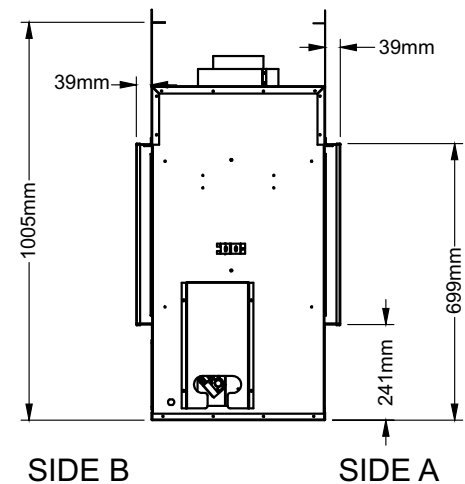
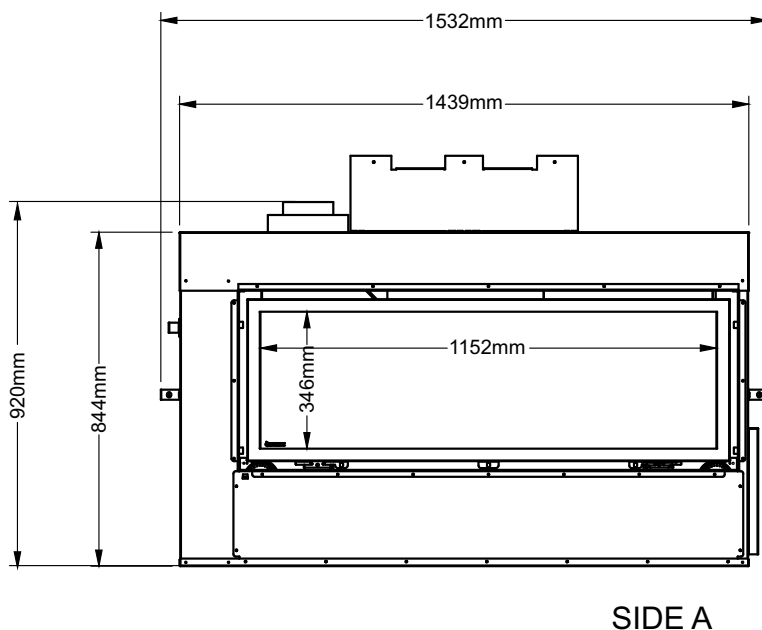
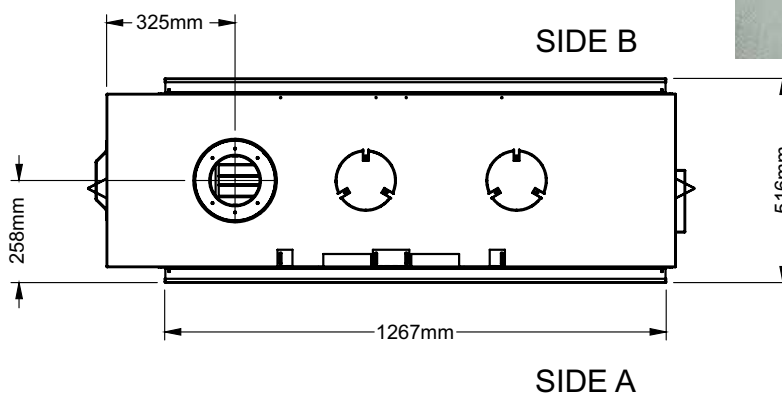


Greenfire® GF1500LST Gas Fireplace

MODEL	GF1500LST NG	GF1500LST LP	GF1500LST ULPG
Fuel Type	Natural Gas	Propane	ULPG
Gas Consumption	50 MJ/h	49 MJ/h	44 MJ/h
Manifold Pressure	0.87 kPa	2.49 kPa	2.49 kPa
Injector Size	1 x #27 3.66 mm	1 x #47 1.99 mm	1 x #49 1.85 mm



Dimension drawings shown without fascias

CLEARANCES

The clearances listed below are minimum distances unless otherwise stated:

A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and flue system be installed only in accordance with these instructions.

Caution Requirements

The sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

WARNING

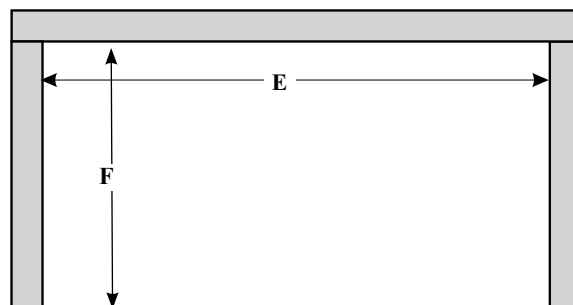
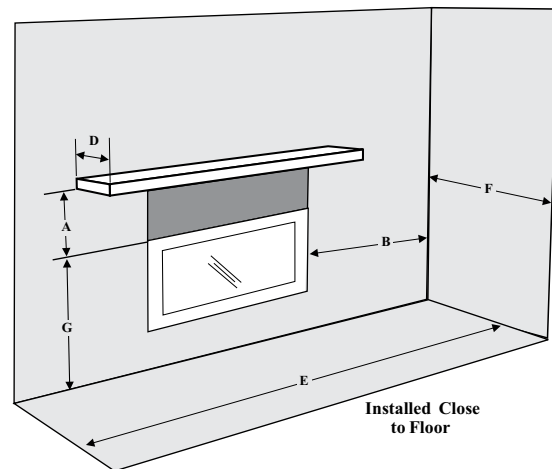
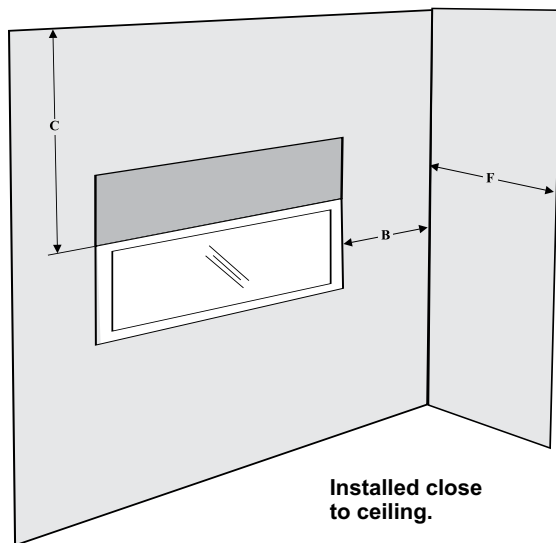
Fire hazard is an extreme risk if these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and flue system be installed only in accordance with these instructions.

Clearance:	Dimension	Measured From:
A: Mantel Height (min.)	330 mm	Top of Fireplace Opening
B: Sidewall (on one side)	203 mm	Side of Fireplace Opening
C: Ceiling (min.) (room and/or alcove)	1162 mm	Top of Fireplace Opening
D: Mantel Depth (max.)	305mm	730mm Above Fireplace Opening
E: Alcove Width	1676 mm	Sidewall to Sidewall (Minimum)
F: Alcove Depth	914 mm	Front to Back Wall (Maximum)
G: From Floor (min.)	702 mm	Top of Fireplace Opening
Note:	0	No hearth required

Flue Clearances to Combustibles

Horizontal - Top	76mm
Horizontal - Side	51mm
Horizontal - Bottom	51mm
Vertical	51mm

IMPORTANT: If installing a television above this appliance, the television must be either fully recessed into the wall above the fireplace and or have a mantle below the television. If the television is left unprotected, the extreme heat being emitted from this appliance will result in damage to the television. See clearance requirements for mantle.



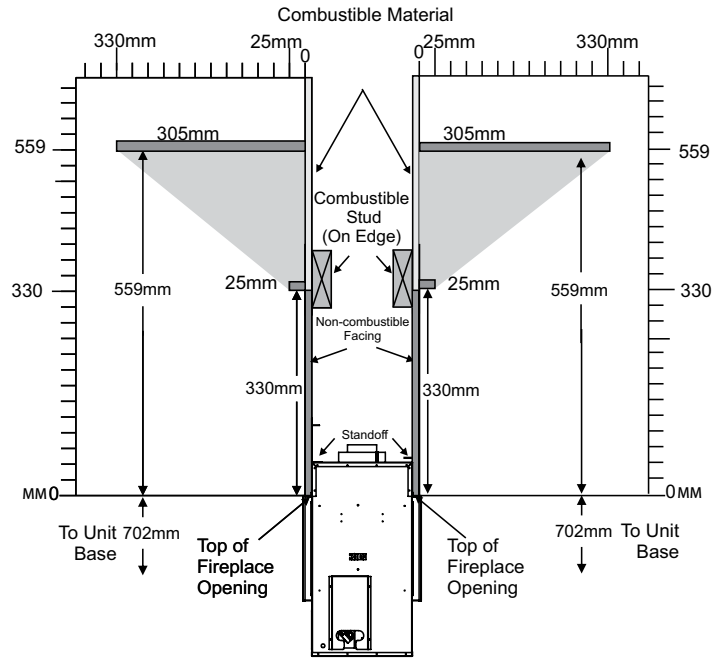
Alcove

GF1500LST Gas Fireplace

MANTEL CLEARANCES

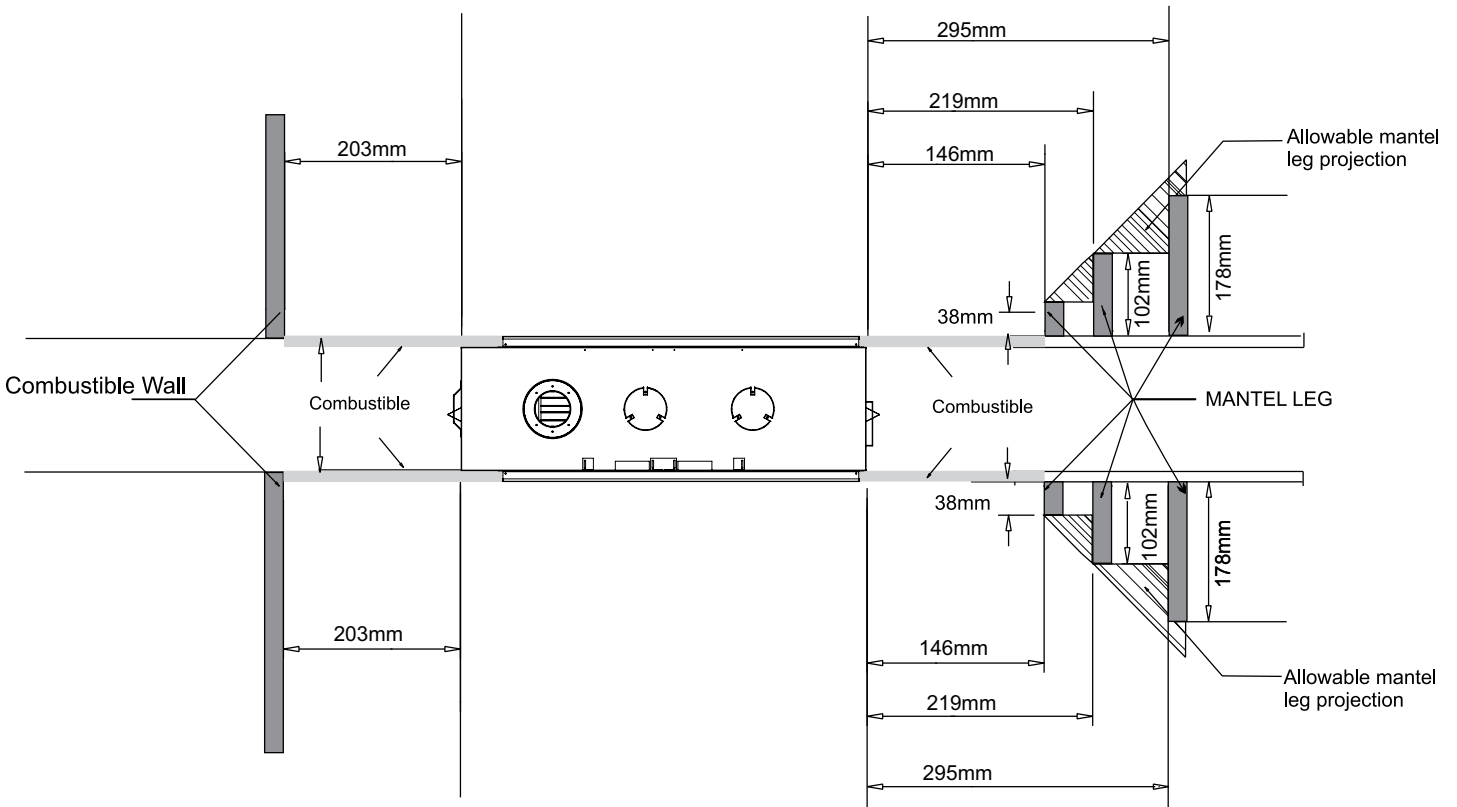
Due to the extreme heat this fireplace emits, the mantel clearances are critical. Combustible mantel clearances from top of front facing are shown in the diagram on the right.

Note: Ensure the paint that is used on the mantel and the facing is "high quality" or the paint may discolour.



MANTEL LEG CLEARANCES

Combustible mantel leg clearances as per diagram:



GF1500LST Gas Fireplace

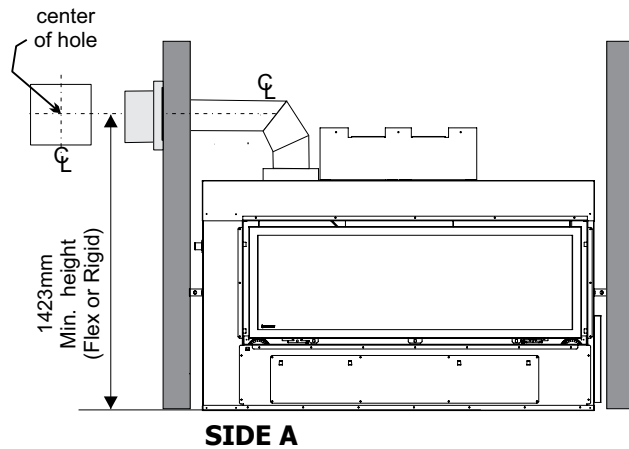
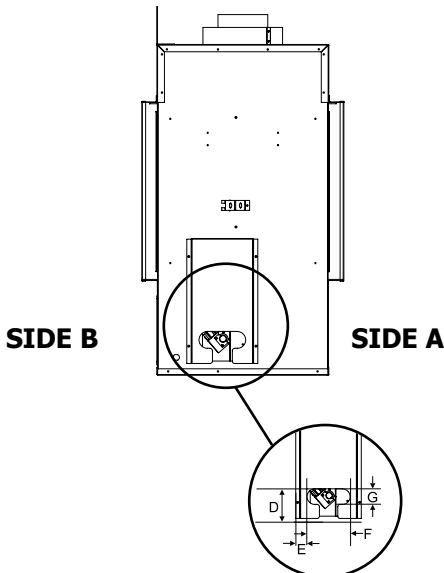
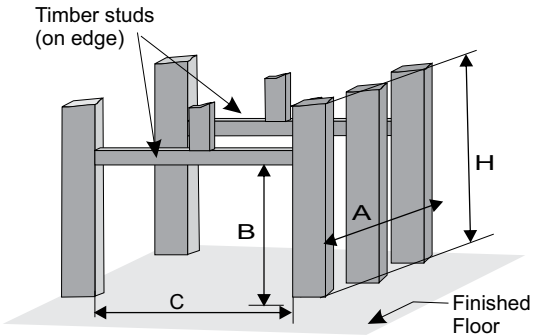
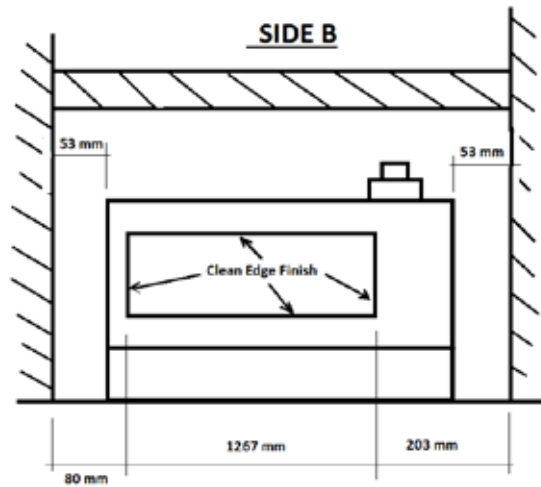
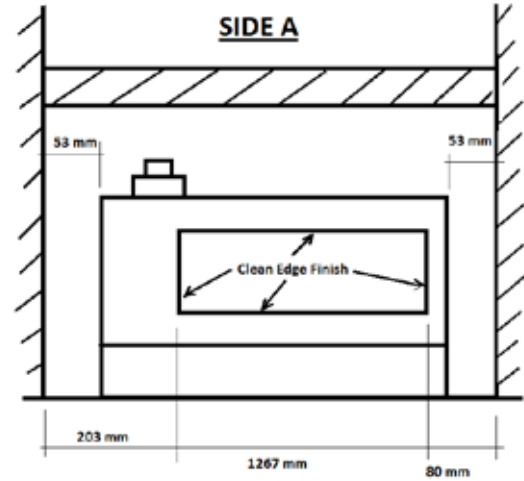
FRAMING DIMENSIONS

GF1500LST Framing Dimensions		
A *	Framing Depth *	516mm **minus the combined material thickness of both sides
B	Framing Height	1011mm
C	Framing Width	1545mm
D	Gas Connection Height	87mm
E	Gas Connection Inset	124mm
F	Gas Connection Opening Width	89mm
G	Gas Connection Opening Height	67mm
H	Minimum height to combustible (enclosure)	1600mm

* Framing depth measurement is noted with nailing strips (top & sides) set as far forward on the firebox as possible. The nailing strips can be adjusted back up to 38mm (on both sides) to allow for varying thicknesses in non-combustible material and wall finishes.

**Finished material thickness includes: non combustible material, tile slate, etc.
A minimum thickness of 12mm non-combustible facing board compliant with AS1530-1 and AS1530-3 is required.

Note : When installing the heater into the frame (as per page 11) the clean edge finish / glass door will not be central to framework



Note: Clean edge finish/glass is not central in the framework. If glass is to be central in the finished wall, add additional framework accordingly.

GF1500LST Gas Fireplace

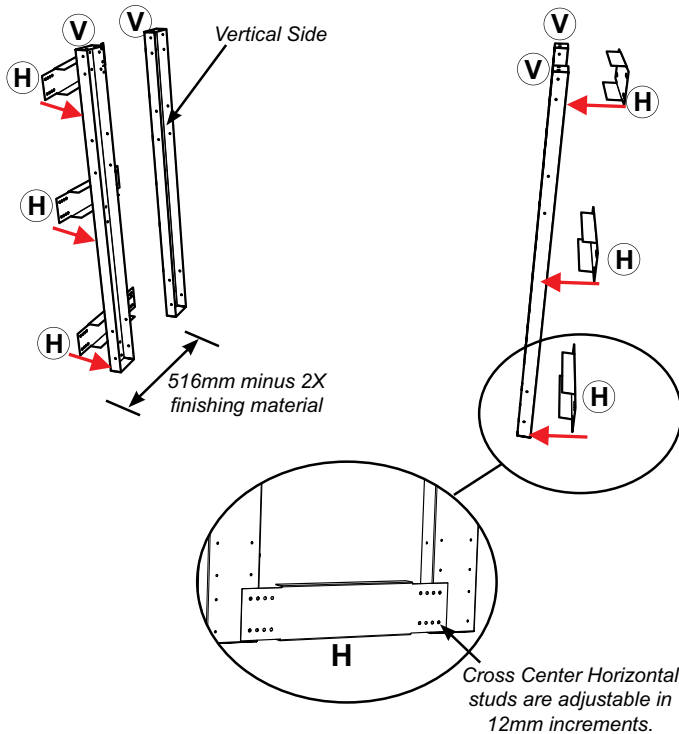
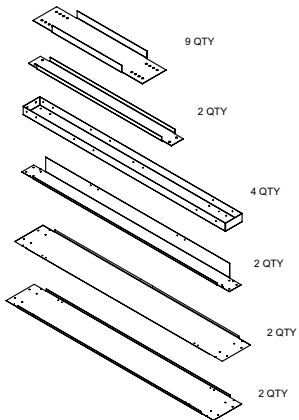
OPTIONAL FRAMING KIT

An optional framing kit is available for the GF1500LST.

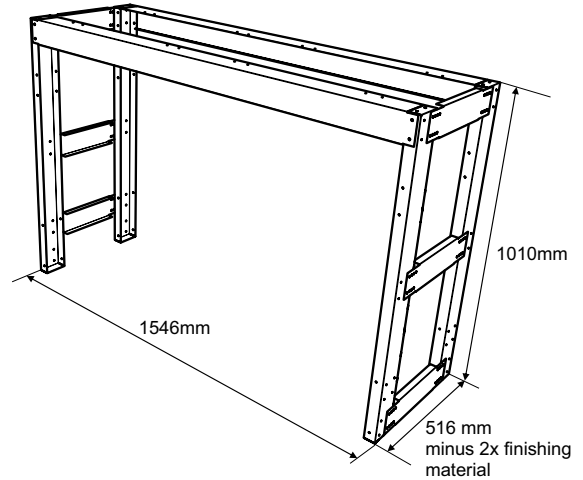
Note: There are different configurations for horizontal exit venting vs vertical exit venting and options in the framing width to accommodate various thicknesses of finishing materials. Determine your installation prior to assembly of this frame kit.

Prior to assembling the framing kit, determine the overall thickness of the non combustible material plus finishing material. Framing must be 516mm minus the overall non combustible/finishing material. Example= 51mm of finishing material per side = 414mm framing width.

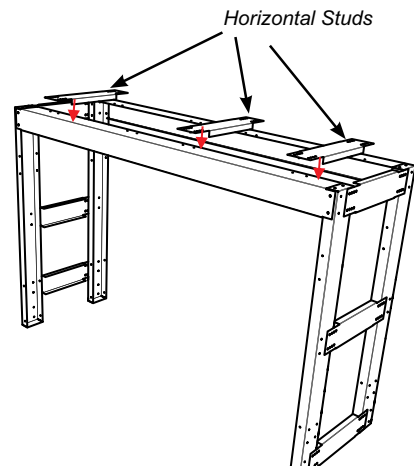
1. Assemble the 2 (two) vertical ends (V) (of the framing kit by securing horizontal studs (H) with 4 (four) screws securing each stud—two on each side. The horizontal studs (H) are adjustable in 12mm increments to accommodate finishing materials - determine the thickness of the finishing materials before securing the horizontal studs (H).



2 Install the 2 long horizontal studs, secure with 2 screws on each end.

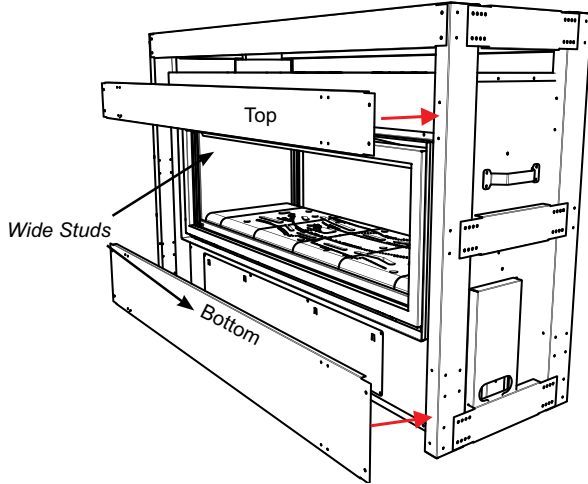


3. Install 3 top horizontal studs with 2 screws on each side.

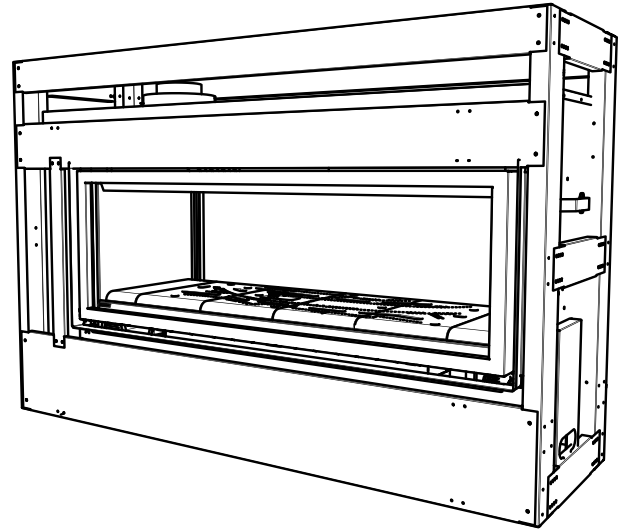


GF1500LST Gas Fireplace

4. Set unit in place, center within framing from each side and also back to front—install 2 (two) wide studs above and below the unit as shown with 2 (two) screws on each side - repeat on opposite side.

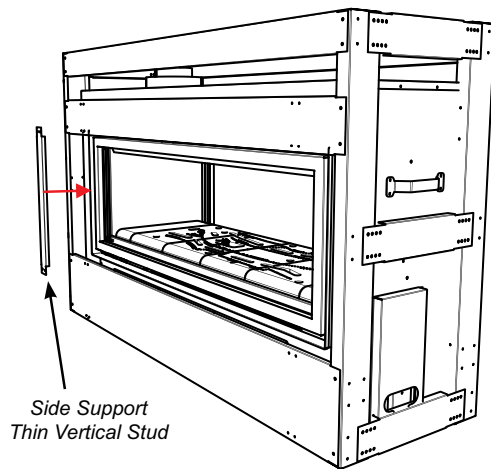


6. Completed framing kit.



5. Install 1(one) thin vertical studs on the left side of the unit as shown with 2(two)screws on each end.

7. Proceed with the installation of non-combustible and finishing materials.



GF1500LST Gas Fireplace

FRAMING & FINISHING

1. Frame in the enclosure for the unit with framing material.

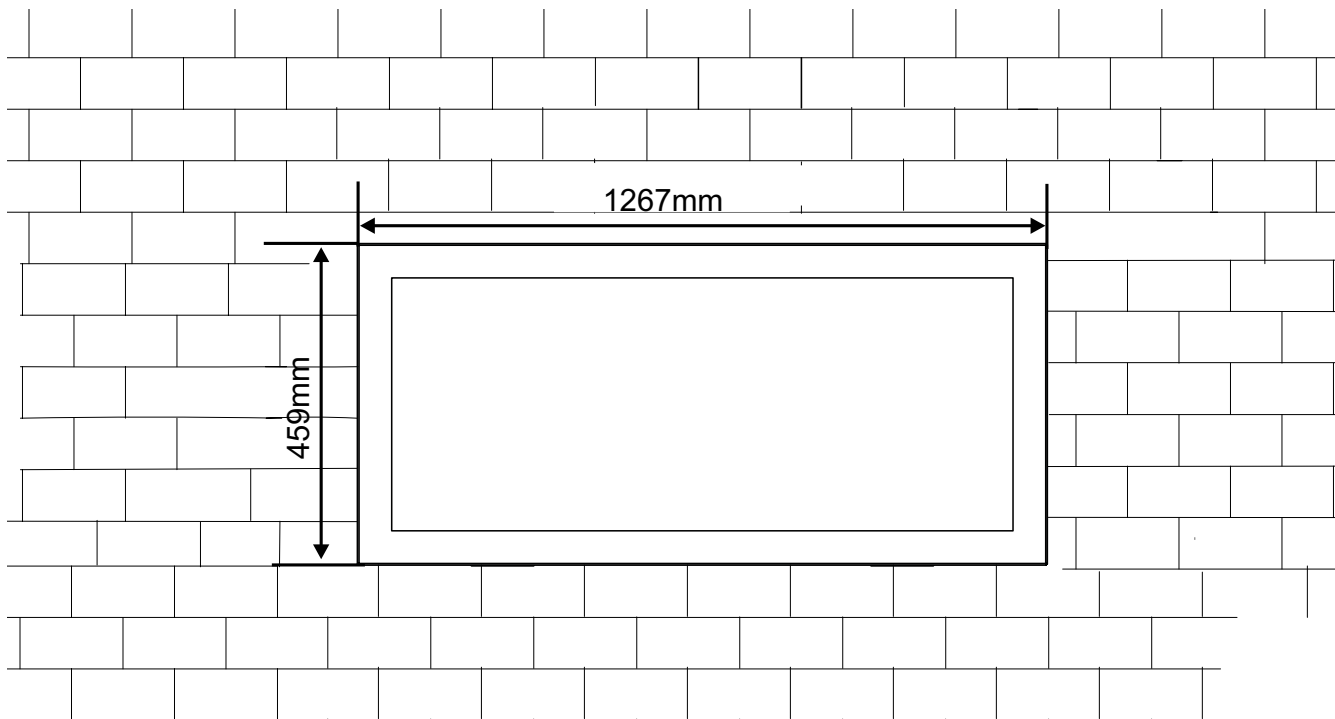
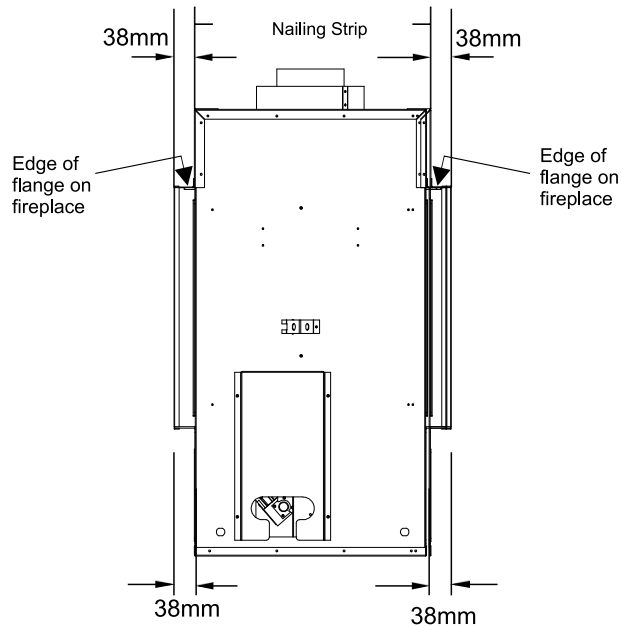
Note: It is beneficial to install the unit, gas connection and flue to the unit prior to the wall facing being installed.

2. For exterior walls, insulate the enclosure to the same degree as the rest of the house, apply vapour barrier and plasterboard, as per local installation codes. **(Do not insulate the fireplace itself.)**

WARNING: Failure to insulate and add vapor barriers to the inside of the exterior wall will result in operational and performance problems including, but not limited to: excessive condensation on glass doors, poor flame package, carbon, blue flames etc. These are not product related issues.

3. The unit does not have to be completely enclosed in a chase. You must maintain clearances from the flue to combustible materials: See "Clearances" section. Combustible materials can be laid against the side and back standoffs and the stove base.

4. **Non-combustible material (ie. tile, slate, etc) may be brought up to and overlap the unit (top and bottom) ensuring that the maximum thickness does not go beyond the 38mm as shown in the diagram below. The faceplate will not be able to be mounted if finished material is beyond 38mm.**



*Unit shown with inner door frame only
Using the clean edge of the unit, shown
in a typical tiled facing*

GF1500LST Gas Fireplace

FRAMING & FINISHING

Finished Material	Nailing Strip Position	
12mm	25mm	<p>Nailing Strip 25mm Forward</p> <p>Unit</p>
25mm	12mm	<p>Nailing Strip 12mm Forward</p> <p>Unit</p>
38mm	0mm (flush)	<p>Nailing Strip Flush w/unit</p> <p>Unit</p>

Note:

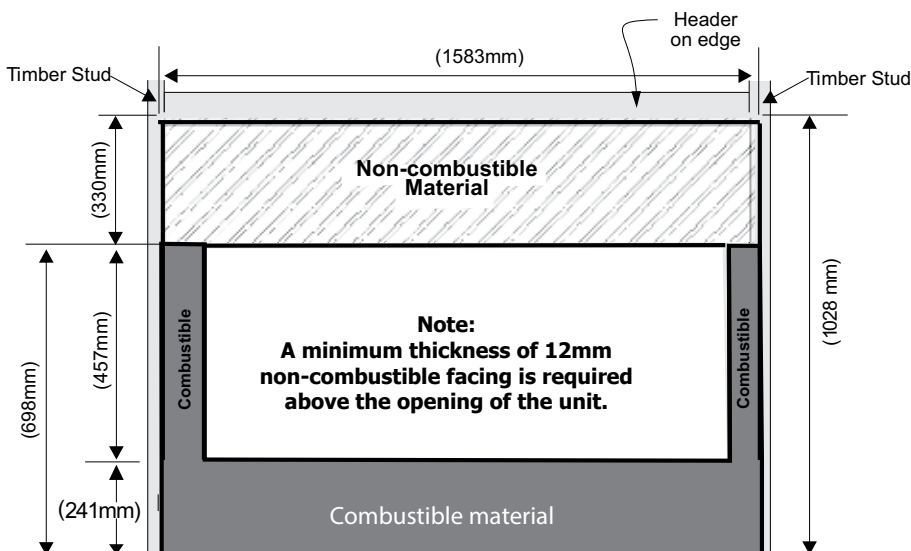
The siding nailing strips are factory set at 12 mm. The top nailing strip is fixed during transit to the rear of the appliance.

Note:

Depending on the material used for finishing, the nailing strips must be set accordingly so that the finished material is always at the 38 mm edge of the flange.

MINIMUM THICKNESS OF THE FINISH MATERIAL: 12MM

COMBUSTIBLE REQUIREMENTS



Note :The appliance must be installed on a flat solid continuous surface, for example a wood, metal or concrete floor. In a raised application e.g. on wall, the appliance must be installed on a sturdy metal, wood or concrete surface extending the full width and depth of the appliance.

NOTE: If raising the unit, then the minimum height measurement (B) on page 11 of the framing dimensions must be adhered to. For example., Unit raised 300mm then B + 300mm = 1311mm.

Note: Clean edge finish/glass is not central in the framework. If glass is to be central in the finished wall, add additional framework accordingly.

GF1500LST Gas Fireplace

FLUEING ARRANGEMENTS

HORIZONTAL TERMINATION (FLEX)

Regency® Direct Vent System

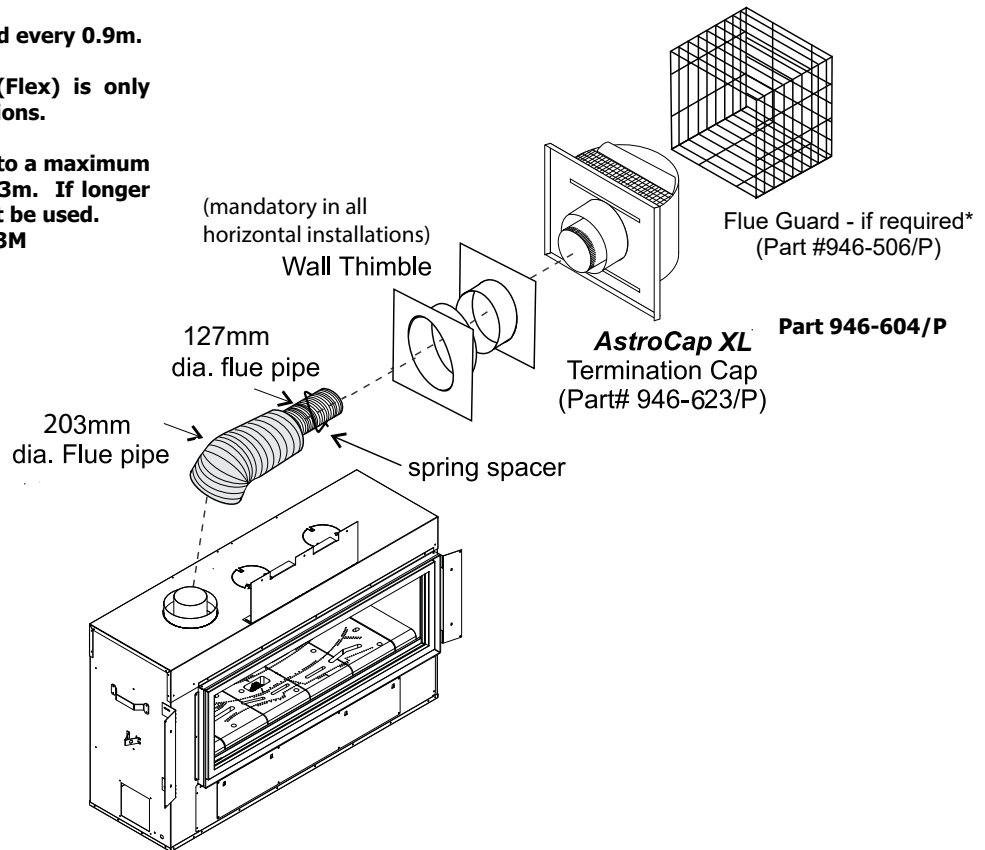
These flueing systems, in combination with GF1500LST, have been tested and listed as a Direct Vent system by IAPMO R&T Oceana. The location of the termination cap must conform to the requirements in the Flue Terminal Locations diagram from the "Exterior Flue Termination Locations" section.

Regency® Direct Vent (Flex) System Termination Kits includes all the parts needed to install the GF1500LST using a flexible vent.

FPI Kit #	Length	Contains:
#946-615	1.2 m	1) 203mm flexible outer liner (Kit length) 2) 127mm flexible inner liner (Kit length) 3) spring spacers 4) thimble
#946-616	3 m	5) AstroCap termination cap 6) screws 7) tube of Mill Pac 8) plated screws 9) S.S. screws #8 x 38mm drill point

Notes:

- 1) Liner sections should be continuous without any joints or seams.
- 2) Only Flex pipe purchased from Regency® may be used for Flex installations
- 3) Horizontal flue must be supported every 0.9m.
- 4) Regency® Direct Vent System (Flex) is only approved for horizontal terminations.
- 5) Flex system can only be used up to a maximum continuous vent length of up to 3m. If longer runs are required, rigid pipe must be used.
NOTE: Maximum horizontal run: 3M



GF1500LST Gas Fireplace

RIGID PIPE FLUEING SYSTEMS BASIC HORIZONTAL & VERTICAL TERMINATIONS

Rigid Pipe Flue Systems offer a complete line of component parts for installation of both horizontal and vertical installations. Many items are offered in decorative black, as well as galvanized finish.

The minimum components required for a basic Horizontal Termination are:

- 1 AstroCap XL Termination Cap
- 1 90 degree Elbow
- 1 Rigid Pipe Adaptor (**Dura Vent Only**)
- 1 Wall Thimble
- 1 Length of rigid pipe to suit wall thickness

The minimum components required for a basic Vertical Termination are:

- 1 Vertical Termination Cap
- 1 Rigid Pipe Adaptor (**Dura Vent Only**)
- 1 Lengths of pipe to adequately penetrate roof
- 1 Flashing (**As required per AS/NZS 5601, to be supplied by installer**)

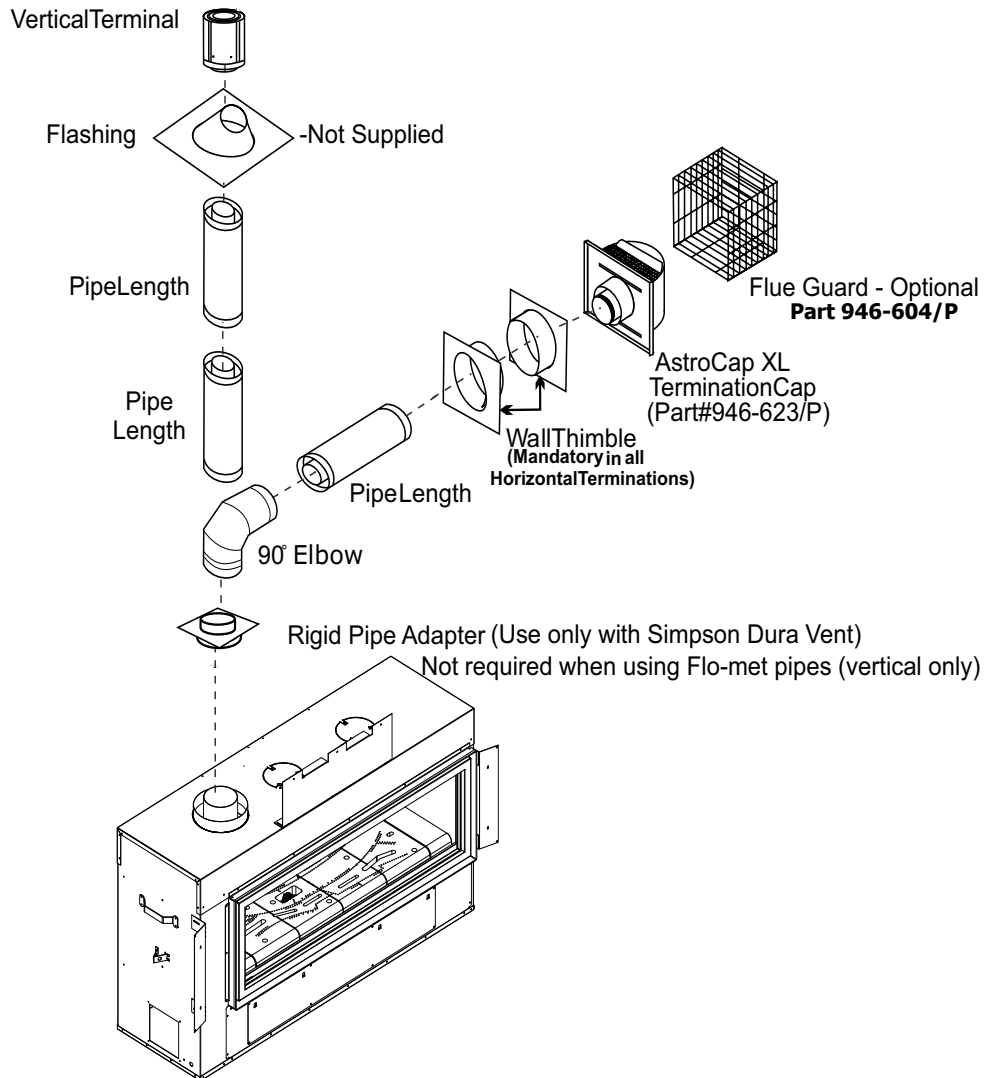
Wall thickness is measured from the back standoffs to the inside mounting surface of termination cap. For siding other than vinyl furring strips may be used, instead of the vinyl siding standoff, to create a level surface to mount the vent terminal. The Terminal must not be recessed into wall cladding. Measure the wall thickness including wall cladding.

WARNING:

Do not combine flueing components from different venting systems.

Exception: However, use of the the AstroCap XL™ is acceptable with all systems.

When using Rigid Flue other than Simpson Dura-Vent, 3 screws must be used to secure rigid pipe to unit.



GF1500LST Gas Fireplace

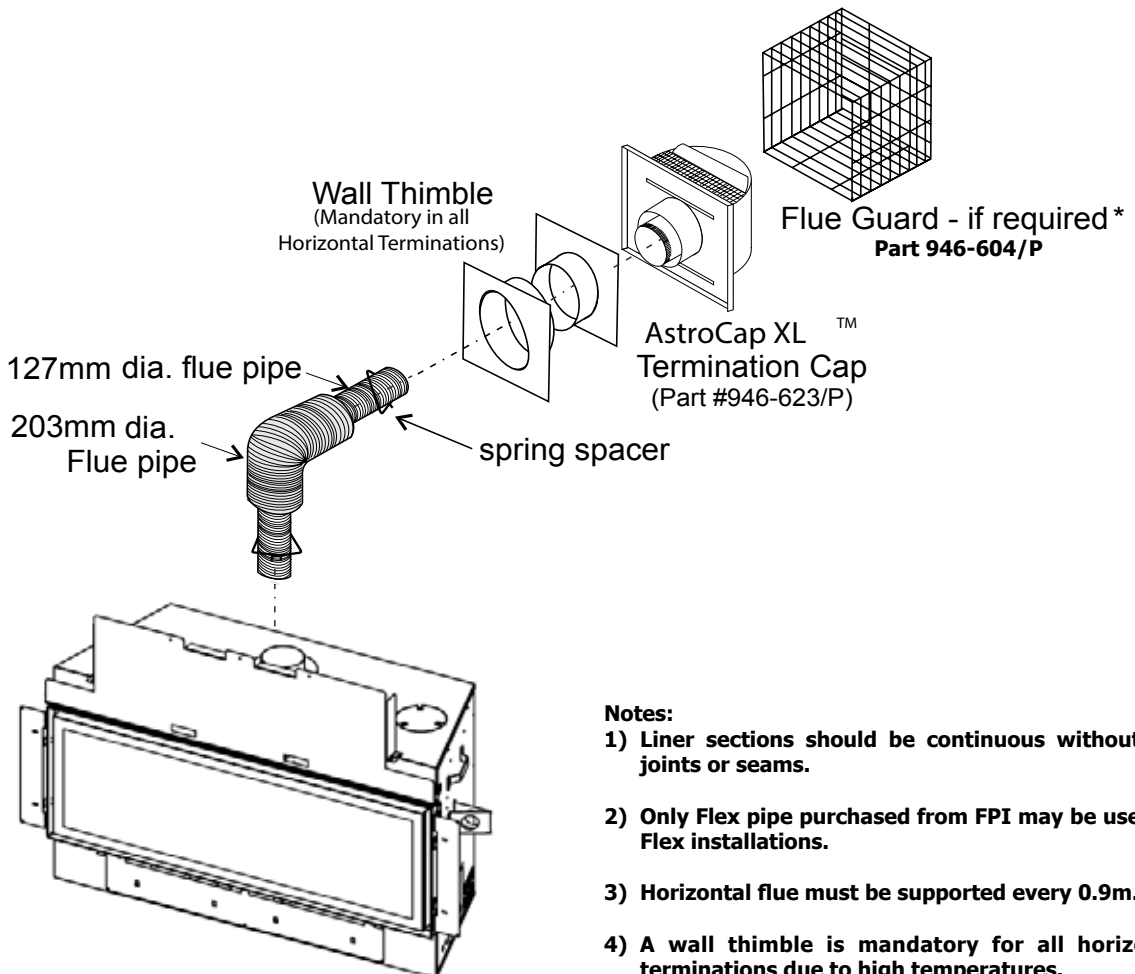
FLUEING ARRANGEMENTS
HORIZONTAL TERMINATION (FLEX)

Regency® Direct Vent System

These flueing systems, in combination with GF1500L, have been tested and listed as a Direct Vent system by AGA. The location of the termination cap must conform to the requirements in the Flue Terminal Locations diagram from the "Exterior Flue Termination Locations" section.

FPI Direct Vent (Flex) System Termination Kits include all the parts needed to install the GF1500L using a flexible vent.

FPI Kit #	Length	Contains:
#946-615	1.2 m	1) 203mm flexible liner (Kit length) 2) 127mm flexible liner (Kit length)
#946-618	1.8 m	3) spring spacers 4) thimble
#946-616	3 m	5) AstroCap termination cap 6) screws 7) tube of Mill Pac 8) plated screws 9) S.S. screws #8 x 38mm drill point



GF1500LST Gas Fireplace

FLUEING INTRODUCTION

The GF1500LST uses the "balanced flue" technology Co-Axial system. The inner liner vents products of combustion to the outside while the outer liner draws outside combustion air into the combustion chamber thereby eliminating the need to use heated room air for combustion and losing warm room air up the flue.

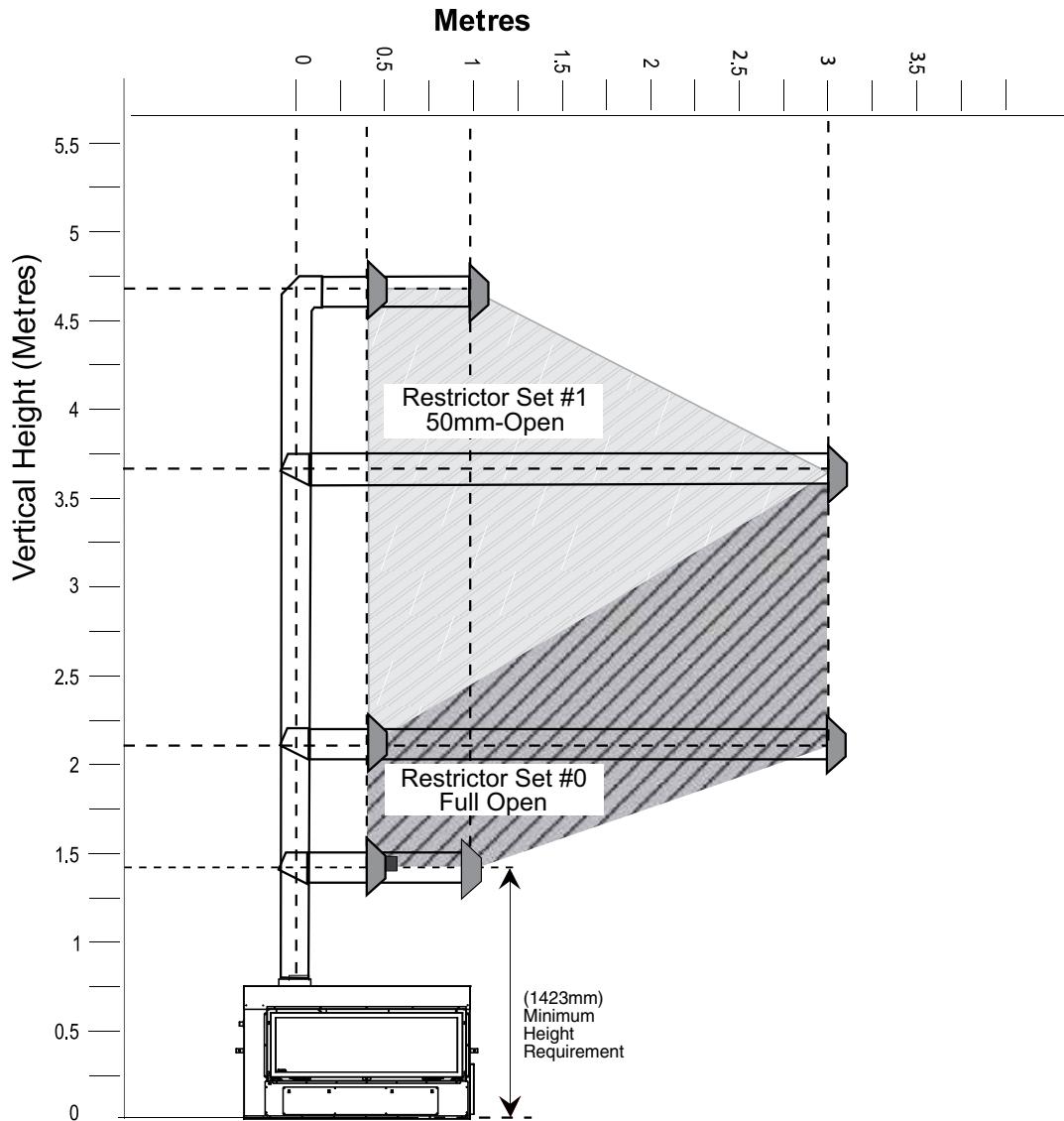
Note: These flue pipes must not be connected to any other appliance.

The gas appliance and flue system must be vented directly to the outside of the building, and never be attached to a flue system serving a separate solid fuel or gas burning appliance. Each direct vent gas appliance must use it's own separate flue system. Common flue systems are prohibited.

FLUEING ARRANGEMENT FOR HORIZONTAL TERMINATIONS

The diagram shows all allowable combinations of vertical runs with horizontal terminations, using one 90° (two 45° elbows equal one 90° elbow).

Note: Must use optional rigid pipe adapter (Part# 770-994) when using Simpson DuraVent Only.



FLUE RESTRICTOR SETTING:

Flue restrictor factory set at Set 0.

Refer to the "Flue Restrictor Position" section for details on how to change the flue restrictor from the factory setting of Set 0 to Set 3 if required.

- Maintain clearances to combustibles as listed in "Clearances" section
- Horizontal flue must be supported every 0.9m
- A flue guard should be used whenever the termination is lower than the specified minimum or as per local codes.
- Flex system can only be used up to 3m - otherwise rigid system must be used.

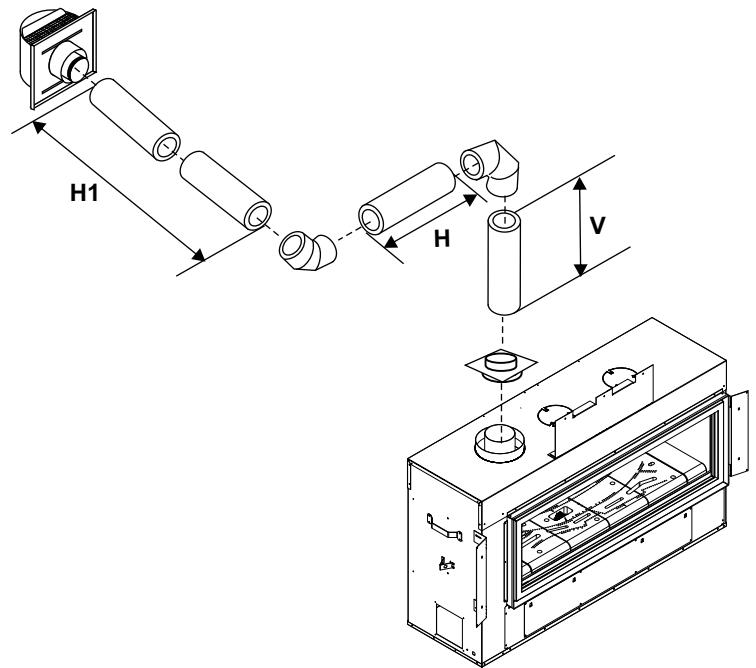
GF1500LST Gas Fireplace

HORIZONTAL VENTING WITH TWO (2) 90° ELBOWS

<i>One 90° elbow = Two 45° elbows.</i>		
Option	V	H + H1
A)	0.6m min.	0.6m max.
B)	0.9m min.	1.2m max.
C)	1.2m min.	1.8m max.
D)	1.5m min.	3.0m max.
<p><i>With these options, maximum total pipe length is 4.5m with minimum of 1.5m of vertical.</i></p> <p><i>Please note min. 0.3m between 90° elbows is required.</i></p>		
<p><i>Lengths do not include elbow indicated.</i></p>		<p><i>Restrictor Set 0 Factory set - fully open</i></p>

Notes:

1. Liner sections should be continuous without any joints or seams.
2. Only Flex pipe purchased from FPI may be used for Flex installations.
3. Horizontal flue must be supported every 0.9 m.
4. A wall thimble is mandatory for all horizontal terminations due to high temperatures.



GF1500LST Gas Fireplace

FLUEING ARRANGEMENTS ALLOWABLE VERTICAL TERMINATIONS

The shaded area in the diagram shows all allowable combinations of straight vertical and offset to vertical terminations, using two 90° elbows, with **Rigid Pipe Venting Systems**. Two 45° elbows equal to one 90° elbow. Maximum of four 45° elbows allowed.

"THIS UNIT MUST ALWAYS TERMINATE / VENT DIRECTLY TO THE OUTDOORS."

Please note min. 0.3m between 90° elbows is required.

- Vent must be supported at offsets.
- Maintain clearances to combustibles as listed in the "Clearances" section.
- Refer to the "Vent Restrictor Position" section for details on how to change the vent restrictor from the factory setting to Set 2 or Set 3, if required.

Note: Must use optional flue adaptor when using Duravent Rigid Pipe (Part # 770-994).

