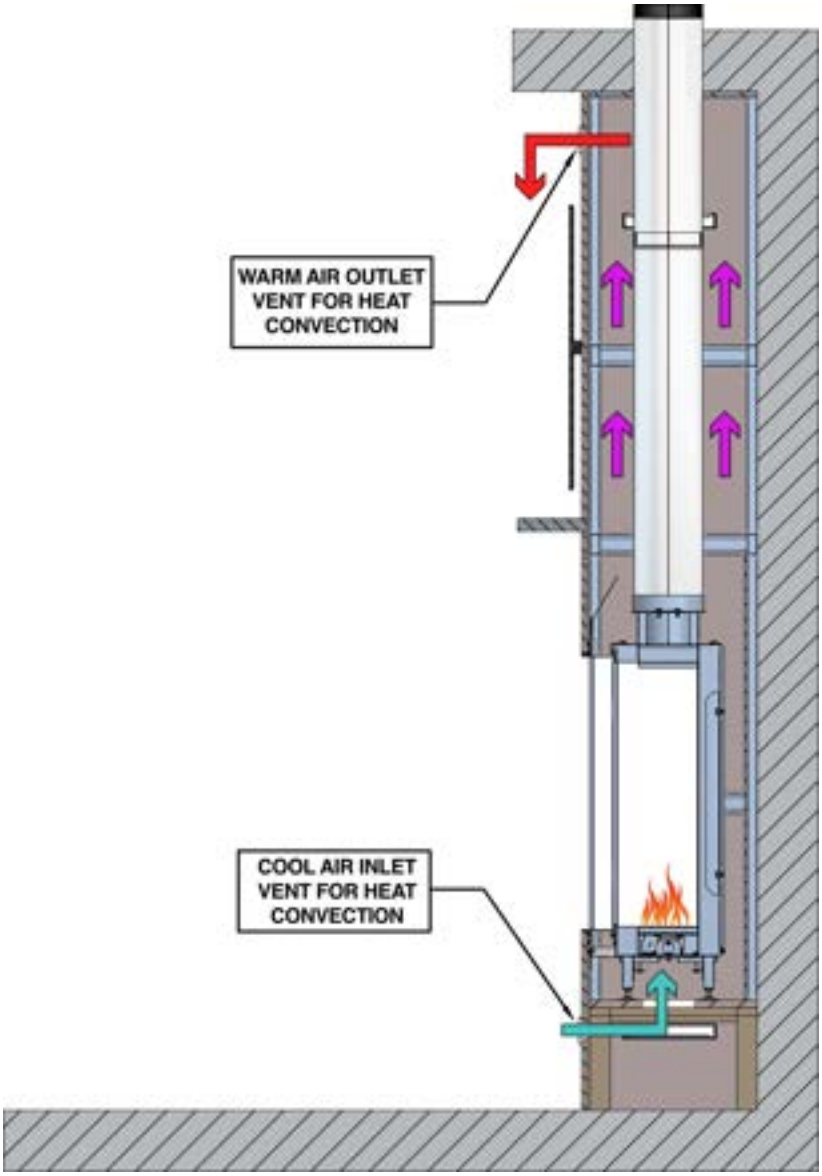


Figure 1.1 (Convectional heat through vents)

Overall Design:

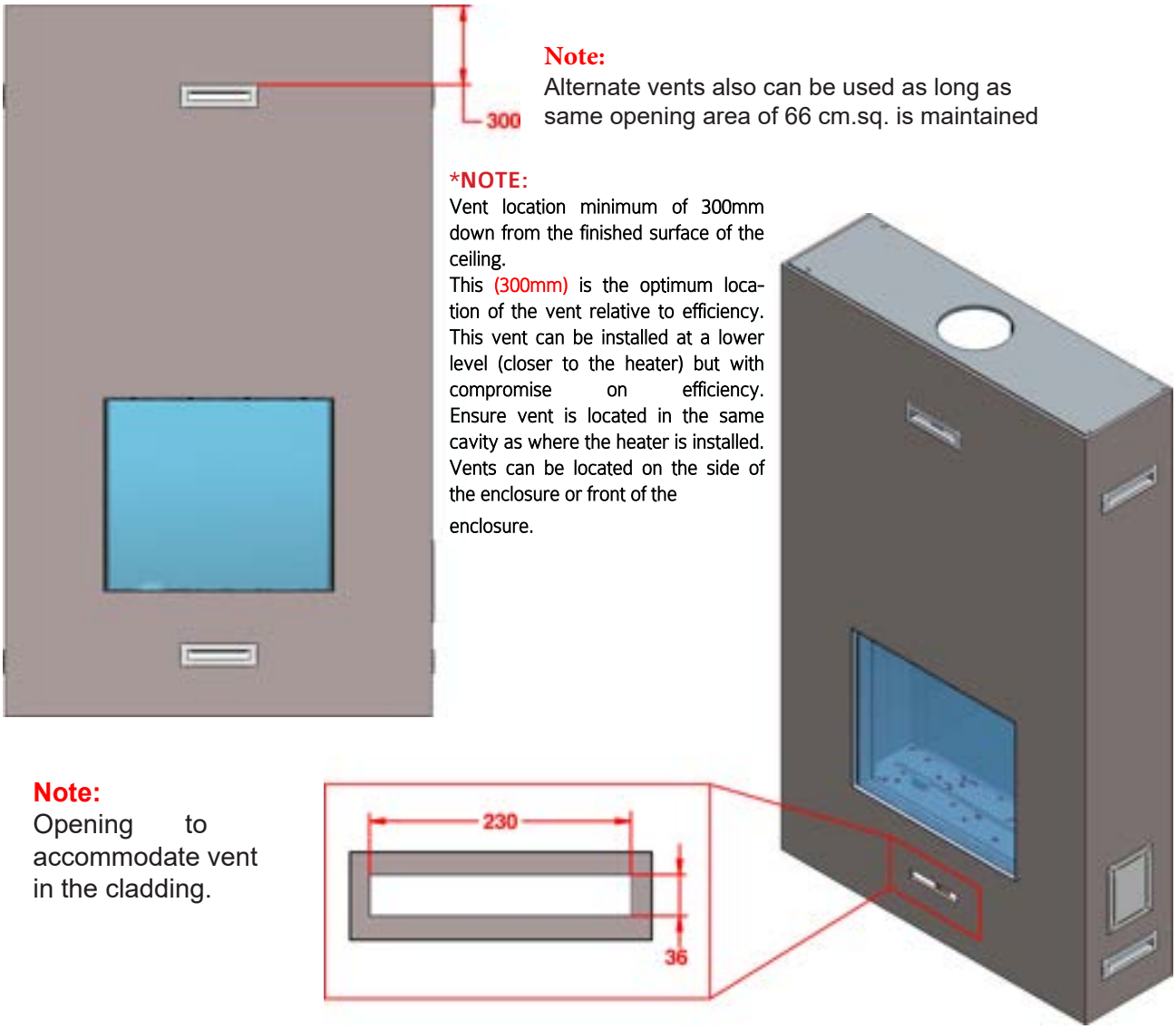
• One of the many features of the Paul Agnew Designs gas fireplaces is its use of convective air flow.

• As the air within the enclosing walls, or chase, is warmed by the fireplace it rises and then exits the convection air outlets. The warm air in the chase is then replaced by room air which enters through the room air inlets which are situated at the bottom of the enclosure. As this warm air cool, it falls toward the floor where it's drawn into the inlet and the cycle repeats.

• The room air inlets are part of the fireplace and cannot be blocked. The amount of square area required for your convectional air outlets is determined the enclosure construction.

• As seen in the next page, the outlets may be placed in a number of locations to accommodate different struc-tures/designs. In all cases, the design must allow for free flow air through the chase/ enclosure.

VENT LOCATIONS AND SIZES



Note:
Alternate vents also can be used as long as same opening area of 66 cm.sq. is maintained

***NOTE:**
Vent location minimum of 300mm down from the finished surface of the ceiling.
This (300mm) is the optimum location of the vent relative to efficiency. This vent can be installed at a lower level (closer to the heater) but with compromise on efficiency. Ensure vent is located in the same cavity as where the heater is installed. Vents can be located on the side of the enclosure or front of the enclosure.

Note:
Opening to accommodate vent in the cladding.

Figure 1.2 (Vents)

NOTE:

Standard Vent Size:
271x81mm
Standard Vent Opening:
218x30mm

For Timber Frame:
x 4 vents are provided for more heat dispersion.

For Steel Frame:
x4 minimum vents required for airflow.

* Vent sizes can be customised.

Figure 1.3 (Vent Size)

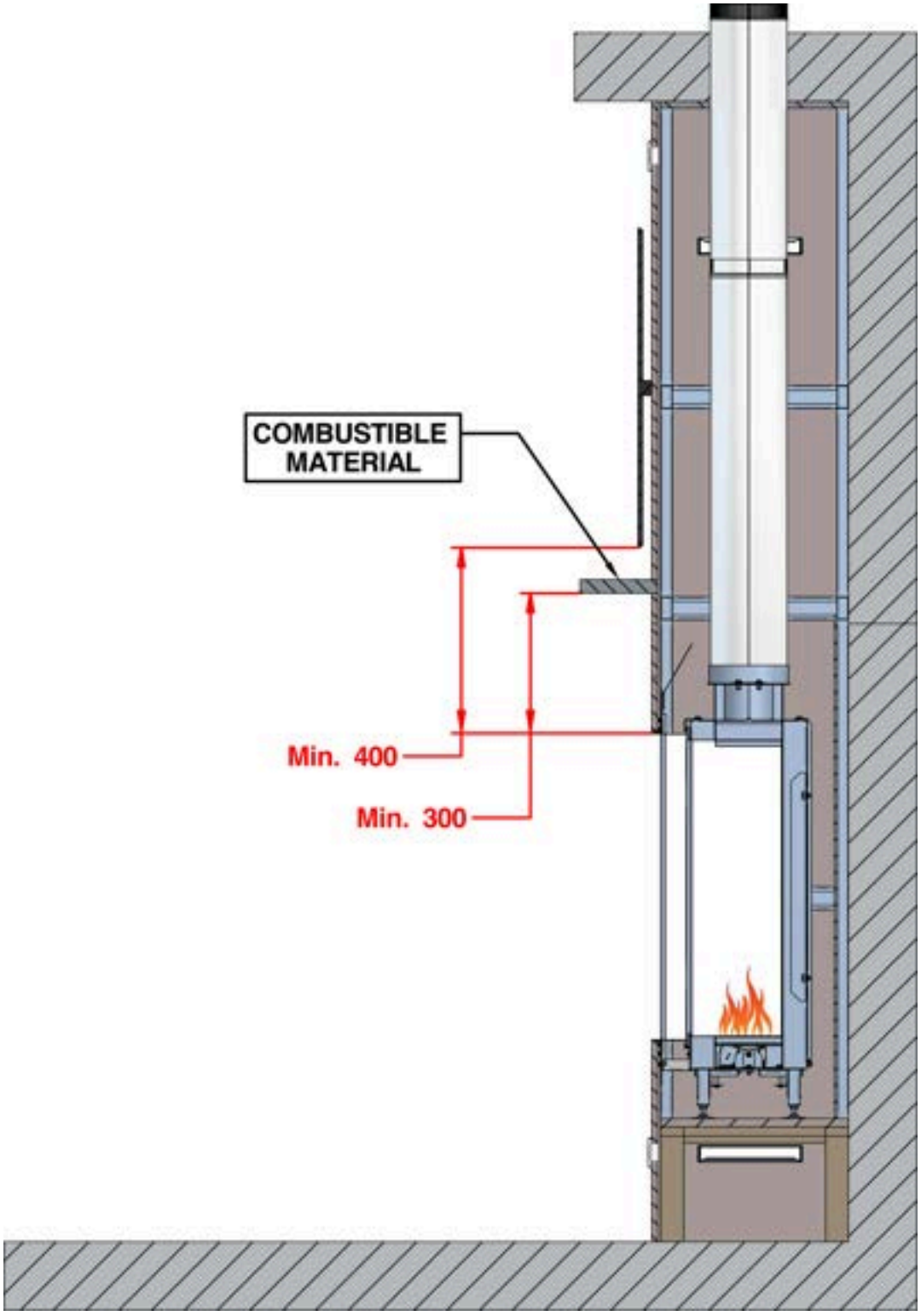
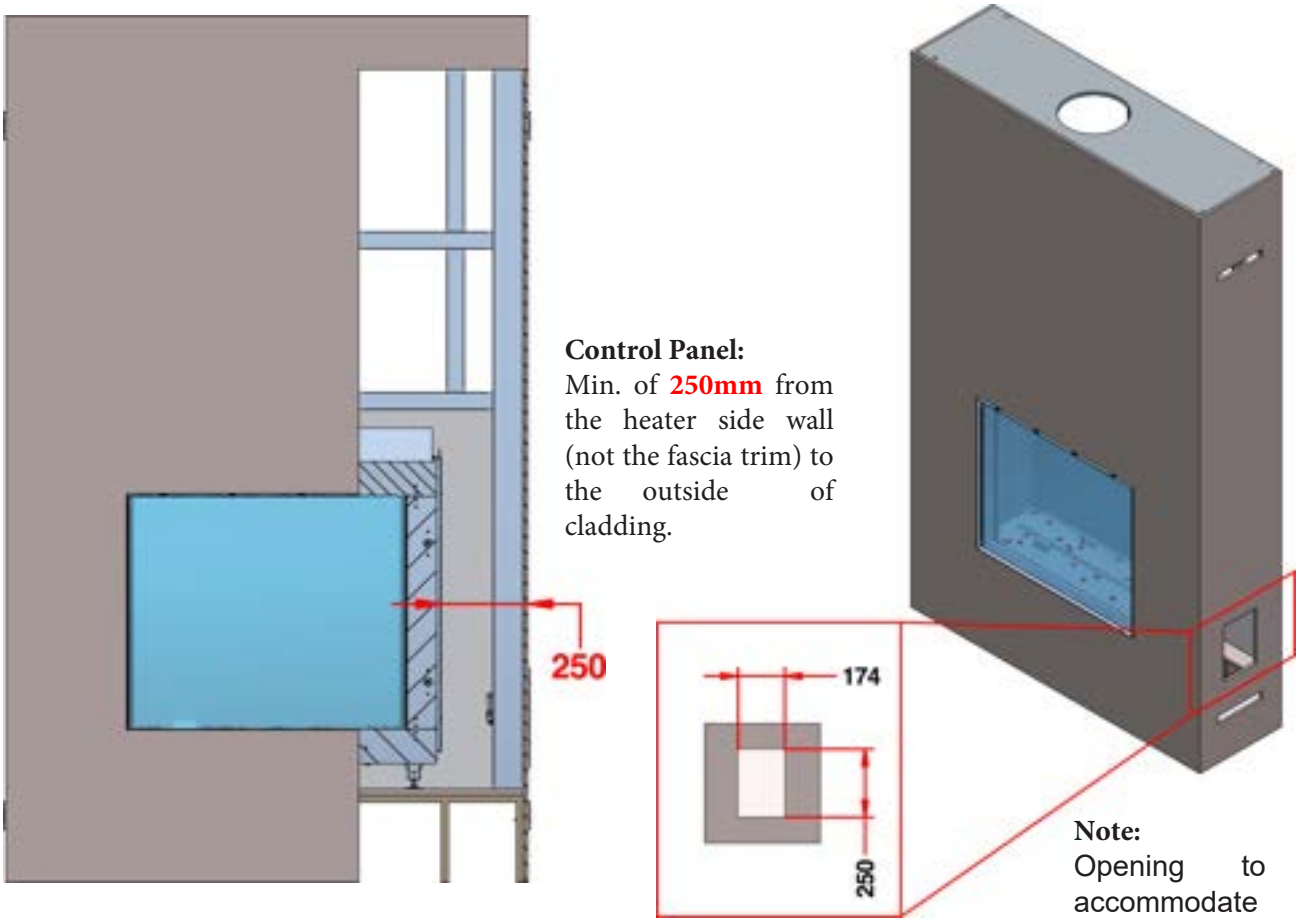


Figure 1.4 (Clearance from Unit to TV)



Control Panel:
Min. of **250mm** from the heater side wall (not the fascia trim) to the outside of cladding.

Note:
Opening to accommodate control Panel in the cladding.

Figure 1.5 (Control panel location)

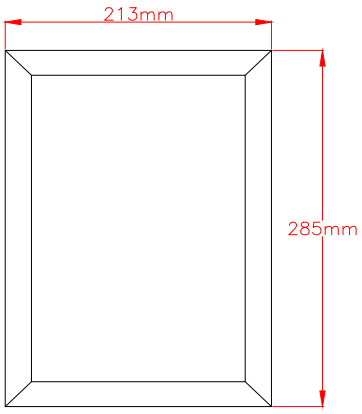


Figure 1.6
(Control Panel external Dimension)

Control Box Installation:

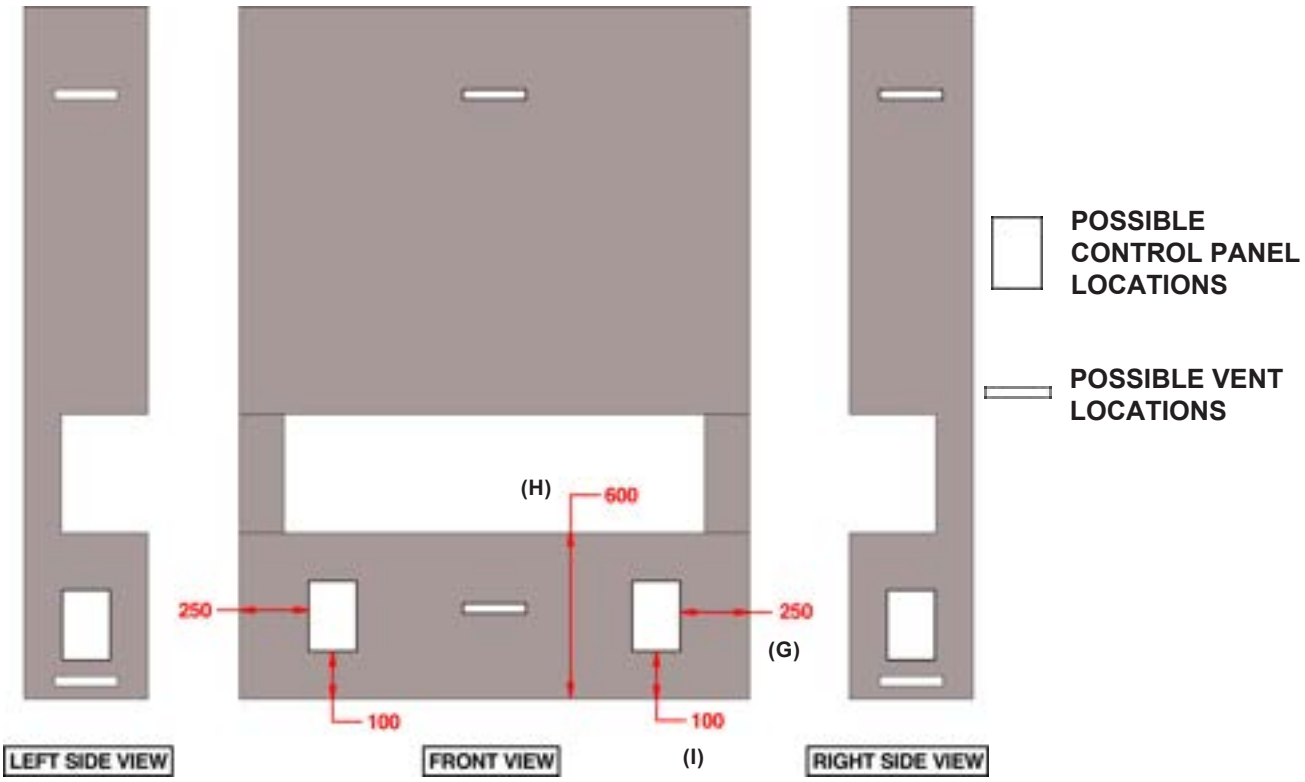
Timber/ Metal Installation:

Heater stands on support legs that sit on framing/floor which provide sufficient clearance for airflow. If unit is mounted on floor, control panel can only be located to the side with the minimum clearance of 250mm to the side. If underneath the unit, base will need to at a desired height for the unit but also allowing the control box to be located underneath. Please refer to dimensions of each unit.

VUE 1410 BAY

CONTROL PANEL & VENT POSITION

POSSIBLE LOCATION OF CONTROL PANEL AND VENTS

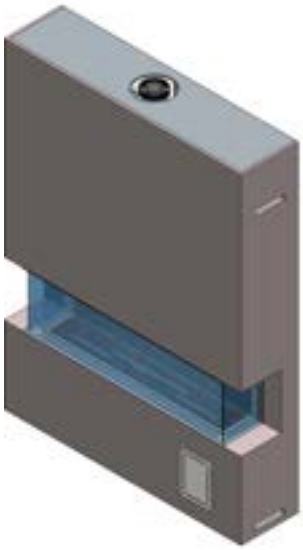


CLEARANCE DETAILS

G - Minimum clearance between panel opening to side of the cladding (250mm)

H - Minimum height between floor level to Heater front window lip (600mm)

I - Minimum clearance between floor level to panel (100mm)



Note:

G, H &I dimension is only applicable if the control panel is installed directly below the appliance.

Please refer Pg.5 if the control panel is installed to the side of the cavity.

CLADDING MATERIAL

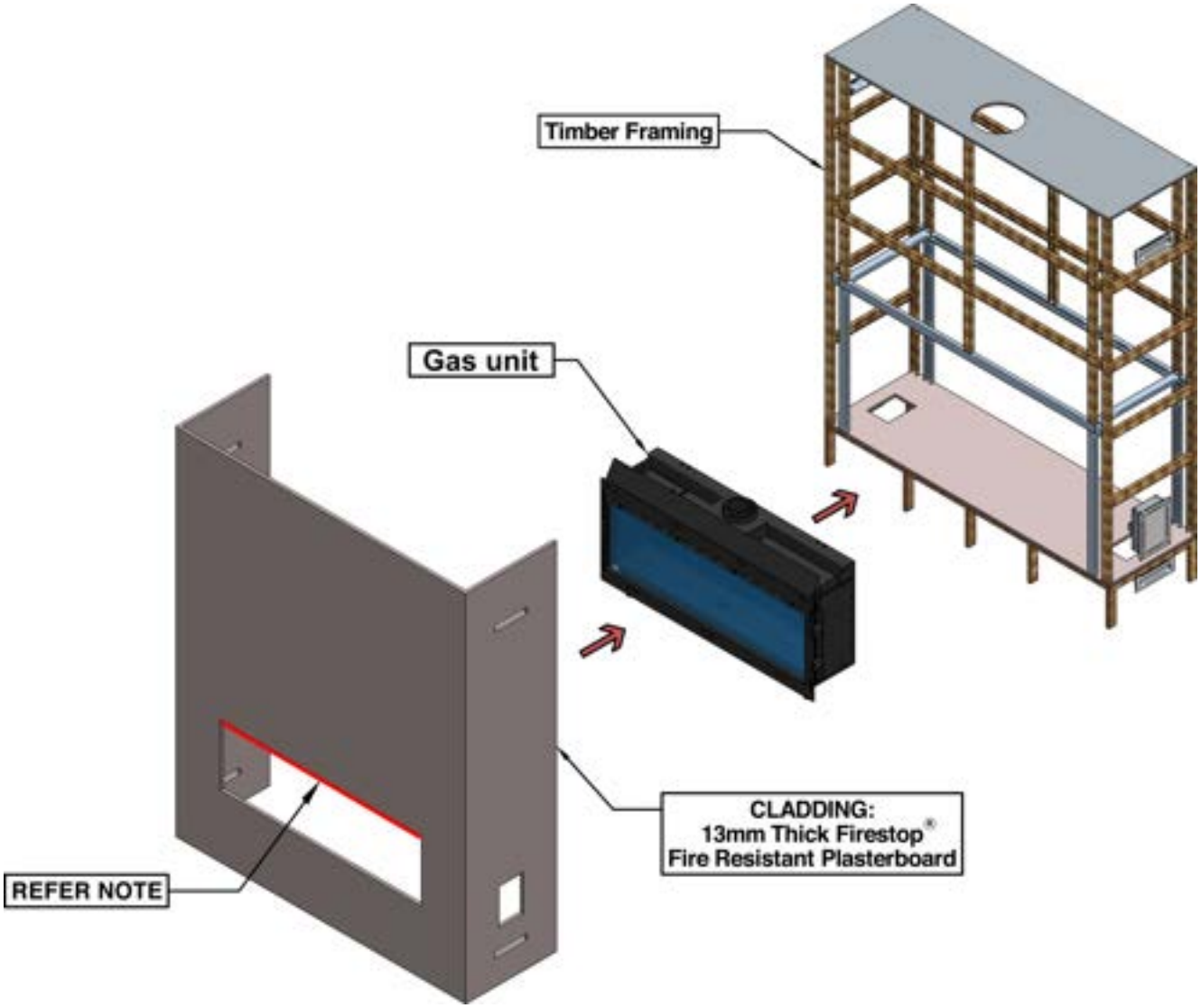


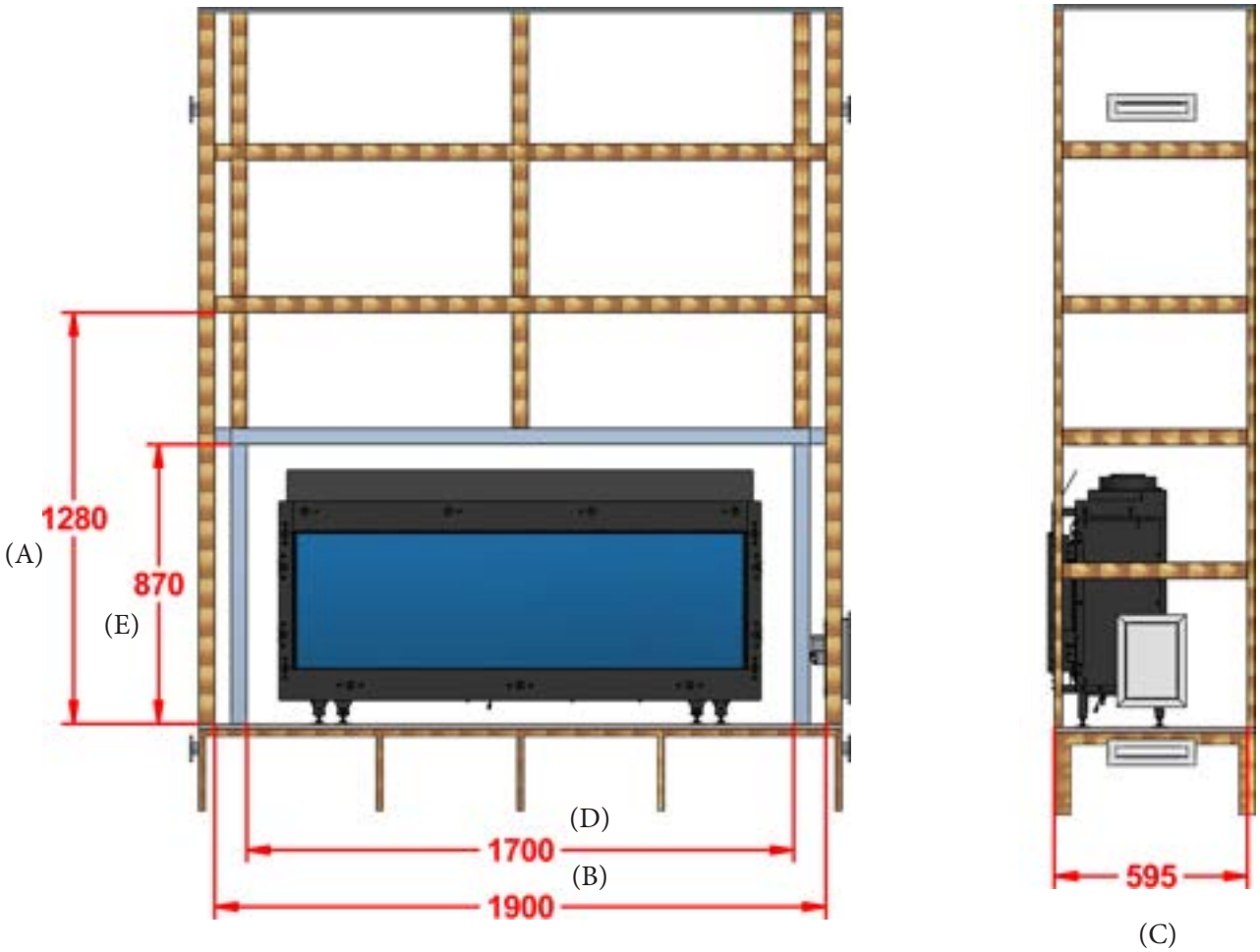
Figure 1.7 (Cladding Material)

Note:
A gap of 5mm needs to be left between the plasterboard and the top part of the firebox.
9mm Villa Board can be used as an alternative approved cladding material.

VUE 1410 GLASS FRONTED

TIMBER FRAME

Figure 1.8 (Timber framing)



CLEARANCE TO COMBUSTIBLES

Fireplace Dimensions			Timber Frame			Metal Studs Infills to be in-stalled after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +6mm Villa Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm each side	Unit Depth +250mm to back	Unit Width +150mm either side	Unit Height +90mm top	Unit Depth + 81mm
H	W	D	A	B	C	D	E	C*
780	1400	345	1280	1900	595	1700	870	426

Note:

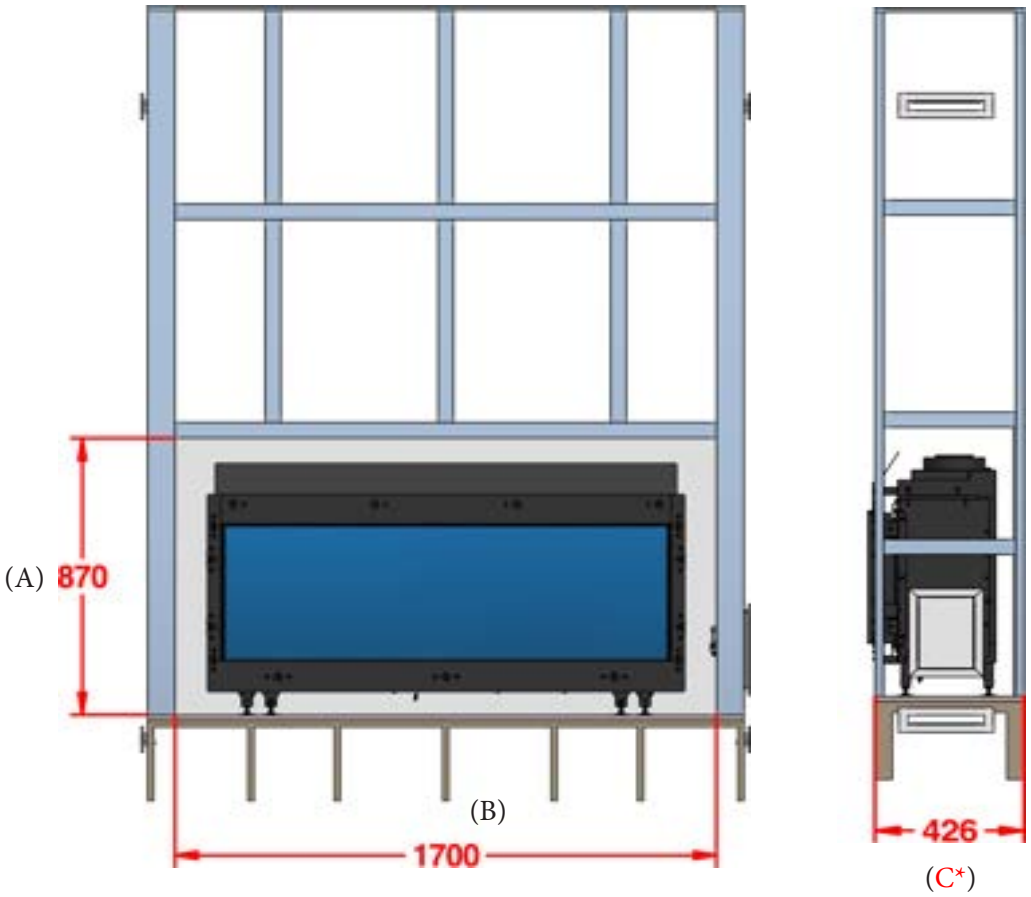
Please refer to Pg. 3 for specifications regarding Vents and pg. 5 for Control Panel specifications.

C* Please refer to Pg. 11 for pictorial representation and specifications.

VUE 1410 GLASS FRONTED

METAL FRAME

Figure 1.8 (Metal framing)



IMPORTANT NOTE:
Consider Control Panel clearance dimensions on page 5; before constructing metal frame.

CLEARANCE TO COMBUSTIBLES

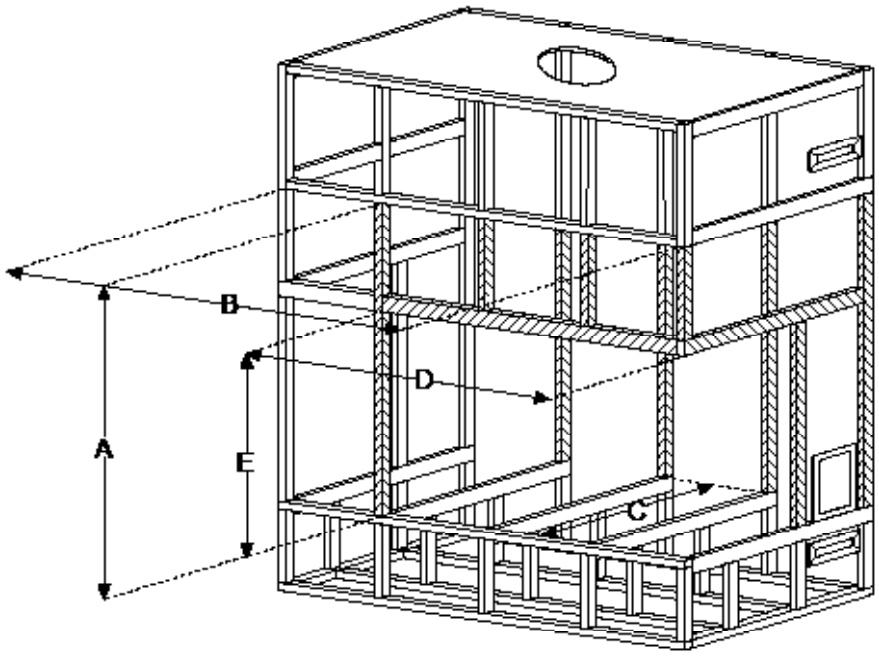
Fireplace Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +90mm top	Unit Width +150mm either side to internal side of metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +6mm Villa Board +50mm air gap to unit
H	W	D	A	B	C*
780	1400	345	870	1700	426

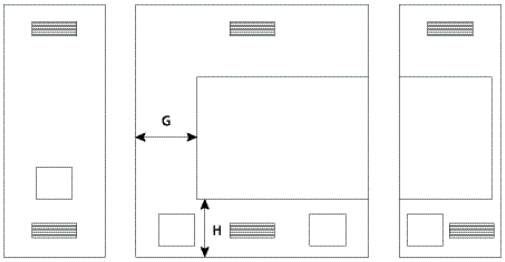
Important:
Unit needs to be in place while building into metal studs. Otherwise the measurements must be bigger.
The clearances to combustibles is 500mm to the top of the unit and 250mm on either side.

Note:
Please refer to Pg. 2 for specifications regarding Vents and pg. 4 for Control Panel specifications.

1410GF2R CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
G*= 250mm
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm	Unit Depth +250mm to back	Unit Width +50mm to left hand metal stud	Unit Height +150mm top	Unit Depth + 88mm
H	W	D	A	B	C	D	E	C*
780	1458	345	1280	1708	595	1508	930	433

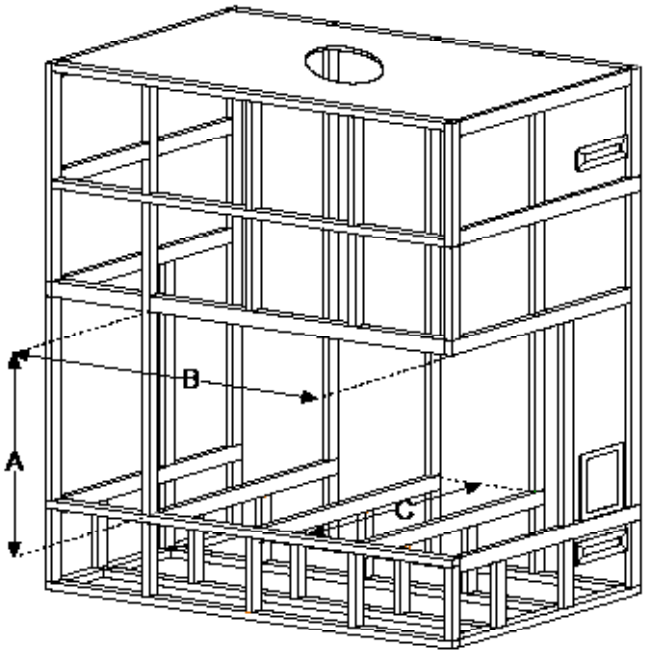
Extra notes:

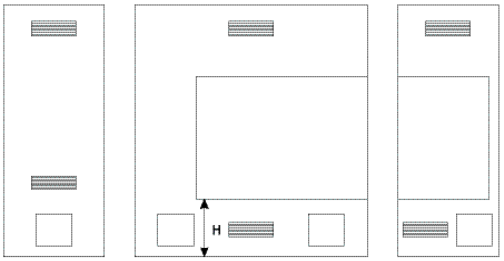
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1410GF2R CLEARANCES

METAL FRAME





Possible vent locations
4 minimum vents required for airflow
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +50mm top	Unit Width +150mm to inner side of left hand metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board +50mm air gap to unit
H	W	D	A	B	
780	1458	345	830	1608	433

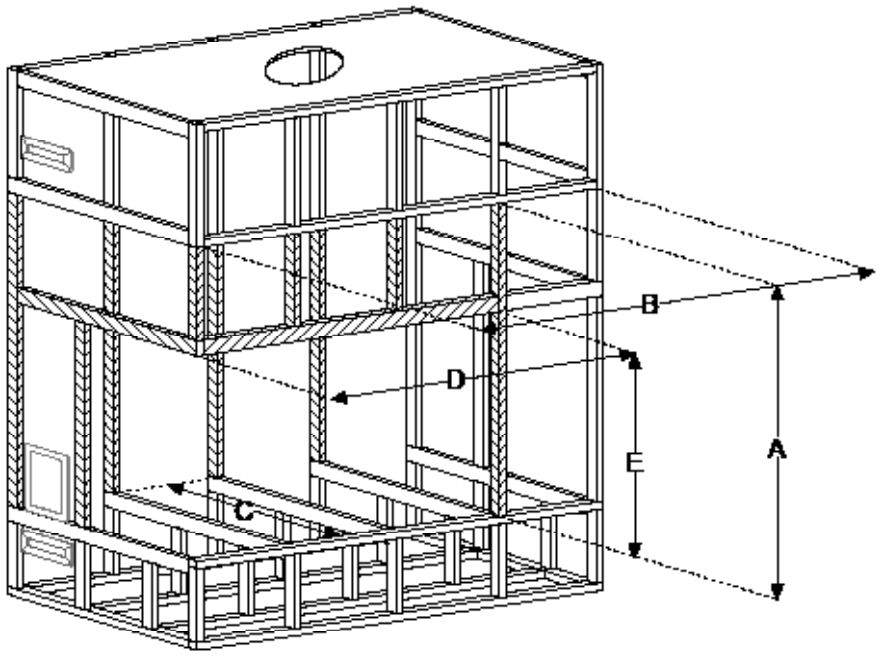
Extra notes:

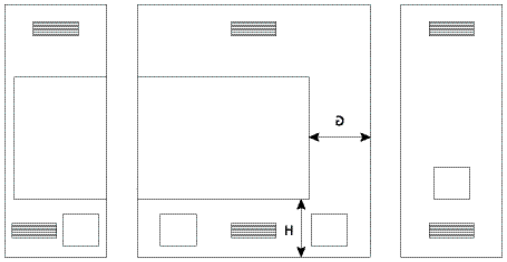
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1410GF2L CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
G*= 250mm
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm	Unit Depth +250mm to back	Unit Width +50mm to right hand metal stud	Unit Height +150mm top	Unit Depth + 88mm
H	W	D	A	B	C	D	E	C*
780	1458	345	1280	1708	595	1508	930	433

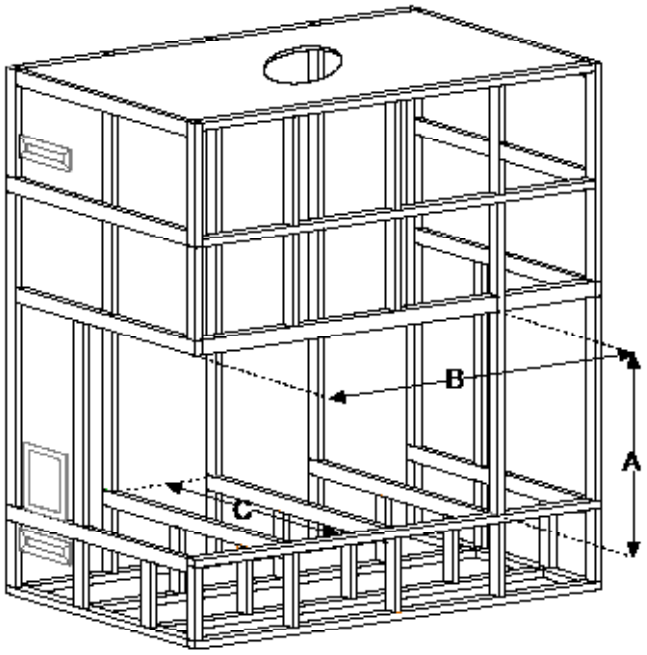
Extra notes:

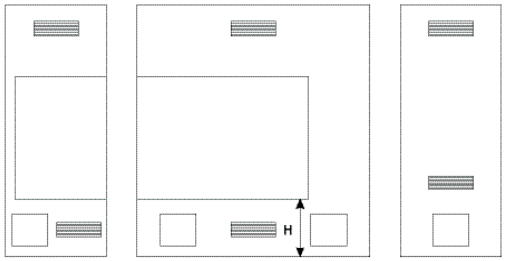
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1410GF2L CLEARANCES

METAL FRAME





Possible vent locations
4 minimum vents required for airflow
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +50mm top	Unit Width +150mm to inner side of left hand metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board +50mm air gap to unit
H	W	D	A	B	
780	1458	345	830	1608	433

Extra notes:

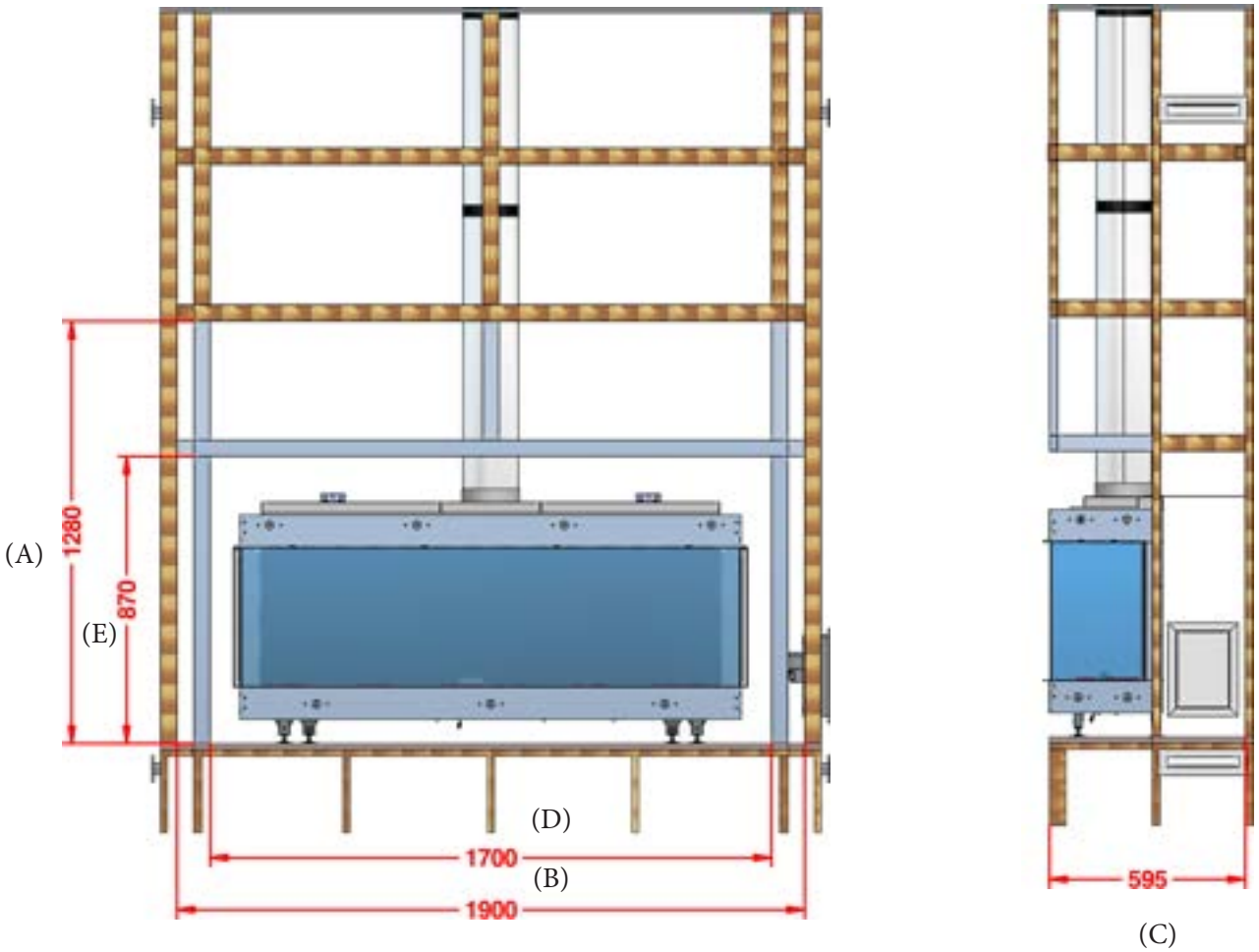
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

VUE 1410 BAY

TIMBER FRAME

Figure 1.8 (Timber framing)



CLEARANCE TO COMBUSTIBLES

Fireplace Dimensions			Timber Frame			Metal Studs Infills to be in-stalled after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +6mm Villa Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm each side	Unit Depth +250mm to back	Unit Width +150mm either side	Unit Height +90mm top	Unit Depth + 81mm
H	W	D	A	B	C	D	E	C*
780	1400	345	1280	1900	595	1700	870	426

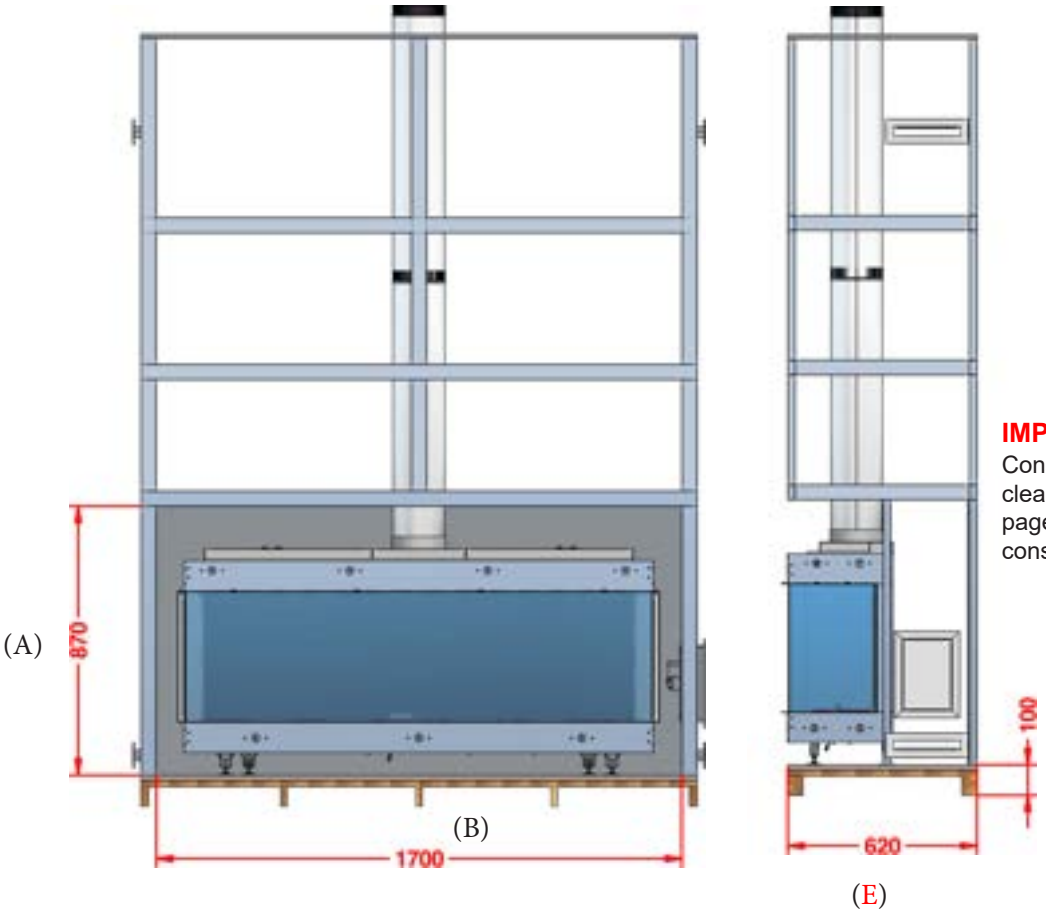
Note:

Please refer to Pg. 3 for specifications regarding Vents and pg. 5 for Control Panel specifications.
C* Please refer to Pg. 11 for pictorial representation and specifications.

VUE 1410 BAY

METAL FRAME - OPTION 2

Figure 1.8 (Metal framing)



IMPORTANT NOTE:
Consider Control Panel clearance dimensions on page 5; before constructing metal frame.

CLEARANCE TO COMBUSTIBLES

Fireplace Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +90mm top	Unit Width +150mm either side to internal side of metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +6mm Villa Board +244mm air gap to unit
H	W	D	A	B	**E**
780	1400	345	870	1700	620

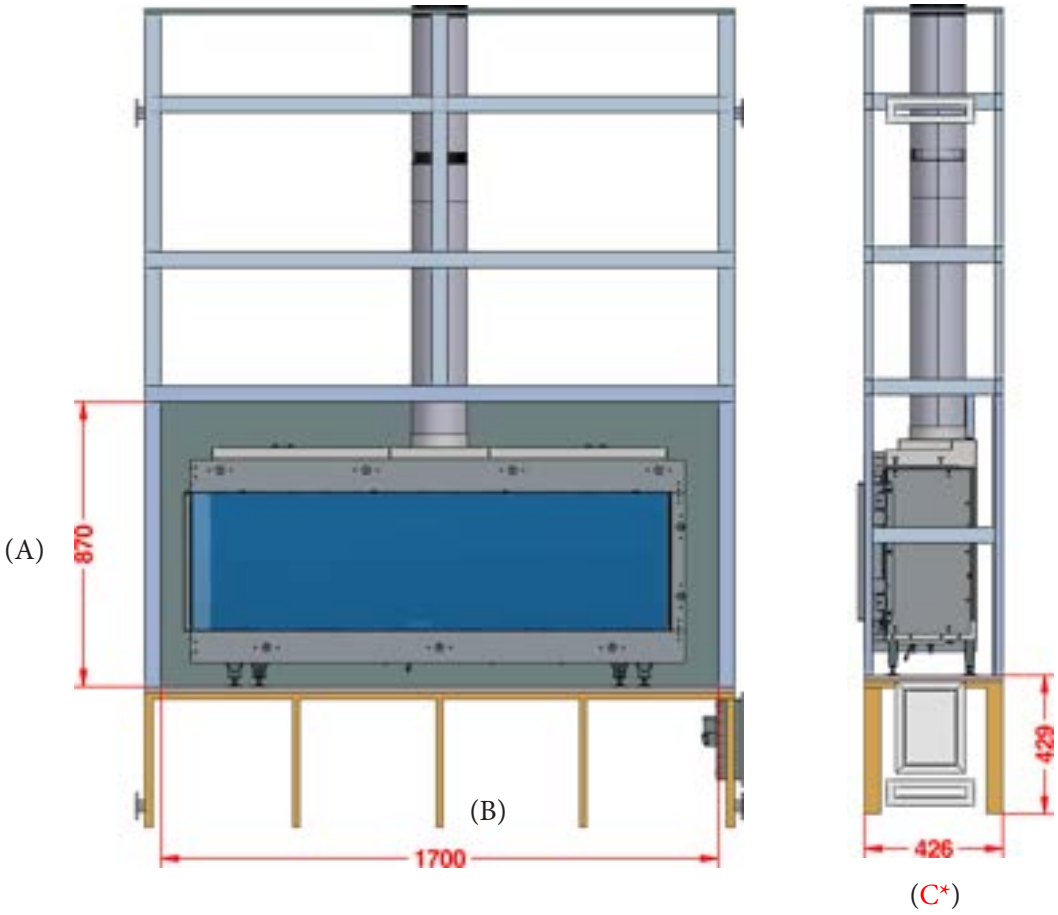
Important:
Unit needs to be in place while building into metal studs. Otherwise the measurements must be bigger.
The clearances to combustibles is 500mm to the top of the unit and 250mm on either side.

Note:
Please refer to Pg. 2 for specifications regarding Vents and pg. 4 for Control Panel specifications.

VUE 1410 LEFT SIDE GLASS OPEN GF2L

METAL FRAME

Figure 1.8 (Metal framing)



IMPORTANT NOTE:
Consider Control Panel clearance dimensions on page 5; before constructing metal frame.

CLEARANCE TO COMBUSTIBLES

Fireplace Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +90mm top	Unit Width +150mm either side to internal side of metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +6mm Villa Board +50mm air gap to unit
H	W	D	A	B	C*
780	1400	345	870	1700	426

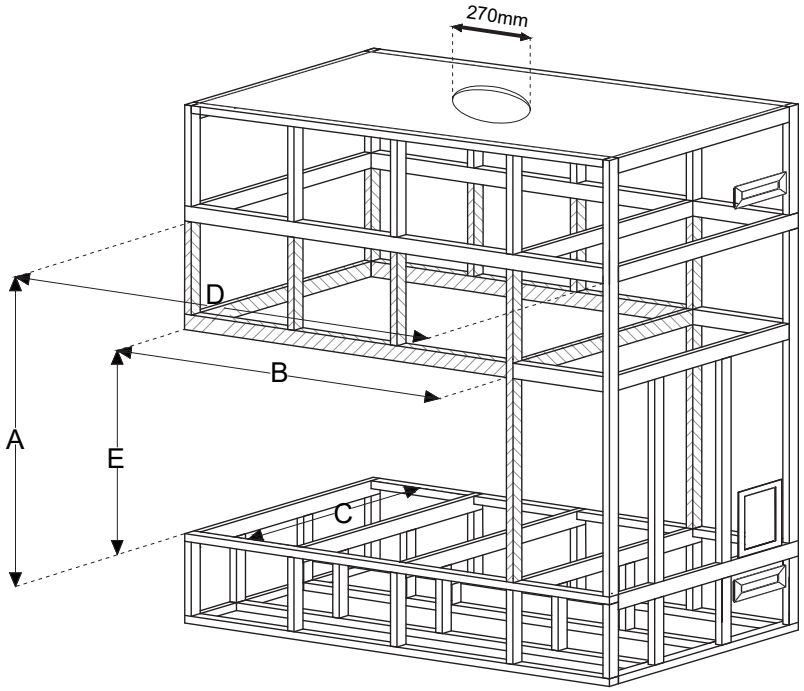
Important:
Unit needs to be in place while building into metal studs. Otherwise the measurements must be bigger. The clearances to combustibles is 500mm to the top of the unit and 250mm on either side.

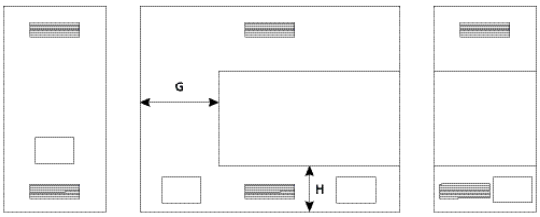
***If planning to install TV above the fireplace, please refer to metal framing Option 2.**

Note:
Please refer to Pg. 2 for specifications regarding Vents and pg. 4 for Control Panel specifications.

1410 RD CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
G*= 250mm
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill)	
In mm			Clearance to Combustibles in mm			Installation dimensions in mm	
			Unit Height +500mm top	Unit Width +250mm each side	Unit Depth +250mm to back	Unit Width +50mm either side	Unit Height +150mm top
H	W	D	A	B	C	D	E
850	1500	420	1350	2000	N/A	1600	1000

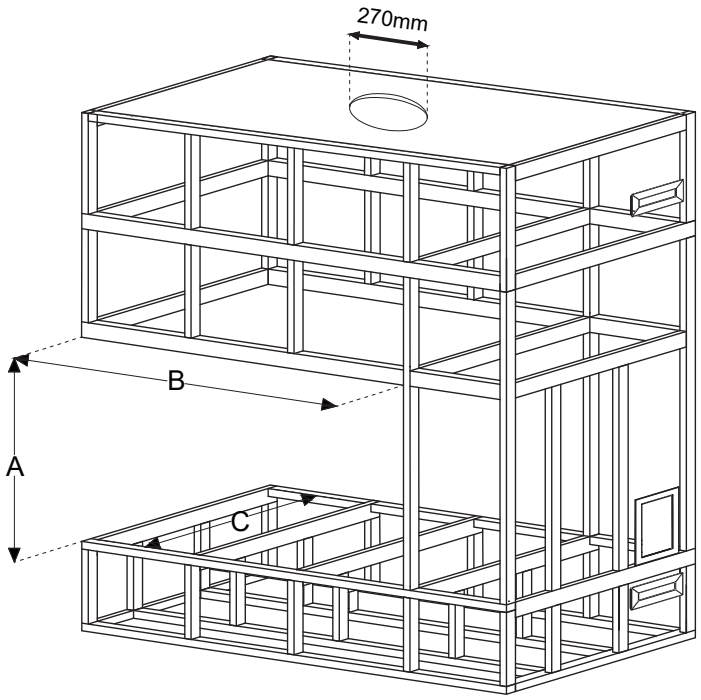
Extra notes:

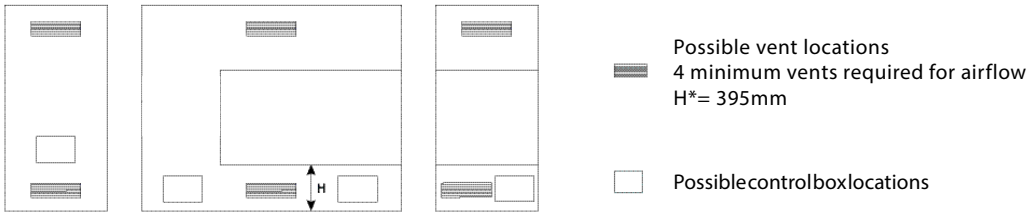
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1410 RD CLEARANCES

METAL FRAME





CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +50mm top	Unit Width +150mm either side to internal side of metal stud	Reduced Depth Clearance N/A for Tunnel Units Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board +50mm air gap to unit
H	W	D	A	B	C
850	1500	420	900	1800	N/A

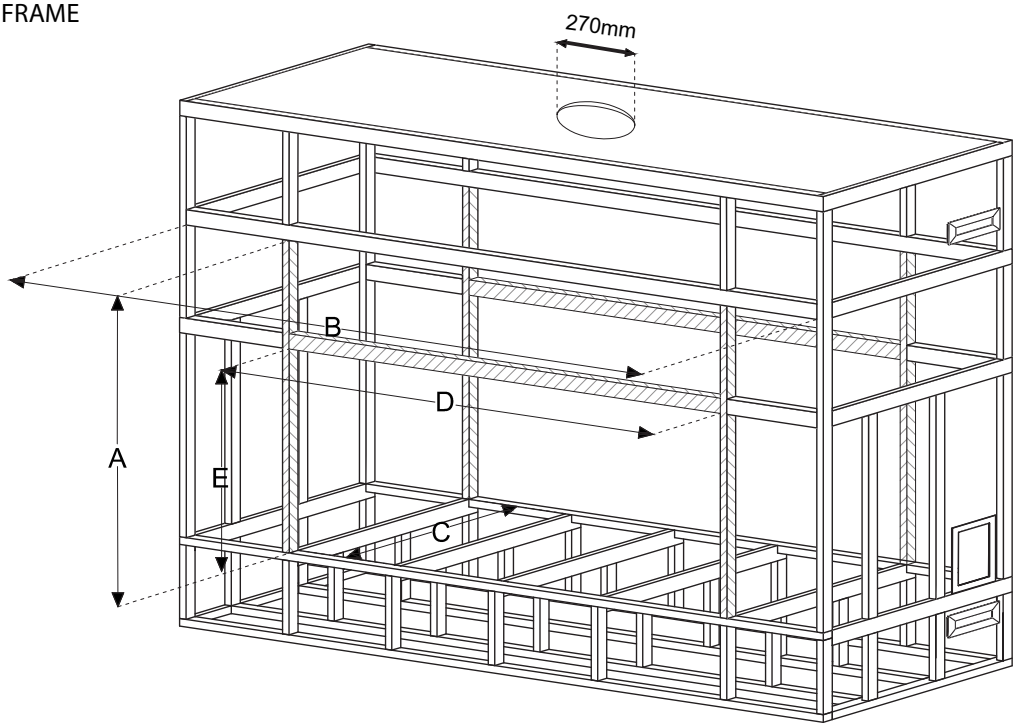
Extra notes:

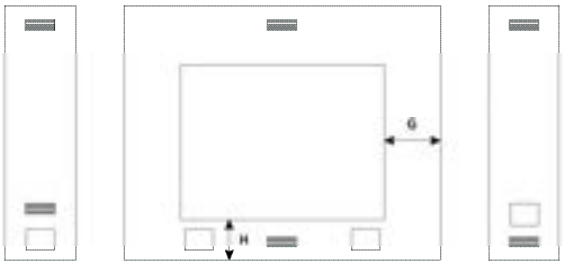
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1410 T CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
G*= 250mm
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm each side	Unit Depth +250mm to back	Unit Width +50mm either side	Unit Height +150mm top	Unit Depth + 88mm
H	W	D	A	B	C	D	E	C*
850	1500	420	1350	2000	N/A	1600	1000	N/A

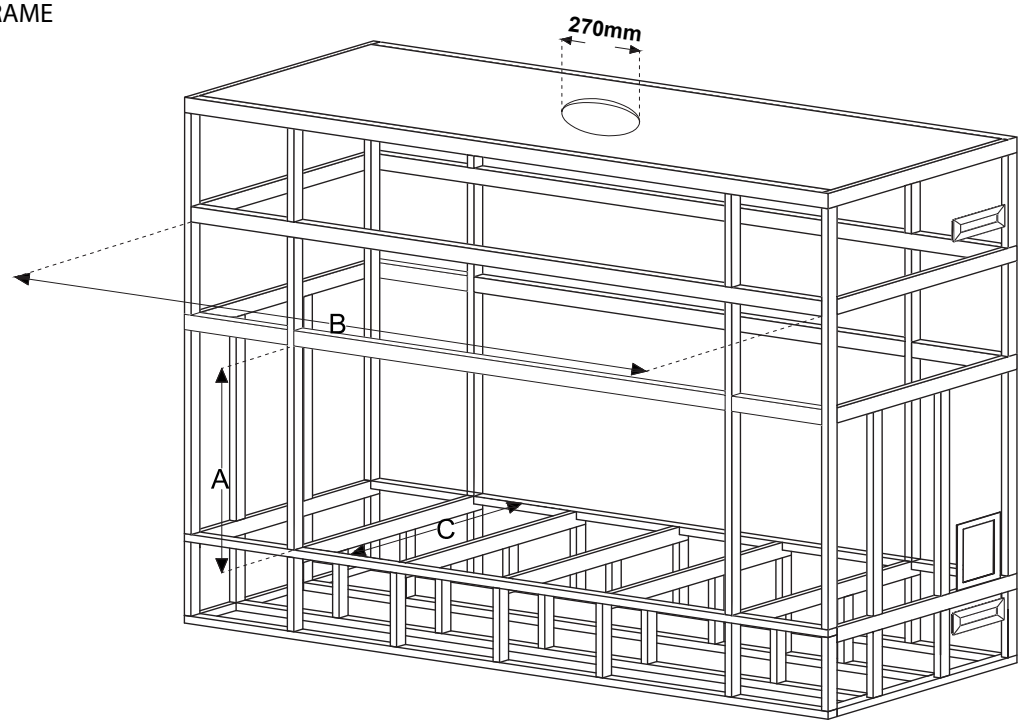
Extra notes:

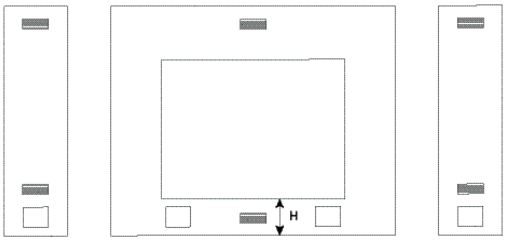
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1410 T CLEARANCES

METAL FRAME





Possible vent locations
4 minimum vents required for airflow
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +50mm top	Unit Width +150mm either side to internal side of metal stud	Reduced Depth Clearance N/A for Tunnel Units Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board +50mm air gap to unit
H	W	D	A	B	C
850	1500	420	900	1800	N/A

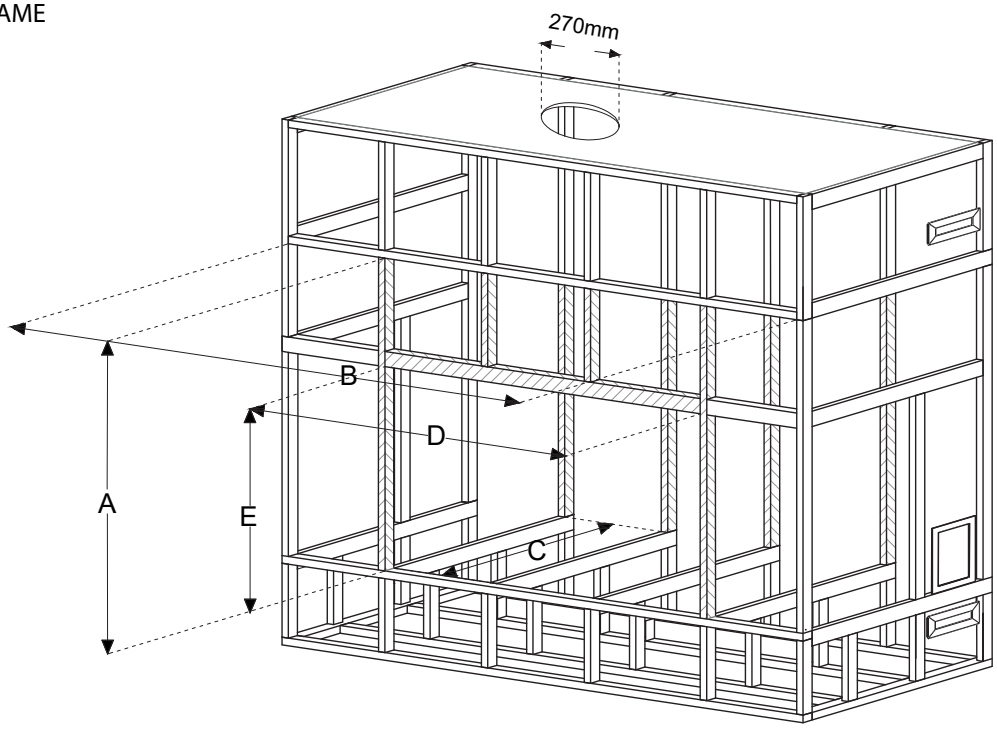
Extra notes:

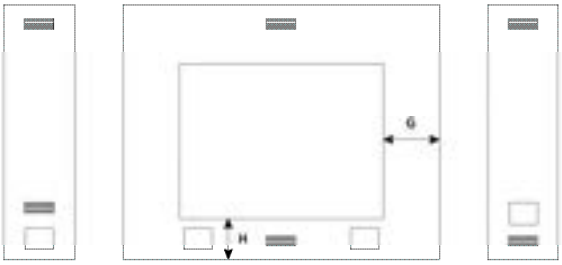
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1250GF CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
G*= 250mm
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Villa Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm each side	Unit Depth +250mm to back	Unit Width +50mm either side	Unit Height +150mm top	Unit Depth + 88mm
H	W	D	A	B	C	D	E	C*
665	1260	380	1165	1760	630	1360	815	468

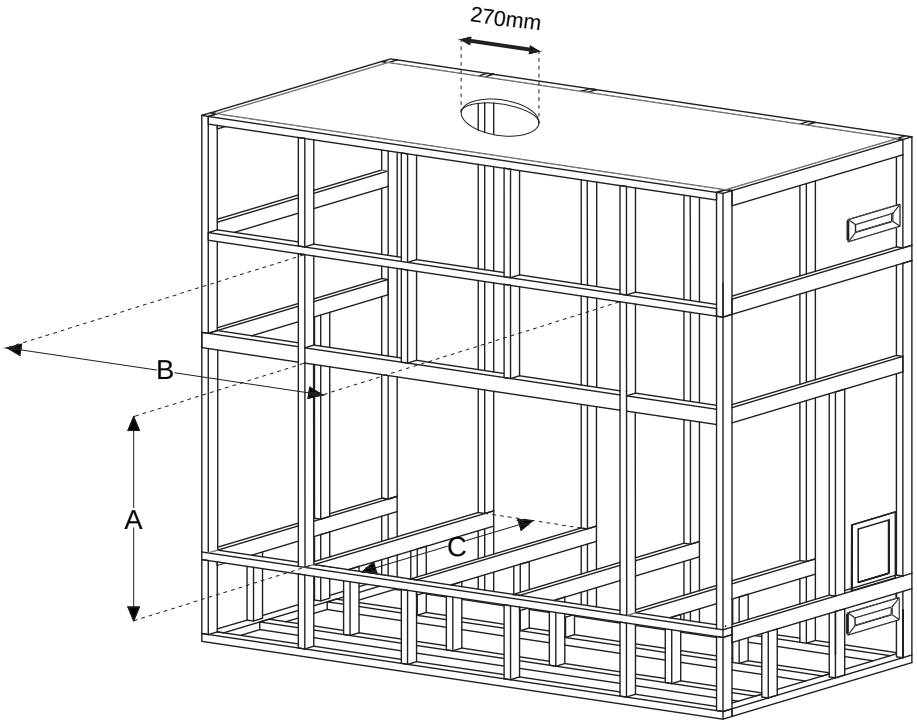
Extra notes:

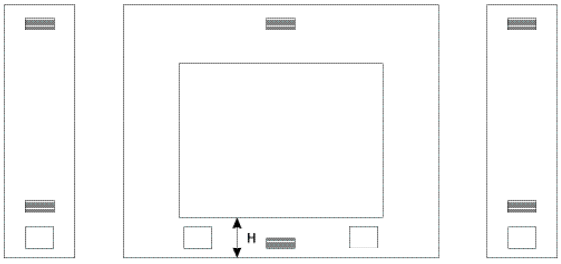
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1250GF CLEARANCES

METAL FRAME





Possible vent locations
4 minimum vents required for airflow
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +50mm top	Unit Width +150mm either side to internal side of metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board +50mm air gap to unit
H	W	D	A	B	C
665	1260	380	715	1560	468

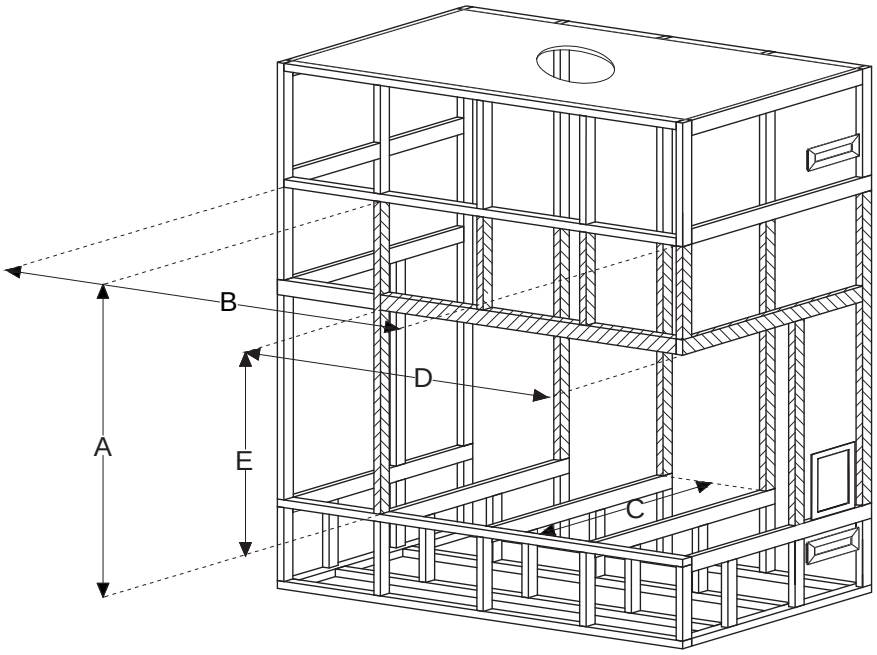
Extra notes:

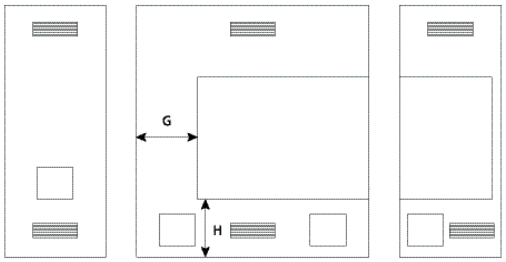
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1250 GF2R CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
G*= 250mm
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm	Unit Depth +250mm to back	Unit Width +50mm to left hand metal stud	Unit Height +150mm top	Unit Depth + 88mm
H	W	D	A	B	C	D	E	C*
665	1260	380	1165	1760	630	1360	815	468

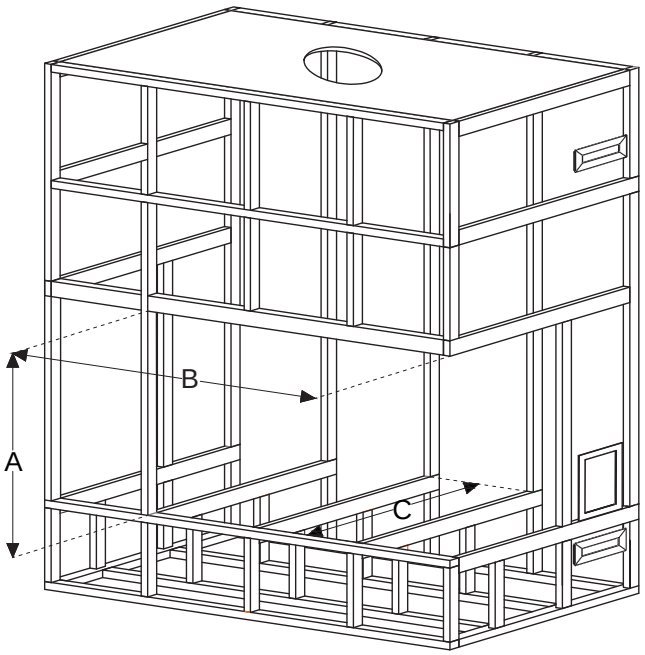
Extra notes:

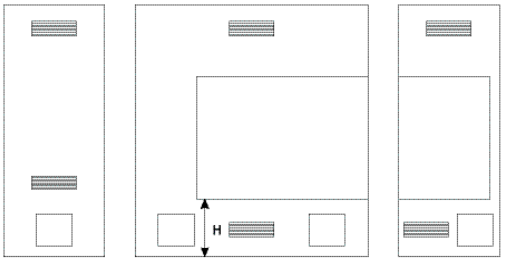
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1250 GF2R CLEARANCES

METAL FRAME





Possible vent locations
4 minimum vents required for airflow
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +50mm top	Unit Width +150mm to inner side of left hand metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board +50mm air gap to unit
H	W	D	A	B	
665	1260	380	715	1560	468

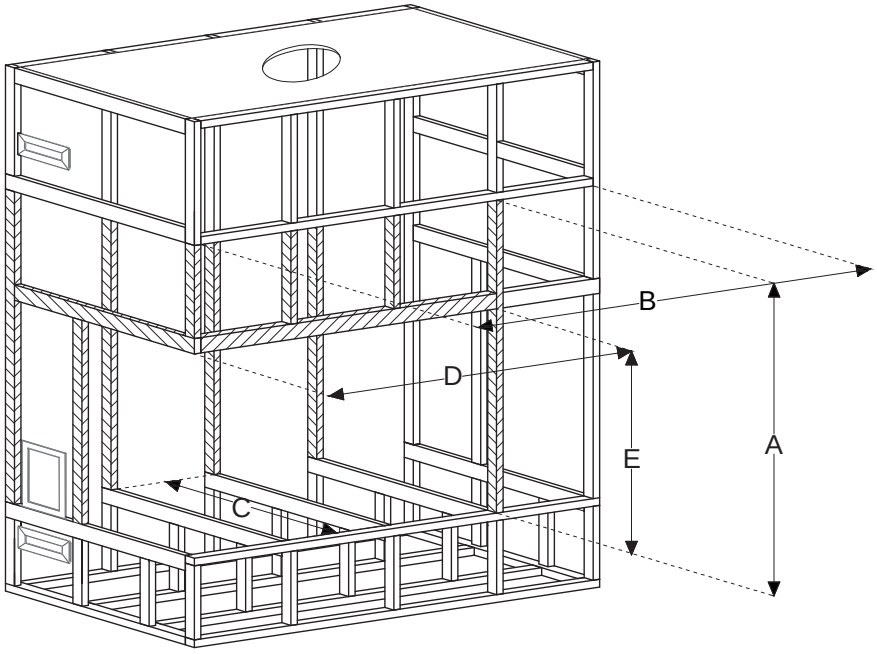
Extra notes:

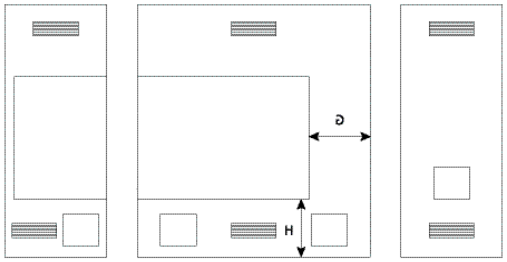
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1250 GF2L CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
G*= 250mm
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm	Unit Depth +250mm to back	Unit Width +50mm to right hand metal stud	Unit Height +150mm top	Unit Depth + 88mm
H	W	D	A	B	C	D	E	C*
665	1260	380	1165	1760	630	1360	815	468

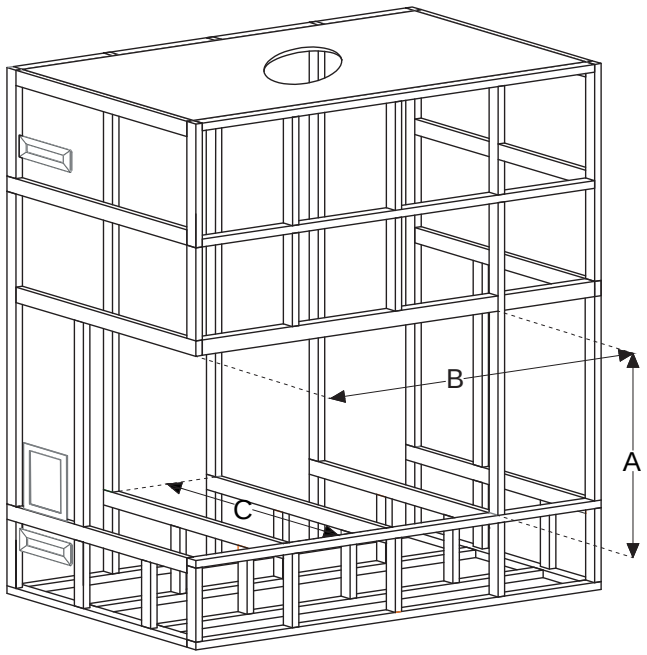
Extra notes:

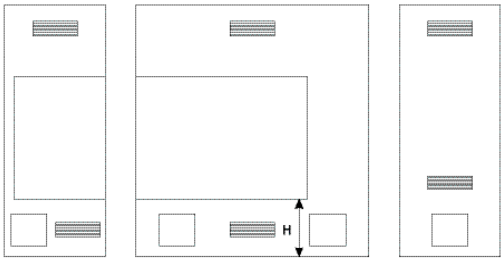
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1250 GF2L CLEARANCES

METAL FRAME





Possible vent locations
4 minimum vents required for airflow
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +50mm top	Unit Width +150mm to inner side of right hand metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board +50mm air gap to unit
H	W	D	A	B	
665	1260	380	715	1560	468

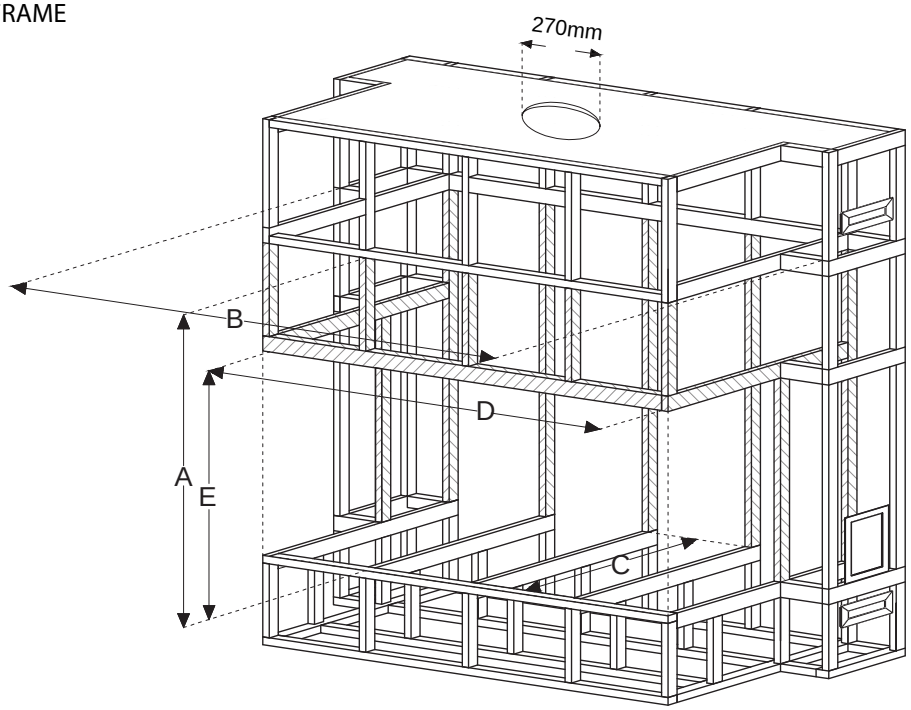
Extra notes:

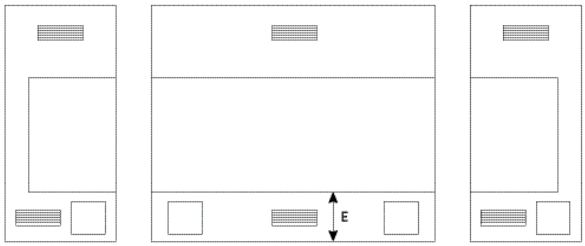
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

1250GF3 CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
E*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm each side	Unit Depth +250mm to back	Unit Width +50mm either side	Unit Height +150mm top	Unit Depth + 88mm
H	W	D	A	B	C	D	E	C*
665	1260	380	1165	1760	630	1360	815	468

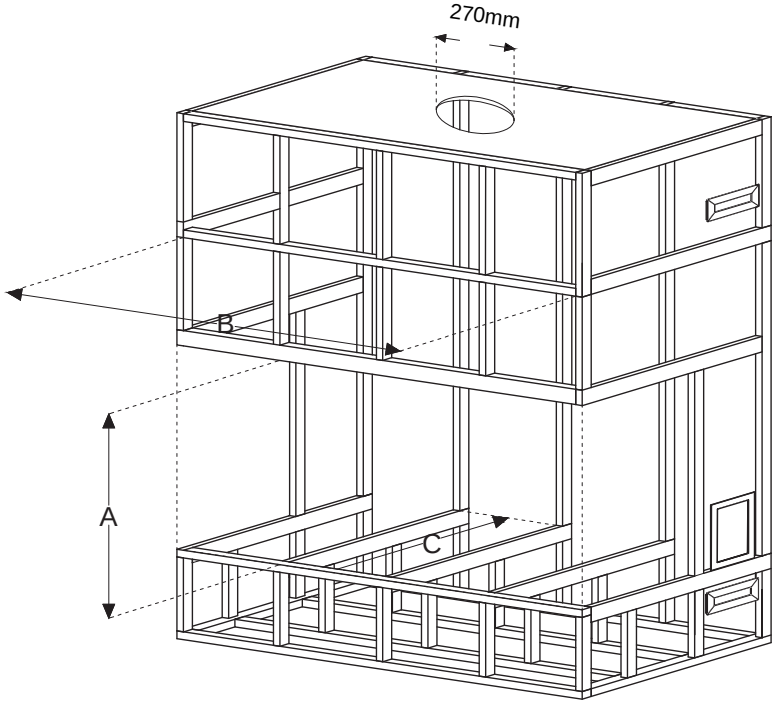
Extra notes:

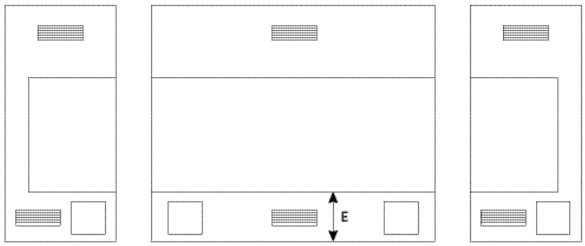
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

* E Minimum allowable framing height for bottom control box installation

1250GF3 CLEARANCES

METAL FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
E*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +50mm top	Unit Width +150mm either side to internal side of metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board +50mm air gap to unit
H	W	D	A	B	C
665	1260	380	715	1560	468

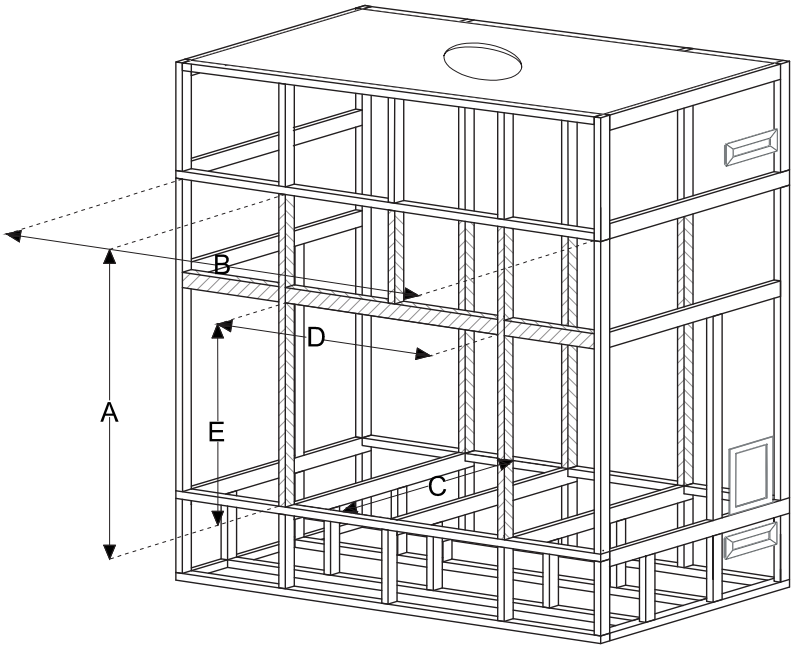
Extra notes:

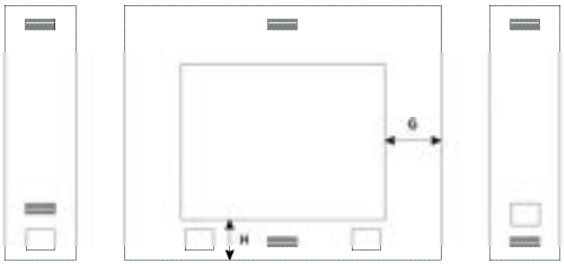
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

* E Minimum allowable framing height for bottom control box installation

800GF CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
G*= 250mm
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm each side	Unit Depth +250mm to back	Unit Width +50mm either side	Unit Height +150mm top	Unit Depth + 88mm
H	W	D	A	B	C	D	E	C*
990	1005	330	1490	1505	580	1105	1140	418

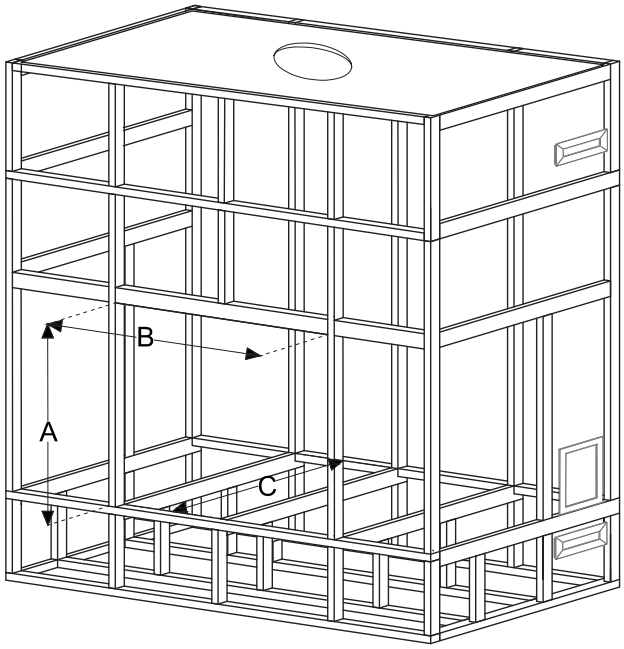
Extra notes:

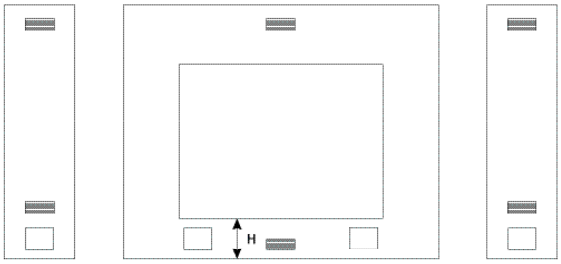
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

800GF CLEARANCES

METAL FRAME





Possible vent locations
4 minimum vents required for airflow
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +50mm top	Unit Width +150mm either side to internal side of metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board +50mm air gap to unit
H	W	D	A	B	C
990	1005	330	1040	1305	418

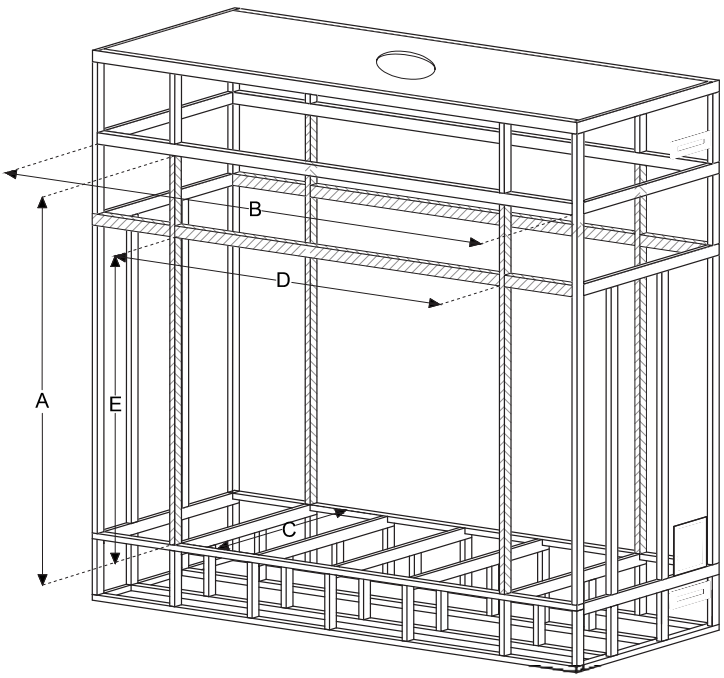
Extra notes:

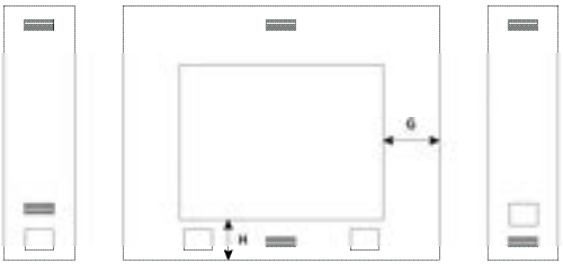
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

800T CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
G*= 250mm
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm each side	Unit Depth +250mm to back	Unit Width +50mm either side	Unit Height +150mm top	Unit Depth + 88mm
H	W	D	A	B	C	D	E	C*
990	1005	385	1490	1505	N/A	1105	1140	473

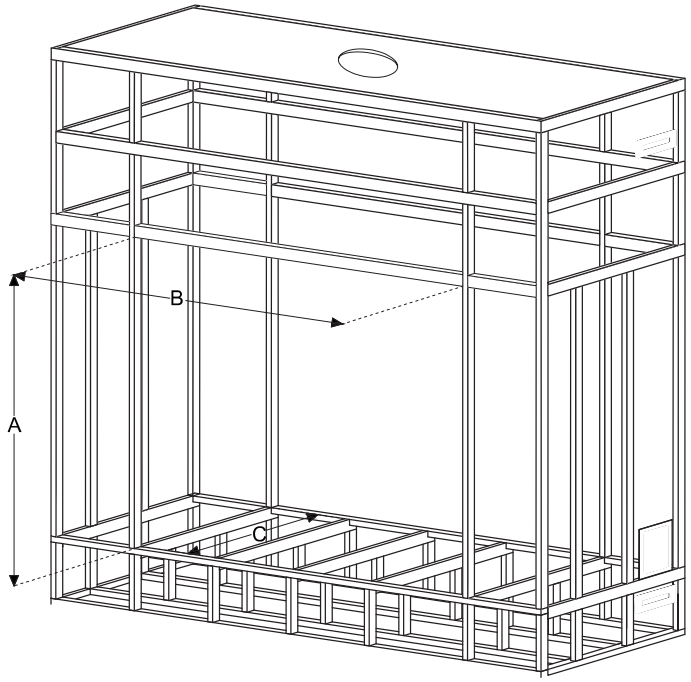
Extra notes:

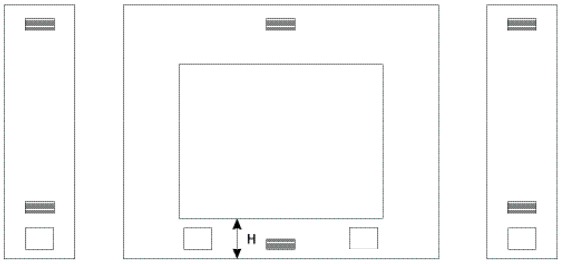
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

800T CLEARANCES

METAL FRAME





Possible vent locations
4 minimum vents required for airflow
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +50mm top	Unit Width +150mm either side to internal side of metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board +50mm air gap to unit
H	W	D	A	B	C
990	1005	385	1040	1305	473

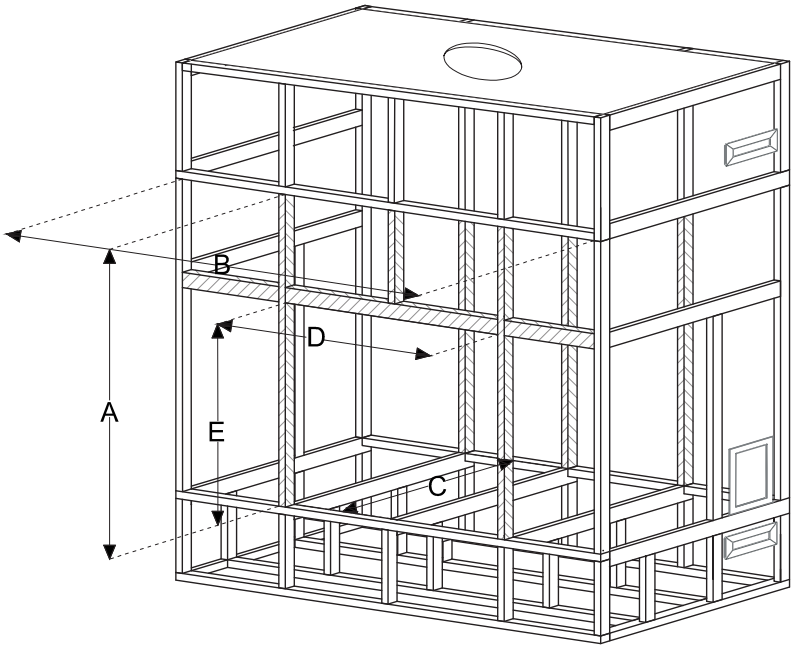
Extra notes:

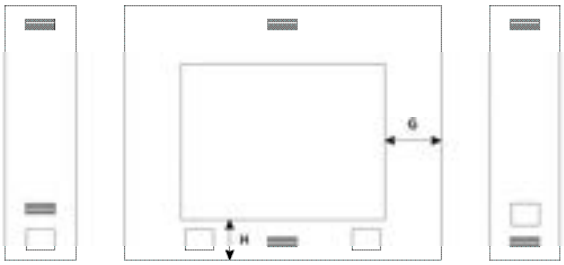
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

650GF CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
G*= 250mm
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm each side	Unit Depth +250mm to back	Unit Width +50mm either side	Unit Height +100mm top	Unit Depth + 88mm
H	W	D	A	B	C	D	E	C*
990	740	315	1490	1240	565	840	1090	403

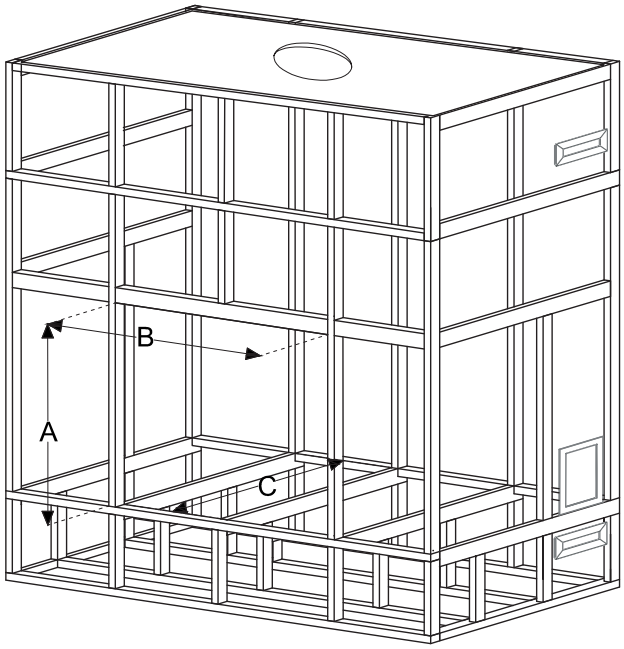
Extra notes:

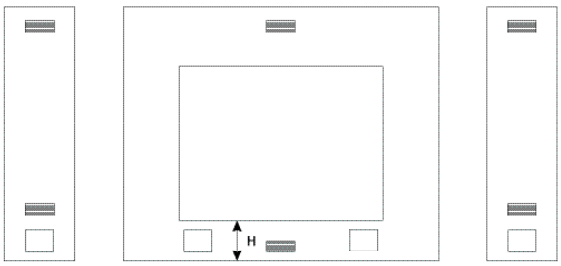
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

650GF CLEARANCES

METAL FRAME





Possible vent locations
4 minimum vents required for airflow
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions In mm			Metal Stud Frame (Minimum enclosure openings to internal side of metal stud)			Option for smaller clearnace: Metal studs fixed to rear combustible wall. (50mm clearance + 13mm Firestop Board + 25mm Steel Battens fixed to combustibel wall)
			Unit Height +50mm top	Unit Width +150mm either side to internal side of metal stud	Unit Depth +250mm to back to combustible	Unit Depth + 88mm
H	W	D	A	B	C	C*
990	740	315	1040	1040	565	403

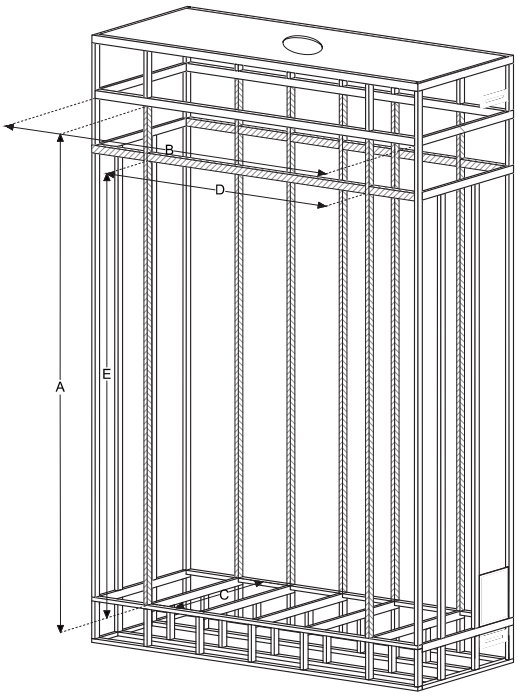
Extra notes:

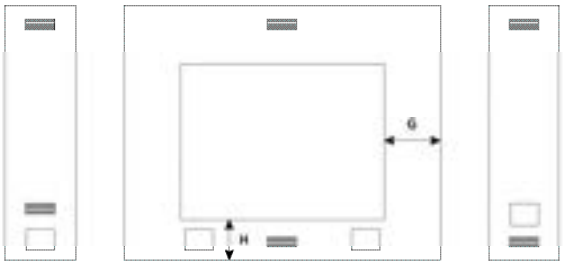
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, inline or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

ALTO GF CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
G*= 250mm
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill)		Option for smaller depth clearance: Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board + 50mm air gap to unit
In mm			Clearance to Combustibles in mm			Installation dimensions in mm		
			Unit Height +500mm top	Unit Width +250mm each side	Unit Depth +250mm to back	Unit Width +50mm either side	Unit Height +150mm top	Unit Depth + 88mm
H	W	D	A	B	C	D	E	C*

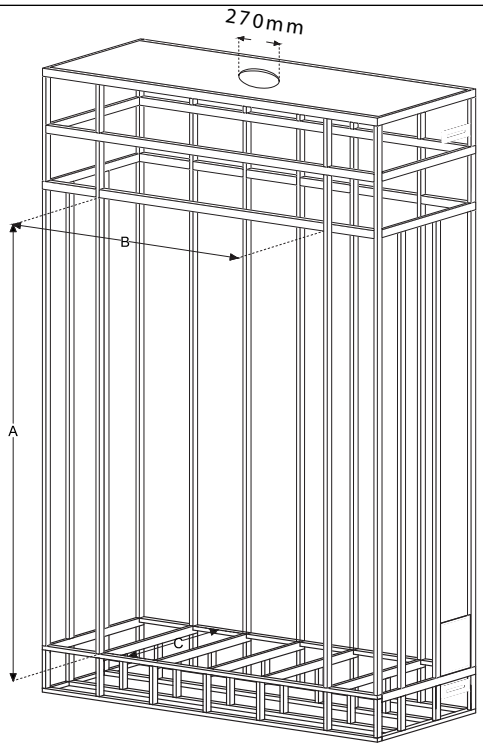
Extra notes:

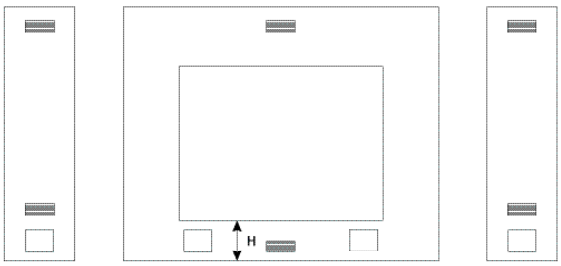
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

ALTO GF CLEARANCES

METAL FRAME





Possible vent locations
4 minimum vents required for airflow
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +50mm top	Unit Width +150mm either side to internal side of metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board +50mm air gap to unit
H	W	D	A	B	C
1911	880	380	1961	1180	468

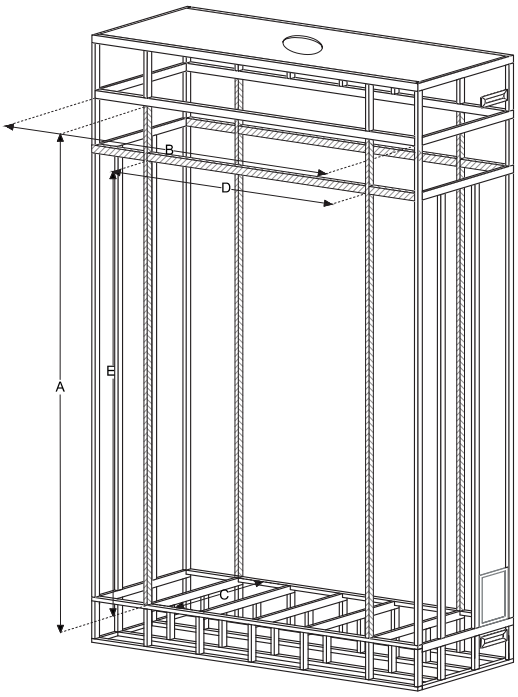
Extra notes:

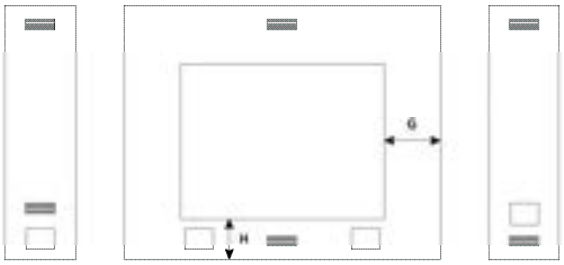
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

ALTO T CLEARANCES

TIMBER FRAME





Possible vent locations
2 minimum vents required, 4 vents for more efficient heat dispersion.
G*= 250mm
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Timber Frame			Metal Studs Infills to be installed after Unit is in place (Clearance between unit and metal stud infill = 50mm)	
In mm			Clearance to Combustibles in mm			Installation dimensions in mm	
			Unit Height +500mm top	Unit Width +250mm each side	Unit Depth +250mm to back	Unit Width +50mm either side	Unit Height +100mm top
H	W	D	A	B	C	D	E
1911	880	430	2411	1380	N/A	980	2011

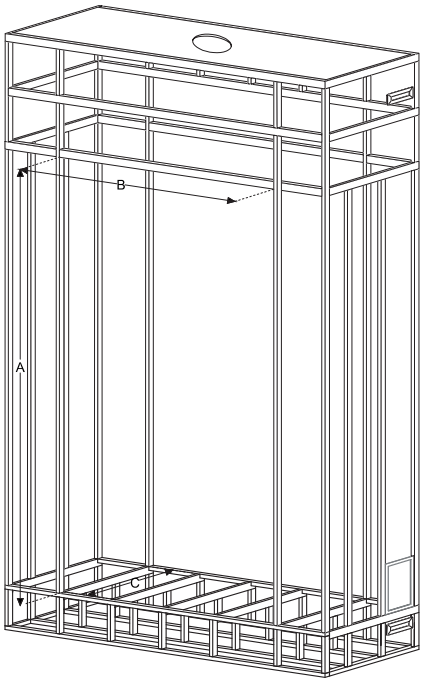
Extra notes:

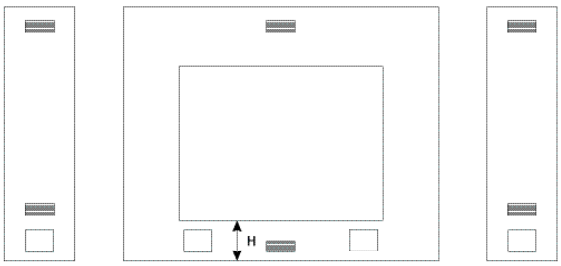
- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

ALTO T CLEARANCES

METAL FRAME





Possible vent locations
4 minimum vents required for airflow
H*= 395mm

Possible control box locations

CLEARANCE TO COMBUSTIBLES

Unit Dimensions			Metal Stud Frame FOR METAL STUD FRAME, UNIT MUST BE IN PLACE		
In mm			Clearance to the inside of the metal stud		
			Unit Height +50mm top	Unit Width +150mm either side to internal side of metal stud	Depth Clearance Metal Studs fixed to rear combustible wall. 25mm Steel Battens fixed to combustible wall +13mm Firestop Board +50mm air gap to unit
H	W	D	A	B	
1911	880	430	1961	1180	N/A

Extra notes:

- For timber frame installations the unit can be either floor mounted or mid mounted. However, for steel frame installations, the appliance must be mid mounted.
- Drawings above are for visual illustration purposes only. When the appliance is symmetrical you may choose to change the location of the control box or vents given you meet the minimum clearance requirements.
- For installations where the control box is below the appliance – to the side of the cavity, you may choose to install the vent below the control box (not shown in the drawings) given the appliance is raised high enough to allow the minimum clearances and there is adequate space for the vent.
- The external façade/surrounding of the timber/steel frame should be constructed with 9mm Villa board (minimum).

*G dimension is only applicable if the control box is installed to the side of the cavity, in line or above from the bottom of the appliance. Similarly, H dimension is only applicable if the control box is installed either directly below the appliance or below the appliance – to the side of the cavity

INSTALLATION INSTRUCTIONS

Firebox access, control hatch relocation and clearance spacer bracket installation

All Living Fire gas space heaters are double glazed for your protection and to maximise the luxury appearance. Carefully follow steps below to remove glass panels in order to access the firebox prior to media installation.

Removal/installation arrangements for glass panel/s. Common to all models.

Removal of control hatch from the transit bracket

Before commencing installation, confirm that the details on the heater data label correspond to the local distribution conditions, gas type and pressure for which the heater is to be installed. The data label (and other essential labelling) is adhered to the rear of the door of the control hatch.



Step 1: Remove the protective material from around the control hatch.
There are four transit screws (each side) securing the control hatch to the transit bracket. With a Phillips head screwdriver remove the 4 screws LH/RH side securing the control hatch to the transit bracket, Before, removing the last screw, support the bottom of the control hatch, remove the last screw, and lay the control hatch on the protective material to protect against damage to the powder coating.


Step 2: There are two bolts on each side securing the transit bracket to the chassis. With a 10 mm spanner or 10 mm nutsert remove the bolts from the bracket and discard. Ensure that the gas supply and supply pipe is capable of delivering the required volume and pressure of gas and is in accordance with AS/NZS 5601.1

1.1 Gas Connection: This heater has a gas inlet connection of 3/4" BSP with a flat for spanner engagement. The gas inlet connection is accessible via the control hatch. The fitment of a gas isolation valve prior to the gas inlet connection is recommended. Prior to connecting the gas inlet supply ensure the gas line is purged. With the control hatch surround in position and the hatch door removed – secured hatch surround flange onto the front face of the enclosure. The gas inlet connection is accessible below the gas control. Connect the incoming gas supply line onto the 3/4" BSP fitting whilst engaging a spanner onto the inlet connection flat. When the connection has been made check for gas tightness.

1.2 Gas (leakage) tightness check

With the heater gas valve in the 'OFF' position, check for leakage using a calibrated gas leak detector or by brushing a solution of detergent and water on to the gas connection point, isolation valve and connection at all points of the gas control. Repeat the leakage check with the heater operating. If bubbling is evident (may take up to 30 seconds to appear) this indicates a gas leak is present. If a leak is present disassembling, cleaning, reassembling, and tightening the connection does not rectify the leak you should isolate the gas supply and consult LIVING FIRE for assistance.

WARNING: YOU MUST NEVER USE A NAKED FLAME TO TEST FOR GAS LEAKS.

1.3 Heater location

The heater is room sealed appliance and the appliance stands on appropriate support legs. A hearth is not required for this heater. The heater when installed needs to be ventilated maintaining an opening giving a minimum total free vent area of 264cm2. Refer the Specification sheet supplied as an extension to this manual.

The heater has adjustable support legs. These legs must be set to the desired height before the flue position is finalized. Do not make any adjustments to the heater, except the leg height. The flue over the first 900 mm must maintain a minimum clearance of 50 mm between the outer flue surface and any surrounding combustible materials.

The gross weight of the heater is between 120kg for the ALTO and 70kg for the G650, Refer to the transit label for gas weight. The heater is located within the timber or steel frame and MUST NOT be screwed or secured to the frame in any manner. The heater during the heating cycle is to have some flexibility to counter-react to the expansion forces due to heat. If the heater is secured to the surrounding frame, the top of the heater may distort.

Building the enclosure to house the heater
Construct the studwork for the enclosure to the desired clearances. Minimum clearances are nominated refer pages 16, 17 and in the Specification sheet supplied as an extension to this manual.
Any combustible material used to construct the enclosure must not be closer than the minimum dimensions nominated refer pages 16, 17 and in the Specification sheet supplied as an extension to this manual.
These dimensions must be observed or a fire may result. Do not use insulating material (or other) to pack the void around or above the heater. Provide ventilation to the minimum dimensions as referred pages 16, 17 and in the Specification sheet supplied as an extension to this manual.

Installation of the control hatch in the RH/LH side enclosure;
Provide a cut-out for the control hatch in the RH/LH enclosure with dimensions of 180 mm wide x 282 mm high and 150 mm from the base (floor). The 150 mm dimension from the floor is to allow the ventilation duct to be installed beneath the control hatch.

Installation of the control hatch in the RH/LH front enclosure;
If the control hatch is installed in the front enclosure RH/LH side then the control hatch is installed 50 mm from the base (floor) and the ventilation ducts can be installed centre line or, in the RH/LH enclosure as referred pages 16, 17 and in the Specification sheet supplied as an extension to this manual.
If the control hatch is installed in the front enclosure RH/LH side the heater supporting feet need to rest on a platform that will allow the control hatch housing to be located beneath the bottom of the window frame. A measurement of 395 mm from the base (floor) to the underside of the bottom window lip must be maintained.

INSTALLATION INSTRUCTIONS

Removal of control hatch from the transit bracket

Step 1: Remove the protective material from around the control hatch.

Step 2: There are four screws (each side) securing the control hatch to the transit bracket. With a Phillips head screwdriver remove the 4 screws LH/RH side securing the control hatch to the transit bracket. Before removing the last screw, support the bottom of the control hatch, remove the last screw and lay the control hatch on the protective material to protect against damage to the power coating.

Step 3: Locate the transit bracket under the base of the heater. There are two bolts one each side securing the transit bracket to the chassis. With a 10 mm spanner or 10 mm nutsert remove the bolts from the bracket and discard. The transit bracket after removing the securing bolts can be pushed and accommodated under the base of the heater.

Fitment of the control hatch
The control hatch is in two parts, control hatch surround and control hatch door.
The control hatch enclosure is inclusive of the bracket which secures the gas control and module.

Control hatch enclosure
Provide a cut-out for the control hatch surround in the RH/LH side enclosure with dimensions of 175 mm wide x 282 mm high and 150 mm from the base (floor) or, the front enclosure RH/LH side then the control hatch is installed 50 mm from the base (floor).
Feed the top flange of the control hatch surround through the cut-out and when positioned vertically, secure the top flange to the RH enclosure with the two screws provided.
Fit the control hatch door and secure with the four thumb screws (tighten via 5mm Allan key) provided.

INSTALLATION INSTRUCTIONS

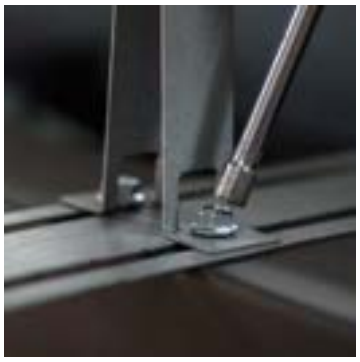
Control hatch door four x captured threads (2 on the base and 2 in the upper section) for thumb screws.
If a shelf is to be fitted above the heater opening, a gap of 300 mm minimum must be maintained between the heater opening and the shelf.
The heater MUST be installed ONLY by an Authorised (licenced/ registered plumber) Person.
The appliance (heater) shall be installed in accordance with the manufacturer's installation instructions, local gas fitting regulation, municipal building codes, electrical wiring regulations and AS/NZS 5601.1 (Gas installations). DO NOT INSTALL INTO A FIREPLACE.
The data label for the heater is located REAR OF THE CONTROL HATCH DOOR.
Fitment/adjustment of spacer brackets.
The heater is supplied with stand-off spacers to comply with all clearances required from combustible material. Note the metal framework to maintain a clearance of no less than 50 mm overhead clearance and 150 mm from the sides.
The top stand-off spacers maintain a clearance of 500 mm from any overhead material.

INSTALLATION INSTRUCTIONS

Fitment/adjustment of spacer brackets

The rear stand-off spacers maintain a clearance of 250 mm from combustible materials. The side stand-off spacers maintain a clearance of 250 mm from combustible materials.
The spacer brackets when adjusted maintains a gap between the carcass of the heater and any surrounding materials. Rear and side spacers are factory fitted (refer images)

Step 1: The top (x2) spacers are supplied separately. To fit the top spacer/s slacken the two bolts retaining the rear spacers. Adjust the rear spacers to the length to maintain the desired clearance i.e., 250 mm or 50 mm.
The 250 mm measurement is for clearance to combustible materials. The 50 mm clearance is for non-combustible materials in accordance with a 50 mm clearance from the rear of the appliance + USG Boral Firestop 13 mm thick fire-resistant plasterboard 13 mm + 25 mm steel batten before any combustible wall/stud. Refer pages 16, 17 and the Specification sheet supplied as an extension to this manual.

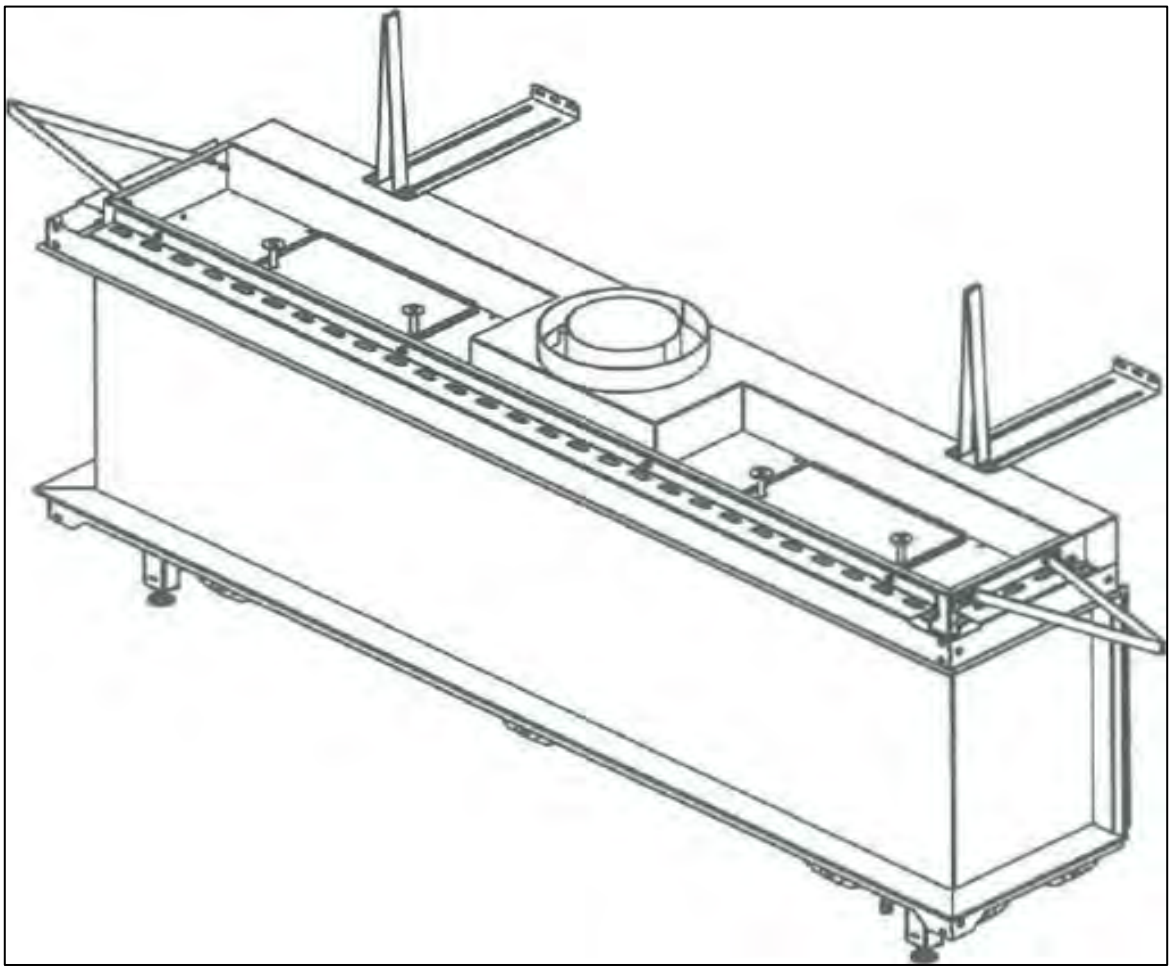


Step 2: With the top spacer in the vertical position insert the bottom flange of the top spacer onto the slackened off bolt head and tighten. Repeat so there are 2 x rear spacers and 2 x top spacers in position.

Step 3: To adjust the side spacer/s slacken the two bolts retaining the side spacers. Adjust the side spacers to the length to maintain the desired clearance 250 mm.

Fitment/adjustment of spacer brackets

Thespacerbracketswhenadjustedmaintainagapbetweenthecarcassoftheheaterandanysurroundingmaterials.Rear and side spacers are factory fitted (refer below images).



INSTALLATION INSTRUCTIONS

The heater MUST be installed ONLY by an Authorised (licenced/registered plumber) Person.
This heater shall in installed in accordance with the manufacturer's installation instructions, local gas fitting regulations, municipal building codes and AS/NZS 5601.1 (Gas Installations).

DO NOT INSTALL INTO A FIREPLACE
This heater is supplied with stand-off brackets to ensure adequate spacing from surroundings are observed; after installation do not remove. Please dispose of packaging accordingly. Keep away from children. Before connecting the heater, check whether the local connection conditions (type of gas) are compatible with the heater settings. The connection specifications for the heater are on the data label located rear of the control hatch door.

Warning:
Fire hazard is an extreme if clearance requirements to combustible materials are not adhered to.
Clearances. For the required minimum clearances refer to pages 16, 17 and the Specification sheet supplied as an extension to this manual.
Ensure the minimum clearances to combustible materials are maintained during installation, including adequate space for proper operation and servicing of the heater. It is the responsibility of the end user to check the installation clearances of any electrical appliances that may be mounted above the heater. Minimum ceiling height of 2.0m above top if heater.

Fluing to atmosphere.
The coaxial flue terminal can be utilized for both a horizontal and a vertical flue installation. The system is based on a concentric flue system which utilises an inner flue of 104 mm diameter and an outer flue of 170 mm diameter. These concentric flues terminate outside of the property.
The heaters in this manual are balanced flue units that use a co-axial venting flue system. The outer vent conducts fresh air (outside air) into the heater's firebox for the combustion process and the inner vent expels the (products of combustion) exhaust gases outside. This fluing system can be operated vertically terminating through the roof or horizontally through a side wall.

The flue must be fitted with a clearance around the outer surface of the flue pipe to maintain a clearance of 50 mm to any material over the first section (900 mm) of flue then maintain a clearance of 25 mm after the first 900 mm of flue pipe.

- The terminal will keep the combustion gases and the fresh air for combustion separate. It is important that the terminal is not blocked. A suitable guard may be required if the terminal is located at a "low level" (usually when the terminal is within 2.0m of floor level). The appliance must not be fitted against a rear wall constructed from a combustible material – a gap of 250 m must be maintained from the rear of the heater carcass and the rear combustible wall – this will be determined by fitting the rear stand-offs. If the appliance is located within a combustible construction then the construction must have adequate ventilation. The minimum total vent area is 260cm2.
- Only the flue components listed below are approved for use when installing the PAD series Gas Space Heaters.
- For every 305 mm of horizontal flue run, the flue must rise 6.5 mm toward the termination. The flue should never run downward.
- Whenever flue passes through a wall, an approved heat shield maintaining the prescribed clearances must be used.

PROHIBITED AREA FOR FLUE TERMINALS

REGULATORY COWL LOCATIONS

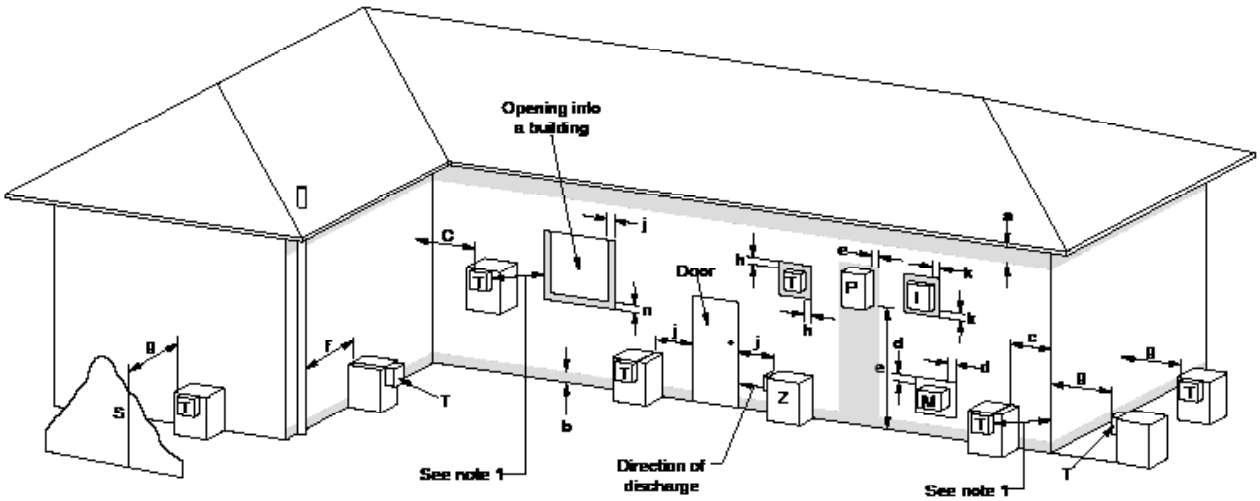


Figure 2.0 (Location of flue terminals of balanced flue, room-sealed, fan-assisted or outdoor appliances)

Ref.	Item	Minimum clearances mm	
		Natural draught	Fan assisted
a	Below eaves, balconies and other projections:		
	For appliances up to 50MJ/h input	300	200
	For appliances over 50MJ/h input	500	300
b	From the ground, above a balcony or other surface*	300	300
c	From a return wall or external cober*	500	300
d	From a gas meter (M) (see Note 5) (see Clause 5.11.5.9 for vent terminal location of regulator) (see Table 6.7 for New Zealand requirements)	1000	1000
e	From an electricity meter or fuse box (P)• (see Note 5)	500	500
f	From a drain pipe or soil pipe	150	75
g	Horizontally from any building structure* or obstruction facing a terminal	500	500
h	From any other flue terminal, cowl, or combustion air intake*	500	300
j	Horizontally from an openable window, door, non-mechanical air inlet, or any other opening inot a building with exception of sub-floor ventilation:		
	Appliances up to 150 MJ/h input*	500	300
	Appliances over 150 MJ/h input up to 200 MJ/h input*	1500	300
	Appliances over 200 MJ/h input up to 250 MJ/h input*	1500	500
	Appliances over 250 MJ/h input*	1500	1500
	All fan-assisted appliances, in the direction of discharge	-	1500
k	From a mechanical air inlet, including a spa blower	1500	1500
n	Vertically below an openable window, non-mechanical air inlet, or any other opening inot a building with the exception of sub-floor ventilation:		
	For space heaters up to 50 MJ/h input	150	150
	For other appliances up to 50 MJ/h input	500	500
	For appliances over 50 MJ/h input and up to 150MJ/h input	1000	1000
	For appliances over 150 Mj/h input	1500	1500

Legend:

I = Mechanical air inlet
M = Gas meter
P = Electricity meter or fuse box
S = Structure
T = Flue terminal
Z = Fan-assisted appliance only
Shading indicates prohibited area for flue terminals

Notes:

1) Where dimensions c, j, k cannot be acheived an equivalent horizontal distance measured diagonally from the nearest discharge point of the terminal to the opening may be deemed by the Technical Regulator to comply.
2) See Clause 6.9.4 for restrictions on a flue terminal under a covered area.
3) See Figure J3 (from AS/NZS 5601) for minimum clearances required from a flue terminal to an LPG Gas cylinder. A flue terminal is considered to be a source of ignition.
4) For minimum clearances not addressed above acceptance should be obtained from the Technical Regulator.
5) Minimum clearances d and e also apply to any combustion air intake openings of appliances.

* Unless appliance is certified for closer installation
• Prohibited area below electricity meter or fuse box extends to ground level

FLUEING INFORMATION

Flue Components for Installing PAD series Gas Space Heaters.
Manufacturer: DuraVent

Flue Component	Part Number
Termination cap	46DVA-VCH
900 mm flue length	46DVA-36
600 mm flue length	46DVA-24
300 mm flue length	46DVA-12
150 mm flue length	46DVA-06
90° elbow	46DVA-E90
45° elbow	46DVA-445

Theflueiscoaxialwiththefirstflueductsectioninsertedintotheheaterspigotwiththisspigotmeasuring104mm (exhaust outlet) and 174 mm (fresh air inlet).
All flue lengths are capable of being inserted into the heater spigot

The first flue duct section inserted into the heater spigot with measurements of O.D. 102 mm x 170 mm.

The"socket"endoftheflueductmeasuresO.D.111mmx 164 mm.

Lineupthelockingendsonthemale/femalefluesections and insert the male end of the flue into the female end. Twisttolock.Ifsecuringthejointswithrivet/sorscrew/sdo not penetrate the inner wall of the flue pipe.

FLUEING INFORMATION

90° elbow

45° bend

Elbows and bends create resistance within the venting configuration, and they must be included when determining the minimum and maximum fluing lengths. There must be an absolute minimum vertical rise of 600 mm before any elbow but preferably a vertical rise of 900 mm is recommended. Maintain the maximum length of straight flue between elbows or bends.

The use of a 90° elbow is equal to 0.5 metres in flue length and the 45° bend is equal to 0.25 metres in flue length i.e., if one 90° elbow is used then the total maximum flue length is reduced to 5.5 metres.

No more than two (2) 90° elbows or four (4) 45° bends can be used in the flue configuration.

Termination cap. The same basic termination (cowl) cap is used for both vertical and horizontal installations. For the vertical installation the terminal is fitted with a wind guard. For horizontal installation the terminal is not fitted with a wind guard.

30 mm down from the hood. Note: THIS TERMINAL MUST ALWAYS VENT DIRECTLY TO OUTDOORS.

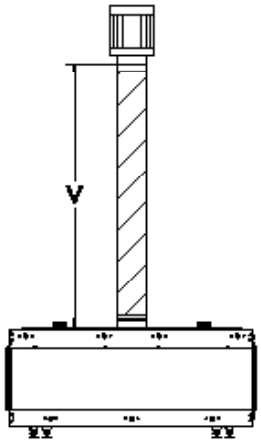
FLUEING INFORMATION

Termination heights for terminal (cowls) above the roof line refer AS/NZS 5601.1:2013.

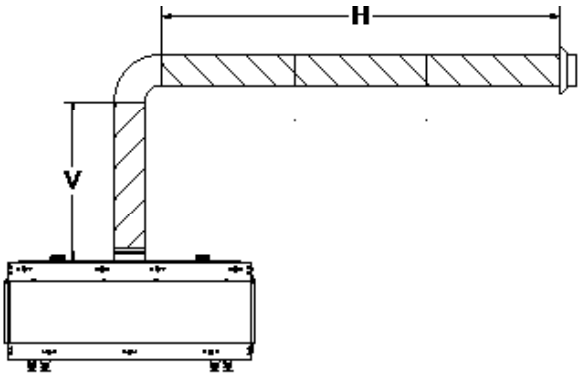
Flue Length Calculations

Maximum permissible run (H) – 6.0m
Maximum permissible run (H + V) <6.0m
Special consideration model G1410 (H + V) 7.3m

1. Straight Vertical. The maximum vertical distance is 6 metres.



2. Standard Horizontal



Vertical (V)	Horizontal (H)
900mm	4600mm
1800mm	3700mm
2700mm	2800mm
3600mm	1900mm

INSTALLER INFORMATION

INSTALLING THE CONTROLS

Motor Installation
This procedure is to be followed for the installation of the Motor Unit, which must be fitted to use all remote control options, except the Fully Electronic Ignition System which has the motor built in.
Remove the retaining screw, (Figire 1) and by using the blade of a small scredriver, pry off the cover (opposite end if the civer to the screw) (Figure 2).

FIGURE 1

FIGURE 2

Turn the geared knob fully counterclockwise to the end stop position. Place the motor unit into position as shown shown in Figure 3. The motor should fit into location and sit in place with the gear mating with the teeth of the geared knob.

FIGURE 3

Replace the Plastic cover and replace the retaining screw (without the metal sleeve around the screw), this retains both the cover and the motor.
The Control valve is now ready to be fitted with the simple up/down control system.

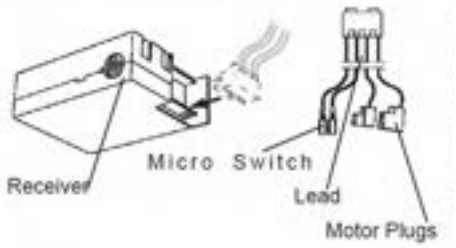
Simple Version Up and Lower control only
This requires no external electrical power to operate. The receiver unit has a unit that has only one lead. This lead has two plugs (of different sizes), these will plug into the two spade plugs on the front of the Gas Control unit.
Install the batteries into the receiver and the handset, these will be 4x1.5VAA alkaline and 9VPP3 alkaline respectively.
This Receiver/Handset works using sound waves, and as such no direct line of sight is required between the two items. Provided that the distance between the receiver and handset is less than 10m, the system will work.
The receiver unit can be hidden away under or behind the stove, ensure that the receiver is located in an area that has a temperature below 60°C, and that the customer knows where the receiver is for future battery replacement. Check the system.

INSTALLER INFORMATION

INSTALLING THE CONTROLS

Micro Switch Installation
This procedure is to be followed for the installation of the Micro Switch required for the "Climate Control System", the micro switch not being required for the "Simple" version.
The Micro Switch fits onto the Plastic Cover of the valve, sitting on a location lug moulded into the cover a self trapping screw is provided to fix the switch in location.
Assuming the motor has already been fitted, as shown below, the Control valve is now ready to be fitted with the Climate Control System.

Climate Control System
This requires no external electrical power to operate. The receiver unit has a unit that has only one lead. This lead has four plugs (two larger plugs of different sizes and two plugs the same size). The two larger plugs fit onto the two spade plugs on the top of the Gas Control unit, the orientation of these plugs is important. The two smaller plugs fit on to the small spade connectores on the side of the control unit.
Install the batteries into the receiver and the handset; these will be 4x1.5V AA alkaline and 9V PP3 alkaline respectively.



This Reciever/Handset works using sound waves, and as such no direct line of sight is required between the receiver and handset is less than 10m, the system will work.
The receiver unit can be hidden away under or behind the stove, ensure that the receiver is located in an area that has a temperature below 60°C, and that the customer knows where the receiver is for future battery replacement. Check the system.

Electronic Ignition System
This requires no external electrical power to operate. The receiver unit has a unit that has only one lead. This lead has one single plug. This plug fits into the connector block on the front of the Gas Control unit, the orientation of this plug is important. Install the batteries into the receiver and the handset; these will be 4x1.5V AA alkaline and 9V PP3 alkaline respectively.
This Receiver/Handset works radio frequency, and as such no direct line of sight is required between the two items. Provided that the distance between the receiver and handset is less than 10m, the system will work.
The RF remote is preset to a unique code that, if necessary, can be easily changed in the remote handset.

INSTALLER INFORMATION

Electronic Ignition System (Contd.)
A four-position DIP switch enables any of 16 pre-selected codes. Pressing the switch on the receiver activates the new code.
The receiver unit can be hidden away under or behind the stove, ensure that the receiver is located in an area that has a temperature below 60°C, and that the customer knows where the receiver is for future battery replacement. Check the system.

INSTALLER INFORMATION

OUTER GLASS INSTALLATION

The outer glass panel is supplied and protected in bubble wrap. For the GF model there is one piece of outer front toughened glass panel (dimensions of 1240 x 375 mm x 4 mm thick) provided. For the GF3 model there are three pieces of outer toughened glass panels made up of one outer front (dimensions of 1382 x 375 mm x 4 mm thick) and two outer side panels (dimensions of 312 x 375 mm x 4 mm thick). For the corner GF2L model there are two pieces of outer toughened glass panels made up of one outer front (dimensions of 1323 x 375 mm x 4 mm thick) and one outer side panels (dimensions of 312 x 375 mm x 4 mm thick).
Wearing the gloves provided remove the glass from the bubble wrap and locate in a safe place. Do not touch the glass with bare hands. Clean the front glass before installation.
The glass suction pad and the gloves are located in the accessory carton.

Step 1: Removing outer side trim. Grip the trim and apply an upward motion to disengage the securing tabs from the slots in the inner trim. When the tabs are clear of the slots, remove the outer trim both sides.

Step 2: Remove the outer glass panel from the bubble wrap. Lay the glass down horizontally on the supporting surface and apply the glass suction pad (provided) to the centre of the glass and engage.

INSTALLER INFORMATION

OUTER GLASS INSTALLATION

Step 3: With the glass in the horizontal position. With one hand holding the glass pad and the other hand gripping the centre edge of the glass. Lift and proceed to locate onto the heater front. With the glass supported and with an upward motion feed the top edge of the glass under the top front fascia. When located fully into the top inner fascia swing the bottom of the glass into the bottom fascia and when in alignment, locate into the bottom supporting channel. Replace the outer side trim in reverse order.

Step 4: For models with the side glass remove the outer rear side trim. Grip the trim and apply an upward motion to disengage the securing tabs from the slots in the inner trim. When the tabs are clear of the slots. For model GF3 remove the outer trim both sides.

Apply the glass suction pad (provided) to the centre of the glass and engage. With the glass supported and with an upward motion feed the top edge of the glass under the top front fascia. When located fully into the top inner fascia swing the bottom of the glass into the bottom fascia and when in alignment, locate into the bottom supporting channel. Replace the outer side trim in reverse order.

INSTALLER INFORMATION

REMOVAL OF OUTER GLASS PANELS

Step 1: With the glass in the horizontal Wearing the gloves provided apply the glass suction pad (provided) to the centre of the glass and engage.

Step 2: Removing outer side trim. Grip the trim and apply an upward motion to disengage the securing tabs from the slots in the inner trim. When the tabs are clear of the slots, remove the outer trim both sides (GF and GF3 model) For the GF2L model remove outer trim from the Left-Hand side.

Step 3: With one hand holding the glass pad, with an upward motion lift the top of the glass until engaging with the top of the inner fascia. The bottom of the glass is now clear of the bottom supporting channel. Swing the bottom of the glass outward with one hand holding the glass pad and the other hand gripping the bottom centre edge of the glass.

Step 4: Lay the glass down on a protected surface and retain with the outer trims. lower front. Note do not discard the outer trims with the packaging..

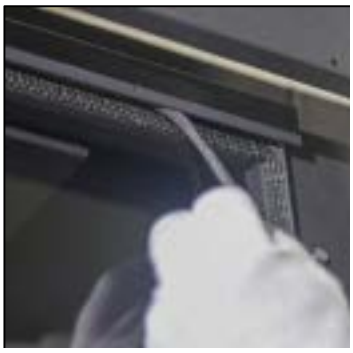
Step 5: For models with the side glass. With the outer front glass panel and trims removed. With one hand holding the glass pad, with an upward motion lift the top of the glass until engaging with the top of the inner fascia. The bottom of the glass is now clear of the bottom supporting channel. Swing the bottom of the glass outward with one hand holding the glass pad and the other hand gripping the bottom centre edge of the glass. Remove the glass panel and retain in a safe place.

INSTALLER INFORMATION

REMOVAL THE INNER FRONT GLASS PANEL

Step 1: Remove the lower front grill which is located between the outer/inner glasses.

Step 2: For the GF model remove the Right Hand and Left Hand glass clamps (oner per side) that secure the inner glass onto the front of the firebox.



Step 3: The inner glass is secured into the top glass clamp and inner bottom supporting channel by rope seal. Grip the RH edge of the rope and apply downward motion to remove the rope from the top glass clamp. Repeat the same with the bottom supporting channel rope with an upward motion.

Apply the glass suction pad (provided) to the centre of the glass and engage. To protect the edge of the glass insert a couple of soft cloths into the cavity before removing the glass panel. With the glass supported and with an upward motion lift the top edge of the glass upward into the top front fascia. When located fully into the top inner fascia swing the bottom of the glass outward and downward and rest in the cavity vacant after the removal of the lower front grill.
Remove the glass and retain in a safe place.
Replace in reverse order. Note ensure the glass sealing rope is fully engaged into the channel.

INSTALLER INFORMATION

REMOVAL THE INNER SIDE GLASS PANEL

Step 1: move the lower front grill which is located between the outer/inner glasses.

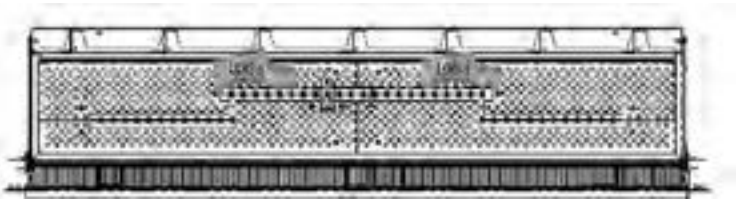
Step 2: The inner side glass is secured into the top, side and inner bottom supporting channel by rope seal. Grip the front edge of the rope and apply upward motion to remove the rope from the channel.

Step 3: Apply the glass suction pad (provided) to the centre of the glass and engage. To protect the edge of the glass insert a couple of soft cloths into the cavity before removing the glass panel.
With the glass supported and with an upward motion lift the top edge of the glass upward into the top front fascia. When located fully into the top inner fascia swing the bottom of the glass outward and downward and rest in the cavity vacant after the removal of the lower front grill.
Remove the glass and retain in a safe place.
Replace in reverse order. Note ensure the glass sealing rope is fully engaged into the channel and ensure the surface where the suction pad was applied is cleaned to remove any marks or smears.

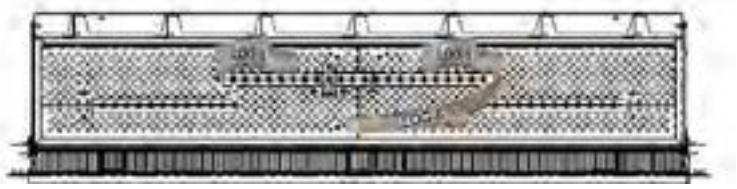
BURNER MEDIA SET UP- VUE 1410 RANGE

Please follow the steps below to place burner media inside the firebox.

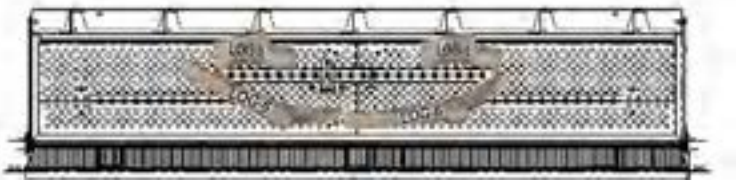
You will find logs shown below in your media box. Follow Step 1-16 to place the burner media correctly in your firebox.



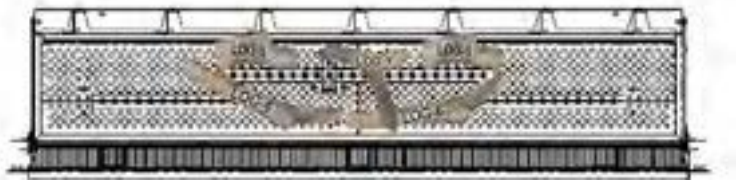
STEP 1
Log 5. Make sure the log tray is clear of any debris or foreign material. Make sure you keep the pilot burner area clear of any burner media.



STEP 2-13
Log 5 & 6. Follow the log diagram to select and place the right logs/embers in the right location.

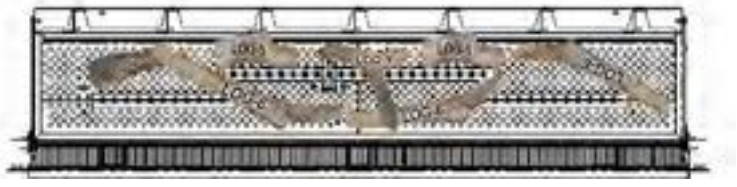


STEP 3
Log 5 & 6.



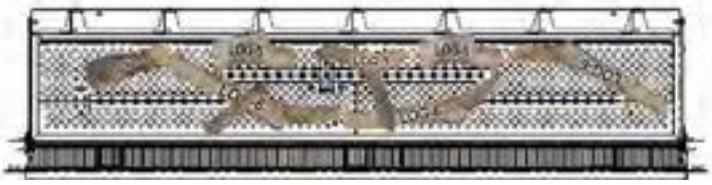
STEP 4
Log 1, 5 & 6

STEP 5
LLog 1, 5 & 6



STEP 6
Log 1, 4, 5 & 6

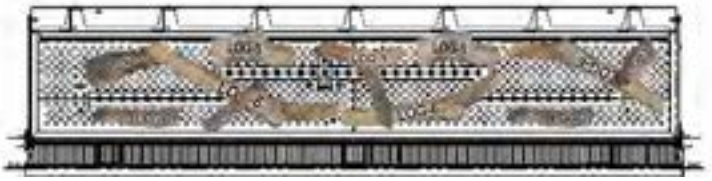
BURNER MEDIA SET UP- VUE 1410 RANGE



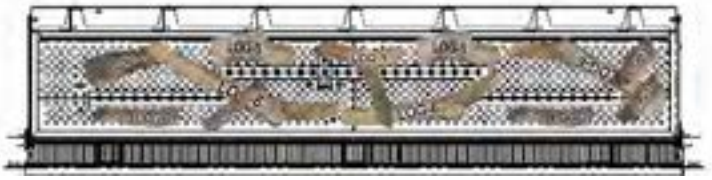
STEP 7
Log 1, 2, 4, 5 & 6

STEP 8
Log 1, 2, 4, 5 & 6

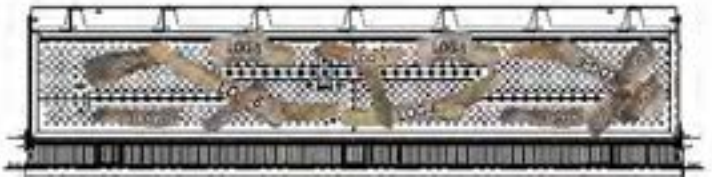
STEP 9
Log 1, 2, 4, 5 & 6



STEP 10
Log 1, 2, 3, 4, 5 & 6

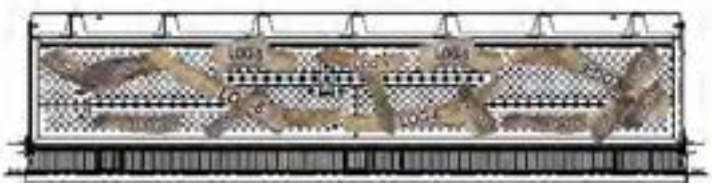


STEP 11
Log 1, 2, 3, 4, 5 & 6



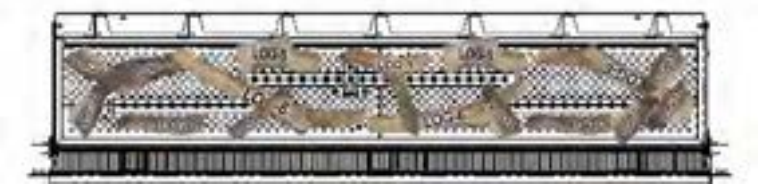
STEP 12
Log 1, 2, 3, 4, 5 & 6

STEP 13
Log 1, 2, 3, 4, 5 & 6

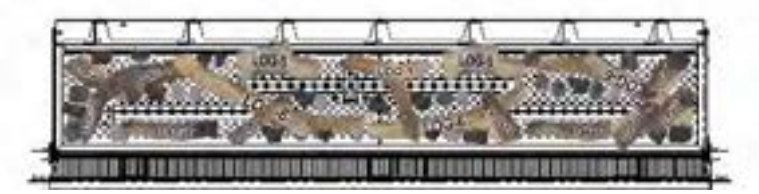


STEP 14
Log 1, 2, 3, 4, 5 & 6

BURNER MEDIA SET UP- VUE 1410 RANGE



STEP 15
Log 1, 2, 3, 4, 5 & 6



STEP 16
Evenly place the embers on the grate avoiding the burner tubes as shown.

PLACEMENT OF FIBRE EMBER

STEP 1
Pull apart the fire embers into fine and thin pieces before placing over the burner.

STEP 2
Place fibre embers only on the burner cross-lighting ports by avoiding the main slotted port.

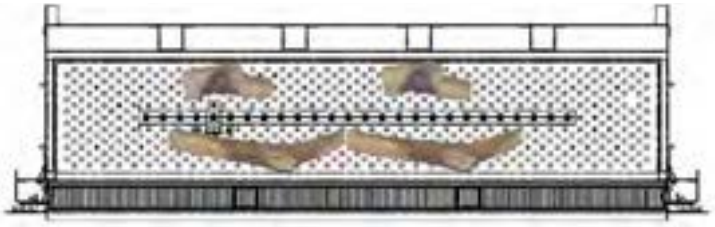
STEP 3
Do not place the fibre embers in the pilot area; as this could cause the heater to malfunction.

ENSURE MEDIA DOES NOT REST ON BURNER EXCEPT FOR EMBERS

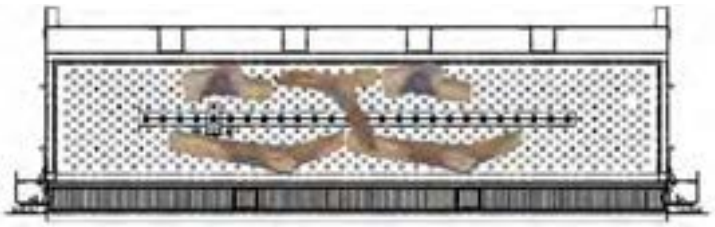
BURNER MEDIA SET UP- VUE 1250 RANGE

Please follow the steps below to place burner media inside the firebox.

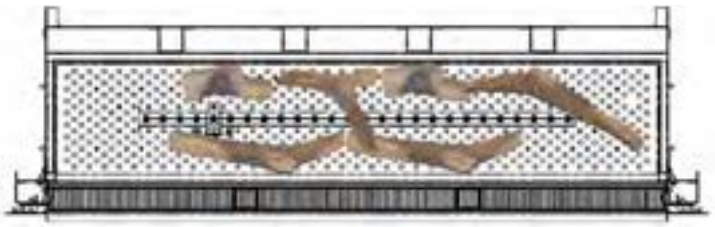
You will find logs shown below in your media box. Follow Step 1-6 to place the burner media correctly in your firebox.



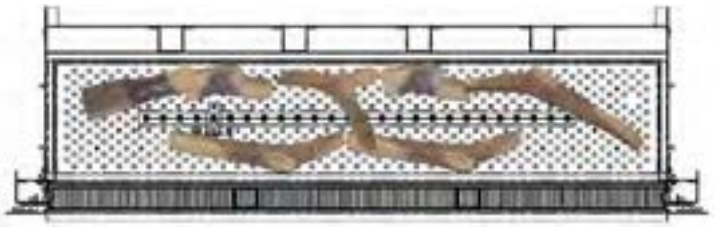
STEP 1
Log 1, 2, 3 & 4. Make sure the log tray is clear of any debris or foreign material. Make sure you keep the pilot burner area clear of any burner media.



STEP 2
Log 1, 2, 3, 4 & 5. Follow the log diagram to select and place the right logs/embers in the right location.

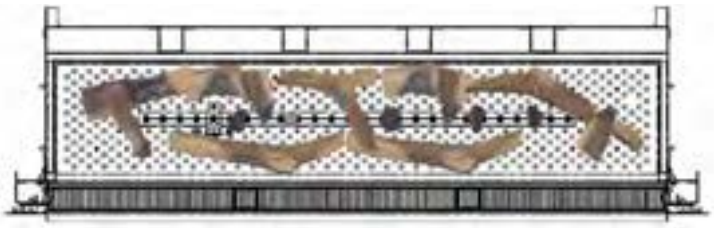


STEP 3
Log 1, 2, 3, 4, 5 & 6.

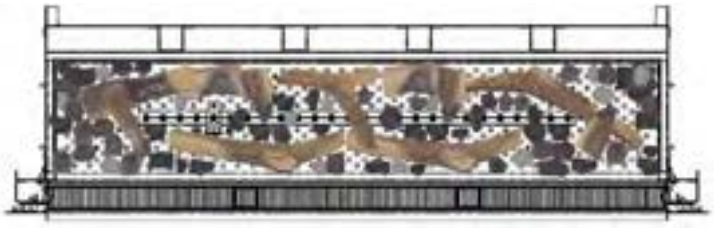


STEP 4
Log 1, 2, 3, 4, 5, 6 & 7.

BURNER MEDIA SET UP- VUE 1250 RANGE



STEP 5
Place 5 embers on top of the Burner Tubes as shown.



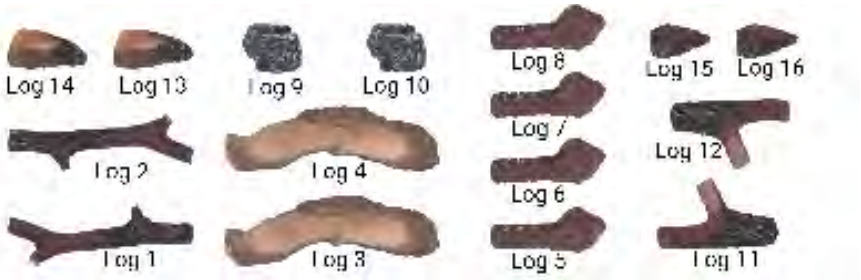
STEP 6
Evenly place the remaining Embers around the Grate area, but avoiding the Burner tubes, as shown.

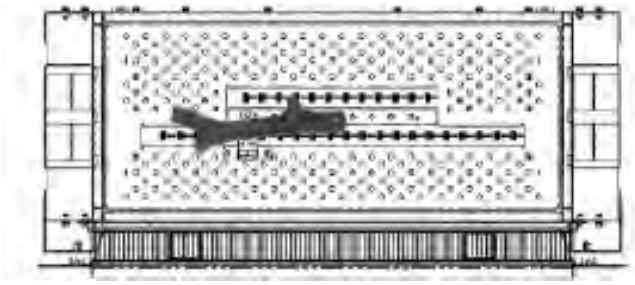
ENSURE MEDIA DOES NOT REST ON BURNER EXCEPT FOR EMBERS

BURNER MEDIA SET UP- ALTO RANGE

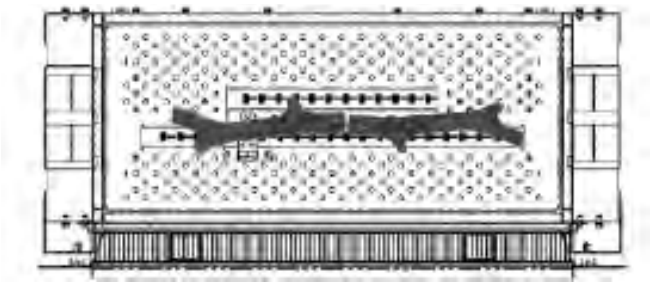
Please follow the steps below to place burner media inside the firebox.

You will find logs shown below in your media box. Follow Step 1-13 to place the burner media correctly in your firebox.

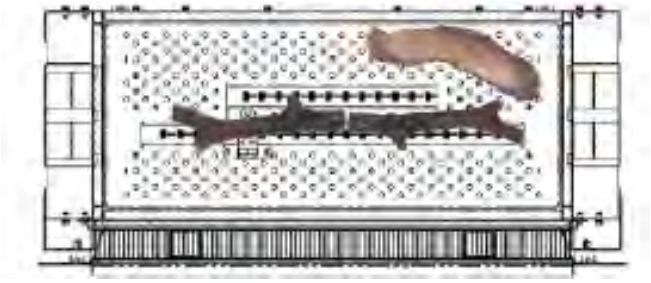




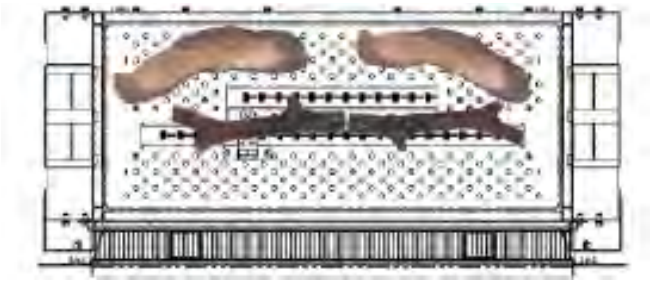
STEP 1
Log 1. Make sure the log tray is clear of any debris or foreign material. Make sure you keep the pilot burner area clear of any burner media.



STEP 2
Log 1 & 2. Follow the log diagram to select and place the right logs/embers in the right location.

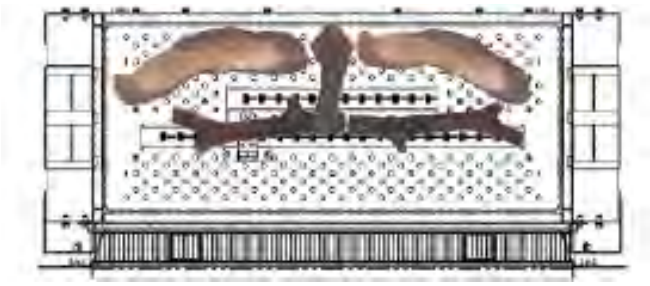


STEP 3
Log 1, 2 & 3.

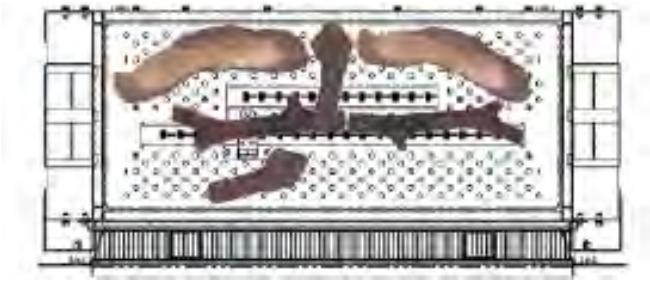


STEP 4
Log 1, 2, 3 & 4.

BURNER MEDIA SET UP- ALTO RANGE

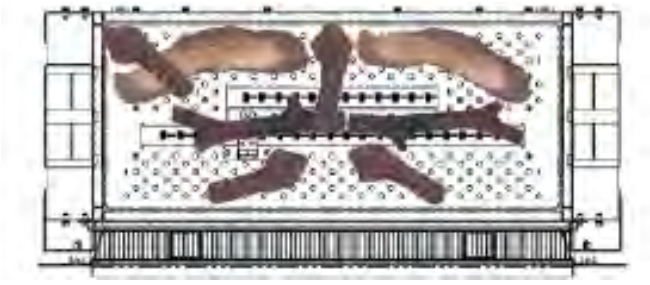


STEP 5
Log 1, 2, 3, 4 & 5.

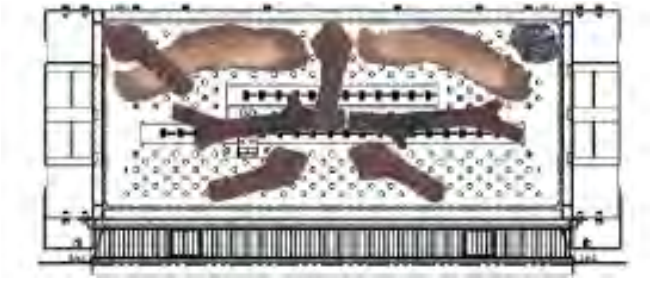


STEP 6
Log 1, 2, 3, 4, 5 & 6.

STEP 7
Log 1, 2, 3, 4, 5, 6 & 7.

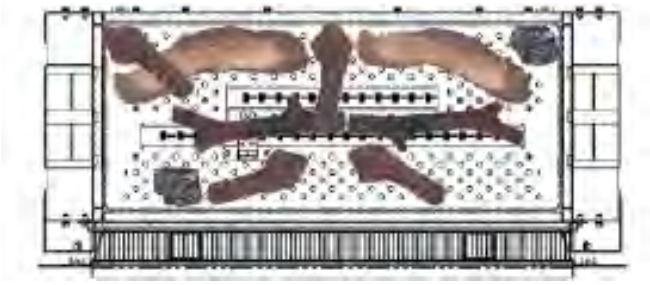


STEP 8
Log 1, 2, 3, 4, 5, 6, 7 & 8.

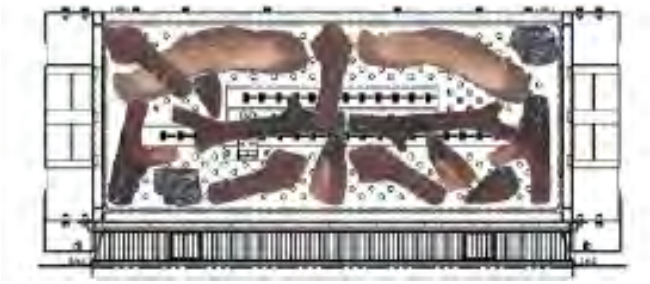


STEP 9
Log 1, 2, 3, 4, 5, 6, 7, 8 & 9.

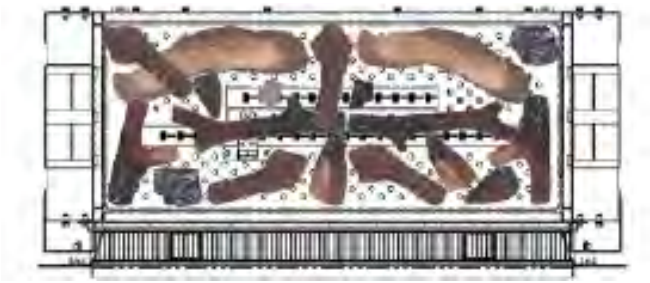
BURNER MEDIA SET UP- ALTO RANGE



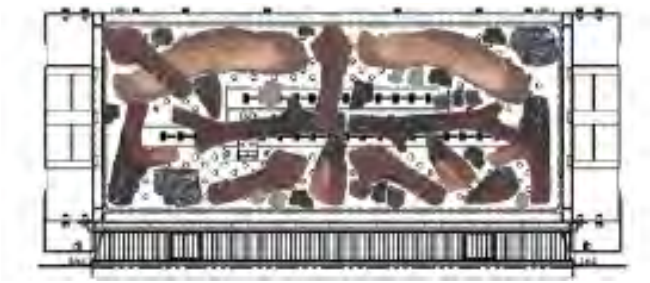
STEP 10
Log 1, 2, 3, 4, 5, 6, 7, 8, 9 & 10.



STEP 11
Log 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 & 16.



STEP 12
Place 4 Embers on top of the Front Burner Tube, and 2 on top of the Rear Burner Tube.



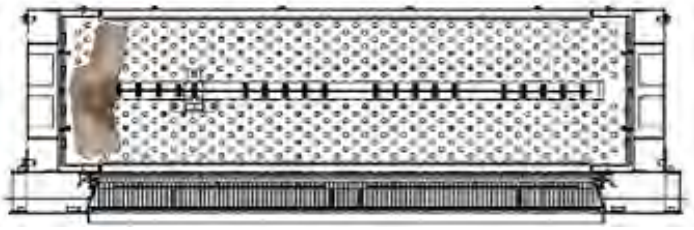
STEP 13
Evenly place the remaining Embers around the Grate area, but avoiding the Burner tubes, as shown.

ENSURE MEDIA DOES NOT REST ON BURNER EXCEPT FOR EMBERS

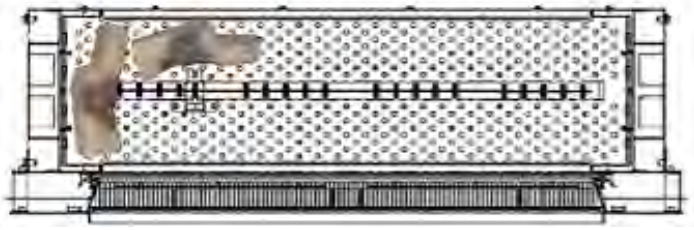
BURNER MEDIA SET UP- QUADRO 800 RANGE

Please follow the steps below to place burner media inside the firebox.

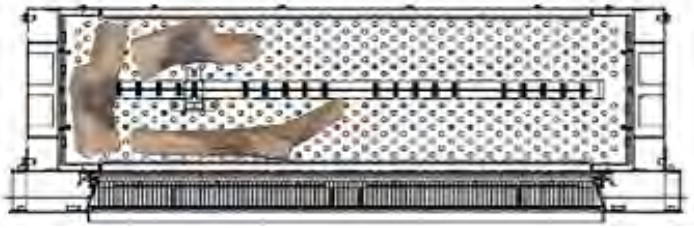
You will find logs shown below in your media box. Follow Step 1-13 to place the burner media correctly in your firebox.



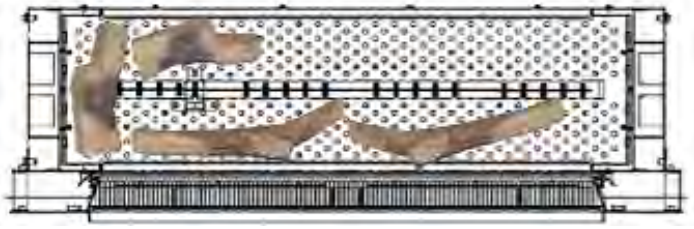
STEP 1
Log 1. Make sure the log tray is clear of any debris or foreign material. Make sure you keep the pilot burner area clear of any burner media.



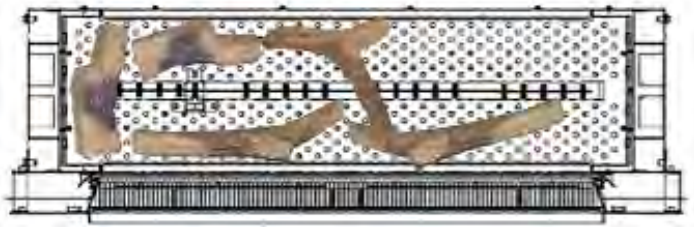
STEP 2
Log 1 & 2. Follow the log diagram to select and place the right logs/embers in the right location.



STEP 3
Log 1, 2 & 3.

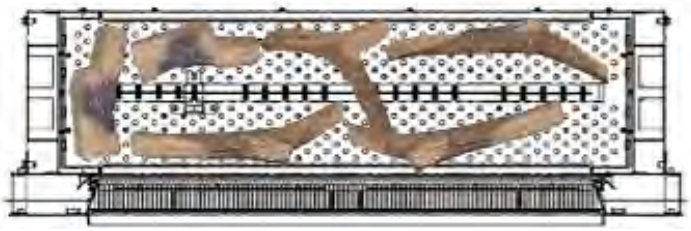


STEP 4
Log 1, 2, 3 & 4.

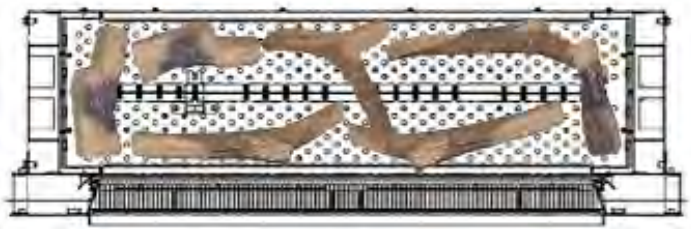


STEP 5
Log 1, 2, 3, 4 & 5.

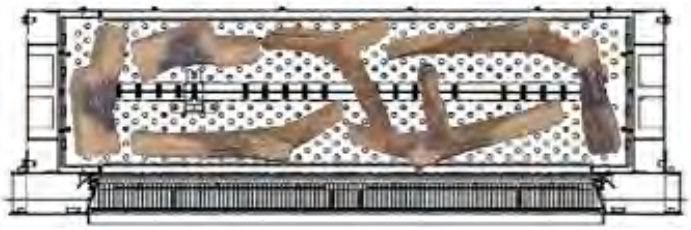
BURNER MEDIA SET UP- QUADRO 800 RANGE



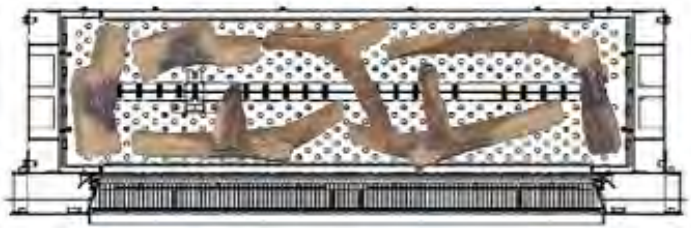
STEP 6
Log 1, 2, 3, 4, 5 & 6.



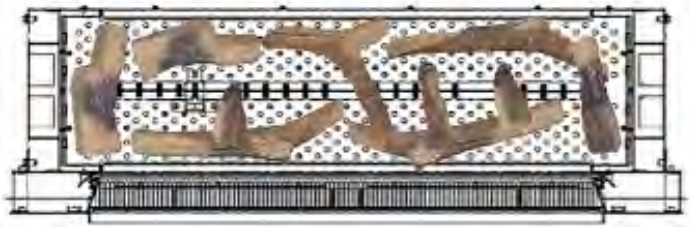
STEP 7
Log 1, 2, 3, 4, 5, 6 & 7.



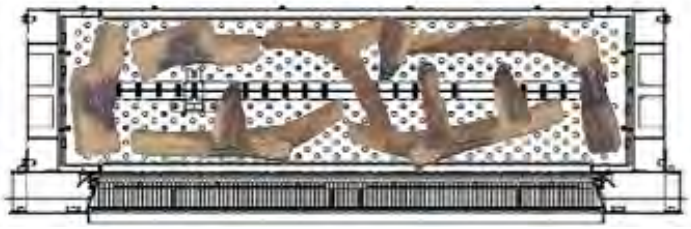
STEP 8
Log 1, 2, 3, 4, 5, 6, 7 & 8.



STEP 9
Log 1, 2, 3, 4, 5, 6, 7, 8 & 9.

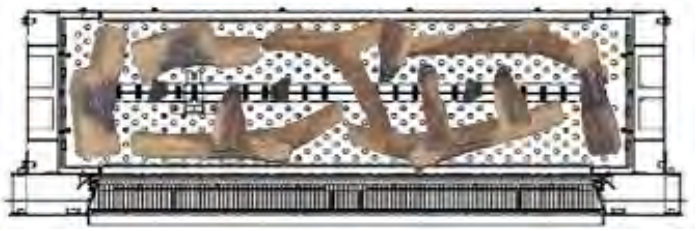


STEP 10
Log 1, 2, 3, 4, 5, 6, 7, 8, 9 & 10.

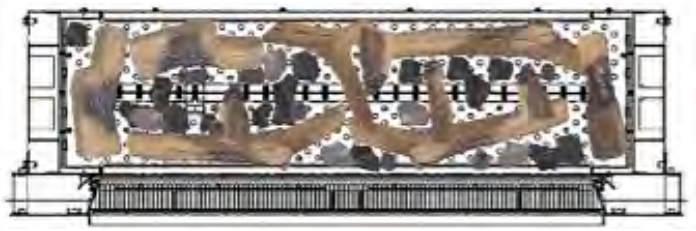


STEP 11
Log 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 & 11.

BURNER MEDIA SET UP- QUADRO 800 RANGE



STEP 12
Place 3 Embers on top of the Burner Tubes as shown.



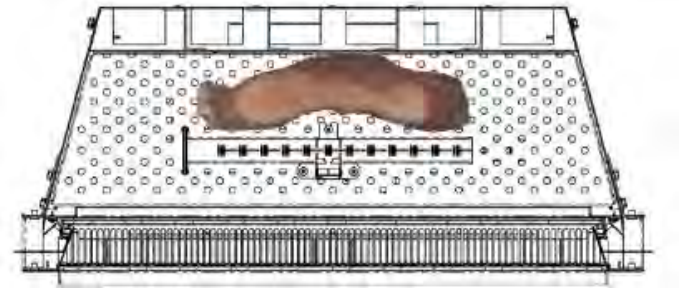
STEP 13
Evenly place the remaining Embers around the Grate area, but avoiding the Burner tubes, as shown.

ENSURE MEDIA DOES NOT REST ON BURNER EXCEPT FOR EMBERS

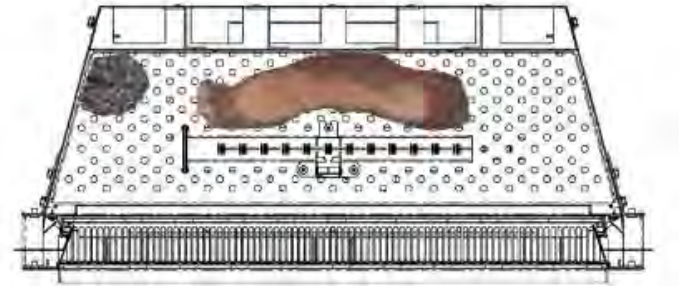
BURNER MEDIA SET UP- QUADRO 650 RANGE

Please follow the steps below to place burner media inside the firebox.

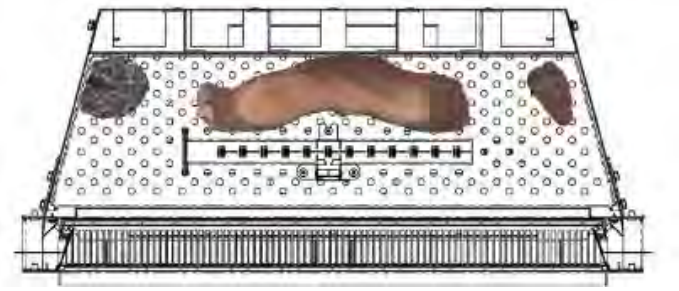
You will find logs shown below in your media box. Follow Step 1-10 to place the burner media correctly in your firebox.



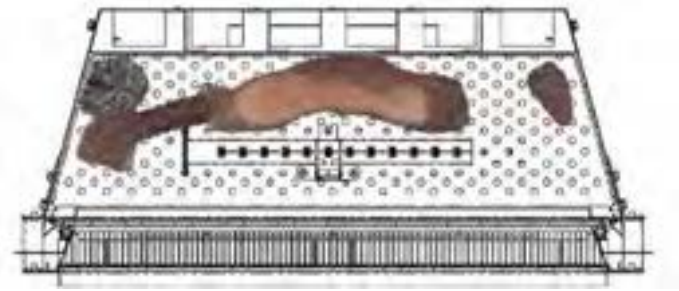
STEP 1
Log 1. Make sure the log tray is clear of any debris or foreign material. Make sure you keep the pilot burner area clear of any burner media.



STEP 2
Log 1 & 2. Follow the log diagram to select and place the right logs/embers in the right location.

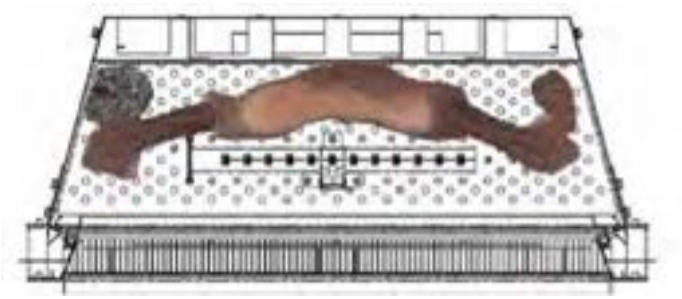


STEP 3
Log 1, 2 & 3.

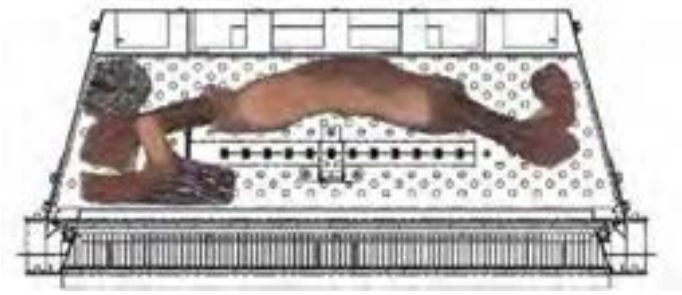


STEP 4
Log 1, 2, 3 & 4.

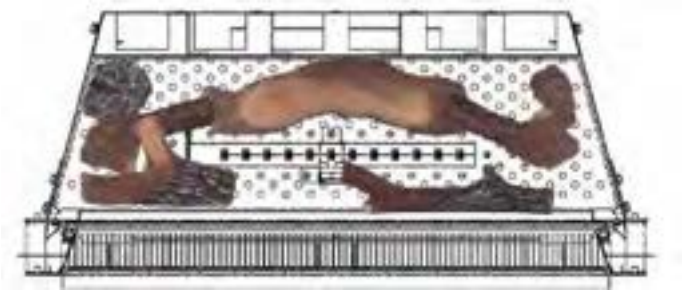
BURNER MEDIA SET UP- QUADRO 650 RANGE



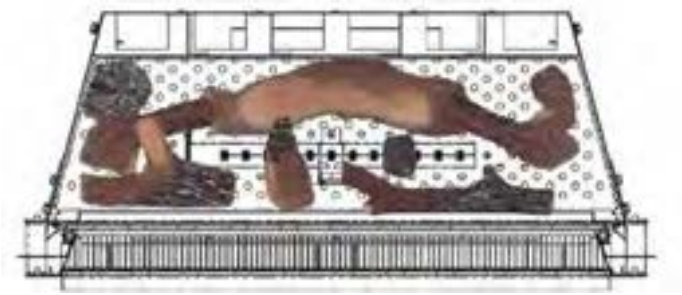
STEP 5
Log 1, 2, 3, 4 & 5.



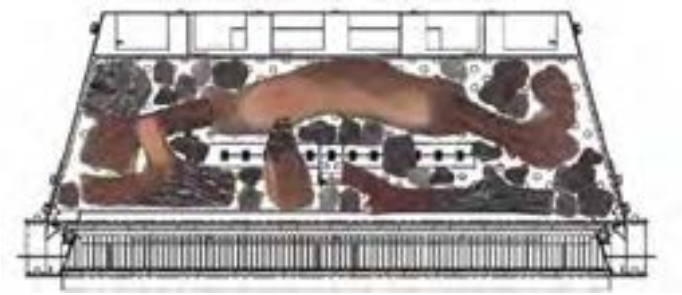
STEP 6
Log 1, 2, 3, 4, 5 & 6.



STEP 7
Log 1, 2, 3, 4, 5, 6, 7 & 8.



STEP 8
Place a single Ember on top of the Burner Tube as shown.



STEP 9
Evenly place the remaining Embers around the Grate area, but avoiding the Burner tubes, as shown.

ENSURE MEDIA DOES NOT REST ON BURNER EXCEPT FOR EMBERS

MAIN BURNER CHECK

1. Ignite the pilot light as described in the User Instructions
2. Turn on the main burner as described in the User Instructions
3. Check that the pilot smoothly cross-lights to the main burner and that the main burner and pilot stay alight
4. Check the operation of the second "effect" burner as described in the User Instructions
5. Extinguish the appliance fully

Pressure check

Always check the inlet pressure and burner pressure.
Apparatus and tools needed to check the outlet gas valve gas pressures.

- 1 x Pressure manometer digital
- Flat (4 mm wide) bladed screw driver for adjusting * PTP
- Flat (2 mm wide) bladed screw driver for access to HI fire out (burner) pressure adjustment
- 4 mm Allen key for access to LO fire pressure adjustment
  Pressure check with gas valve installed in the control hatch.
  The Mertik GV 60 gas valve and receiver/ignition module are located in the control hatch. The GV 60 gas valve is secured into the control hatch housing via (a) a male tab inserted into a slot in the top mounting bracket and (b) a threaded rod with a head to accept a 4 mm Allen key (℄ rear of gas valve) secured into a mounted bracket.

(a)

(b)

The pressure test points for the inlet and outlet (burner) pressure measurements are located at the top of the gas valve casing.
Loosen the screw counter clockwise on the outlet pressure test point on the gas valve and connect a manometer to the * PTP – refer above marked with the red arrow.
* PTP = pressure test point.

MAIN BURNER CHECK

Inlet pressure test point

Access to HI fire regulator screw. If the pressure is more/less than the nominated pressure kPa adjust the regulator. Access to regulator refer below. Remove the plastic plug covering the regulator adjustment screw.
Insert the 2 mm wide flat bladed screwdriver and adjust the regulator **clockwise to increase and counter-clockwise to decrease** the pressure. Note if the regulator had been over adjusted it may take a few (10-12) rotations for the desired pressure to register.
Replace the plastic plug in reverse order.
With the full fire burner set turn the heater down to the low fire setting. If the pressure is more/less than the pressure kPa highlighted on page 10-14 (dependant on model) of this manual adjust the regulator. Access to regulator refer below. The regulator adjustment for low fire is located below the pressure test points identified by the red paint. Insert the 4 mm Allen key and adjust the **regulator counter clockwise to increase the pressure and clockwise to decrease** the pressure. Note this is opposite in rotation to the high fire adjustment. The regulator injector is factory set and is fully (clockwise) closed.

When the pressure register's thew pressure as nominated pages 10-14 turn to high fire and check the high fire has not deviated from burner pressure on High as nominated pages 10-14. Disconnect the manometer from the inlet pressure point and tighten the screw
After checking the pressures and removing the manometers, the screws in the Pressure Test points must be closed, and the system must be checked for gas-tightness.

REMOTE CONTROL INSTALLATION

SYMAX HANDSET

The Symax System uses the same easy-to-operate logic – find the symbol for the function you want and touch that symbol – but it now has new tactile buttons for an immediate, positive response.

TECHNICAL DATA

AMBIENT TEMPERATURE RANGE
CSA: Handset: 32 °F to 131 °F
CE: Handset: 0 °C to 55 °C

RADIO FREQUENCY
CSA: 915 MHz for U.S. and for Canada (handset, receiver)
CE: 868 MHz for Europe (handset, receiver)
(see general radio frequency information on page 4.)

POWER SUPPLY
Handset: 2 x 1.5 V “AAA” (quality alkaline recommended)

NOTICE

Wiring of valve and receiver must be completed before starting ignition. Failure to do so could damage the electronics.

NOTICE

The handsets and receivers are not interchangeable with previous electronics.

⚠ WARNING

To avoid damaging the electronics, do NOT use metal tools to remove the batteries from the handset / receiver.

⚠ WARNING

- Without using a mains adapter, battery replacement is recommended at the beginning of each heating season.
- Old or dead batteries should be removed immediately. If left in the unit the batteries can overheat, leak, and / or explode.
- Do NOT expose batteries (including during storage) to direct sunlight, excessive heat, fire, moisture, or severe impact. Each of these conditions can cause the batteries to overheat, leak, and / or explode.
- Batteries must be kept within their recommended temperature limits (ambient battery temperature range: 32 °F to 131 °F / 0 °C to 55 °C).
- New and old batteries and different brands of batteries should not be used together. Mixing of various batteries can cause the batteries to overheat, leak, and / or explode.

GENERAL NOTES

Batteries – Handset
Low battery indicator on handsets.

Software Version
Press ⏳ and ▲ buttons simultaneously. Software version is displayed.

Handset Model Number
Press ⏳ and ▼ buttons simultaneously. Handset model number is displayed.

Handset One Button and Two Button Ignition
Change from one button to two button ignition (Default Setting) or vice versa by pressing and holding ⏻ button for 10 sec. immediately after installing batteries. **ON** is displayed and **1** or **2** (One or Two Button Ignition) is flashing. When change is complete **1** changes to **2** or vice versa.

Deactivate Functions
1. Install batteries. All icons are displayed and flashing.
2. While the icons are flashing, press the relevant function button and hold for 10 sec.
3. The function icon will flash until deactivation is complete. Deactivation is complete when the function icon and two horizontal bars are displayed.

NOTE: If a deactivated button is pressed, there is no function, and two horizontal bars are displayed.
NOTE: Deactivation remains in effect after change of batteries.

Activate Functions
1. Install batteries. All icons are displayed and flashing.
2. To activate a function, press the relevant button and hold for 10 sec.
3. The function icon will continue to flash until activation is complete. Activation is complete when the function icon is displayed.

The following Functions can be Deactivated / Activated
- CHILD PROOF
- PROGRAM MODE
- THERMOSTATIC MODE (also deactivates PROGRAM MODE)
- ECO MODE
- LIGHT / DIMMER OPERATION
- CIRCULATING FAN OPERATION
- AUXILIARY FEATURE (2ND BURNER FEATURE)
- COUNTDOWN TIMER

REMOTE CONTROL INSTALLATION

Remote Control Instructions:

This is a one button ignition to activate press

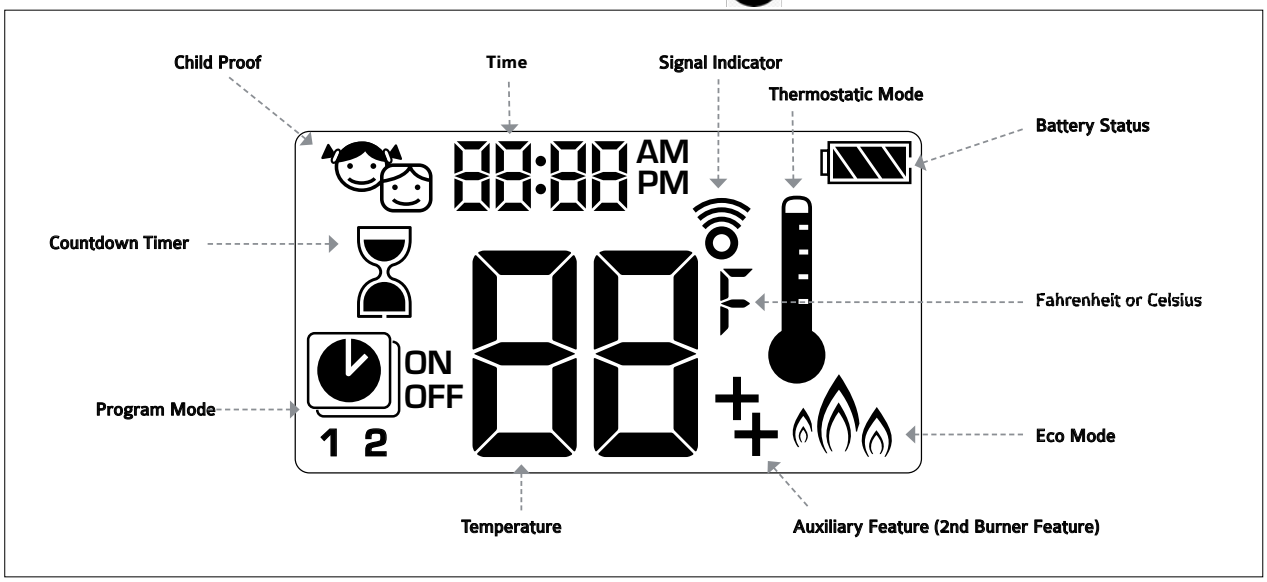
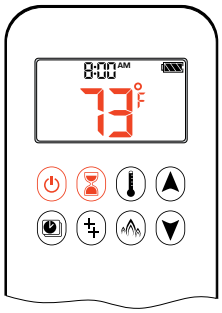


Figure 21: 8-symbol Display

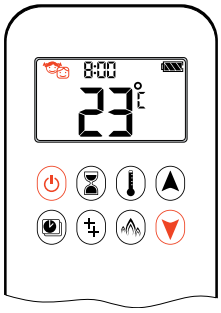
SETTING FAHRENHEIT OR CELSIUS



To change between °C and °F, press ⏻ and ⌛ buttons simultaneously.

NOTE: Choosing °F results in a 12 hour clock. Choosing °C results in a 24 hour clock.

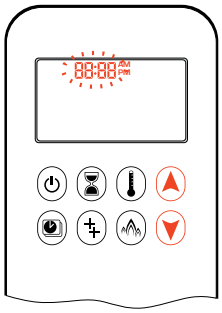
CHILD PROOF



ON:
To activate press ⏻ and ▼ buttons simultaneously. displayed and the handset is rendered inoperable, except for the OFF function.

OFF:
To deactivate press ⏻ and ▼ buttons simultaneously. disappears.

SETTING THE TIME



1. Press ▲ and ▼ buttons simultaneously. **Day** flashes.
2. Press ▲ or ▼ button to select a number to correspond with the day of the week (e.g. 1=Monday, 2=Tuesday, 3=Wednesday, 4=Thursday, 5=Friday, 6=Saturday, 7=Sunday).
3. Press ▲ and ▼ buttons simultaneously. **Hour** flashes.
4. To select hour press ▲ or ▼ button.
5. Press ▲ and ▼ buttons simultaneously. **Minutes** flash.
6. To select minutes press ▲ or ▼ button.
7. To confirm press ▲ and ▼ buttons simultaneously or wait.

REMOTE CONTROL INSTALLATION

MANUAL MODE (HANDSET)

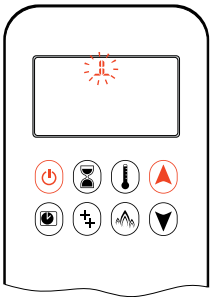
NOTICE

BEFORE OPERATING
1. Make sure MANUAL knob on the GV60 valve is in the **ON**, full counterclockwise position.
2. Place the ON/OFF switch (if equipped) in the **I** (ON) position.

TO TURN ON FIRE

⚠ WARNING

When pilot ignition is confirmed, motor turns automatically to maximum flame height.



- Press ⏻ button (One Button Ignition) or ⏻ and ▲ button simultaneously (Two Button Ignition) until two short beeps and a blinking series of lines confirms the start sequence has begun; release button(s).
- Main gas flows once pilot ignition is confirmed.
- Handset automatically goes into Manual Mode after main burner ignition.

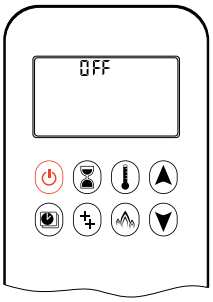
⚠ WARNING

If the pilot does not stay lit after several tries, turn the main valve knob to **OFF** and follow the instructions “TO TURN OFF GAS TO APPLIANCE” (see page 10).

STANDBY MODE (PILOT FLAME)

Handset
- Press and hold ▼ button to set appliance to pilot flame.

TO TURN OFF FIRE



Handset
- Press ⏻ button to turn OFF.

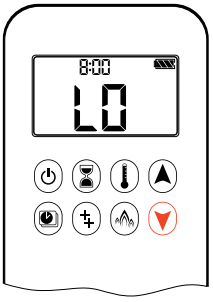
NOTE: A new ignition is possible after the OFF icon stops flashing.

FLAME HEIGHT ADJUSTMENT

Handset
- To increase flame height press and hold ▲ button.
- To decrease flame height or to set appliance to pilot flame, press and hold ▼ button.

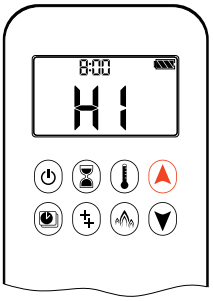
DESIGNATED LOW FIRE AND HIGH FIRE

NOTE: Backlight must be ON for high fire and low fire double-click operation.



- To go to low fire, double-click ▼ button. LO is displayed.

NOTE: Flame goes to high fire first before going to low fire.

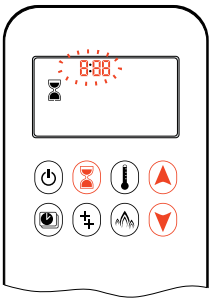


- To go to high fire, double-click ▲ button. HI is displayed.

⚠ WARNING

If the appliance will not operate, follow the instructions “TO TURN OFF GAS TO APPLIANCE” (see page 10).

COUNTDOWN TIMER



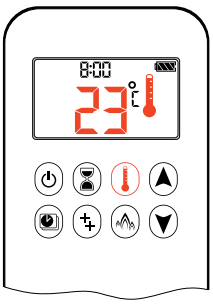
ON/SETTING:
1. Press and hold ⏳ button until ⏳ displayed, and **hour** flashes.
2. To select hour press ▲ or ▼ button.
3. To confirm press ⏳ button. **Minutes** flash.
4. To select minutes press ▲ or ▼ button.
5. To confirm press ⏳ button or wait.

OFF:
Press ⏳ button, ⏳ and Countdown Time disappear.

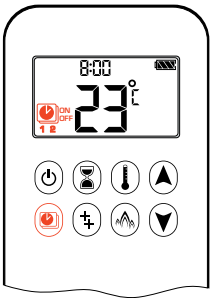
NOTE: At end of Countdown Time period, the fire shuts OFF. The Countdown Timer only works in Manual, Thermostatic, and Eco Modes. Maximum Countdown Time is 9 hours and 50 minutes.

REMOTE CONTROL INSTALLATION

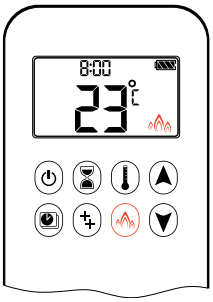
MODES OF OPERATION



Thermostatic Mode
The room temperature is measured and compared to the set temperature. The flame height is then automatically adjusted to achieve the set temperature.

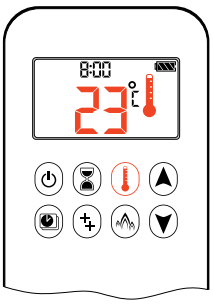


Program Mode
PROGRAMS 1 and 2, each can be programmed to go ON and OFF at specific times at a set temperature.



Eco Mode
Flame height modulates between high and low. If the room temperature is lower than the set temperature, the flame height stays on high for a longer period of time. If the room temperature is higher than the set temperature, the flame height stays on low for a longer period of time. One cycle lasts approx. 20 min.

THERMOSTATIC MODE

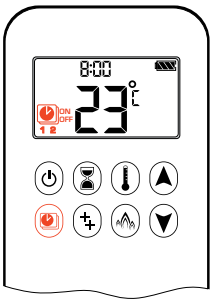


ON:
Press button. displayed, preset temperature displayed briefly, and then room temperature displayed.

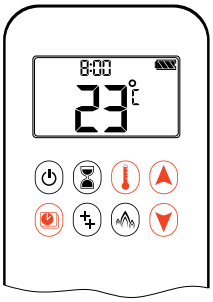
OFF:
1. Press button.
2. Press or button to enter Manual Mode.
3. Press button to enter Program Mode.
4. Press button to enter Eco Mode.

SETTING:
1. Press button and hold until displayed, temperature flashes.
2. To adjust set temperature press or button.
3. To confirm press button or wait.

PROGRAM MODE



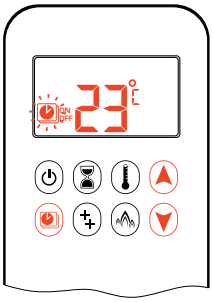
ON:
Press button. , **1** or **2**, **ON** or **OFF** displayed.



OFF:
1. Press or or button to enter Manual Mode.
2. Press button to enter Thermostatic Mode.

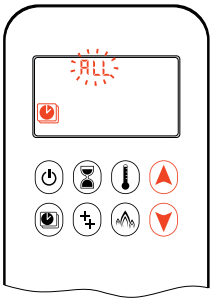
NOTE: The set temperature for Thermostatic Mode is the temperature for the ON time in Program Mode. Changing the Thermostatic Mode set temperature also changes the ON time temperature in Program Mode.

Default settings:
ON TIME (Thermostatic) TEMPERATURE: 70 °F / 21 °C
OFF TIME TEMPERATURE: "- -" (pilot flame only)



TEMPERATURE SETTING:
1. Press button and hold until flashes. **ON** and set temperature (setting in Thermostatic Mode) displayed.
2. To continue press button or wait. , **OFF** displayed, temperature flashes.
3. Select OFF temperature by pressing the or button.
4. To confirm press button.

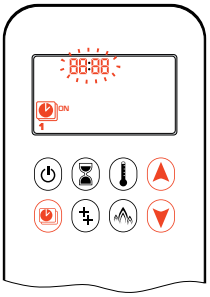
NOTE: The ON (Thermostatic) and OFF set temperatures are the same for each day.



DAY SETTING:
5. ALL flashes. Press or button to choose between ALL, SA-SU, 1, 2, 3, 4, 5, 6, 7.
6. To confirm press button.

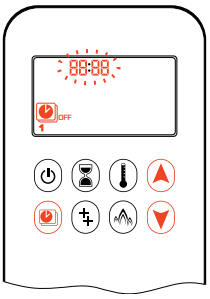
REMOTE CONTROL INSTALLATION

ALL selected



ON TIME SETTING (PROGRAM 1):

7. **1**, **ON** displayed, ALL is displayed shortly, and **hour** flashes.
8. To select hour press ▲ or ▼ button.
9. To confirm press button. **1**, **ON** displayed, ALL displayed shortly, and **minutes** flash.
10. To select minutes press ▲ or ▼ button.
11. To confirm press button.



OFF TIME SETTING (PROGRAM 1):

12. **1**, **OFF** displayed, ALL is displayed shortly, and **hour** flashes.
13. To select hour, press ▲ or ▼ button.
14. To confirm press button. **1**, **OFF** displayed, ALL displayed shortly, and **minutes** flash.
15. To select minutes press ▲ or ▼ button.
16. To confirm press button.

NOTE: Either continue to PROGRAM 2 and set on and off times or stop programming at this point, and PROGRAM 2 remains deactivated.

NOTE: PROGRAM 1 and 2 use the same ON (Thermostatic) and OFF temperatures for ALL, SA:SU and Daily Timer (1, 2, 3, 4, 5, 6, 7). Once a new ON (Thermostatic) and/or OFF temperature has been set, that temperature becomes the new default setting.

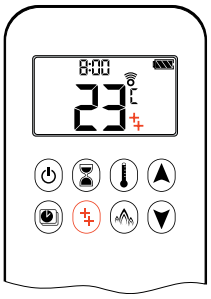
NOTE: If ALL, SA:SU or Daily Timer are programmed for PROGRAM 1 and PROGRAM 2 ON and OFF times, these become the new default times. The batteries must be removed to clear the PROGRAM 1 and PROGRAM 2 ON and OFF times and temperatures.

SA:SU or Daily Timer (1, 2, 3, 4, 5, 6, 7) selected

- Set ON time and OFF time using same procedure as "ALL **selected**" (above).
- SA:SU: Set ON time and OFF time for both Saturday and Sunday.
- Daily Timer: Unique ON and OFF times may be set for a single day of the week, for multiple days of the week, or for every day of the week.
- Wait to finish setting.

AUXILIARY FEATURE (2ND BURNER FEATURE)

The latching solenoid valve will open automatically after ignition or after switching the system off, so that the maximum flow of gas is supplied to both burners assisting with the ignition process. After pressing the AUX-button the motor will turn 7 seconds in the ON direction until the max. position is reached.

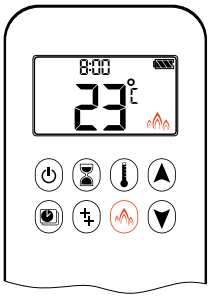


ON:
To switch a burner ON, press the button. displayed.

OFF:
To switch the burner OFF, press the button. disappears.

NOTE: The latching solenoid valve cannot operate manually. If the receiver battery runs down it will remain in the last operating position.

ECO MODE



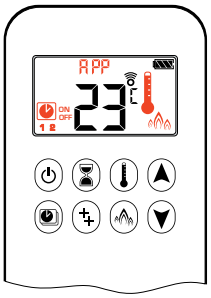
ON:
Press button to enter Eco Mode. displayed.

OFF:
Press button. disappears.

MYFIRE APP

NOTICE

Before the app can be used, the myfire Wi-Fi Box must be wired and plugged into mains power according to myfire app setup diagram (see figure 30, page 29), and the app setup must be completed (see myfire app setup, page 24).



If Thermostatic, Program or Eco Mode is activated, the corresponding icon and "APP" is displayed on the handset.

The modes can be operated according to the descriptions on previous pages.

NOTE: In Manual Mode "APP" is NOT displayed on the handset.

REMOTE CONTROL INSTALLATION

BATTERIES

Remote Handset: 2 x 1.5V "AAA", Quality alkaline recommended

RECEIVER

4 x 1.5V "AA", Quality alkaline recommended for maximum life.

An alternative AC Mains Adaptor may be used to power the Receiver instead of the 4 x "AA" batteries. Only an AC Mains Adapter supplied by the distributer or it's agent may be used. The Mains Adaptor is plugged into the DC6V socket on the end of the receiver.

Note - if the AC Mains Adapter is used, remove the 4 x AA's from the Receiver, failure to do so could result in damage and failure of the Receiver. During a period of power outage, the receiver may be unplugged and batteries returned to the Receiver.

REPLACING THE BATTERIES

HANDSET:

There is a battery level indicator on the display of the handset. When this gets low remove the cover on the rear of the handset and replace the battery with 2 x 1.5V "AAA", Quality alkaline recommended for maximum life.

RECEIVER:

Three short audible beeps will sound when the appliance is on to indicate that the batteries in the receiver are getting low.

When the batteries get very low the appliance will be turned off by the remote control. This will fail to happen if the power supply is interrupted.

To replace the Receiver batteries, slide the cover off of the top of the receiver and use the ribbon to pull the batteries out. Replace the batteries with new 1.5V AA's, ensuring that the ribbon is located under the batteries and that the polarity is correct on all 4 batteries.

Never mix new batteries with old; this will result in the new batteries being emptied very quickly.

When the batteries are replaced, it may be necessary to reset the transmitter code, as detailed in the next section.

SETTING THE TRANSMITTER CODE

Press and hold the RESET button with a sharp object (pen or screwdriver) until you hear two audible beeps. After the second, longer beep, release the RESET button.

Within the next twenty seconds press the down button on the remote handset until you hear an additional long signal confirming the code is set.

The Receiver is located in the Control Hatch panel.

ERROR CODES

ERROR CODE	ACTION	DESCRIPTION	POSSIBLE CAUSE
F03	Contact service	5 second beep from the receiver. Ignition process is interrupted. No response from receiver and no ignition.	Thermocouple wiring not in order / interrupted
F04	Ignition failure. Wait one minute then try again. 5 second beep from the receiver.	No pilot flame within 30 seconds. After third attempt F06 No response from the receiver.	• No gas • Air in the line • No spark 8 wire connector loose or disconnected.
F06	Contact service	Third time start attempt within 5 minutes	• No gas • Air in the line • No spark
F12	Contact service	Motor turns to pilot light position	Receiver temperature above 60°
F13	Contact service	Motor turns to pilot light position	Receiver temperature above 60°
F14	Contact service	5 second beep. No reaction from the heater and no ignition	Wiring not in order
F19	Contact service	Pilot flame goes out when the main burner is energised	Thermocouple defective
F26	Contact service	No high flame regulation possible	Receiver temperature above 60°
F31	Contact service	No reaction from the heater. No control via the handset remote	Receiver defective
F40	Battery symbol	Battery voltage in the handset remote low	Replace batteries 2 x 1.5V AAA
F46	Contact service	No reaction from the heater	Bad connection between the receiver and handset remote

SERVICING

DO NOT MODIFY THIS APPLIANCE

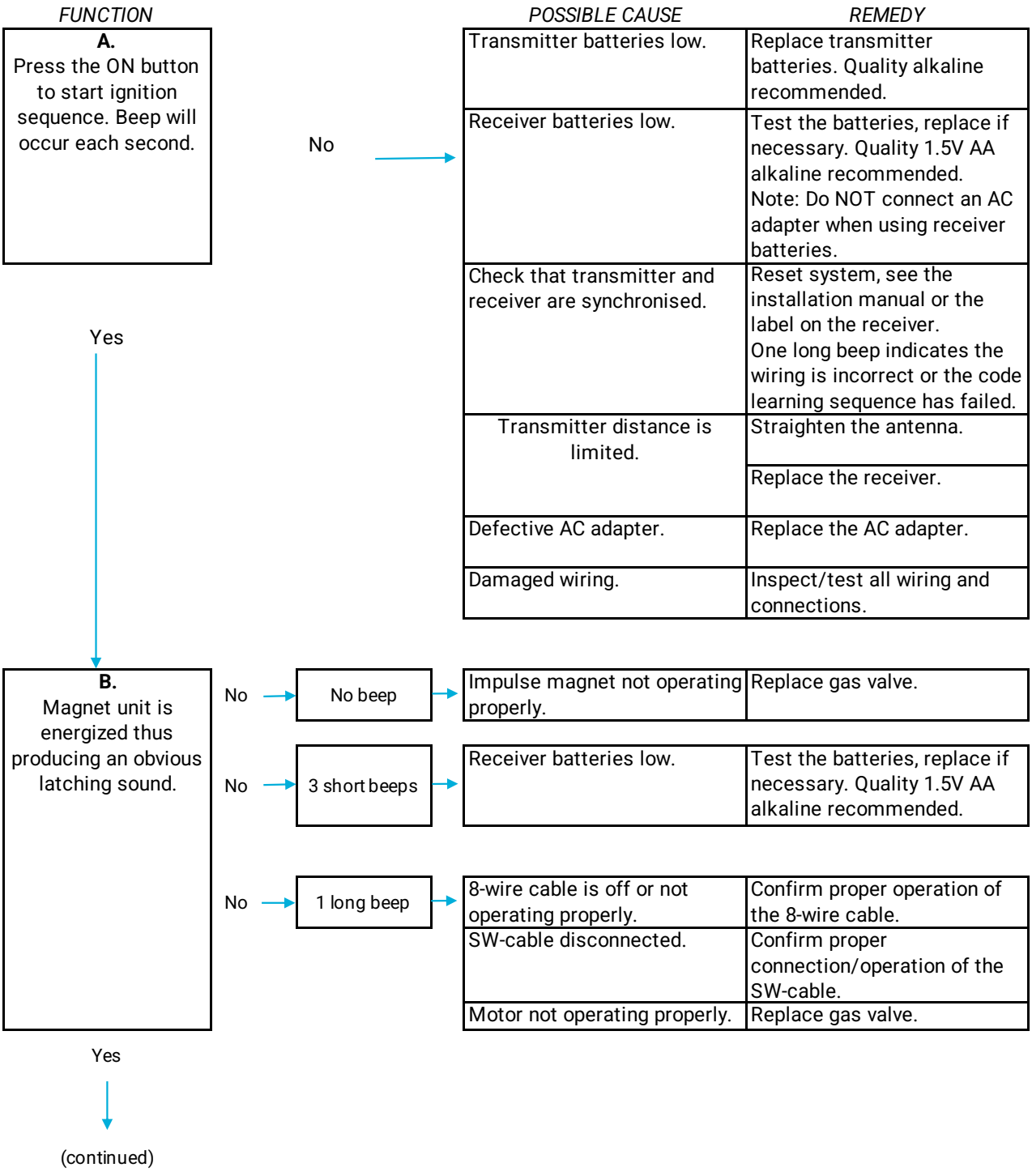
Service only to be carried out by an authorized person.

TurntheapplianceOFFandisolatethegassupply.Ensuretheapplianceisfullycoldbeforeattemptingto startservicingtheappliance.NoliabilitycanbeacceptedbyLivingFireforinjurycausedbyburningor scolding by a hot appliance.

A suggested procedure for servicing is listed below.

1. Lay out dust sheet on flooring, mask off any special fireplace materials.
2. Remove Outer Glazing Panel
3. Remove Bottom Window Trim
4. Remove Inner Window Panel
5. Carefully remove the Ceramic components (including Embers) or Gravels
6. Use a Vacuum cleaner to clean the top of the burners and grate
7. Remove Grate
8. Using a vacuum cleaner, fully clean both Burner Top.
9. Usethevacuumcleanerandasoftbrushtocleanthepilotassemblyand Injectors.Never modifyor bend the Thermocouple
10. Turn on the gas supply and check for leaks, check the burners and Pilot for good condition and operation
11. Replace Grate
12. Replace the Fire bed arrangements
13. Replace Window Assemblies and Trims
14. Check the flue system and terminal, making sure that the terminal vent is fully clear
15. Light the appliance and test setting pressures
16. Check the safe operation of the appliance.

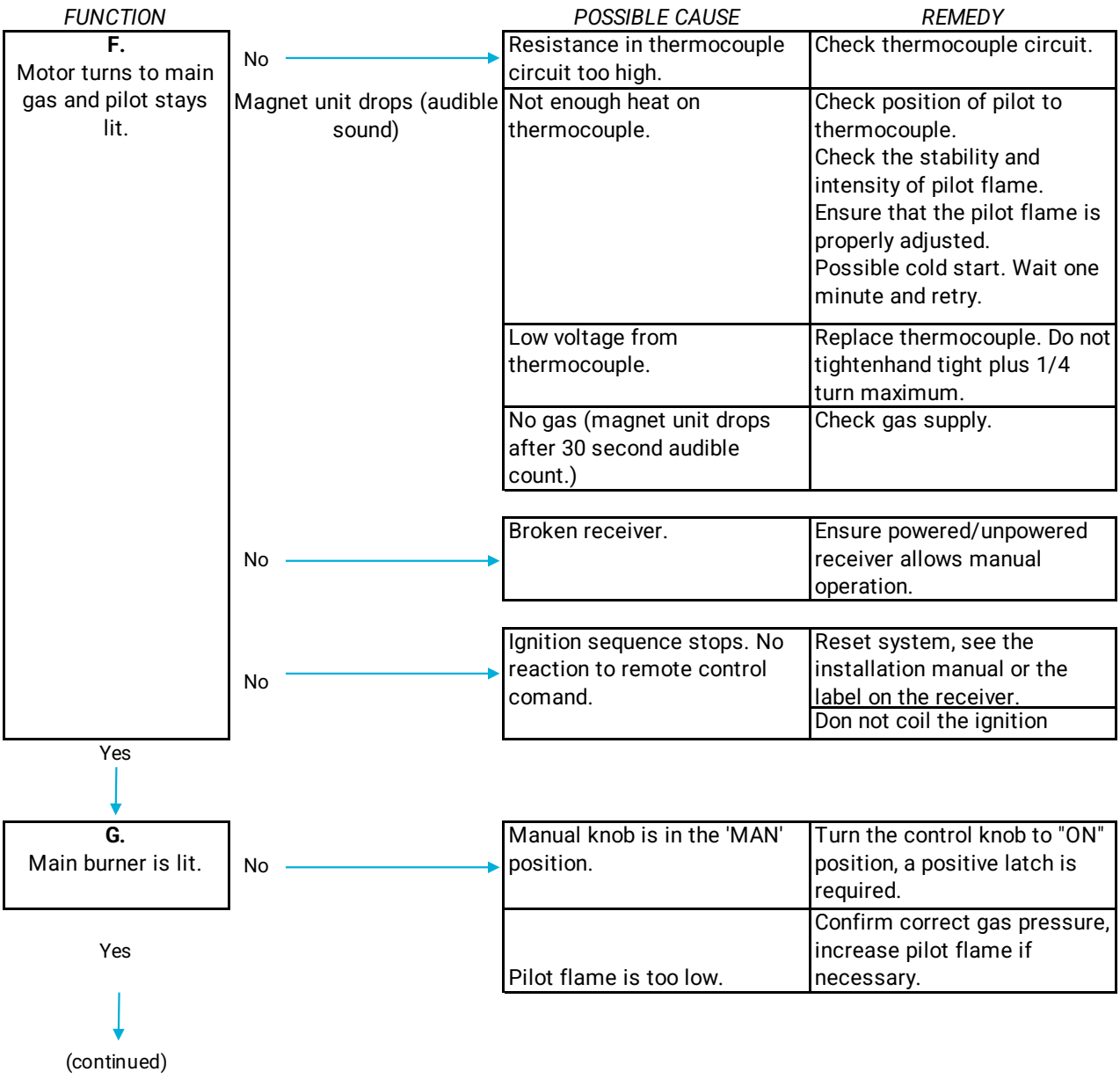
TROUBLE SHOOTING



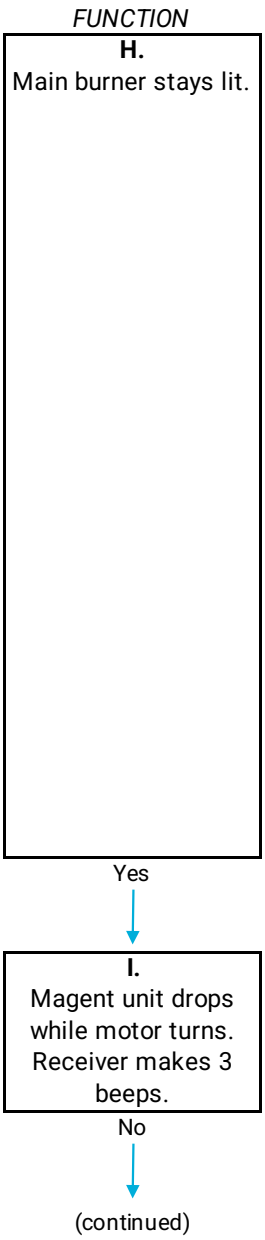
TROUBLE SHOOTING..Continued

FUNCTION		*POSSIBLE CAUSE*	*REMEDY*
C. Spark will occur each second.	No	Ignition components not operating properly.	Check connection between ignition cable and ignitor rod.
			Check ignitor rod spark gap.
			Check ignitor rod.
			Check ignition cable for damage.
			Increase distance between ignition cable and all metal parts.
	No	Ignition sequence stops, no pilot flame. No reaction to remote control command.	Reset system, see the installation manual or the label on the receiver.
			Do not coil the ignition cable.
			Shorten the ignition cable, if possible.
	No	Ignition sequence stops, no pilot flame. Transmitter command is possible.	Test the batteries, replace if necessary. Quality 1.5V AA alkaline recommended.
Yes			
D. Pilot lit.	No	TC- and SW-cable reversed.	Check cable connection between receiver and interrupter block.
Yes		Magnet unit not operating properly.	Replace gas valve.
		Short between interrupter and SW cable.	Check interrupter block connection.
		No gas (magnet unit drops after 30 second audible count.)	Check gas supply.
		Spark not lighting the pilot.	Check spark is crossing pilot orifice.
		Cracked ignitor rod (spark heard but not seen)	Ensure that ignitor rod does not move within ceramic shield. Check that ignition wire is not defective.
E. Sparking stops after pilot is lit.	No	Short between interrupter block and TC-cable.	Check connection to interrupter block.
Yes		Electronic measuring amplifier defective.	Replace the receiver.
(continued)			

TROUBLE SHOOTING..Continued



TROUBLE SHOOTING..Continued



POSSIBLE CAUSE	REMEDY
Too much draft at pilot flame (poor flame impingement of primary thermocouple)	Check flue installation.
Pilot assembly out of order.	Inspect pilot assembly for correct operation and thermocouple impingement.
6 hours of no motor movement.	In Manual/Temperature/Timer modes the valve turns down to pilot only if the flame height does not change for a 6 hour period. In Temperature/Timer modes if the ambient room temperature changes, the flame height will adjust automatically to maintain the set temperature and the fire will continue to function normally. The valve will turn to pilot flame if the set temperature and the ambient temperature remain the same over a 6 hour period.
Receiver batteries low.	Test the batteries, replace if necessary. Quality 1.5V AA alkaline recommended.
Ensure magnet unit is operating normally.	Test the receiver output to the magnet unit.

TROUBLE SHOOTING..Continued

FUNCTION		*POSSIBLE CAUSE*	*REMEDY*
J. Flames become thin, blue, wispy then go out.	Yes →	Exhaust has dark emissions.	Inspect fluing damage and/or incorrect installation.
		Flow of fresh air/and or exhaust is bocked.	Ensure that vent configuration is withing the vent chart requirements.
			Check termination for blockage and/or appropriate type.
		LP gas being used with NG injector(s)	Ensure the gas type is correct for the installed orifices.
No ↓			
K. Flames are very yellow with dark, sooty tips.	Yes →	The primary air shutter is closed when using LP gas.	When usinf LP gas the air shutter must be fully open. See conversion instructions.
		Flow of fresh air and/or exhaust is blocked.	Ensure that the flue configuration is within the vent chart requirements.
			Check termination for blockage and/or appropriate type.
No ↓			
L. Flames are very busy and blowing in an abnormal direction.	Yes →	Air leak in the firebox.	Check unit for leaks at glass corners or at gaskets.
			Check unit for positive releif door seal.
			Check venting for complete integrity.
No ↓			
M. Flames are stable but too small and blue.	Yes →	Too much primary air.	Reduce the primary air opening unut flames have the base and the yellow upper two-thirds.
No ↓			
NORMAL OPERATION			

CLEANING THE CERAMICS

Remove the ceramics in reverse order as detailed in the layout diagram/s.

Gently clean the ceramics in the open air, using a soft brush and a vacuum cleaner. Where necessary replace damaged components only with genuine Living Fire specified parts. Seal any scrap ceramics in plastic bags and dispose at proper refuse sites. When using a vacuum cleaner, it is recommended that one with a HEPA filtering system is used.

Re-fit the Fire bed arrangement, re-seal the appliance and check the safe operation of the appliance.

For customer/technical service contact;
Living Fire (distributors of PAD Heaters)
361 Swan Street
Richmond, Victoria 3121
Office: (03) 99 777 888

CLEANING AND MAINTENANCE

Remove the ceramics in reverse order as detailed in the layout diagram/s.

This appliance should be inspected and serviced once a year by a qualified, competent and registered person. The inspection and maintenance must at least ensure that the appliance is working correctly and safely. It is advisable to clean the appliance of any dust and debris before regularly during the heating season and especially if the appliance has not been used for some time. This can be done with a soft brush and a vacuum cleaner or a damp cloth and if required a non-abrasive cleaning agent. Do not use corrosive or abrasive substances to clean the appliance.

All cleaning should be carried out when the heater is cold. Normally the heater should only need wiping with a lint-free damp cloth. Any stubborn stains can be removed with a non-abrasive spray or cleaner. If an abrasive cleaner is used the paint finish will be damaged. Clean the outer glass with a mild liquid or spray or glass cleaner. Do not use harsh abrasive cleaners or sharp metal scrapers to clean the heater glass front as they can scratch the surface, which may result in shattering of the glass. Initially the heater should only be cleaned by an authorised person. DO NOT CLEAN THE GLASS WHEN IT IS HOT. If the heater requires attention contact your supplier or an authorised service person. The heater is designed to operate with luminous flames and may exhibit slight carbon deposit on the logs. If there is an excess carbon built-up on the logs, or the burner flame is unstable, contact LIVING FIRE. Important. It is recommended that the heater be serviced annually by an authorised service person. This maintenance cost is not covered under the warranty terms and conditions. It is imperative that control compartments, burners be kept clean. Do not use the heater if the glass is cracked or the glass is removed. Do not use the heater with broken or missing logs. High wind gusts can affect the heaters fluing and switch the heater off. If this happens, restart the heater as normal. If the problem persists contact LIVING FIRE.

PAUL AGNEW | DESIGNS

Distributed By:
LIVING FIRE

+61 3 99 777 888
info@livingfire.com.au
www.livingfire.com.au