



Fire Your Imagination

Studio 2

Balanced Flue with Thermostatic Remote Control



Installation Instructions

For use in AU (Australia).

IMPORTANT

INSTALLATION AND SERVICING MUST ONLY BE CARRIED OUT BY AUTHORISED PERSONNEL.

THE OUTER CASING, FRONT AND GLASS PANEL BECOME EXTREMELY HOT DURING OPERATION AND WILL RESULT IN SERIOUS INJURY AND BURNS IF TOUCHED. IT IS THEREFORE RECOMMENDED THAT A FIREGUARD IS USED IN THE PRESENCE OF YOUNG CHILDREN, THE ELDERLY OR INFIRM.

This product contains a heat resistant glass panel. This panel should be checked during Installation and at each servicing interval. If any damage is observed on the front face of the glass panel (scratches, scores, cracks or other surface defects), the glass panel must be replaced and the appliance must not be used until a replacement is installed. Under no circumstances should the appliance be used if any damage is observed, the glass panel is removed or broken.

DO NOT DISCARD: These Instructions must be left with the appliance for future reference and for consultation when servicing the appliance. Please make the customer aware of the correct operation of the appliance before leaving these instructions with them.

The commissioning sheet found on Page 3 of this Instruction manual must be completed by the Installer prior to leaving the premises.

Contents

Studio 2 Balanced Flue

Covering the following models:

Natural Gas	Propane Gas
8701BFLECAU	P8701BFLECAU

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WARRANTY

For the length, terms and conditions of the product warranty available in your region please consult your Gazco retailer.



- DO NOT OPERATE THIS APPLIANCE BEFORE READING THE INSTRUCTION BOOKLET.**
- DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.**
- DO NOT USE OR STORE FLAMMABLE MATERIALS NEAR THIS APPLIANCE.**
- DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.**
- DO NOT OPERATE WITH PANELS, COVERS OR GUARDS REMOVED FROM THE APPLIANCE**
- DO NOT MODIFY THIS APPLIANCE.**

Appliance Commissioning Checklist

To assist us in any guarantee claim please complete the following information:-


IMPORTANT NOTICE

Explain the operation of the appliance to the end user, hand the completed instructions to them for safe keeping, as the information will be required when making any guaranteed claims.

FLUE CHECK	PASS	FAIL
1. Flue is correct for appliance		
GAS CHECK		
1. Gas soundness test		
2. Standing gas Inlet pressure	kPa	kPa
3. Appliance working Inlet pressure (on High Setting) Natural Gas 1.13kPa, Propane 2.75kPa NB All other gas appliances must be operating on full	kPa	kPa
4. Gas Burner Pressure (on high setting) Natural Gas 0,88kPa, Propane 2.45kPa	kPa	kPa

RETAILER AND INSTALLER INFORMATION

Retailer	Installation Company
.....
.....
Contact No.	Engineer
Date of Purchase	Contact No.
Model No.	Installer Reg No.
Serial No.	Date of Installation
Gas Type	

 **END USER:** Please keep this information safe for future reference.

Installation Instructions

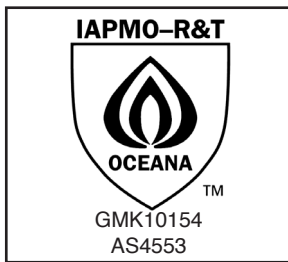
Technical Specification

Covering the following models:

Natural Gas	Propane Gas
8701BFLECAU	P8701BFLECAU

Log Versions

Model	Gas Type	Minimum Supply Pressure	Outlet Pressure	Aeration	Injector	Gas Rate m ³ /h	Input MJ/h (Gross)		Country
							High	Low	
Studio 2	Natural Gas	1.13kPa	0.88kPa	10mm x 16mm	2.95mm	0.890	30	15	AU
	Propane Gas	2.75kPa	2.45kPa	16mm x 23mm (x2)	1.65mm	0.319	30	15	AU
Flue Outlet Size Ø 100mm									
Flue Inlet Size Ø 150mm									
Gas Inlet Connection Size Ø 8mm or ½" BSP with optional adapter									



RESTRICTOR REQUIREMENT

VERTICAL & HORIZONTAL FLUE			TOP EXIT - VERTICAL ONLY INCLUDING OFFSET	
STUDIO 2 BF			STUDIO 2 BF	
700mm - 1490mm	Up to 1000mm	No restrictor	3000mm - 4990mm	Ø 60mm
1500mm - 2490mm	Up to 5000mm	No restrictor	5000mm - 10,000mm	Ø 52mm
2500mm - 3000mm	Up to 5000mm	75mm Ø		



Gas installation of this appliance must be in accordance with ASNZ5601.1-2013

Installation Instructions

Technical Specification

PACKING CHECKLIST

Qty Description	Fixing Kit containing:
Log Version:	1 x Instruction Manual
1 x Log Set	4 x Wood Screws
1 x Vermiculite	4 x Wall Plugs
1 x Bag Embaglow material	1 x Handset
	4 x AA cell batteries
	1 x 9v cell batteries
	1 x Wall box
	1 x Wall plate
	1 x Battery holder
	1 x Foam seal
	1 x ½" BSP - 8mm gas inlet adapter & pipe

TO BE INSTALLED ONLY BY AN AUTHORISED PERSON
TO BE INSTALLED ON A NON-COMBUSTABLE FLOOR



DO NOT OPERATE THIS APPLIANCE BEFORE READING THE INSTRUCTION BOOKLET

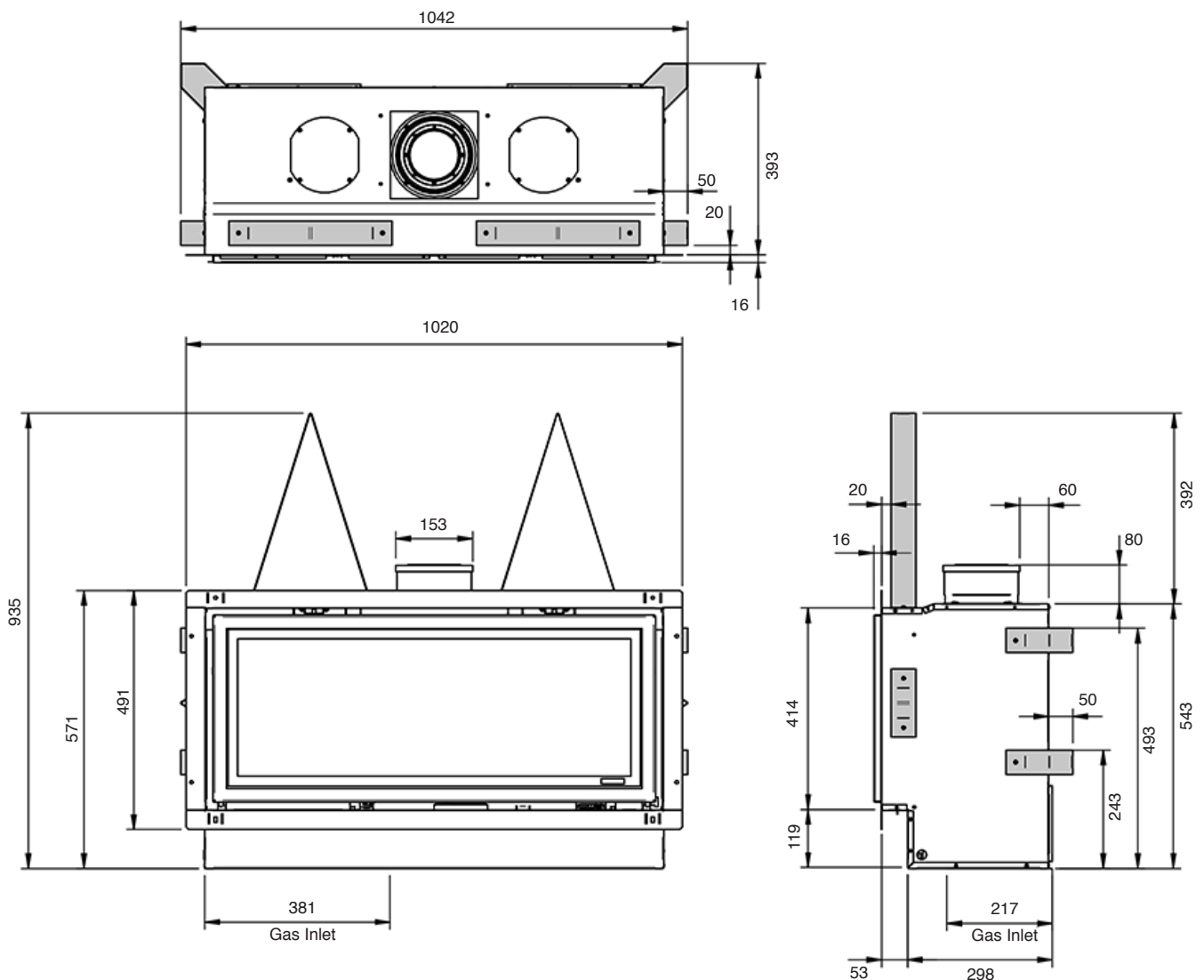
DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.

DO NOT STORE CHEMICALS OR FLAMMABLE MATERIALS, OR SPRAY AEROSOLS NEAR THIS APPLIANCE.

DO NOT OPERATE WITH PANELS, COVERS OR GUARDS REMOVED FROM THIS APPLIANCE.

PR2048

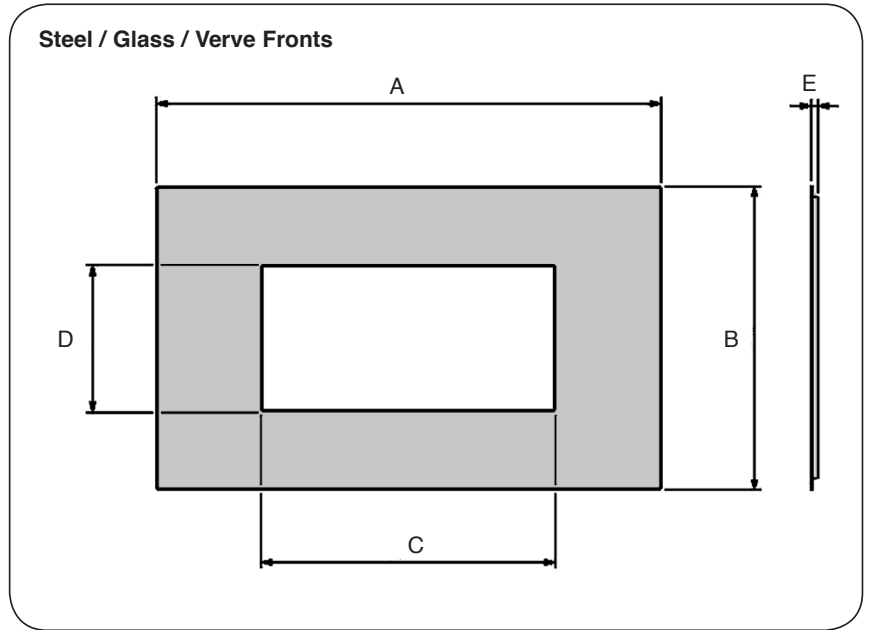
Appliance Dimensions including Zero Clearance Spacers for timber frame installations



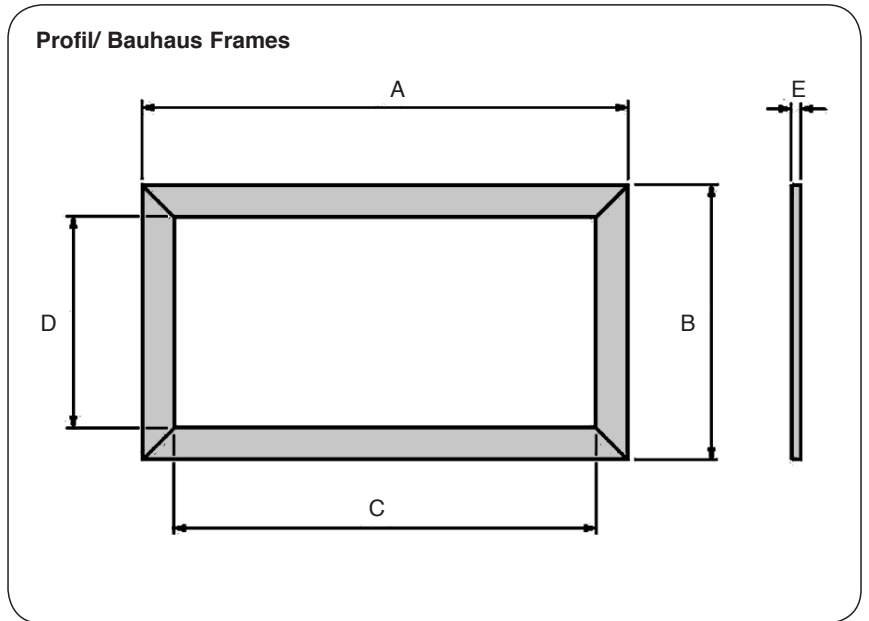
Installation Instructions

Technical Specification

Front	A	B	C	D	E
Steel	1500	528	846	320	27
Glass	1500	528	852	324	29
Verve	1500	528	850	324	53



Frame	A	B	C	D	E
Profil	1036	510	940	414	12.5
Bauhaus	1050	524	940	414	28



Installation Instructions

1. General

- 1.1 Installation and servicing must only be carried out by an authorised person.
- 1.2 In all correspondence, please quote the appliance type and serial number, which can be found on the data badge located on a plate found below the access panel or on Page 3 of the Commissioning Checklist.
- 1.3 **Do not** place curtains above the appliance:
You must have 300mm clearance between the appliance and any curtains at either side.
- 1.4 No furnishings or other objects should be placed within 1 metre of the front of the appliance.
- 1.5 If a shelf is fitted, a distance of 400mm above the appliance is required.
- 1.6 If any cracks appear in the glass panel do not use the appliance until the panel has been replaced.
- 1.7 Do not obstruct the flue terminal in any way, i.e. by planting flowers, trees, shrubs etc. in the near vicinity, or by leaning objects against the terminal guard.
- 1.8 Do not put any objects on the terminal guard; it will lose its shape.
- 1.9 If you use a garden sprinkler, do not let quantities of water into the flue terminal.
- 1.10 This product is guaranteed from the date of installation, as set out in the terms and conditions of sale between Gazco and your local Gazco retailer. Please consult with your local Gazco retailer if you have any questions. In all correspondence always quote the Model Number and Serial Number.



IMPORTANT: NEVER position a television or screen above this appliance.

2. Installation Checklist

1. **Sighting the Appliance**
 - i) Room Location - see Appliance Location
 - ii) Clearances to Combustibles - see Studwork Installation
 - iii) Vent requirements - see Ventilation section
 - iv) Framing & Finishing - see Installation section on frames
2. **Assemble the Studwork**

See Studwork installation section for details
3. **Locate the appliance in the Studwork**
4. **Make Gas Connections**
5. **Test the pilot**
6. **Test the Gas Pressure**
7. **Install standard and optional features**
 - i) Mains Adapter
 - ii) Lining Panels
 - iii) Log effect
 - iv) Appliance Door
8. **Commission the appliance**

See Commissioning section for details

Installation Instructions

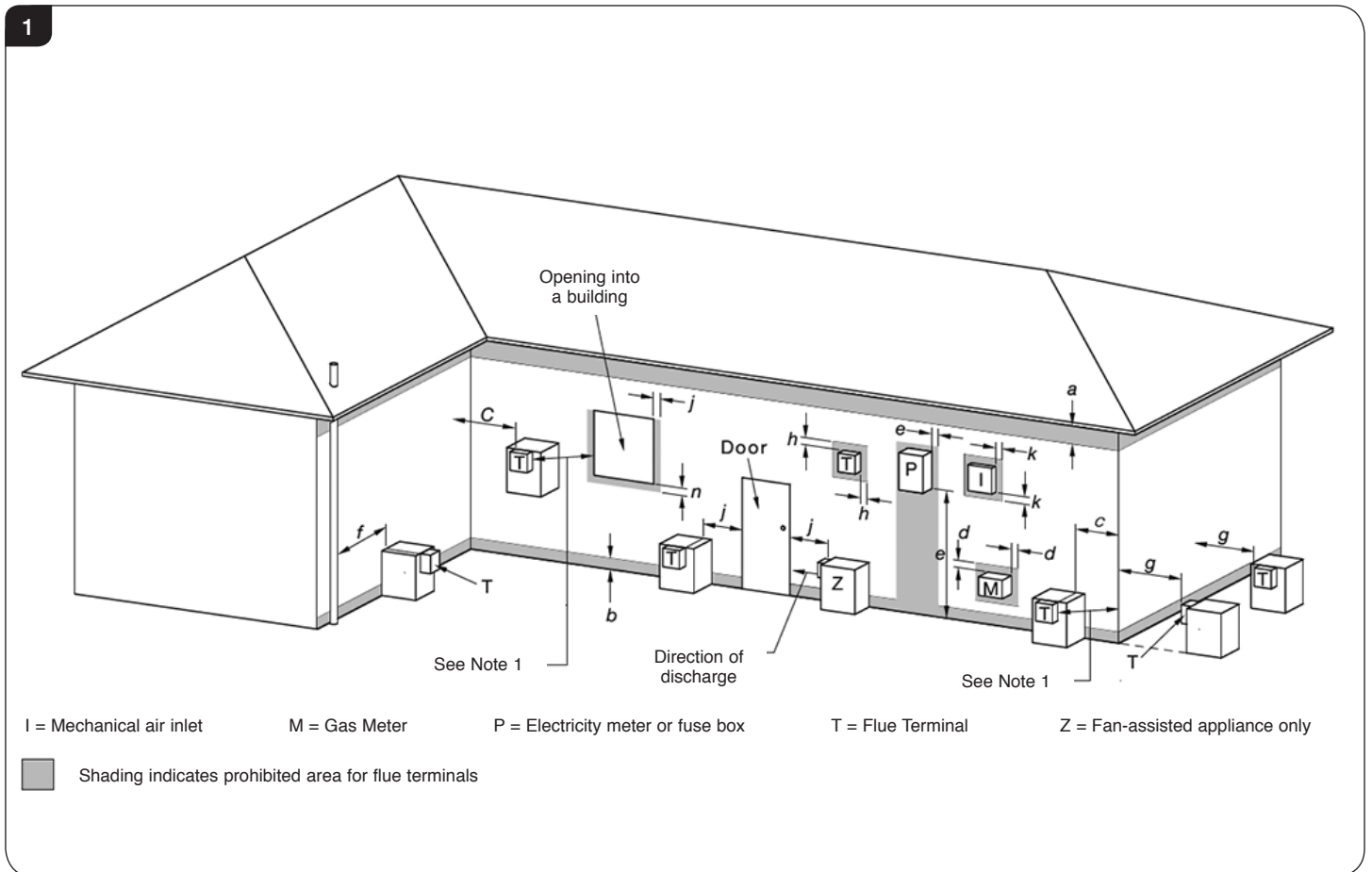
Site Requirements

1. Flue & Chimney Requirements

Note: This appliance must only be installed with the flue supplied.

You must adhere to the following:

- 1.1 The flue must be sited in accordance with the rules in force and comply with all local and National regulations, see Diagram 2.
- 1.2 Fit a guard to protect people from any terminal less than 2 metres above any access such as level ground, a balcony or above a flat roof.
- 1.3 All vertical and horizontal flues must be securely fixed and fire precautions followed in accordance with local and national codes of practice.
- 1.4 A restrictor may be required, see Technical Specifications on page 4.
- 1.5 Two types of flue terminals are available, horizontal and vertical.
- 1.6 To measure for a horizontal terminal decide on the terminal position.
- 1.7 Measure the height from the top of the appliance to the centre of the required outlet.
- 1.8 For minimum and maximum flue dimensions see Diagram 3.
- 1.9 Allow enough room either above or to the side of the appliance to assemble the flue on top
- 1.10 Assemble a horizontal flue in the following order:
 - Vertical section
 - 90° elbow
 - Horizontal plus terminal
- 1.11 Support the opening of a masonry installation with a lintel.
- 1.12 Only the horizontal terminal section can be reduced in size.



Installation Instructions

Site Requirements

Minimum clearances required for the flue terminals showing in Diagram 1 on page 8.

Ref	Item	Minimum clearances (mm)
		Natural Draught
a	Below eaves, balconies and other projections: Gas appliances up to 50 MJ/h	300
b	From the ground, above a balcony or other surface	300
c	From a return wall or external corner	500
d	From a gas meter (M)	1000
e	From an electricity meter or fuse box (P) †	500
f	From a drain pipe or soil pipe	150
g	Horizontally from any building structure or obstruction facing a terminal	500
h	From any other flue terminal, cowl, or combustion air intake	500
j	Horizontally from an openable window, door, non-mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation: Gas appliances up to 150 MJ/h input	500
k	From a mechanical air inlet, including a spa blower	1500
n	Vertically below a openable window, non-mechanical air inlet or any other opening into a building with the exception of sub-floor ventilation: Space heaters up to 50 MJ/h input	150

† Prohibited area below electricity meter or fuse box extends to ground level,

NOTE:

- (1) Where dimensions c, j or k cannot be achieved 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.

Installation Instructions

Site Requirements

2. Flue Options

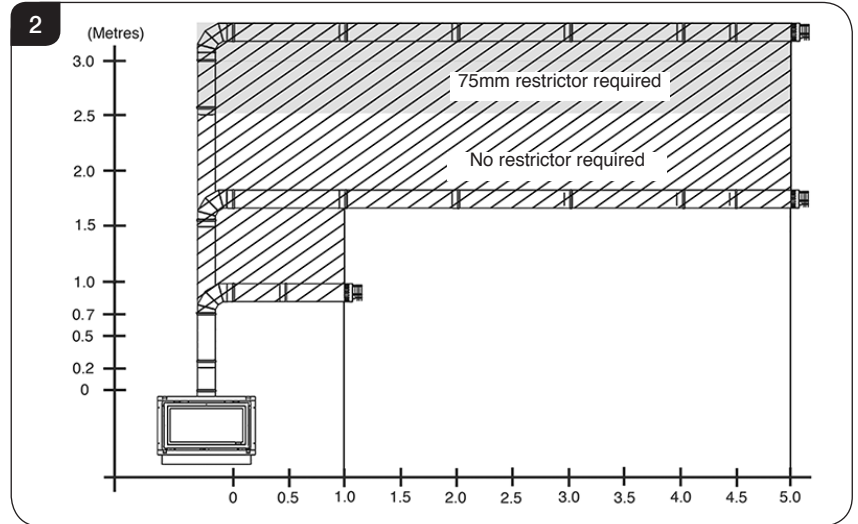
2A. Top Flue Up and Out Kit

Start of bend to centre line of horizontal flue 170mm. Centre line of vertical flue to end of bend 220mm. Vertical from the top of the appliance then horizontally out, see Diagram 2.

STUDIO 2 BF (8509/8509AN)

- 1 x 200mm vertical length
- 1 x 500mm vertical length
- 1 x 500mm terminal length (cut to length on site)
- 1 x 90° elbow
- 1 x wall plate
- 1 x 75mm restrictor

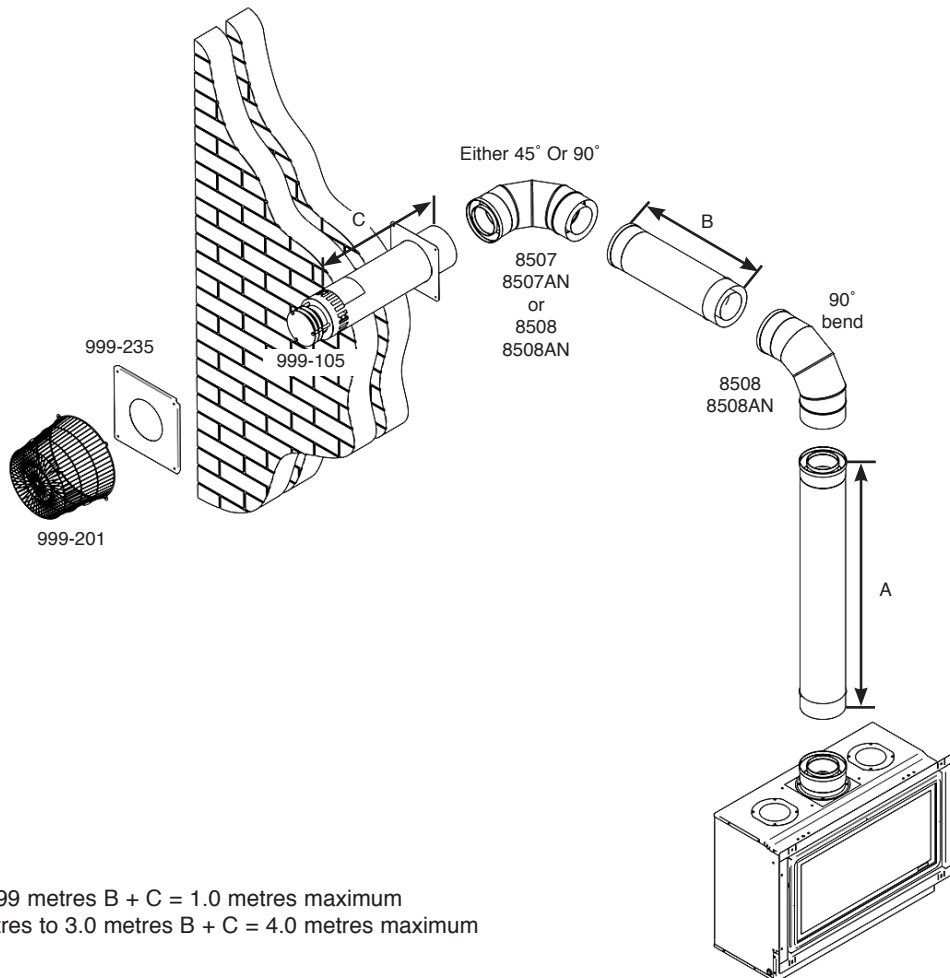
The kit may be used on its own.
Extra lengths may be added to the vertical and horizontal from the table, see Section 3.



2B. Top Flue Up and Out with Additional Bend

An additional bend may be used on the horizontal section (either 45° or 90°), but the overall horizontal flue run will be reduced, see Diagram 3.

3



Studio 2

When A = 1.0 to 1.499 metres B + C = 1.0 metres maximum
When A = 1.499 metres to 3.0 metres B + C = 4.0 metres maximum

Installation Instructions

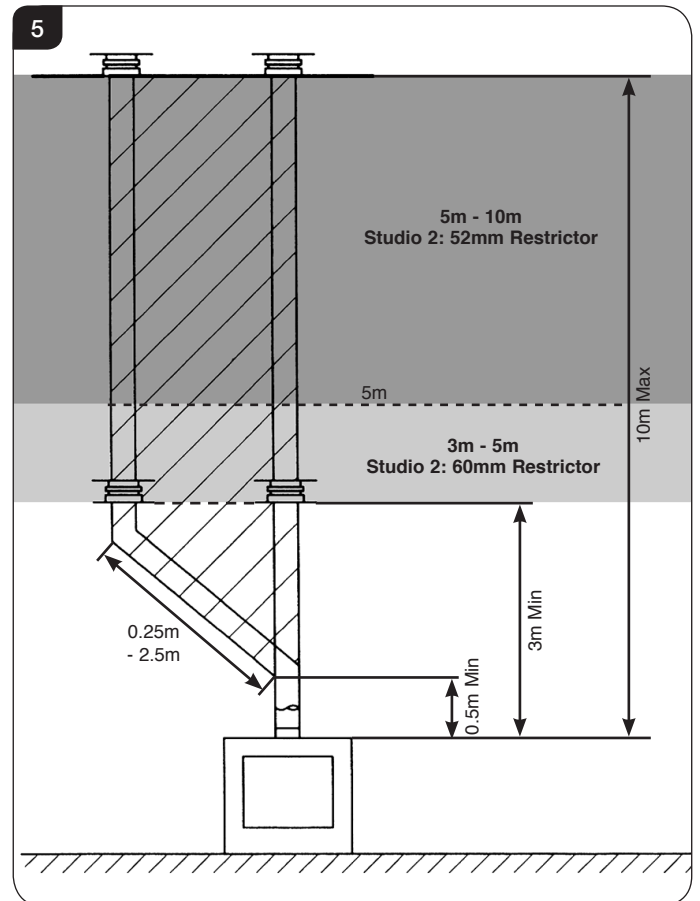
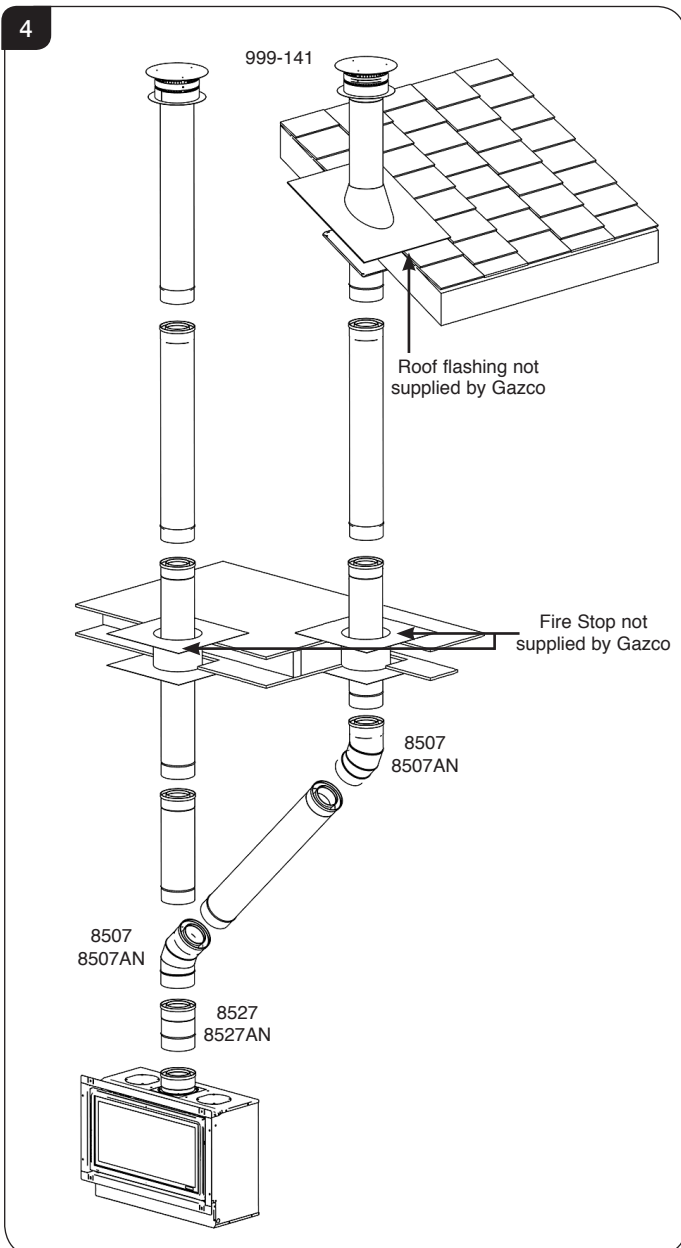
Site Requirements

2C Top Flue Vertical Kit (8524/8524AN)

Vertical from the top of the appliance, see Diagram 5.
A minimum vertical rise 3m to a maximum 10m. The basic kit comprises:
2 x 1m lengths
1 x 1m terminal length
1 x 52mm restrictor
1 x 47mm restrictor
1 x 60mm restrictor
1 x 70mm restrictor
Extra lengths may be added from the table, see Section 3.

2D Top Flue Vertical Offset Kit (8530/8530AN)

Used with kit 8524. A minimum rise of 500mm is required to the first bend, see Diagram 5.



Pipe Length	Stainless Steel Finish	Anthracite Finish
200mm	8527	8527AN
500mm	8528	8528AN
1000mm	8529	8529AN

Installation Instructions

Site Requirements

3. Optional Extra Flue Lengths and Bends

All flue components are 150mm diameter.

NOMINAL LENGTH	ACTUAL LENGTH	STAINLESS FINISH	ANTHRACITE FINISH
200mm	140mm	8527	8527AN
500mm	440mm	8528	8528AN
1000mm	940mm	8529	8529AN
40° Bend	N/A	8507	8507AN
90° Bend	N/A	8508	8508AN

NOTE - Carefully consider:

- a) Terminal positions
- b) Flue supports
- c) Weatherproofing
- d) Fire precautions

For all the above options, you must conform to local and national codes of practice.

4. Gas Supply

- 4.1 Before installation, ensure that the local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible.
- 4.2 Ensure the appliance is the correct model for the gas type being used. A label can be found adjacent to the gas inlet on the appliance which confirms the gas requirement.
- 4.3 Ensure the gas supply delivers the required amount of gas and is in accordance with the rules in force.
- 4.4 Soft copper tubing can be used on the installation and soft soldered joints outside the appliance and below the firebed.
- 4.5 A factory fitted isolation device is part of the inlet connection; no further isolation device is required.
- 4.6 All supply gas pipes must be purged of any debris that may have entered prior to connection to the appliance.
- 4.7 The gas supply enters through the silicone panel located on the bottom of the outer box. Slit with a sharp knife before passing the supply pipe through
- 4.8 The gas supply must be installed in a way that does not restrict the removal of the appliance for servicing and inspection.

5. Ventilation

- 5.1 This appliance requires no additional ventilation.

6. Appliance Location

- 6.1 Please note this appliance has been primarily designed for studwork applications. However, there are circumstances where one of the kits could be used on a block or brickwork fireplace using different methods and materials for the final effect.

The three methods of studwork installation are:

**Frame (see Installation Instructions, Section 4).
Edge (see Installation Instructions, Section 5).
Cool Wall (see Installation Instructions, Section 6).**

- 6.2 This appliance must stand on a non-combustible platform that is at least 12mm thick.
- 6.3 This appliance **MUST** be installed a minimum of 200mm above the floor.

NOTE: If it is intended to construct the fascia of the fireplace opening from natural materials Gazco recommend they are cut into three or more sections to prevent cracking. Resin-based materials may not be suitable. This appliance is an effective heat producer and attention must be paid to the construction and finish of the fireplace.

- 6.4 A combustible shelf must be:
 - Maximum 150mm in depth.
 - Minimum 400mm high above the appliance.

A combustible side wall must be a minimum of 150mm from the appliance.

7. Masonry/Blockwork Installation

- 7.1 If a non-combustible masonry or blockwork installation setting is desired it is possible to remove the metal clearance stand offs from the appliance to reduce the size of the setting required.

See Technical Specification pages for the dimensions of the appliance without the stands off in place in order to create a correctly sized housing.

NOTE: DO NOT INSTALL THIS APPLIANCE IN A COMBUSTIBLE SETTING WITH THE STAND OFFS REMOVED.

Installation Instructions

1. Safety Precautions

- 1.1 For your own and other's safety, you must install this appliance according to local and national codes of practice. Failure to install this product correctly could lead to prosecution. **Read these instructions before installing and using this appliance.**
- 1.2 These instructions must be left intact with the user.
- 1.3 Do not attempt to burn rubbish on this appliance.
- 1.4 Keep all plastic bags away from young children.
- 1.5 Do not place any object on or near to the appliance and allow adequate clearance above the appliance.

IF THE APPLIANCE IS EXTINGUISHED OR GOES OUT IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RELIGHT THE APPLIANCE.

i **IMPORTANT: REFER TO DATA BADGE AND TECHNICAL SPECIFICATION AT THE FRONT OF THE MANUAL TO ENSURE THE APPLIANCE IS CORRECTLY ADJUSTED FOR THE GAS TYPE AND CATEGORY APPLICABLE IN THE COUNTRY OF USE.**

THE GAS TYPE FOR THIS APPLIANCE IS STATED ON A LABEL ADJACENT TO THE GAS INLET UNDER THE ACCESS PANEL IN THE BURNER ASSEMBLY.

FOR DETAILS OF CHANGING BETWEEN GAS TYPES REFER TO SERVICING, SECTION 16, REPLACING PARTS.

Unpacking

- 1.6 Remove the appliance from its packaging, and check that it is complete and undamaged.

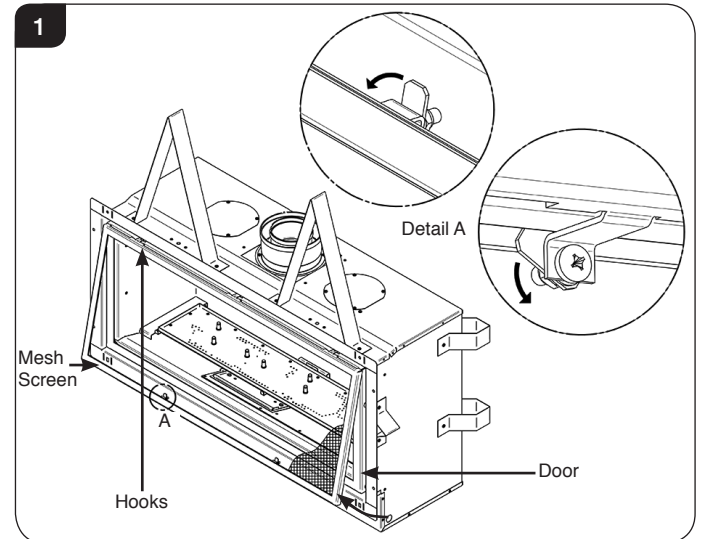
Put the loose ceramic parts to one side so that they are not damaged during installation.

2. Installation of the Appliance

i **THERE IS AN OPTIONAL WARM AIR DUCTING KIT, CODE No. 8572 WHICH CAN BE FITTED AT THE SAME TIME AS THE APPLIANCE INSTALLATION.**

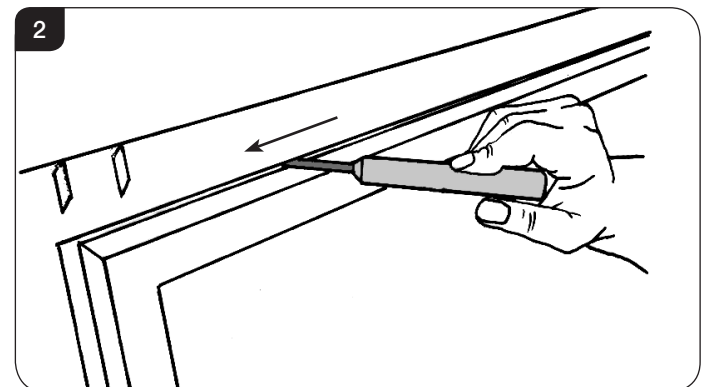
The glass front of the Studio appliance is protected by a mesh screen.
This must be removed to access the firebox.

- 2.1 To remove the mesh screen first use a screwdriver to rotate the two metal tabs between the appliance door and the outer box by 90° to either the left or right, see Diagram 1 Detail A.

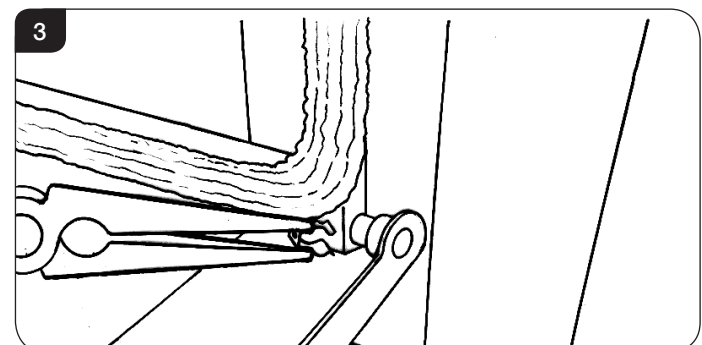


- 2.2 Pull the lower edge forward and lift the screen to free the hooks from the top of the door frame.

Place the mesh screen carefully to one side.
- 2.3 Use the hexagon key provided to release the window locks moving each from shut to open towards the outer edge of the glass door, see Diagram 2.



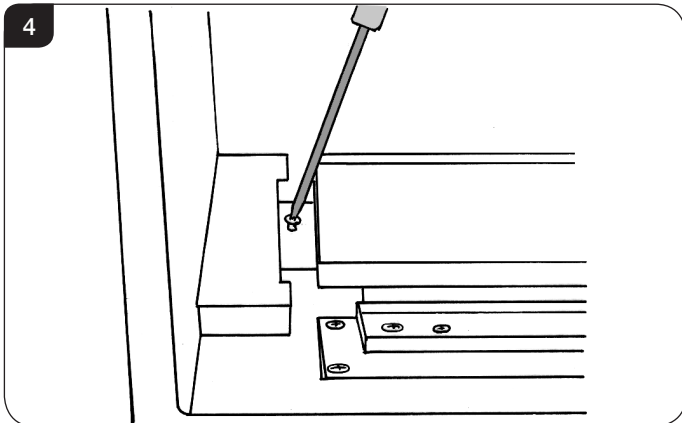
- 2.4 Lower the door gently and remove the spring clip from the right hand pin, see Diagram 3.



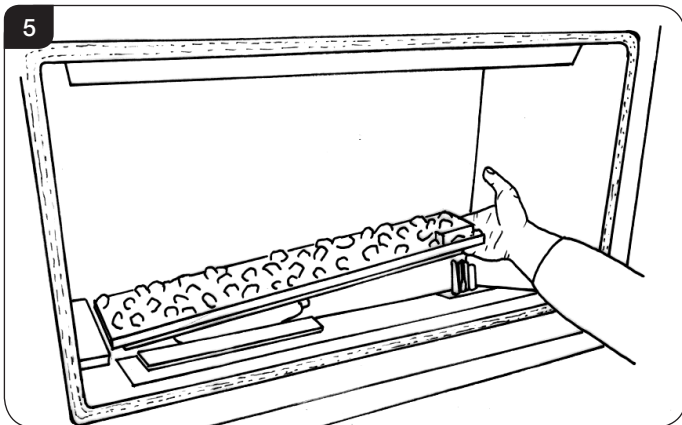
- 2.5 With the window frame in an upright position slide the frame to the left so that it comes off the left hinge pin.

Installation Instructions

- 2.6 Still keeping the frame upright drop the left side down and forward slightly.
- 2.7 Slide the frame to the right so that the frame comes off the right hinge pin. The window frame is now free. Place carefully to one side.
- 2.8 Remove the box from the appliance and store safely as it contains the remote control and fuel effects, etc.
- 2.9 Remove the burner securing screw from the left side of the burner, see Diagram 4.

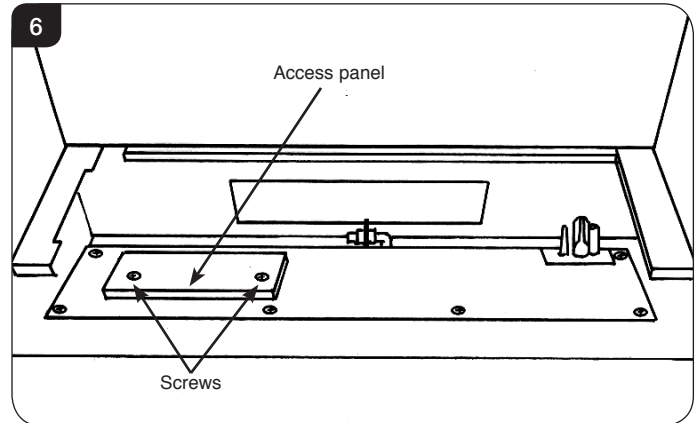


- 2.10 Slide the burner fully to the left and lift the right side clear of the pilot, see Diagram 5.

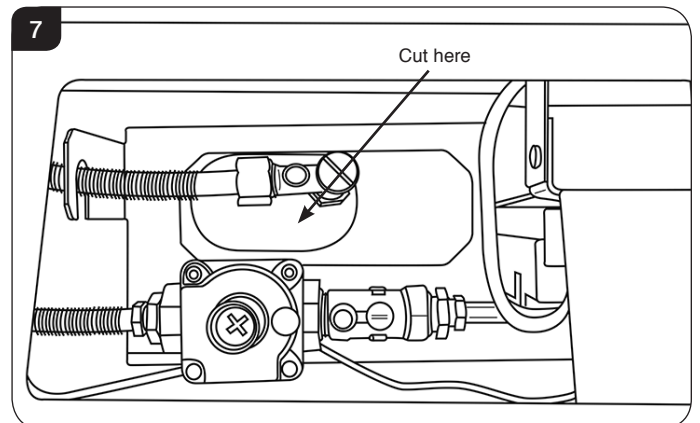


- 2.11 Slide the burner to the right and out of its location

- 2.12 The gas supply enters the appliance through a silicon panel on the floor under the access panel. To gain access to the gas supply entry point, remove the 2 screws securing the access panel and place to one side ensuring the gasket remains in position, see Diagram 3.



- 2.13 Slit the silicone panel with a sharp knife before bringing through the supply pipe, see Diagram 7.



3. Studwork Installation

THERE ARE THREE TYPES OF INSTALLATION INTO STUDWORK DESCRIBED IN THE FOLLOWING PAGES:

- 1) **FOR STUDIO WITH A DECORATIVE FRONT, SEE SECTION 4.**
- 2) **FOR AN INSTALLATION WHERE THE STUDIO SITS FLUSH TO THE FINISHED 'EDGE' OF THE WALL, SEE SECTION 5.**
- 3) **FOR A FURTHER 'EDGE' INSTALLATION PROVIDING A COOL WALL ABOVE THE APPLIANCE TO ALLOW CUSTOMERS TO HANG PICTURES ETC, SEE SECTION 6.**

3.1 DISTANCE TO COMBUSTIBLE MATERIAL

Combustible parts of the studwork must be kept beyond the minimum dimensions shown in Diagram 11, 24 or 37. Even if the framework is protected by non-combustible material, these dimensions must be maintained, see page 16, 21 or 25.

- 3.2 Do not pack the void around or above the appliance with insulation materials such as mineral wool.

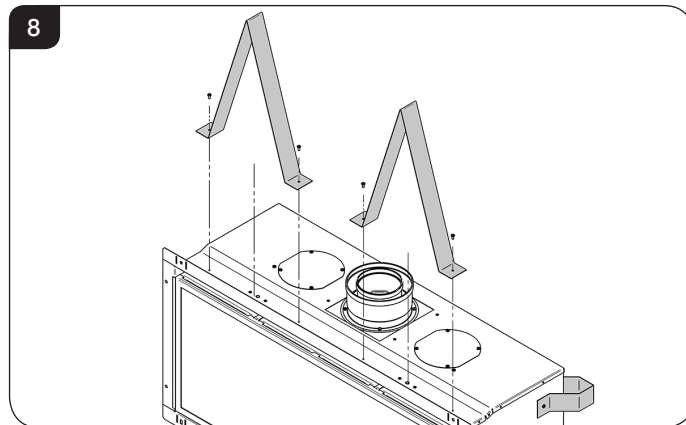
Installation Instructions

- 3.3 The void built for the appliance must be ventilated to prevent a build-up of heat. If the void is sealed, then you must fit vents at both low and high levels of approximately 50cm² each. These vents must take cold air from the room and return warm air back into the room.
- 3.4 An access hatch must be left in the side of the chimney breast for future servicing and inspection of the flue and appliance.

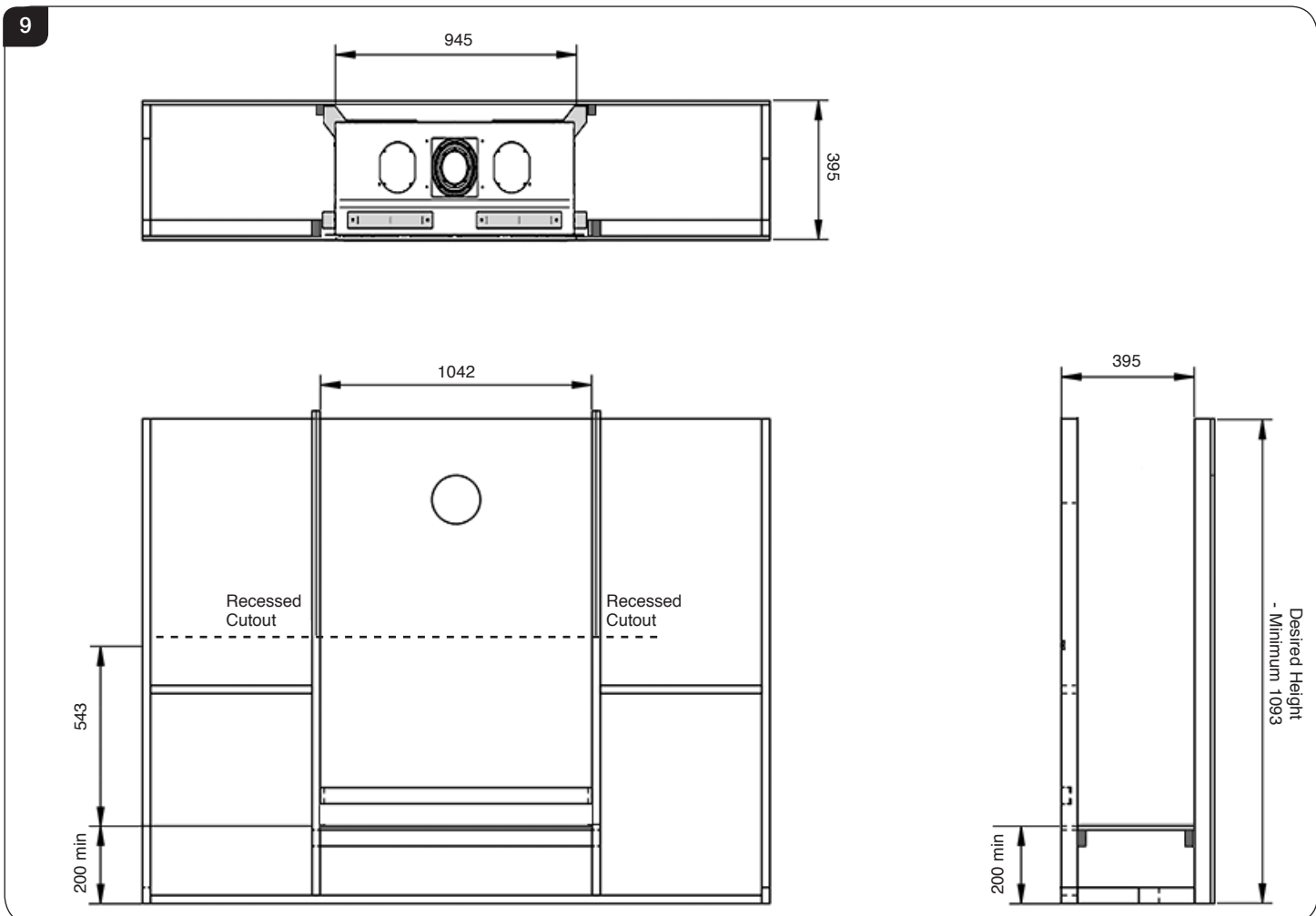
4. Studwork Installation - Studio Installed with a Frame or Front

- 4.1 Ensure that the installation complies with all distances to combustible materials. The Zero Clearance spacers must be attached to the appliance before proceeding with the installation.

PLEASE NOTE THE SIDE AND REAR SPACERS ARE FACTORY FITTED BUT THE TOP SPACERS MUST BE ATTACHED TO THE APPLIANCE BEFORE PROCEEDING WITH THE INSTALLATION, SEE DIAGRAM 8.

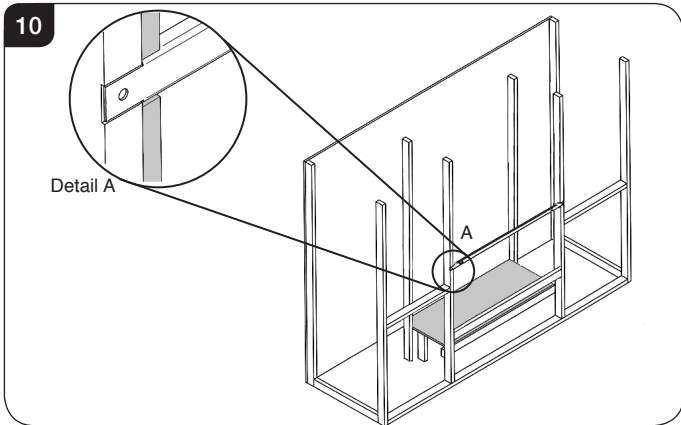


- 4.2 Construct the frame using timber with nominal dimensions no less than 90mm x 45mm. Ensure the timber frame is constructed as detailed in Diagram 9 using the dimensions as a guide to the minimum clearances.



Installation Instructions

- 4.3 Ensure all inner base timbers are finished with 12mm non combustible heat resistant boarding (Supalux, Promatect or similar). This should cover the base on which the appliance will sit.
- 4.4 A steel support bar is supplied with the frame or front. This should be fixed above the appliance and should be recessed into the timber frame at both sides of the aperture, see Diagram 10.

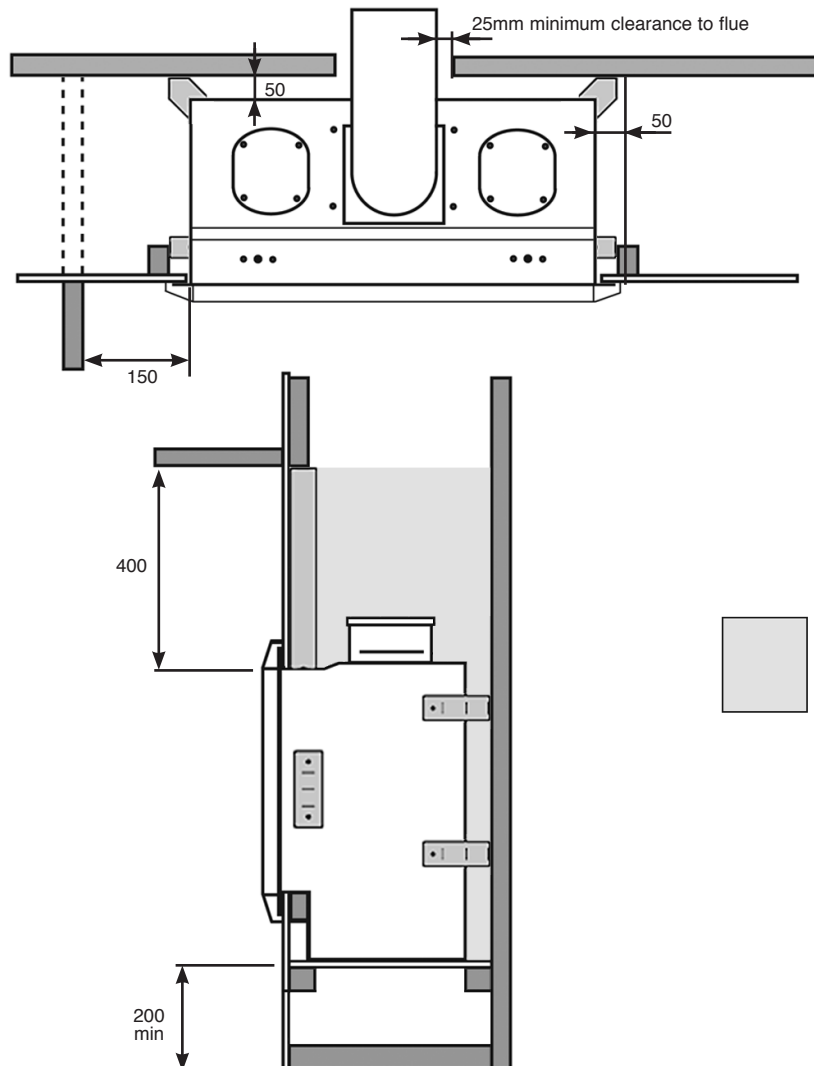


- 4.5 Locate the appliance into the aperture and decide on the flue configuration to be used. If it is intended to install the appliance with a horizontal termination through the wall, decide on the vertical flue length required, add the 90° elbow to the top of the vertical length(s) and mark the centre of the flue exit on the wall.
- 4.6 Remove the appliance and prepare the hole through the wall ensuring that all clearances to the terminal have been considered (see site requirements section). When removing the material to construct the hole for the flue exit ensure any Local and Nation Building Regulations are adhered to.
- 4.7 If the flue terminal is intended to exit through any combustible materials, these should be removed to a distance of 25mm all around the perimeter of the flue. The hole should then be lined with a metal tube which maintains a clearance of the 25mm to any part of the flue and this should be left clear, see Diagram 11.



IMPORTANT: The cavity into which the Studio is fitted must be ventilated to prevent a build up of heat. If the cavity is sealed then it will be necessary to fit vents of approximately 50cm² each at both low and high levels. These vents should take cold air from the room and return warm air back into the room.

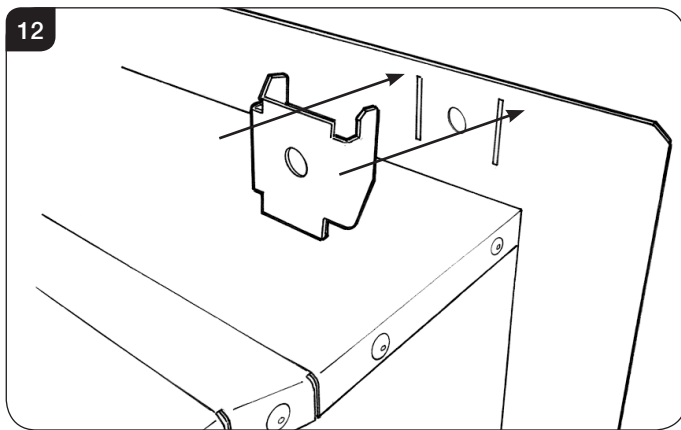
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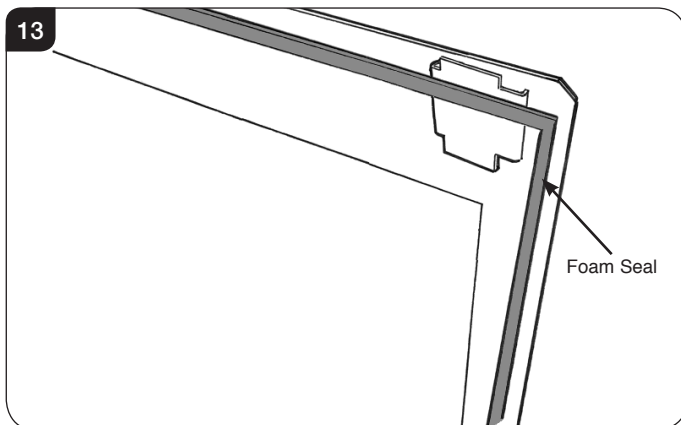
Installation Instructions

4.8 Ensure the gas supply is provided to the underside of the appliance support and this should protrude through the base on which the appliance sits.

4.9 Attach the 4 x frame fixing brackets to the appliance, see Diagram 12.

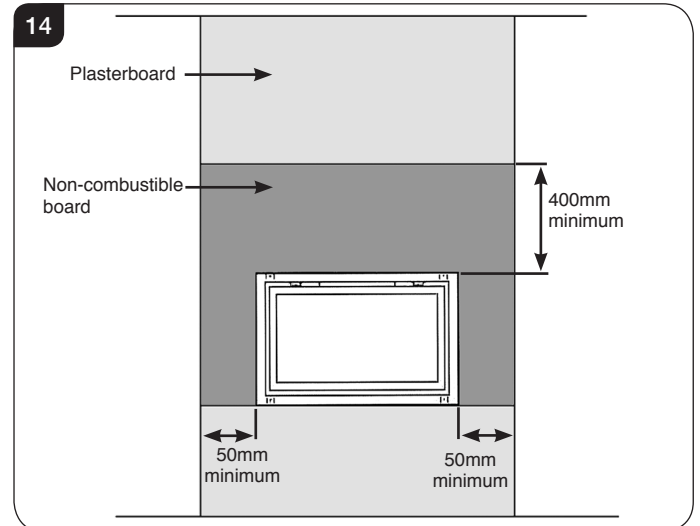


4.10 Fix foam seal to the rear of the outer flange of the appliance, see Diagram 13.



4.11 Leaving both sides of the timber frame open, locate the appliance on the base ensuring the gas supply enters through the silicone gas entry under the access panel. Construct the flue as required ensuring it is adequately supported along its entire length, **see section 7**.

4.12 Fit non combustible board to the front of the timber frame ensuring it projects at least 50mm either side of the appliance and 400mm above the appliance. The remainder of the timber frame may be closed using either non combustible board or plasterboard, see Diagram 14.



Slips

Because of the high temperatures this appliance achieves, it is advisable to use marble slips or similar material between the appliance and the plasterboard.

Never use a one-piece slip as expansion (even cracking) can occur.

Note: If a slip is used, longer screws are needed to secure the appliance.

4.13 Apply a plaster skim or similar to the front of the finished boards ensuring the appliance remains slightly forward to enable the finishing to extend behind the appliance outer flanges.

NOTE: It is essential to use a Heat Resistant plaster.

4.14 When dry, push the appliance back into its final position and secure through the top and bottom flanges.

NOTE: The top securing screws should align with the previously positioned steel support located behind the boarded finish.

4.15 Connect the gas supply to the appliance and check for any leaks, **see Section 8**.

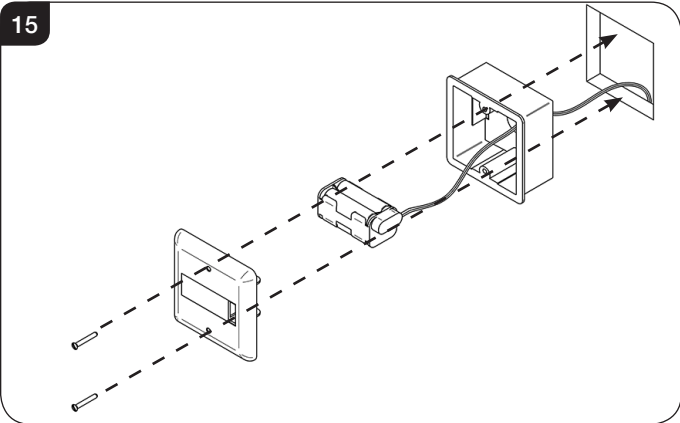
Installation Instructions

i Please note: As an optional extra Gazco can provide a mains adapter to supply constant power to the appliance control box instead of the battery pack.

When installing an appliance with the adapter make provision for a mains power socket within 1.5m of the control box and follow the instructions provided.

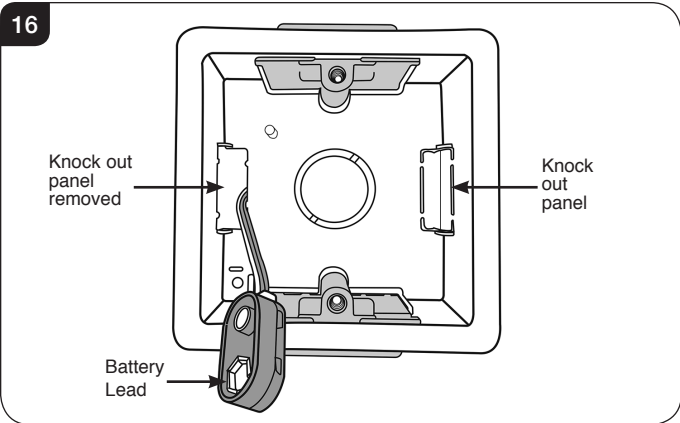
If the mains adapter is used the separate wall mounting box and battery holder will not be required.

4.16 Decide on the position of the wall mounted battery box and cut a hole for the recess box to be mounted into.
NOTE: This box is intended for use in heat resistant board or plasterboard and will be held in place when the front is secured using the 2 screws supplied, see Diagram 15.

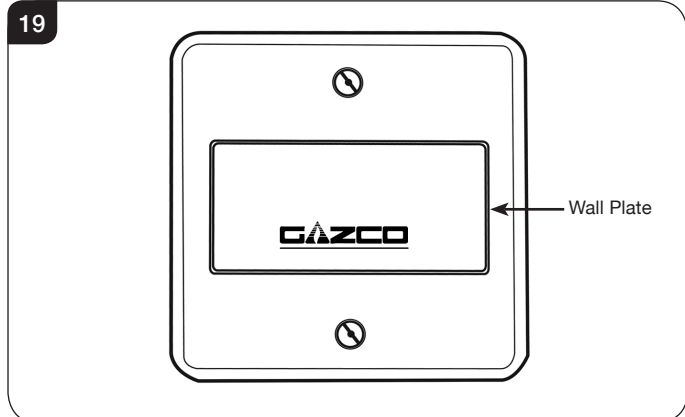
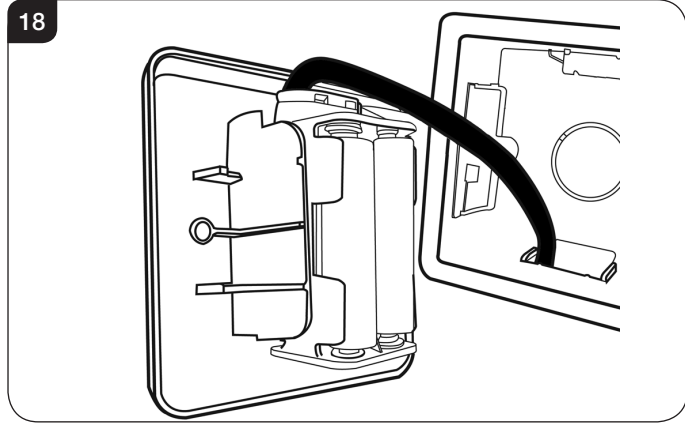
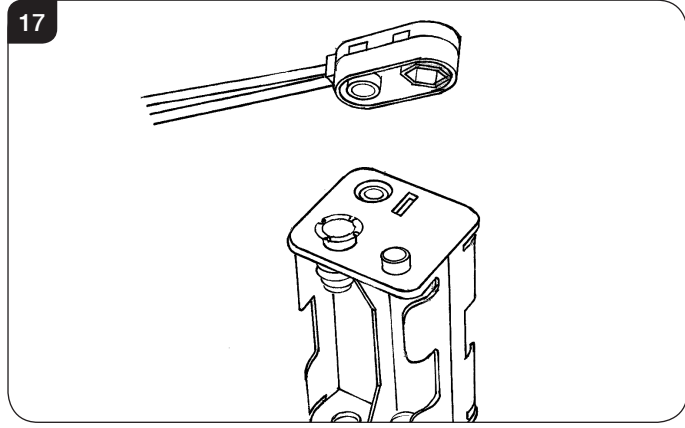


i **IMPORTANT**
The battery holder must be installed using a non-metallic mounting box, please ensure that the plastic dry lining box is used wherever possible. If it is intended to install the battery holder in a masonry wall it is possible to drill through the rear of this box and secure in position using wall plugs and screws although a small amount of finishing work will be required to cover the plastic side securing tags. Alternatively a standard 47mm deep pattress box can be used to surface mount the wall switch.

4.17 Thread the battery lead which is attached to the appliance through the timber frame and through one of the knock out apertures in the back of the recess box, see Diagram 16.



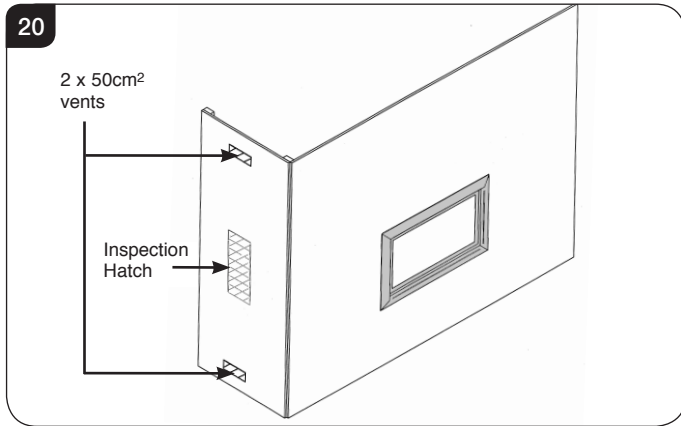
4.18 Connect the battery holder to the lead and install the batteries. Secure the front cover plate with the battery holder. Locate correctly and use the screws supplied, see Diagram 17, 18 & 19.



4.19 Follow the Commissioning Section to ensure the gas supply and battery cables are working correctly. Ensure all joints in the gas supply are sound and that all flue connections have been made correctly.

Installation Instructions

- 4.20 Complete the timber frame by securing plasterboard or similar to both sides. Ensure that provision is made in one of the sides to locate a 50cm² air vent at both high and low levels. An access hatch must be made in one side of the timber frame to allow periodic inspection of the flue system as required, see Diagram 20.

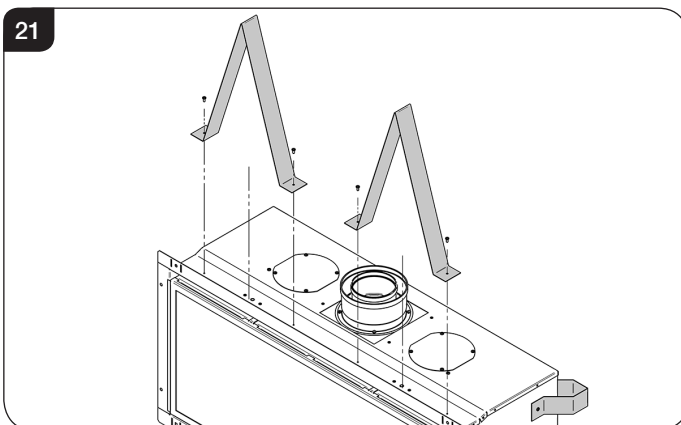


5. Studwork for Studio Edge Installation kit

There is an optional Studio Edge Installation Kit available for installing the appliance without a frame:
Studio 2 BF Code No. 8727BFEK02

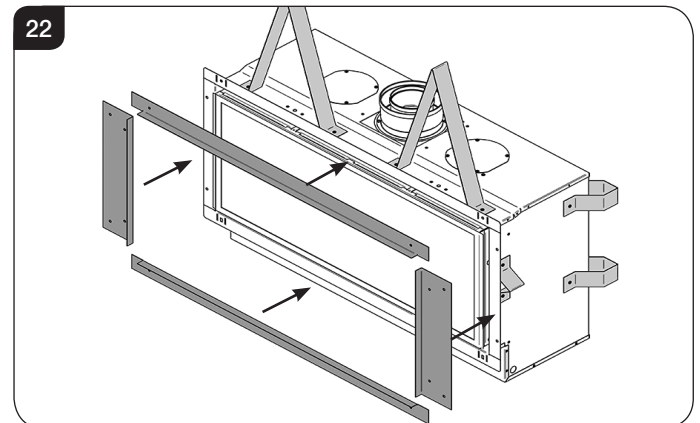
- 5.1 Ensure that the installation complies with all distances to combustible materials. The Zero Clearance spacers must be attached to the appliance before proceeding with the installation.

PLEASE NOTE THE SIDE AND REAR SPACERS ARE FACTORY FITTED BUT THE TOP SPACERS MUST BE ATTACHED TO THE APPLIANCE BEFORE PROCEEDING WITH THE INSTALLATION, SEE DIAGRAM 21.



Using the installation kit:

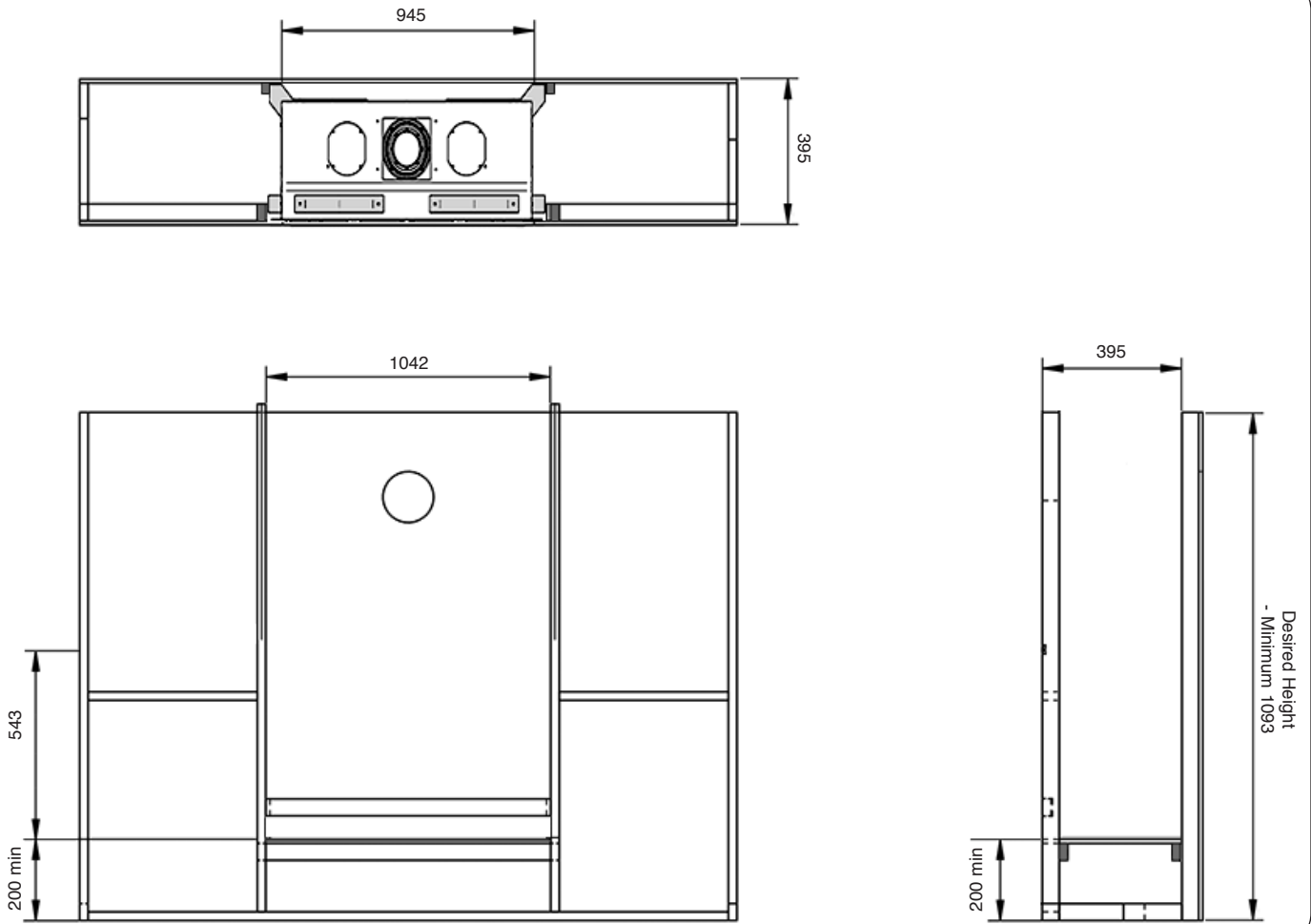
- 5.2 Fit the four metal brackets of the kit to the appliance, see Diagram 22.



- 5.3 Construct the frame using timber with nominal dimensions no less than 90mm x 45mm. Ensure the timber frame is constructed as detailed in Diagram 23 using the dimensions as a guide to the minimum clearances.

Installation Instructions

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- 5.4 Ensure all inner base timbers are finished with 12mm non combustible heat resistant boarding (Supalux, Promatect or similar). This should cover the base on which the appliance will sit.
- 5.5 Locate the appliance into the aperture and decide on the flue configuration to be used.
If it is intended to install the appliance with a horizontal termination through the wall, decide on the vertical flue length required, add the 90° elbow to the top of the vertical length(s) and mark the centre of the flue exit on the wall.
- 5.6 Remove the appliance and prepare the hole through the wall ensuring that all clearances to the terminal have been considered (see site requirements section). When removing the material to construct the hole for the flue exit ensure any local and Nation Building Regulations are adhered to.

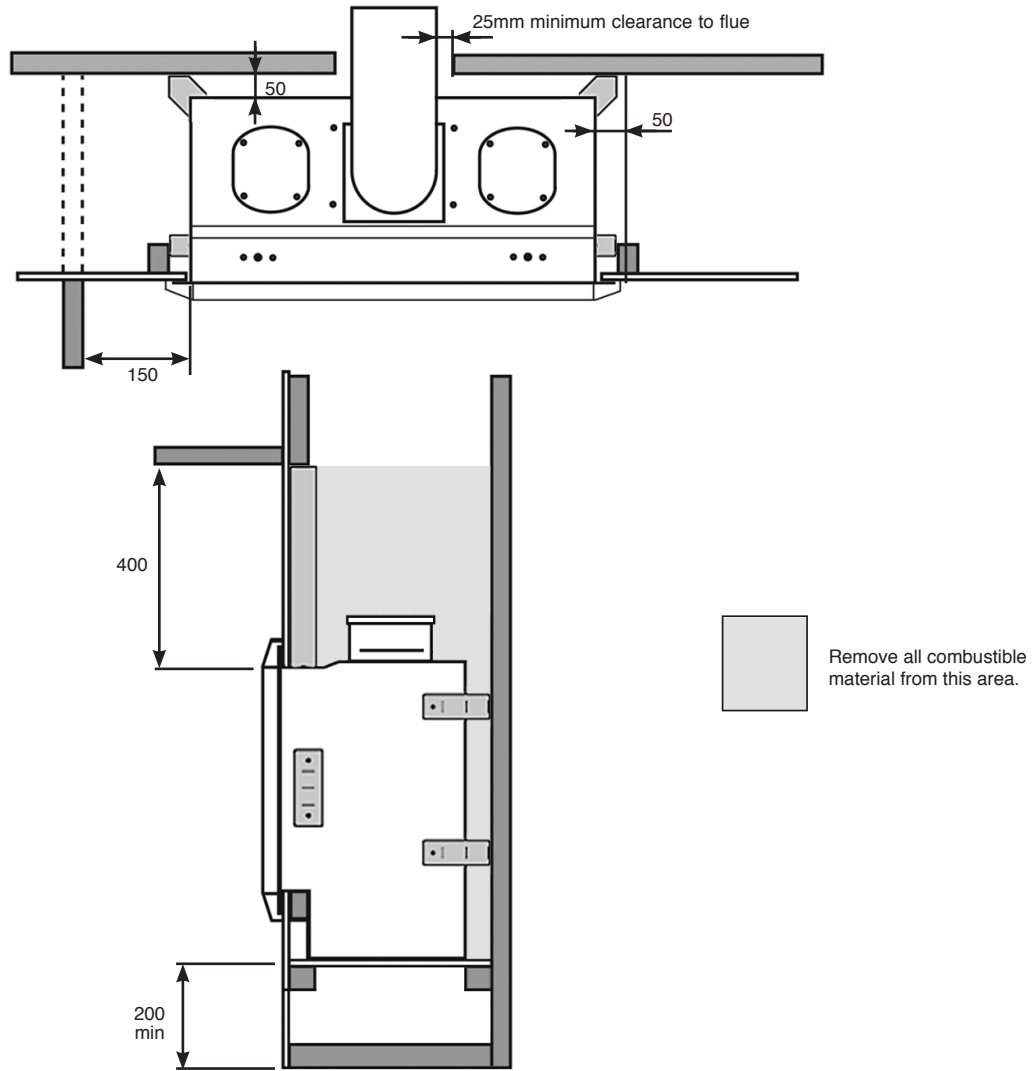
- 5.7 If the flue terminal is intended to exit through any combustible materials, these should be removed to a distance of 25mm all around the perimeter of the flue. The hole should then be lined with a metal tube which maintains a clearance of the 25mm to any part of the flue and this should be left clear, see Diagram 24.



IMPORTANT: The cavity into which the Studio is fitted must be ventilated to prevent a build up of heat. If the cavity is sealed then it will be necessary to fit vents of approximately 50cm² each at both low and high levels. These vents should take cold air from the room and return warm air back into the room.

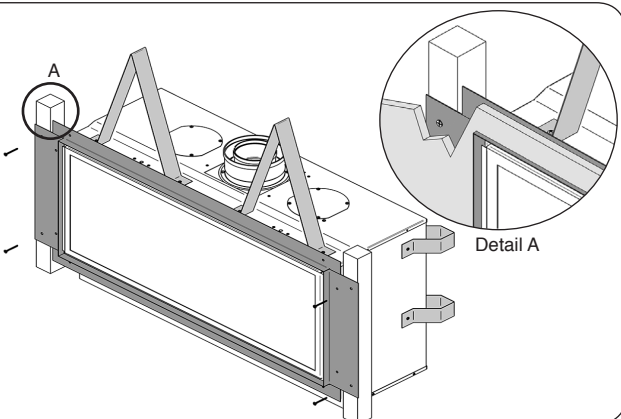
Installation Instructions

24



- 5.8 Secure the appliance to the vertical studwork through the holes in the metal brackets fitted to the appliance.
- 5.9 The kit has been designed so that non-combustible board can be taken right up to the edge of the four brackets, see Diagrams 25.

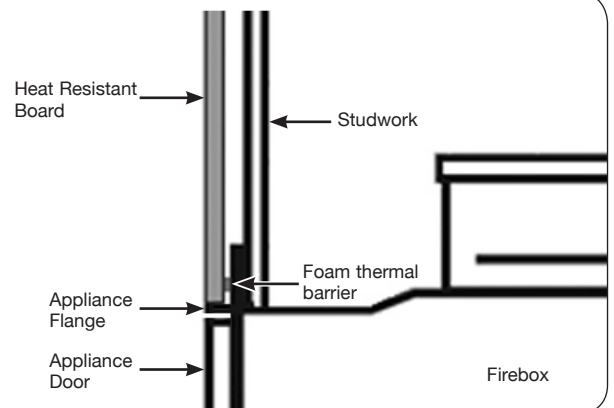
25



- 5.10 Ensure there is a gap or thermal barrier between the Heat Resistant board and the vertical edge of the appliance flange.

Gazco supply a foam thermal barrier. Ensure this is fixed to the front of the appliance flange to establish this gap, see Diagram 26.

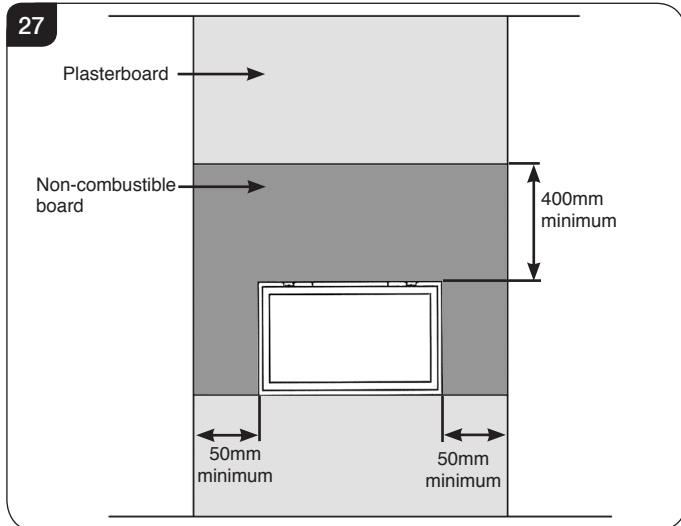
26



- 5.11 Leaving both sides of the timber frame open, locate the appliance on the base ensuring the gas supply enters through the silicone gas entry under the access panel. Construct the flue as required ensuring it is adequately supported along its entire length, **see section 7**.

Installation Instructions

- 5.12 Fit non combustable board to the front of the timber frame ensuring it projects at least 50mm either side of the appliance and 400mm above the appliance. The remainder of the timber frame may be closed using either non combustable board or plasterboard, see Diagram 27.



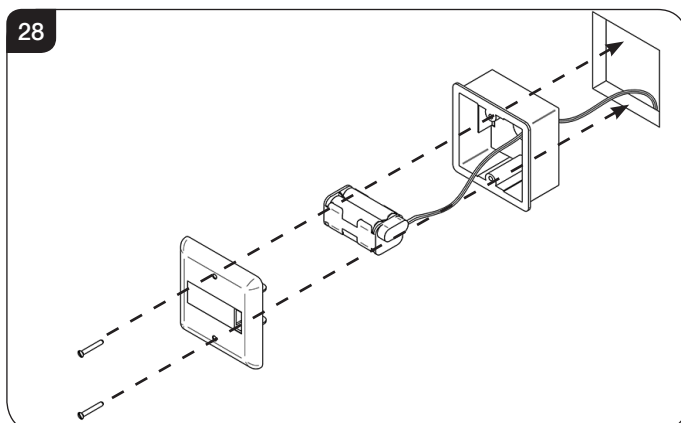
- 5.13 Apply a plaster skim or similar to the front of the finished boards ensuring the appliance remains slightly forward to enable the finishing to extend behind the appliance outer flanges.
NOTE: It is essential to use a Heat Resistant plaster.
- 5.14 Connect the gas supply to the appliance and check for any leaks, see Section 8.

i **Please note: As an optional extra Gazco can provide a mains adapter to supply constant power to the appliance control box instead of the battery pack.**

When installing an appliance with the adapter make provision for a mains power socket within 1.5m of the control box and follow the instructions provided.

If the mains adapter is used the separate wall mounting box and battery holder will not be required.

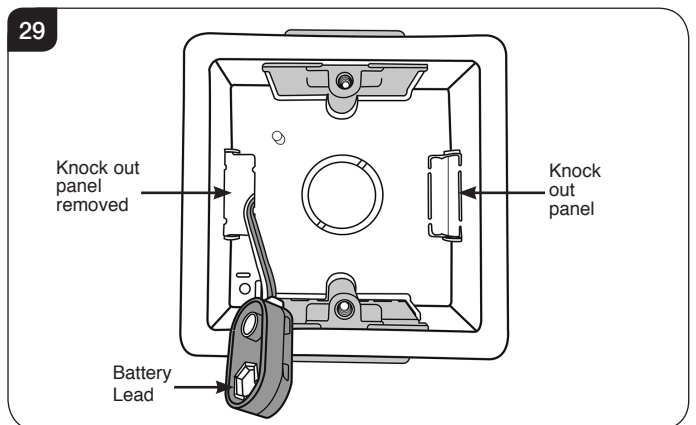
- 5.15 Decide on the position of the wall mounted battery box and cut a hole for the recess box to be mounted into.
NOTE: This box is intended for use in heat resistant board or plasterboard and will be held in place when the front is secured using the 2 screws supplied, see Diagram 28.



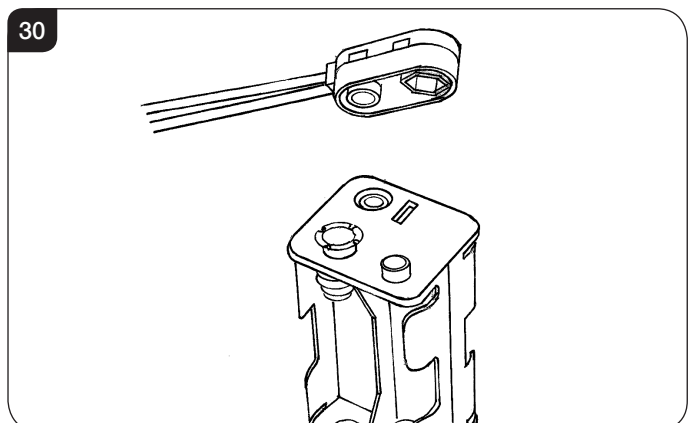
IMPORTANT

The battery holder must be installed using a non-metallic mounting box, please ensure that the plastic dry lining box is used wherever possible. If it is intended to install the battery holder in a masonry wall it is possible to drill through the rear of this box and secure in position using wall plugs and screws although a small amount of finishing work will be required to cover the plastic side securing tags. Alternatively a standard 47mm deep pattress box can be used to surface mount the wall switch.

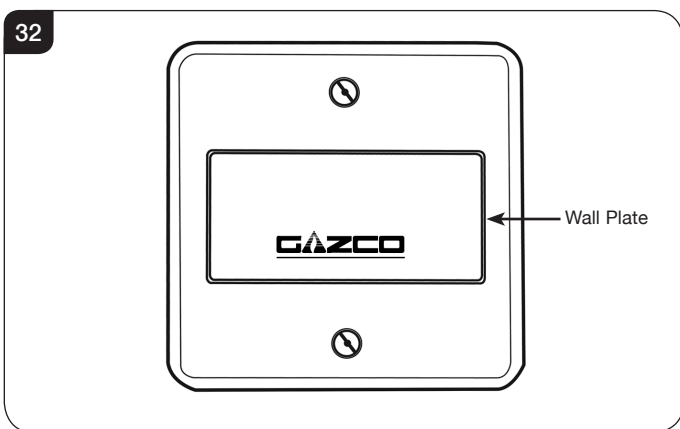
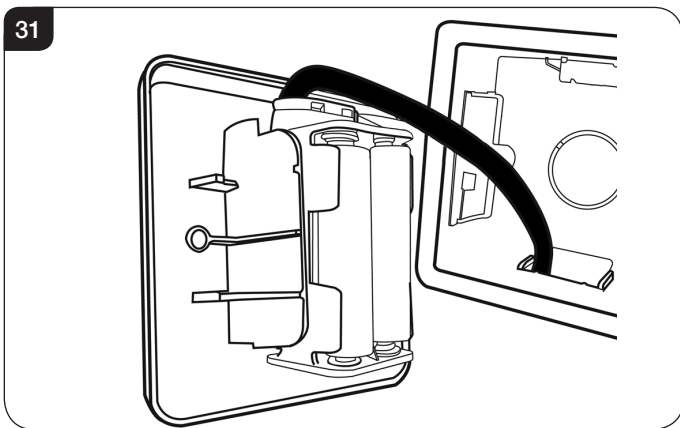
- 5.16 Thread the battery lead which is attached to the appliance through the timber frame and through one of the knock out apertures in the back of the recess box, see Diagram 29.



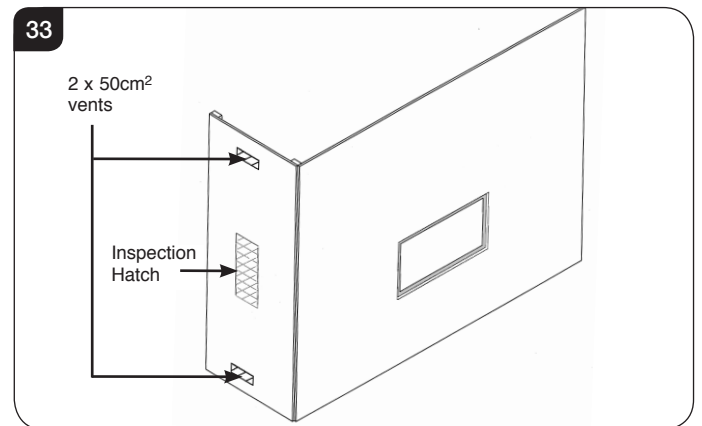
- 5.17 Connect the battery holder to the lead and install the batteries. Secure the front cover plate with the battery holder. Locate correctly and use the screws supplied, see Diagram 30, 31 & 32.



Installation Instructions



- 5.18 Follow the Commissioning Section to ensure the gas supply and battery cables are working correctly. Ensure all joints in the gas supply are sound and that all flue connections have been made correctly.
- 5.19 Complete the timber frame by securing plasterboard or similar to both sides. Ensure that provision is made in one of the sides to locate a 50cm² air vent at both high and low levels. An access hatch must be made in one side of the timber frame to allow periodic inspection of the flue system as required, see Diagram 33.



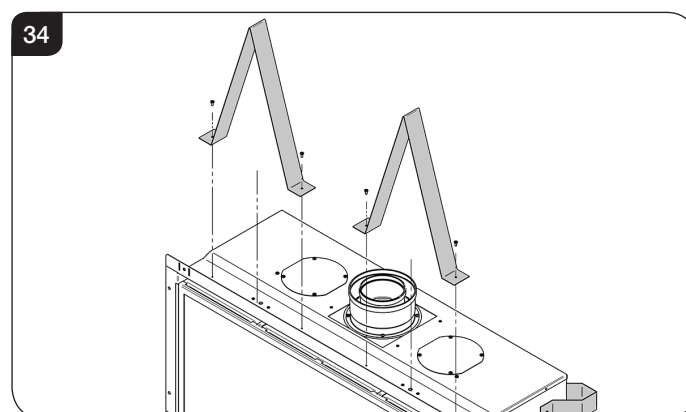
6. Studwork for Cool Wall installation kit

There is an optional Studio Cool Wall Installation Kit available for installing the appliance without a frame:
Studio 2 BF Code No. 8727BFCW02,

For this cool-wall installation, the convected heat produced by the appliance is channelled into the chimney cavity and vented at the top. The cool wall installation kit is provided unfinished. This allows the kit to be finished to match the front face decor.

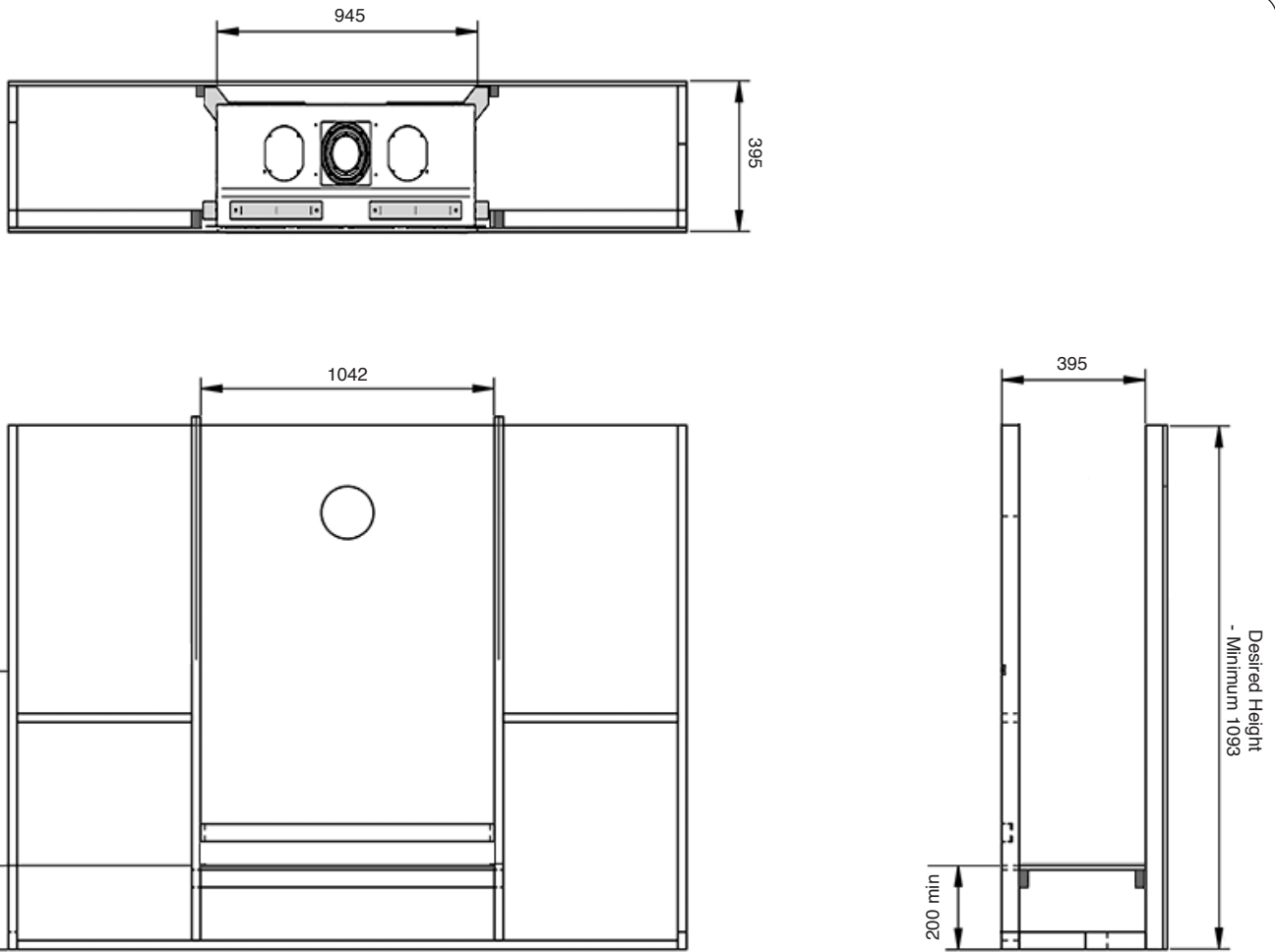
- 6.1 Ensure that the installation complies with all distances to combustible materials. The Zero Clearance spacers must be attached to the appliance before proceeding with the installation.

PLEASE NOTE THE SIDE AND REAR SPACERS ARE FACTORY FITTED BUT THE TOP SPACERS MUST BE ATTACHED TO THE APPLIANCE BEFORE PROCEEDING WITH THE INSTALLATION, SEE DIAGRAM 34.



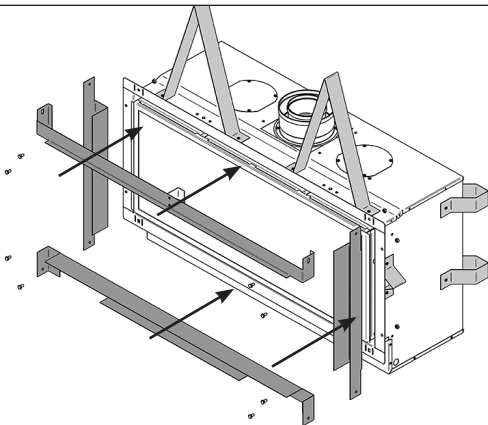
Installation Instructions

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- 6.2 Construct the frame using timber with nominal dimensions no less than 90mm x 45mm. Ensure the timber frame is constructed as detailed in Diagram 35 using the dimensions as a guide to the minimum clearances.
- 6.3 Fit the four metal brackets of the kit to the appliance, see Diagram 36. There is a deliberate gap at the top for convected heat.

36



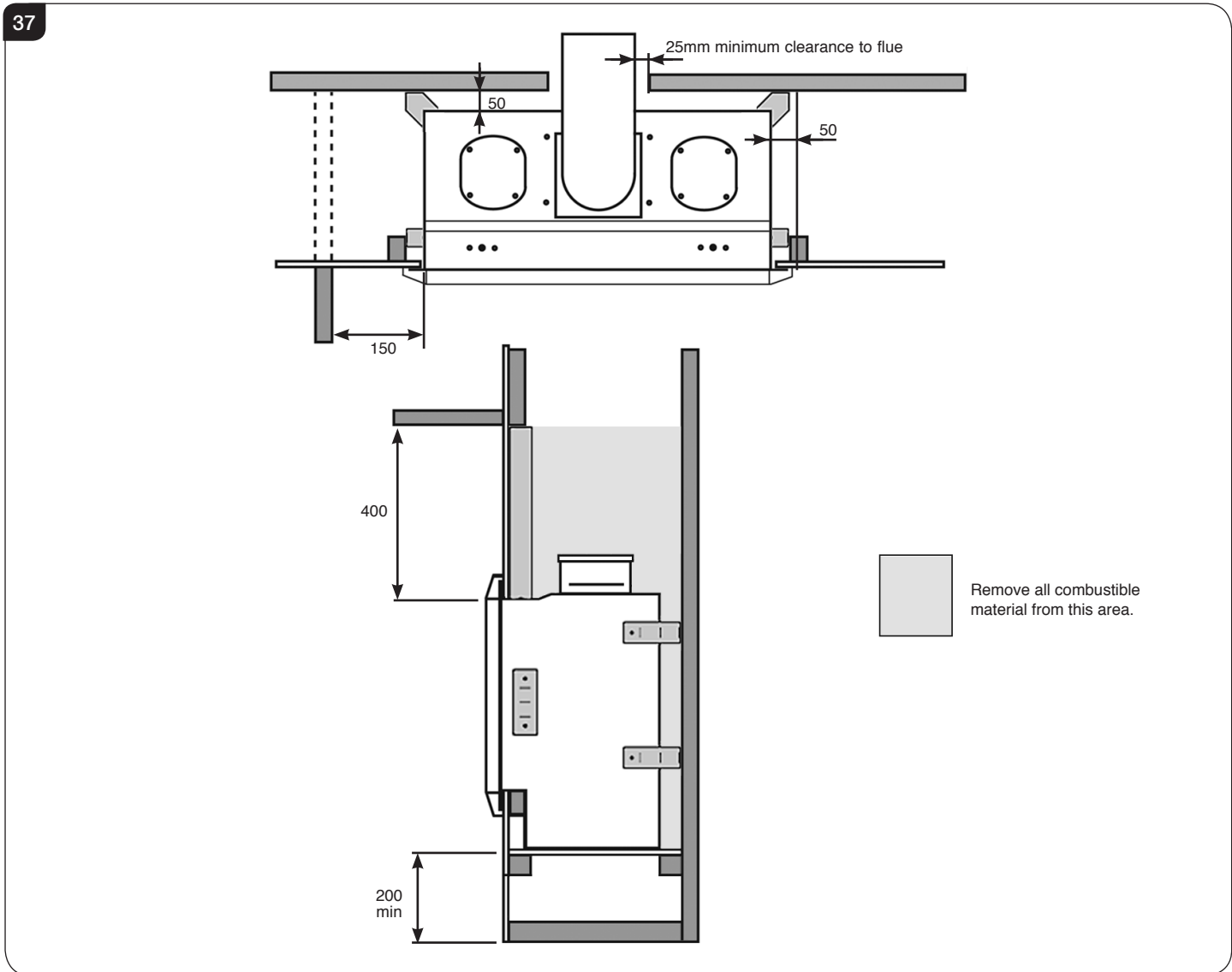
- 6.4 Ensure all inner base timbers are finished with 12mm non combustible heat resistant boarding (Supalux, Promatect or similar). This should cover the base on which the appliance will sit.

- 6.5 Locate the appliance into the aperture and decide on the flue configuration to be used. If it is intended to install the appliance with a horizontal termination through the wall, decide on the vertical flue length required, add the 90° elbow to the top of the vertical length(s) and mark the centre of the flue exit on the wall.
- 6.6 Remove the appliance and prepare the hole through the wall ensuring that all clearances to the terminal have been considered (see site requirements section). When removing the material to construct the hole for the flue exit ensure any local and Nation Building Regulations are adhered to.
- 6.7 If the flue terminal is intended to exit through any combustible materials, these should be removed to a distance of 25mm all around the perimeter of the flue. The hole should then be lined with a metal tube which maintains a clearance of the 25mm to any part of the flue and this should be left clear, see Diagram 37.



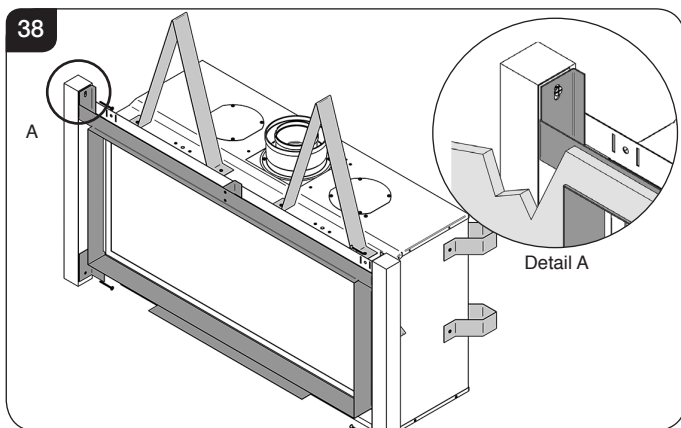
IMPORTANT: The cavity into which the Studio is fitted must be ventilated to prevent a build up of heat. If the cavity is sealed then it will be necessary to fit vents of approximately 200cm² each at both low and high levels. These vents should take cold air from the room and return warm air back into the room.

Installation Instructions



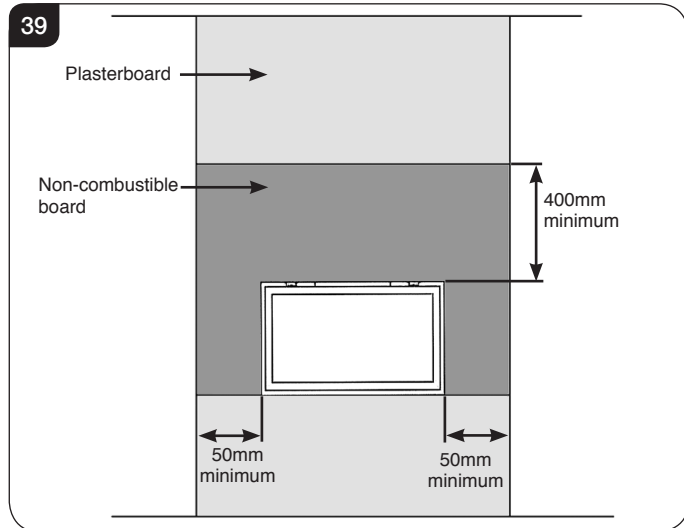
- 6.8 Fix the left and right metal brackets into the studwork.
- 6.9 The kit has been designed so that non-combustible board can be taken right up to the edge of the four brackets, see Diagram 38.

- 6.10 Leaving both sides of the timber frame open, locate the appliance on the base ensuring the gas supply enters through the silicone gas entry under the access panel. Construct the flue as required ensuring it is adequately supported along its entire length, **see section 7**.



Installation Instructions

- 6.11 Fit non combustible board to the front of the timber frame ensuring it projects at least 50mm either side of the appliance and 400mm above the appliance. The remainder of the timber frame may be closed using either non combustible board or plasterboard, see Diagram 39.



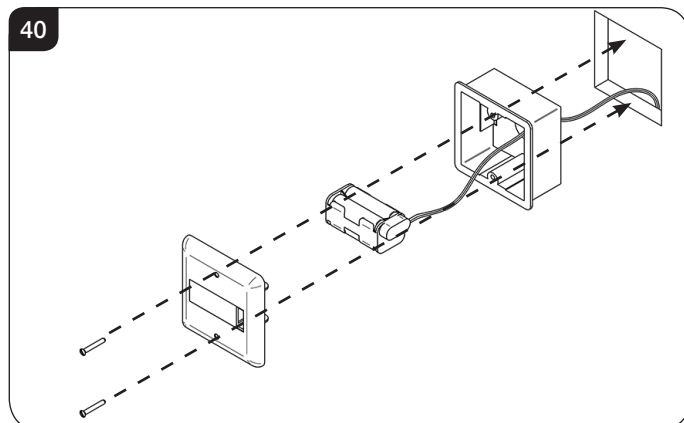
- 6.12 Apply a plaster skim or similar to the front of the finished boards ensuring the appliance remains slightly forward to enable the finishing to extend behind the appliance outer flanges.
NOTE: It is essential to use a Heat Resistant plaster.
- 6.13 Connect the gas supply to the appliance and check for any leaks, see Section 8.

i **Please note: As an optional extra Gazco can provide a mains adapter to supply constant power to the appliance control box instead of the battery pack.**

When installing an appliance with the adapter make provision for a mains power socket within 1.5m of the control box and follow the instructions provided.

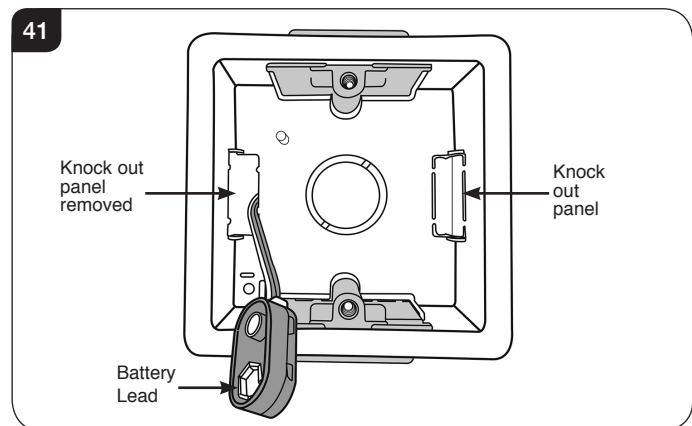
If the mains adapter is used the separate wall mounting box and battery holder will not be required.

- 6.14 Decide on the position of the wall mounted battery box and cut a hole for the recess box to be mounted into.
NOTE: This box is intended for use in heat resistant board or plasterboard and will be held in place when the front is secured using the 2 screws supplied, see Diagram 40.

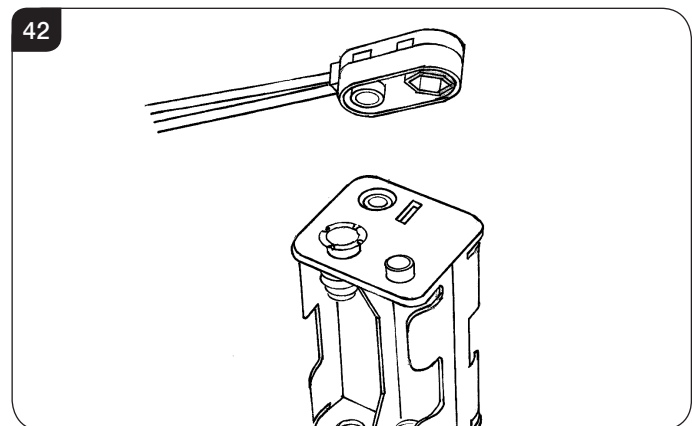


i **IMPORTANT**
The battery holder must be installed using a non-metallic mounting box, please ensure that the plastic dry lining box is used wherever possible. If it is intended to install the battery holder in a masonry wall it is possible to drill through the rear of this box and secure in position using wall plugs and screws although a small amount of finishing work will be required to cover the plastic side securing tags. Alternatively a standard 47mm deep pattress box can be used to surface mount the wall switch.

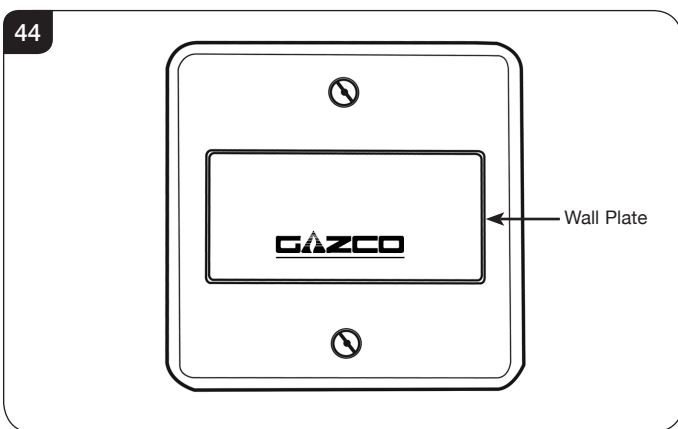
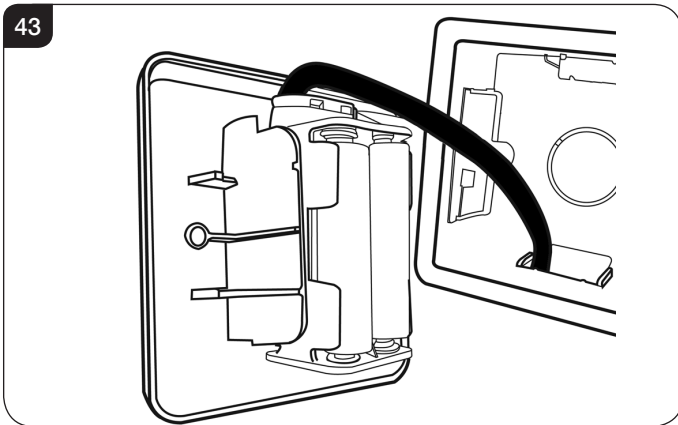
- 6.15 Thread the battery lead which is attached to the appliance through the timber frame and through one of the knock out apertures in the back of the recess box, see Diagram 41.



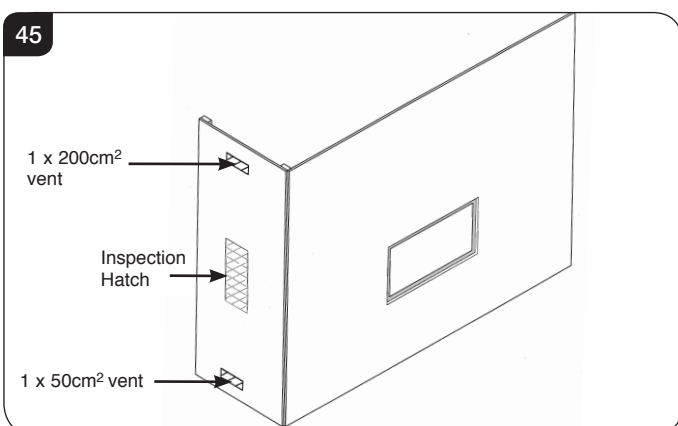
- 6.16 Connect the battery holder to the lead and install the batteries. Secure the front cover plate with the battery holder. Locate correctly and use the screws supplied, see Diagram 42, 43 & 44.



Installation Instructions



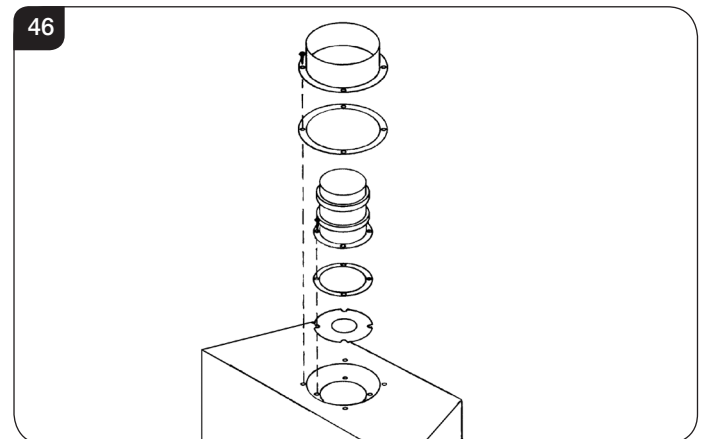
- 6.17 Follow the Commissioning Section to ensure the gas supply and battery cables are working correctly. Ensure all joints in the gas supply are sound and that all flue connections have been made correctly.
- 6.18 Complete the timber frame by securing plasterboard or similar to both sides. Ensure that provision is made in one of the sides to locate a 200cm² air vent (or 2 x 100cm²) at high level and a 50cm² vent at low levels. An access hatch must be made in one side of the timber frame to allow periodic inspection of the flue system as required, see Diagram 45.



7. Flue Assembly

- 7.1 See Site Requirements, Section 2, Flue Options.

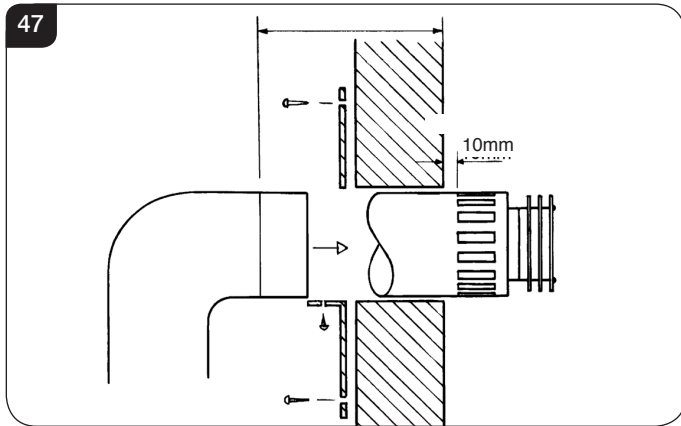
TAKE CARE WHEN MARKING OUT FOR THE FLUE AS IT IS DIFFICULT TO MOVE AFTER INSTALLATION. IF A RESTRICTOR IS REQUIRED FIT THIS BETWEEN THE SMALL OUTLET SPIGOT AND THE AIR DUCT, SEE DIAGRAM 46. REFER TO TECHNICAL SPECIFICATIONS FOR RESTRICTOR SIZE.



- 7.2 A 152mm diameter hole in the wall is required to install the flue. This can be achieved by using either:
- a) Core drill
 - b) Hammer and chisel
- 7.3 Drill small holes around the circumference when using method b). Make good both ends of the hole.
- 7.4 Allow enough room either above or to the side of the appliance to assemble the flue on top.
- 7.5 Assemble a horizontal flue in the following order:
- Vertical section
 - 90° elbow
 - Horizontal plus terminal
- 7.6 Support the opening of a masonry installation with a lintel.
- 7.7 Only the horizontal terminal section can be reduced in size.
- To find the length:
- 7.8 Measure from the outside of the wall to the stop on the 90° elbow.
- 7.9 **Add 10mm to the outlet end.**
- 7.10 Measure from the edge of the slots closest to the wall.

Installation Instructions

7.11 Mark around the flue, see Diagram 29.

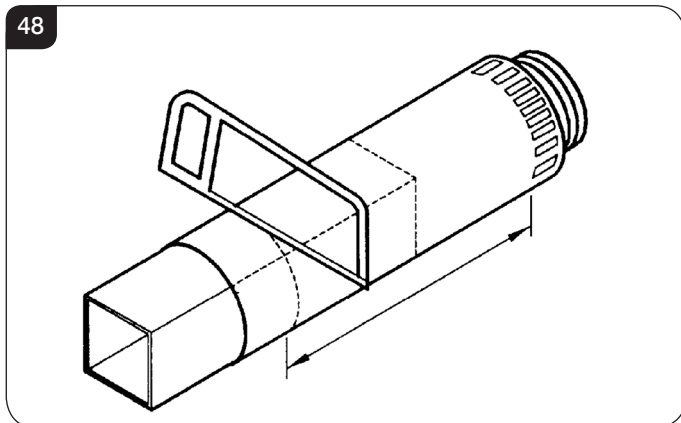


A wall plate is supplied to fix the flue to the wall:

7.12 Bend the tab to 90°.

7.13 Assemble the plate onto the flue but do not secure to wall until the flue is fully assembled, see Diagram 47.

7.14 The cardboard fitment in the terminal is used to support the flue whilst it is cut to length. **ONCE CUT TO SIZE REMOVE THE CARDBOARD REMNANT**, see Diagram 48.



8. Gas Supply

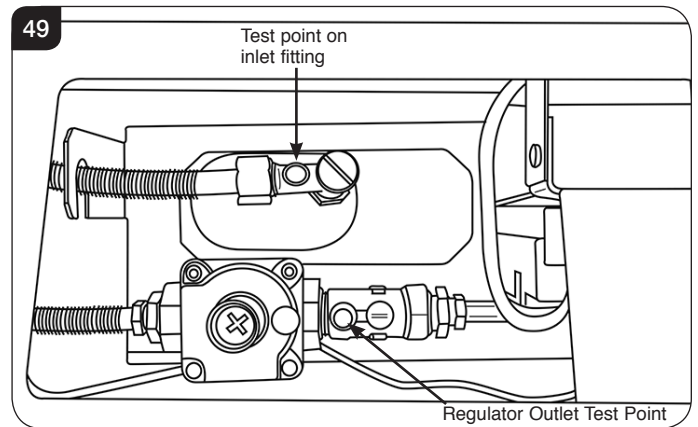
8.1 Remove the compression elbow from the appliance and connect it to the gas supply pipe.

As the appliance is fitted into the enclosure:

8.2 Pass the elbow and supply pipe through the silicone panel on the bottom of the appliance.

8.3 **PURGE THE SUPPLY PIPE.** This is essential to expel any debris that may block the gas controls.

8.4 Connect the elbow to the appliance inlet pipe, see Diagram 49.



8.5 Connect a suitable pressure gauge to the test point located on the inlet fitting and regulator outlet test point, see Diagram 49.

9. Gas Soundness Pressure Check

9.1 Refit the burner unit but do not secure it, turn the gas supply on and perform a pressure drop test to check for leaks in the installation.

9.2 Light the appliance, turn to maximum and check that the supply pressure and test point pressure are as stated on the databadge.

9.3 If the outlet test point pressure is incorrect use the regulator Adjusting Screw to obtain the correct pressure.

9.4 To adjust the pressure:

- Remove the protection cap.

- Adjust the screw on the regulator to the correct outlet pressure.

- Replace protection cap.

9.5 Turn the gas off and replace the test point screws, turn the gas on and check the test points for leaks.

9.6 Replace access panel.

9.7 Check the function of the handset, if there is no communication between the remote control and the appliance, see Commissioning Section.

Installation Instructions

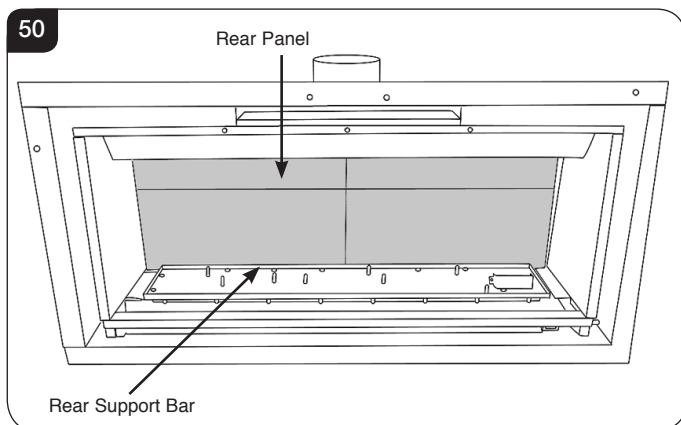
10. Assembling the Appliance

- 10.1 The Studio appliances have the option of two different liner finishes:
Vermiculite
Black Reeded Panels

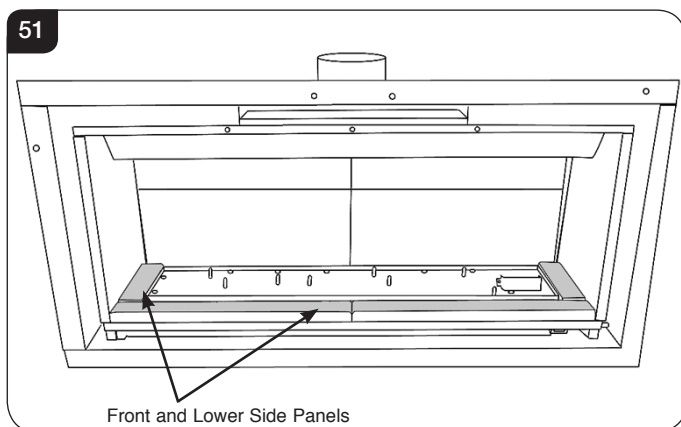
NOTE: ALL FRONT PANELS ARE IN TWO PIECES.

HOLD THE REAR PANELS UNTIL ALL THE OTHER PANELS ARE IN PLACE AS THEY CAN FALL FORWARD.

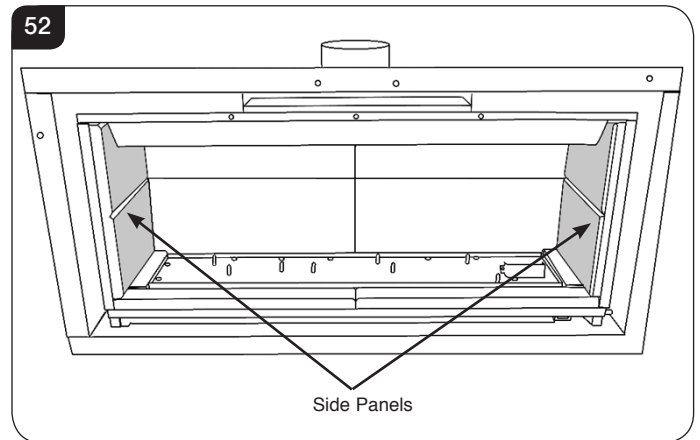
- 10.2 Place the rear panel behind the locating bracket on the rear support bar, see Diagram 50.



- 10.3 Place the lower side and front panels in position so the chamfers meet at the front edge of the burner.
- 10.4 Ensure the two-piece front panels are engaged against the centre support tags on the burner and are pushed together in the middle, see Diagram 51.



- 10.5 Slide the two side panels up to the rear panel, see Diagram 52.



NOTE: THE HORIZONTAL CHAMFERS MUST ALIGN ON THE REAR AND SIDE PIECES.

11. Arrangement of the fuel bed

Advice on handling and disposal of fire ceramics



The fuel effect of the log version of this appliance is made from Refractory Ceramic Fibre (RCF), a material which is commonly used for this application.

Protective clothing is not required when handling these articles, but we recommend you follow normal hygiene rules of not smoking, eating or drinking in the work area and always wash your hands before eating or drinking.

To ensure that the release of RCF fibres are kept to a minimum, during installation and servicing a HEPA filtered vacuum is recommended to remove any dust accumulated in and around the appliance before and after working on it. When servicing the appliance it is recommended that the replaced items are not broken up, but are sealed within heavy duty polythene bags and labelled as RCF waste.

RCF waste is classed as stable, non-reactive hazardous waste and may be disposed of at a licensed landfill site.

Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract; wash hands thoroughly after handling the material.

- 11.1 **Vermiculite for Log Layout:** Place the Vermiculite onto the burner creating an even single layer over the entire area.

TAKE CARE NOT TO SPILL THE VERMICULITE INTO THE PILOT AREA.

ONLY GENUINE GAZCO PARTS CAN BE USED IN THIS APPLIANCE.

Installation Instructions

12. Log Layout

LOGS MUST BE POSITIONED ACCORDING TO THE FOLLOWING INSTRUCTIONS TO GIVE THE CORRECT FLAME EFFECT

- 12.1 Use just enough vermiculite to cover the burner tray, ensuring it is spread evenly across the whole burner.
- 12.2 Rest the ceramic bark against the front face of the pilot shield, see Diagram 53.



All logs can be identified by the letters (A - J) on their underside. The first four logs, I, A, B and C also have holes to locate each onto a burner stud.

- 12.3 Place logs I, A, B and C onto their studs as illustrated in Diagram 54.

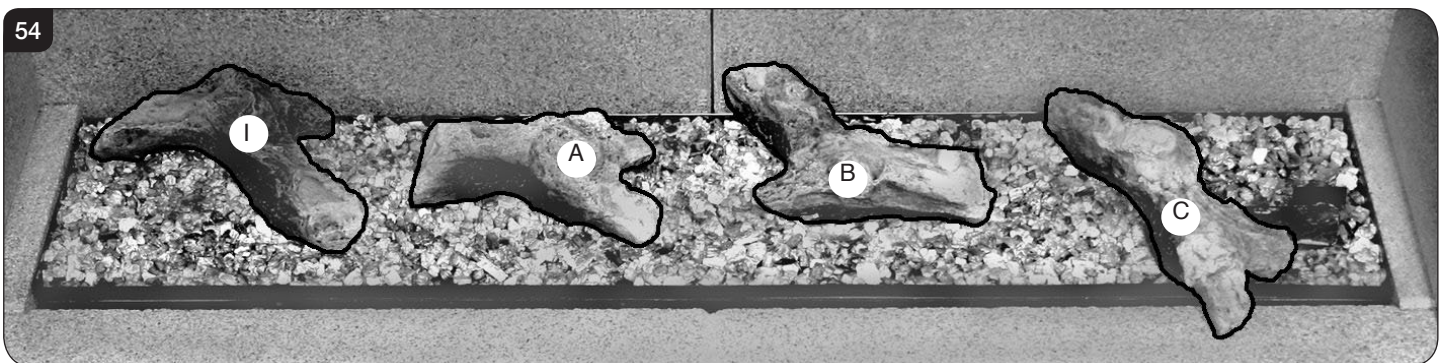
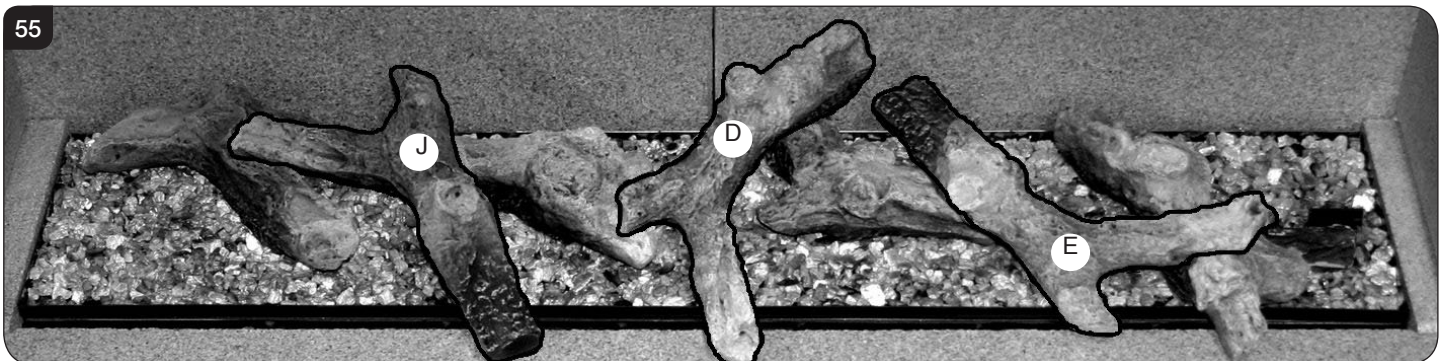


Diagram 55 shows the layout of logs D, E and J.

- 12.4 Log D has a recess on the underside to fit onto the stud of Log B at the back left. The small branch of the log rests on Log A.
- 12.5 A recess in the back of Log E fits the stud on Log B and its long branch rests snugly behind a wood knot of Log C.

The underside of log J has a moulded 'stop'. This rests about 12mm in from the left edge of Log A. The left branch of Log J also rests in the recess in Log I, see Diagram 55.



Installation Instructions

Diagram 56 shows the layout of the last four logs, F, G and two of log H:

- 12.6 Log F fits centrally onto Log I with its front edge resting on the front panel.
- 12.7 Log G is centrally positioned around the moulded wood knot of Log C and rests against the right side panel crossing the pilot shield beneath.
- 12.8 The first Log H rests on the front panel, overlapping Log D and touching Log E.
- 12.9 The second Log H rests anywhere on the front panel between F and J. **DO NOT LET THIS LOG OVERLAP THE BURNER.**

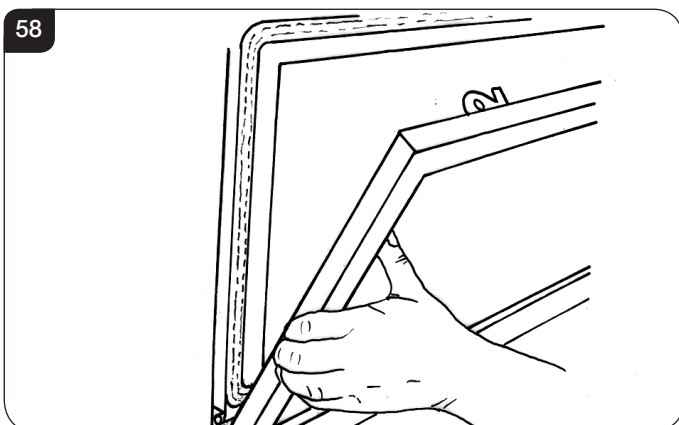


- 12.10 Separate the Embaglow material into smaller pieces and pull into shape to create a fine layer.
- 12.11 Place the pieces of Embaglow between the logs in the highlighted areas shown in Diagram 57. Ensure the material is placed loosely between the logs to create a random glow.

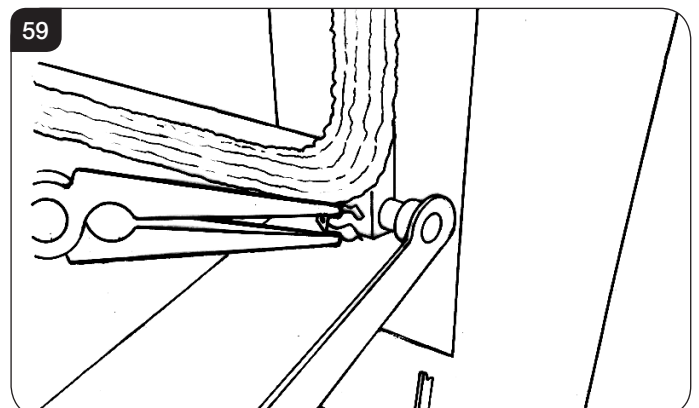


13. Completion of Assembly

- 13.1 To fit the window frame keep the frame in the upright position with the locks uppermost.
- 13.2 Offer the frame to the foot of the opening.



- 13.3 Slide the frame to the right to locate the right hinge pin.
- 13.4 Manoeuvre the frame up towards the left side to locate the left hinge pin.
- 13.5 Slide onto the hinge with a right movement.
- 13.6 Secure in place with the previously removed spring clip at the right hinge pin, see Diagram 59.



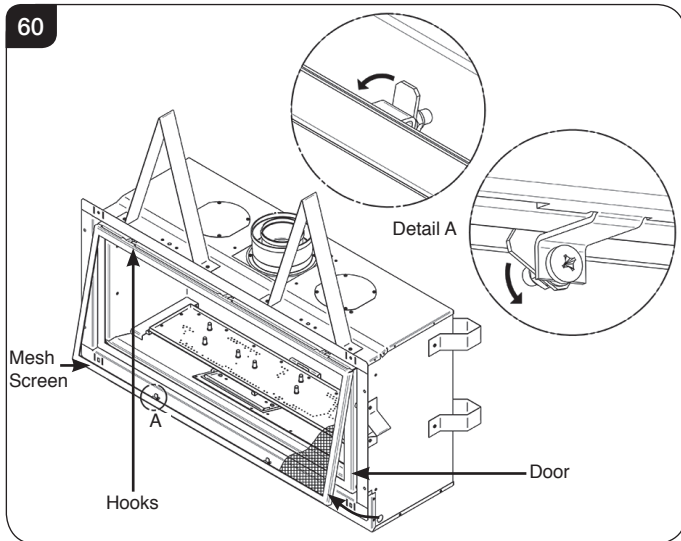
Installation Instructions

13.7 Close the door fully.

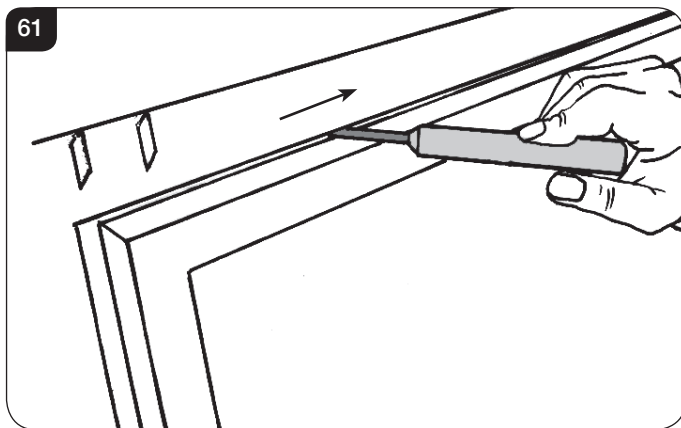
13.8 Attach the mesh screen by placing the top hooks in position over the closed door frame.

Visually align the mesh screen with the door and lower.

Secure by rotating the lower tabs with a screwdriver to an upright position behind the door frame, see Diagram 60 Detail A.



13.9 Using the hexagon key provided close the window locks by moving from open to shut towards the window centre, see Diagram 61.



13.10 When closing the door ensure the door catches are fully engaged.

! UNDER NO CIRCUMSTANCES SHOULD THE APPLIANCE BE USED WITHOUT THE CATCHES HOLDING THE DOOR IN PLACE.

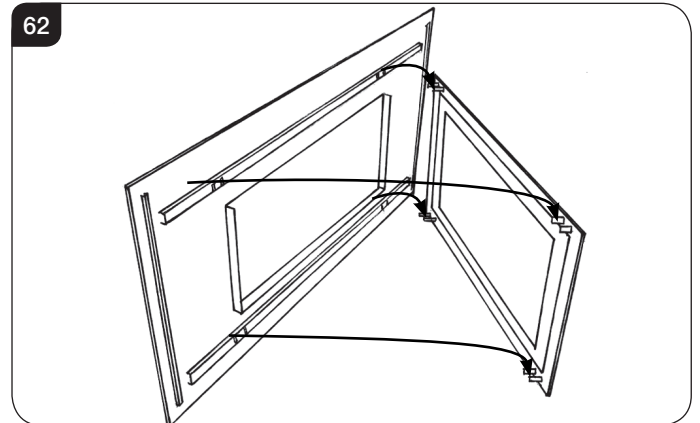
14. Decorative Frame

The fitting of the frame requires 2 people.

To attach the frame:

14.1 Rest the lower fixing angle of the frame onto the bottom brackets attached to the appliance flange.

14.2 Lift the upper angle onto the top brackets and lower, see Diagram 62.

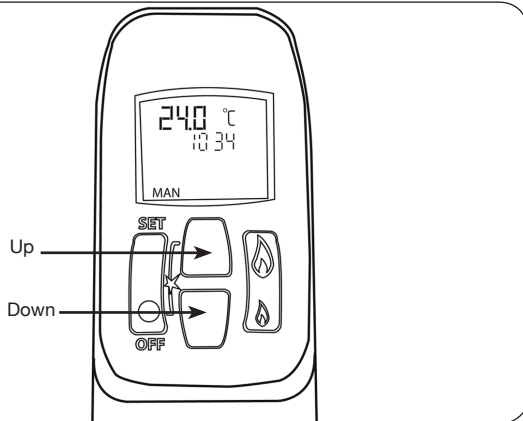


Installation Instructions

15. Lighting the Appliance

The appliance is operated by thermostatic remote control.

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15.1 Turning the appliance On

Your remote can control the gas fire from pilot ignition through to shut down.

To turn the fire on press the OFF button and the UP button simultaneously. You hear several short signals.

The pilot and main burner ignite and the remote is now in Manual Mode:



IMPORTANT: YELLOW FLAMES TYPICALLY APPEAR WHEN THE APPLIANCE HAS REACHED NORMAL OPERATING TEMPERATURE. THIS CAN TAKE UP TO 30 MINUTES.



WARNING: IF THE APPLIANCE FAILS TO LIGHT OR BECOMES EXTINGUISHED IN USE, WAIT 3 MINUTES BEFORE ATTEMPTING TO RELIGHT.

15.2 There are 3 different modes available for controlling and operating the appliance:

1. Manual Mode
2. Temp Mode (Automatic)
3. Timer Mode (Automatic)

15.3 In **MANUAL MODE** you can:

- turn on the main burner using the UP button
- regulate the flame from high to low and back
- turn off the burner leaving just the pilot burning

In **TEMP MODE (Automatic)** you can:

- set the room temperature so the thermostat in the remote automatically maintains that temperature

In **TIMER MODE (Automatic)** the fire:

- turns on and off according to the set time periods
- automatically regulates the room temperature during the set periods



NOTE: When operating the fire in Temp or Timer mode, the pilot remains lit and the fire then automatically switches on at programmed times to bring the room to the set temperature whether or not you are in the room. NEVER LEAVE ANY COMBUSTIBLE MATERIALS WITHIN 1 METRE OF THE FRONT OF THE APPLIANCE.

Switching Between Modes

- 15.4 Press the SET button to change to Temperature Mode. Press again to change to Timer Mode. Keep pressing to run through all operating modes. These are:
- MAN
 - DAY TEMP
 - NIGHT TEMP
 - TIMER
- and back to MAN

NOTE: MAN mode can also be reached by pressing either the UP or DOWN button.

Manual Mode

- 15.5 Press the OFF button and the UP button simultaneously. You hear several clicks and audible beeps as the fire begins the ignition process, (up to 30 seconds).

Turning the appliance Off:

Press the OFF button to turn the appliance off

FOR SAFETY, YOU MUST WAIT 30 SECONDS BEFORE LIGHTING THE FIRE AGAIN.

Increasing the Flame Height:

Press the UP button once to increase flame height one stage. Press and hold the UP button to increase to maximum.

Decreasing the Flame Height:

Press the DOWN button once to decrease flame height one stage. Press and hold the DOWN button to decrease to minimum. At the lowest point the fire goes to 'Standby Mode' (Only Pilot lit).



NOTE: While pressing a button a symbol indicating transmission appears on the display. The receiver confirms transmission with a sound signal.

FOR FULL OPERATING INSTRUCTIONS AND TROUBLESHOOTING SEE USER INSTRUCTIONS.

Commissioning

1. Commissioning

1.1 Complete the Commissioning Checklist at the front of this manual covering:

- Flue checks
- Gas checks
- Log layout - flame picture

For working pressure test, use the access panel at the gas connection ensuring the burner is in position. Refer to Installation Instructions, Section 2.

1.2 Ensure all safety checks listed in the Commissioning Section are completed, paying particular attention to the glass panel checks and securing of the glass frame.

1.3 Upon completion of the commissioning and testing of the installation and correct operation of the appliance, the installer must instruct the user how to operate the appliance.

1.4 Guide the user through the User Instructions paying particular attention to:

- a) Regular servicing (Section 9 of the User Instructions).
- b) Ventilation (Section 10 of the User Instructions) - point out the ventilation positions where applicable.
- c) Hot surfaces (Section 12 of the User Instructions).
- d) How the appliance works with the remote control handset and the modes of operation (Section 2 of the User Instructions).
- e) How to change settings in the auto mode and program modes of operation.
- f) What to do if the appliance fails to operate (Section 13 of the User Instructions).

Reprogramming handset/Control box

To access the control box see Servicing Instructions, Section 10 - Main Control Assembly.

— Press and hold the reset button on the control box until you hear two signals. After the second longer signal:

— Release the reset button and within 20 seconds:

— Press the DOWN button on the handset until you hear two additional short signals confirming the new code is set. If there is a single long signal the code learning sequence has failed or the wiring is incorrect.

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