SEE-THRU

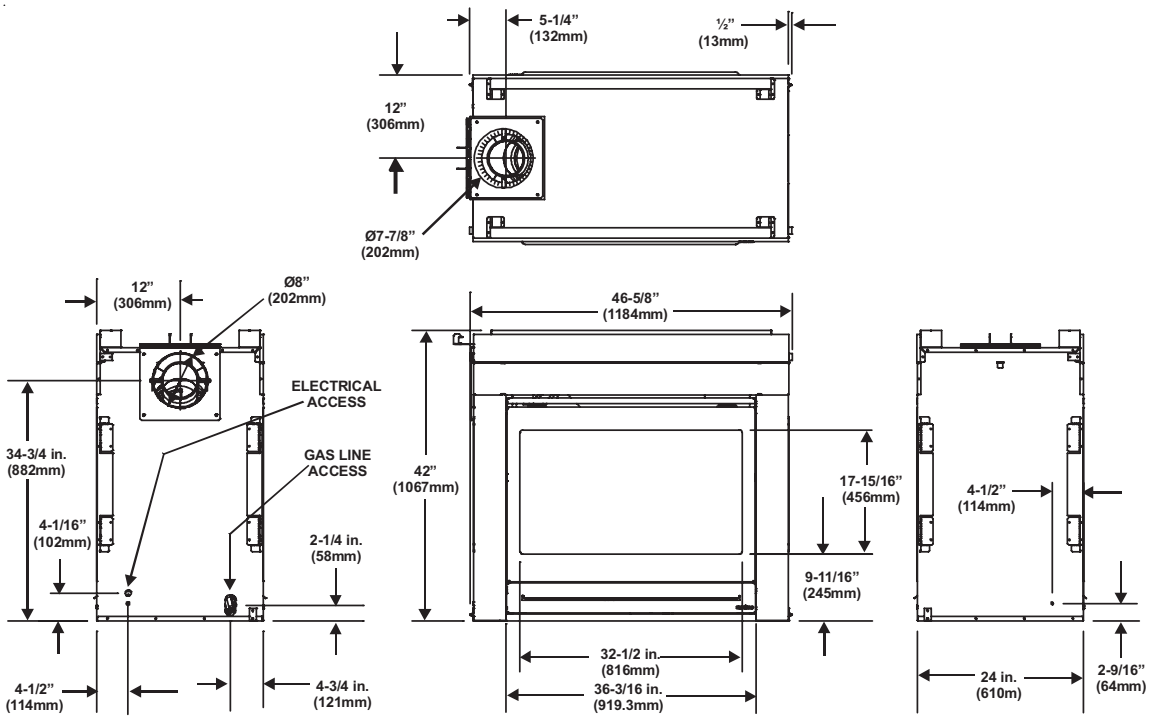
FEATURES

- IntelliFire Ignition System
- Ceramic Fibre CampFire Style Logs
- 44 Mj/h Input
- Variable Valve
- High Thermal Efficiency
- Sealed Combustion Chamber
- Ceramic Glass
- Balanced Flue Technology
- Energy Saving 70% Efficiency
- Standard Black Front, Hood & Mesh
- Variable Speed Fan with Heat Sensor
- Standard Cord with Plug
- Multi-function Remote Control
- A.G.A. Approval # 6027

BENEFITS

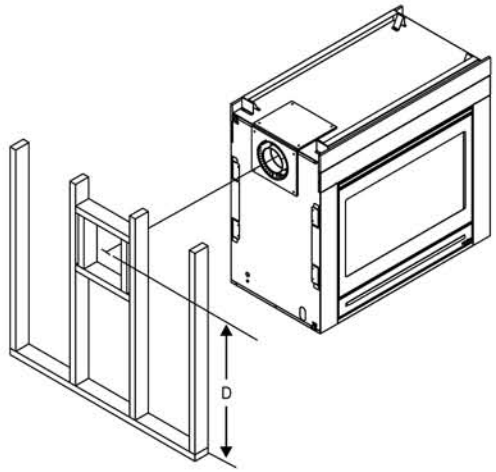
- Looks and Feel of a Traditional Campfire
- Generous Flames & Maximised Heat Output
- Variable Flame Height
- Works in Negative Pressure Situations & No Cold Drafts
- Safe at High Temperatures
- Approved as a Wall Furnace for Supplemental Heat & Can be Used with a Thermostat
- Realistic Looking Fireplace
- Effective Heat Circulation
- Easy Electrical Hookup
- Remote Provides On/Off, Flame Height & Timer Control
- Safety Tested

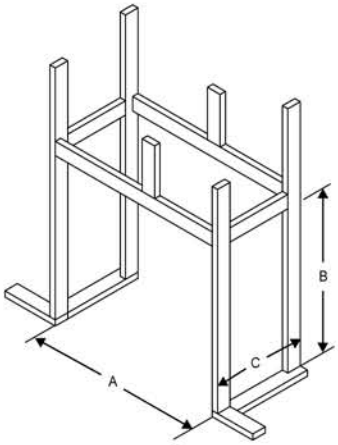
SPECIFICATIONS

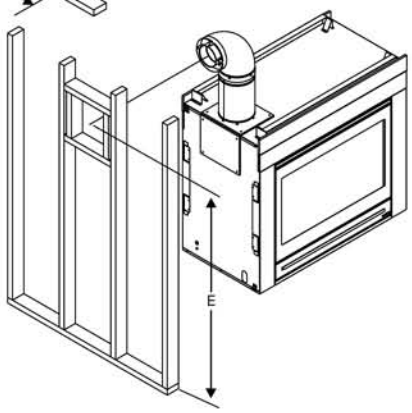


SPECIFICATIONS									
Model ST-HVBI-AU	Height		Front Width		Back Width		Depth		Viewing Area
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing	
Millimeters	1067	1080	1183	1210	1183	1210	610	586	815 x 455

Reference dimensions only. We recommend measuring individual units at installation.







Shows centre of 254mm x 305mm flue framing holes for top and rear flueing. The centre of the hole is 25.4mm above the centre of the horizontal flue pipe Framing should be constructed of 51mm x 102mm lumber or heavier.

A	B	C	D	E
1210mm	1080mm	586mm	909mm	1370mm

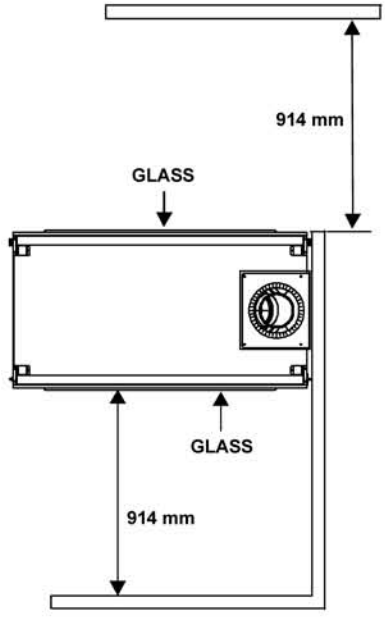
Framing Dimensions

Framing the Heater

Framing can be built before or after the heater is set in place. Framing should be positioned to accommodate wall coverings and heater facing materials. The diagrams show framing dimensions.

CAUTION: *Measure heater dimensions and verify framing methods and wall covering details, before framing construction begins.*

Unit must be installed and flue run complete prior to the hanging of plasterboard sheet.



Heater Dimensions and Locations

Minimum Clearances from the Heater to Combustible Materials	
	mm
Glass Sides or Ends	914
Floor	0
Rear Flue	13
Metal Sides or Ends	13
Top	64
Ceiling*	787

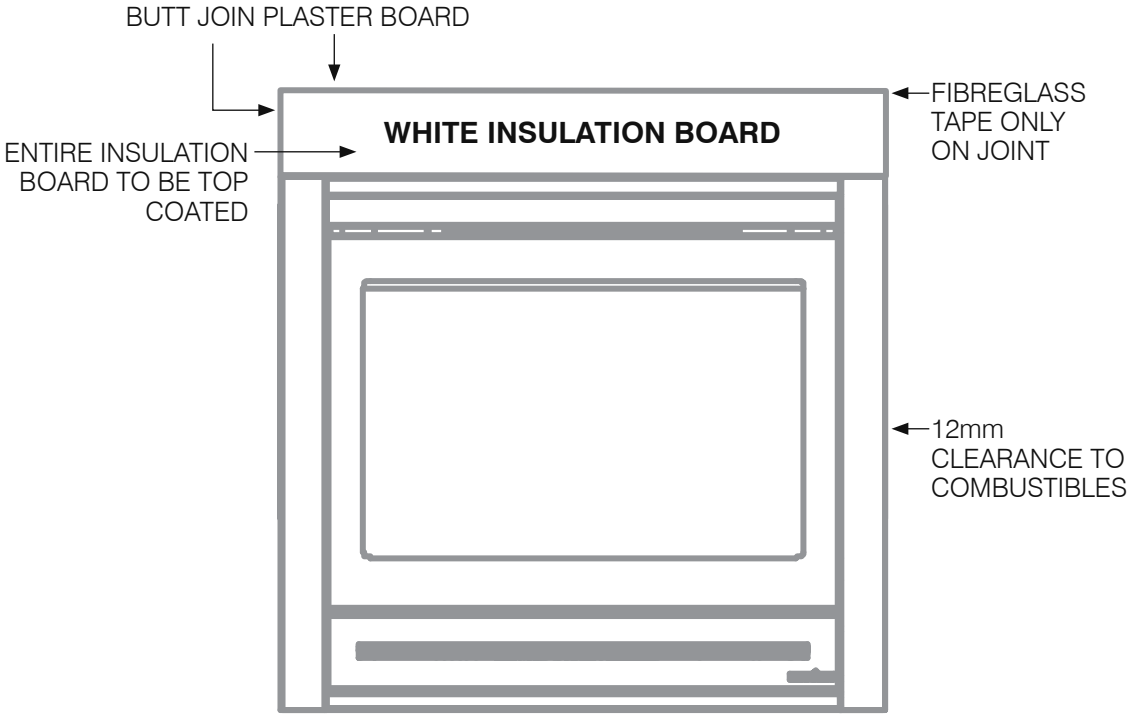
* The clearance to the ceiling is measured from the top of the unit, excluding the standoffs.

Minimum Clearance from the Flue Pipe to Combustible Materials						
For Horizontal Sections			For Vertical Sections	At Wall Firestops		
Top	Bottom	Sides	25 mm	Top	Bottom	Sides
75 mm	25 mm	25 mm		64 mm	13 mm	25 mm

INSTALLATION ST-HVBI-AU

NOTE – Unit must be installed prior to plaster sheeting.

- Position unit into framed opening with minimum clearances as per specifications on following pages. Frame opening height is from the bottom of unit. Allowances need to be made if unit is raised for hearth or 4 sided trim.
- If unit is raised or installed on carpeting or tiles, or on any combustible material other than timber flooring, the heater must be installed on a metal or wood panel that extends the full width and depth of the heater.
- Run flues in accordance with the options in the installation manual Figs 7 – 15.
- Flue run options vary depending on gas type (eg: LPG/NG)
- Retain 12mm clearance between plaster board and vertical sides of unit. Butt join plaster board and white insulation board at top of heater. USING ONLY FIBREGLASS TAPE finish insulation board to plasterboard as per normal plasterboard procedures. Ensure that top coat finish extends down to top of heater, as indicated in diagram below. Insulation board will remain exposed as part of the finished plaster face.



Gas Pipe Requirements

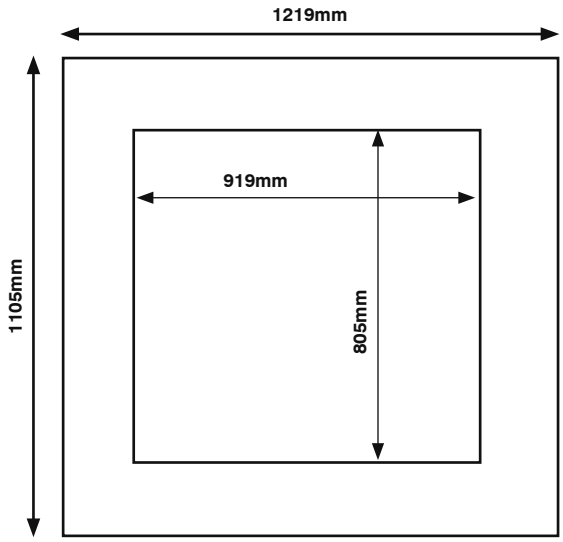
1 If polyethylene composite gas pipe is to be used, a clearance of 150mm must be maintained from all flues.
2 Polyethylene composite gas pipe must not be used as the final connection onto the heater.
3 Leave a 1 metre tail of 1/2 inch copper pipe.
4 Gas point on same side as flue.

IMPORTANT NOTICE - Depth of stud frame must be 586mm

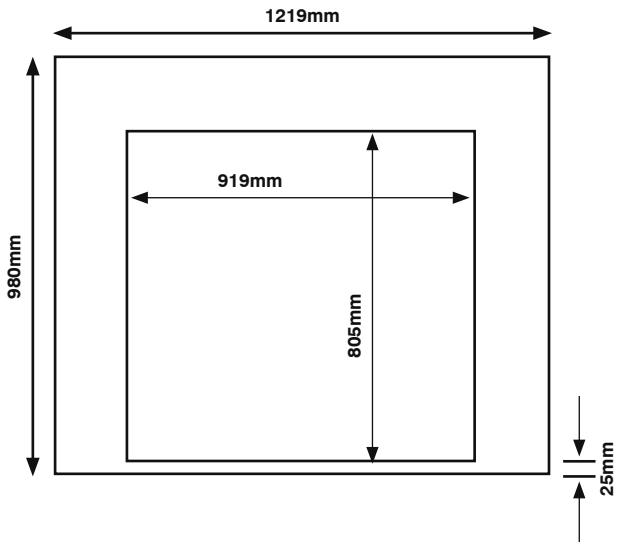
Clearance Requirements

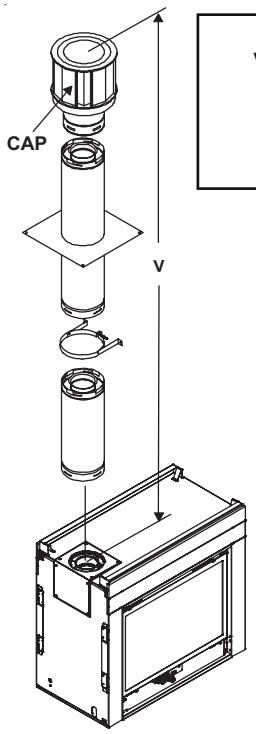
The top, back, and sides of the heater are defined by stand-offs.
The minimum clearance to a perpendicular wall extending past the face of the heater is 25mm.

4 sided metal trim option



3 sided metal trim option





Straight Up
Vertical Flueing

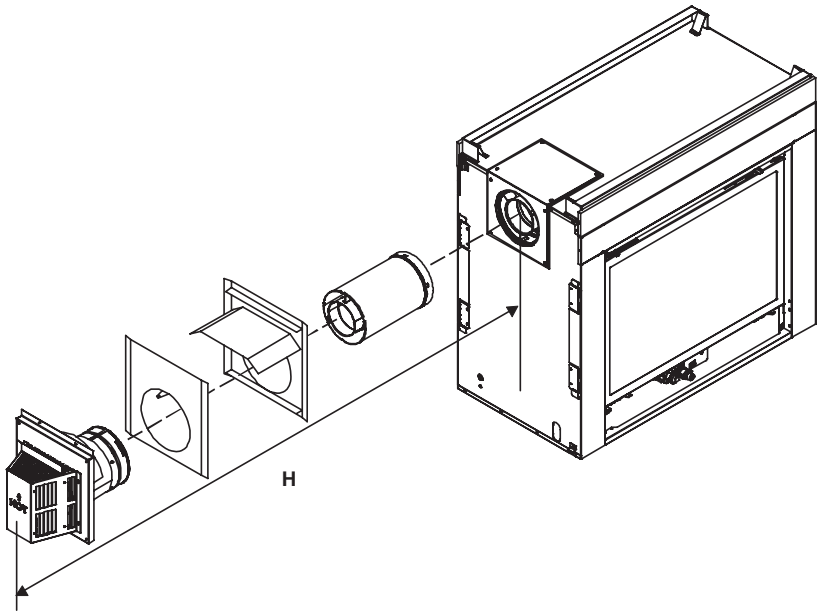
V

12.20m max.

Straight Up
Horizontal Flueing

H

610mm max.



SEE-THRU

NATURAL GAS
Flueing with One (1) 90° Elbow

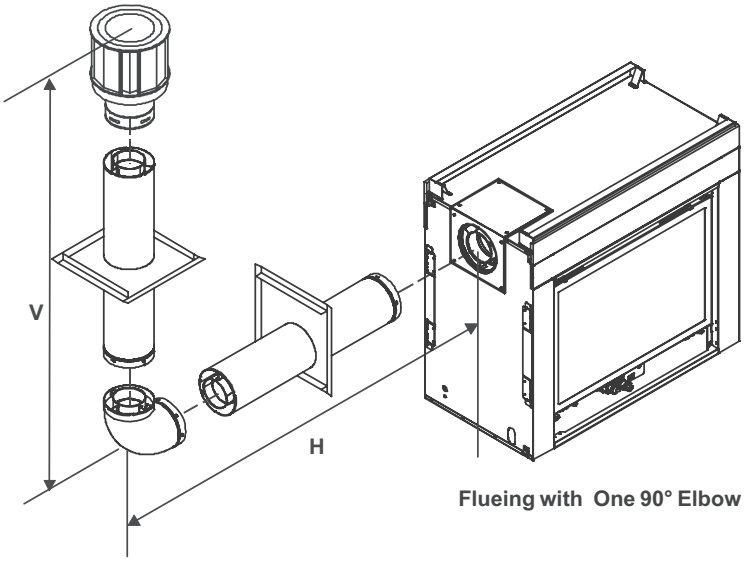
V	H
305mm min.	914mm max.
610mm min.	1.83m max.
914mm min.	2.70m max.
1.22m min.	3.60m max.
1.50m min.	4.50m max.
1.83m min.	5.50m max.

V + H = 12.20m max.

PROPANE
Flueing with One (1) 90° Elbow

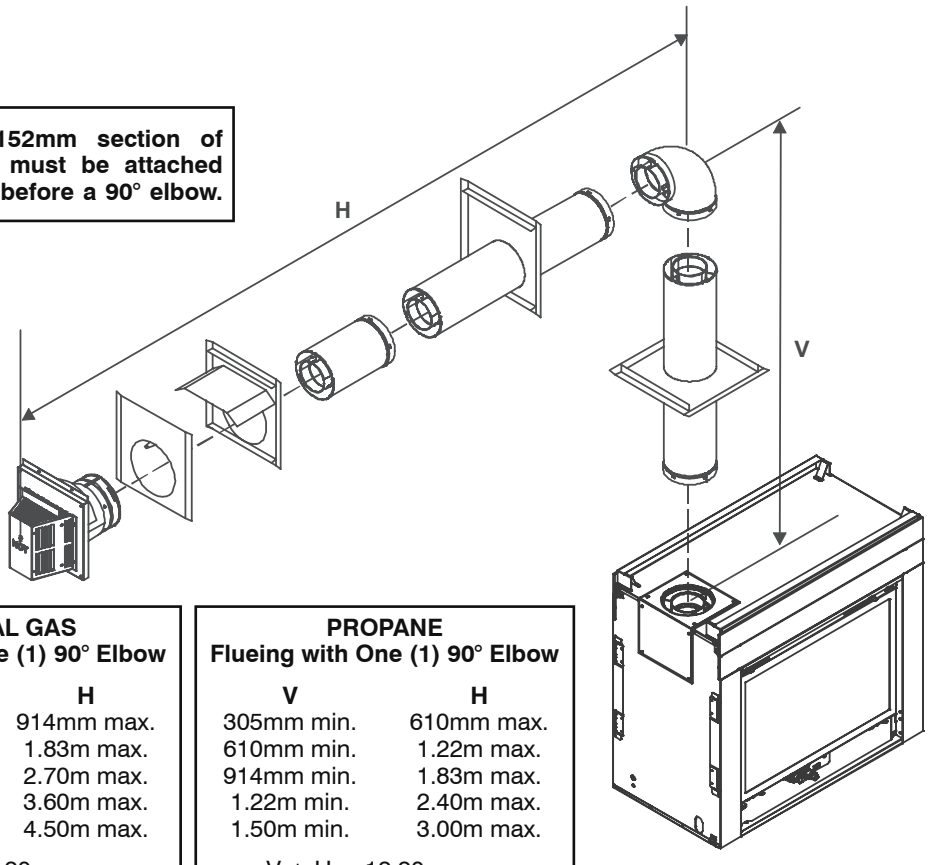
V	H
305mm min.	610mm max.
610mm min.	1.22m max.
914mm min.	1.83m max.
1.22m min.	2.40m max.
1.50m min.	3.00m max.
1.83m min.	3.60m max.

V + H = 12.20m max.



Flueing with One 90° Elbow

NOTE: A 152mm section of straight pipe must be attached to the heater before a 90° elbow.



Flueing with One 90° Elbow

NATURAL GAS
Flueing with One (1) 90° Elbow

V	H
305mm min.	914mm max.
610mm min.	1.83m max.
914mm min.	2.70m max.
1.22m min.	3.60m max.
1.50m min.	4.50m max.

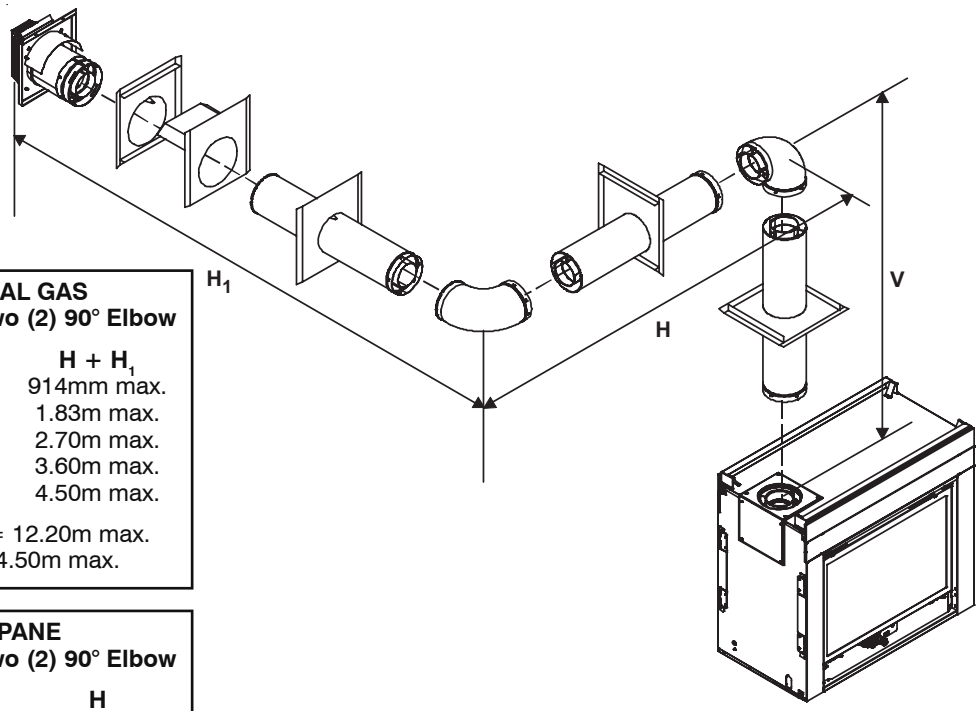
V + H = 12.20m max.

PROPANE
Flueing with One (1) 90° Elbow

V	H
305mm min.	610mm max.
610mm min.	1.22m max.
914mm min.	1.83m max.
1.22m min.	2.40m max.
1.50m min.	3.00m max.

V + H = 12.20m max.

SEE-THRU



NATURAL GAS
Flueing with Two (2) 90° Elbow

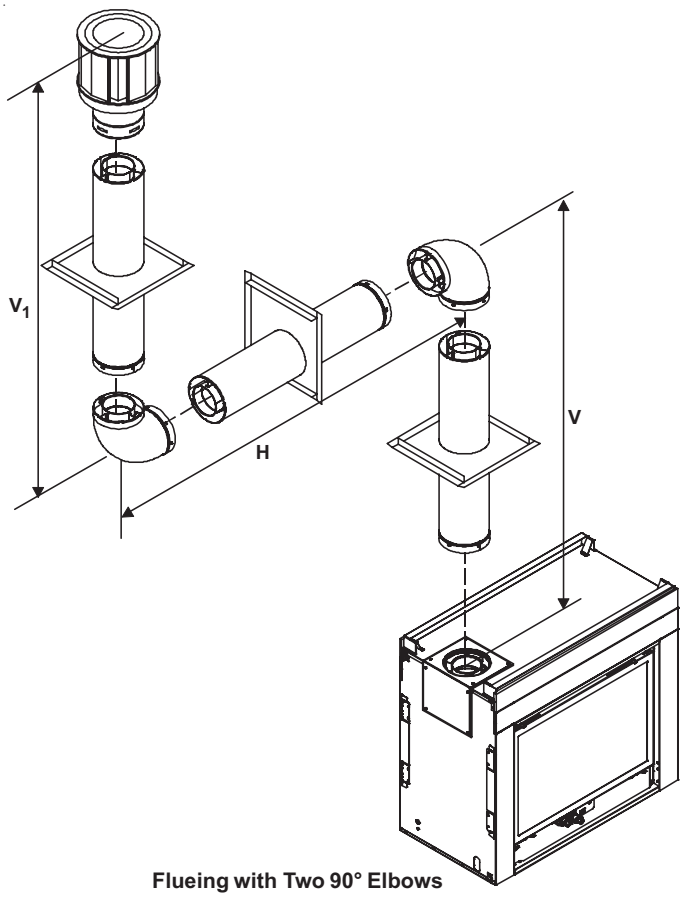
V	$H + H_1$
305mm min.	914mm max.
610mm min.	1.83m max.
914mm min.	2.70m max.
1.22m min.	3.60m max.
1.50m min.	4.50m max.

$V + H + H_1$ = 12.20m max.
$H + H_1$ = 4.50m max.

PROPANE
Flueing with Two (2) 90° Elbow

V	H
305mm min.	610mm max.
610mm min.	1.22m max.
914mm min.	1.83m max.
1.22m min.	2.40m max.
1.50m min.	3.00m max.

$V + H + H_1$ = 12.20m max.
$H + H_1$ = 3.00m max.



NATURAL GAS
Flueing with Two (2) 90° Elbow

$V + V_1$	H
305mm min.	914mm max.
610mm min.	1.83m max.
914mm min.	2.70m max.
1.22m min.	3.60m max.
1.50m min.	4.50m max.

$V + V_1 + H$ = 12.20m max.

PROPANE
Flueing with Two (2) 90° Elbow

$V + V_1$	H
305mm min.	610mm max.
610mm min.	1.22m max.
914mm min.	1.83m max.
1.22m min.	2.40m max.
1.50m min.	3.00m max.

$V + V_1 + H$ = 12.20m max.

Flueing with Two 90° Elbows

NATURAL GAS
Flueing with Two (2) 90° Elbow

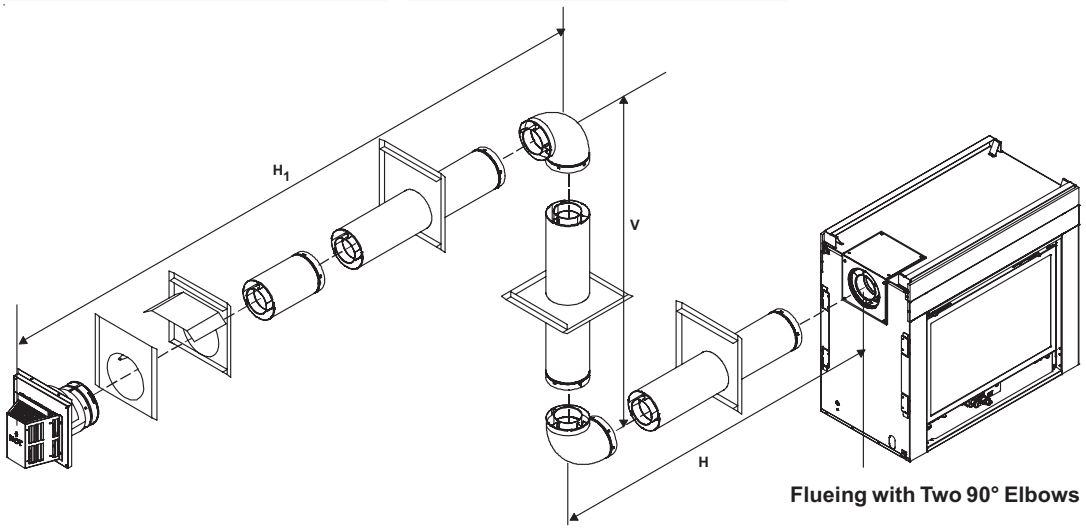
V	$H + H_1$
305mm min.	914mm max.
610mm min.	1.83m max.
914mm min.	2.70m max.
1.22m min.	3.60m max.
1.50m min.	4.50m max.

$V + H + H_1$ = 12.20m max.
$H + H_1$ = 4.50m max.

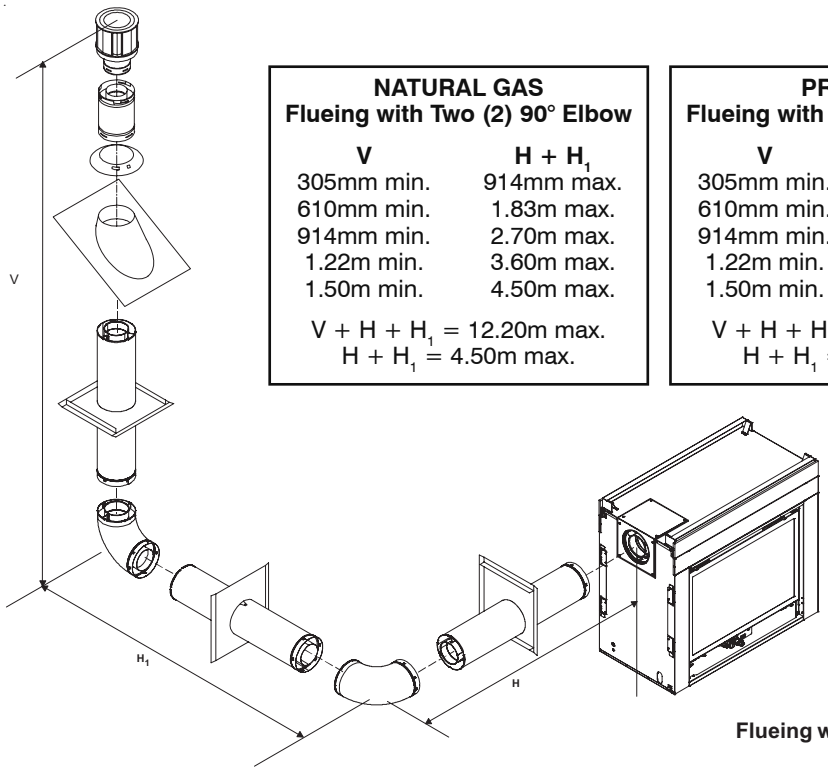
PROPANE
Flueing with Two (2) 90° Elbow

V	$H + H_1$
305mm min.	610mm max.
610mm min.	1.22m max.
914mm min.	1.83m max.
1.22m min.	2.40m max.
1.50m min.	3.00m max.

$V + H + H_1$ = 12.20m max.
$H + H_1$ = 3.00m max.



Flueing with Two 90° Elbows



NATURAL GAS
Flueing with Two (2) 90° Elbow

V	$H + H_1$
305mm min.	914mm max.
610mm min.	1.83m max.
914mm min.	2.70m max.
1.22m min.	3.60m max.
1.50m min.	4.50m max.

$V + H + H_1$ = 12.20m max.
$H + H_1$ = 4.50m max.

PROPANE
Flueing with Two (2) 90° Elbow

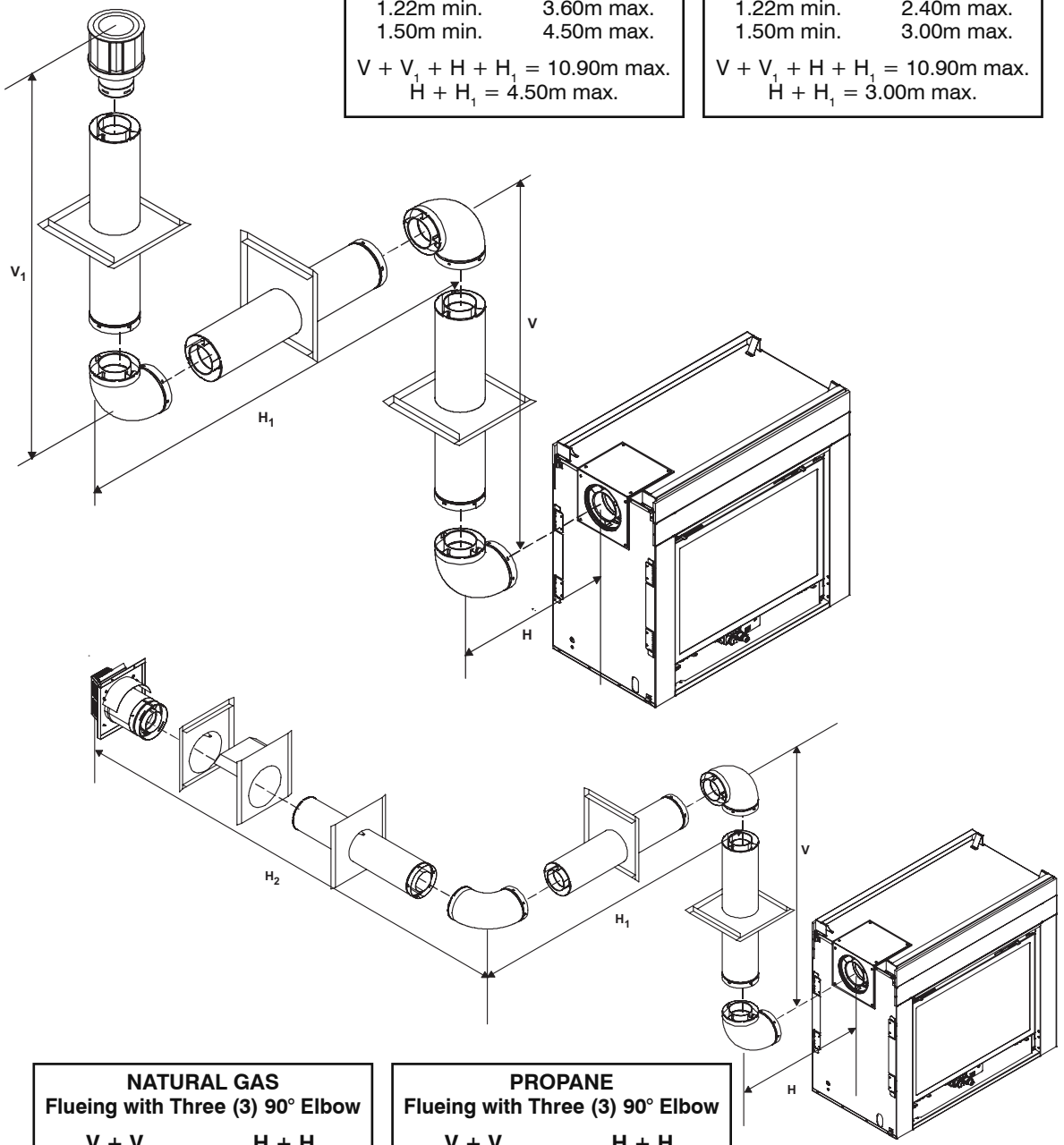
V	$H + H_1$
305mm min.	610mm max.
610mm min.	1.22m max.
914mm min.	1.83m max.
1.22m min.	2.40m max.
1.50m min.	3.00m max.

$V + H + H_1$ = 12.20m max.
$H + H_1$ = 3.00m max.

Flueing with Two 90° Elbows

NATURAL GAS Flueing with Three (3) 90° Elbow	
$V + V_1$	**$H + H_1$**
305mm min.	914mm max.
610mm min.	1.83m max.
914mm min.	2.70m max.
1.22m min.	3.60m max.
1.50m min.	4.50m max.
$V + V_1 + H + H_1$ = 10.90m max.	
$H + H_1$ = 4.50m max.	

PROPANE Flueing with Three (3) 90° Elbow	
$V + V_1$	**$H + H_1$**
305mm min.	610mm max.
610mm min.	1.22m max.
914mm min.	1.83m max.
1.22m min.	2.40m max.
1.50m min.	3.00m max.
$V + V_1 + H + H_1$ = 10.90m max.	
$H + H_1$ = 3.00m max.	



NATURAL GAS Flueing with Three (3) 90° Elbow	
$V + V_1$	**$H + H_1$**
305mm min.	914mm max.
610mm min.	1.83m max.
914mm min.	2.70m max.
1.22m min.	3.60m max.
$V + V_1 + H + H_1 + H_2$ = 10.90m max.	
$H + H_1 + H_2$ = 3.60m max.	

PROPANE Flueing with Three (3) 90° Elbow	
$V + V_1$	**$H + H_1$**
305mm min.	610mm max.
610mm min.	1.22m max.
914mm min.	1.83m max.
1.22m min.	2.40m max.
$V + V_1 + H + H_1 + H_2$ = 10.90m max.	
$H + H_1 + H_2$ = 2.40m max.	

Flueing with three 90° elbows

SEE-THRU

NATURAL GAS
Flueing with Three (3) 90° Elbow

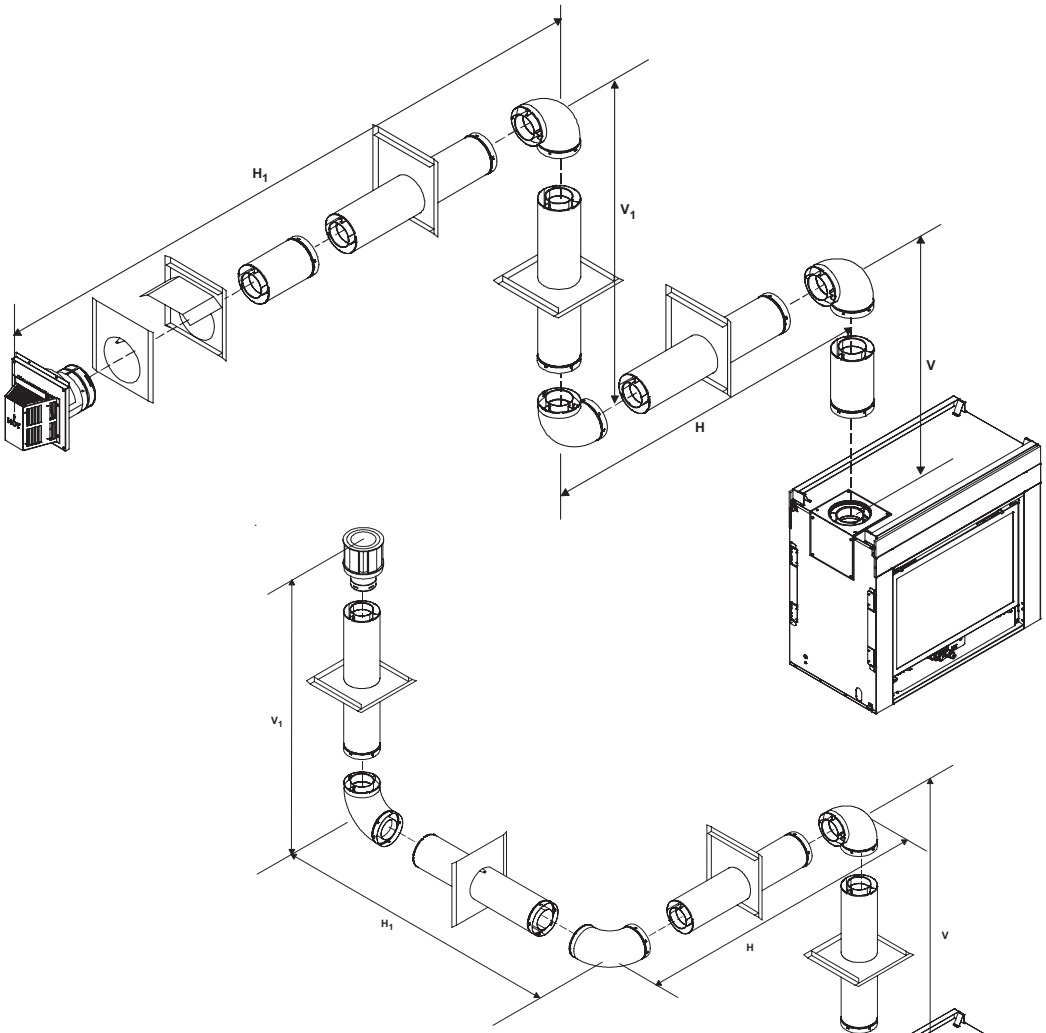
$V + V_1$	$H + H_1$
305mm min.	914mm max.
610mm min.	1.83m max.
914mm min.	2.70m max.
1.22m min.	3.60m max.

$V + V_1 + H + H_1 = 10.90m$ max.
$H + H_1 = 3.60m$ max.

PROPANE
Flueing with Three (3) 90° Elbow

$V + V_1$	$H + H_1$
305mm min.	610mm max.
610mm min.	1.22m max.
914mm min.	1.83m max.
1.22m min.	2.40m max.

$V + V_1 + H + H_1 = 10.90m$ max.
$H + H_1 = 2.40m$ max.



NATURAL GAS
Flueing with Three (3) 90° Elbow

$V + V_1$	$H + H_1$
305mm min.	914mm max.
610mm min.	1.83m max.
914mm min.	2.70m max.
1.22m min.	3.60m max.
1.50m min.	4.50m max.

$V + V_1 + H + H_1 = 10.90m$ max.
$H + H_1 = 4.50m$ max.

PROPANE
Flueing with Three (3) 90° Elbow

$V + V_1$	$H + H_1$
305mm min.	610mm max.
610mm min.	1.22m max.
914mm min.	1.83m max.
1.22m min.	2.40m max.
1.50m min.	3.00m max.

$V + V_1 + H + H_1 = 10.90m$ max.
$H + H_1 = 3.00m$ max.

Flueing with three 90° elbows