

THE COLLECTION

by Michael Miller

Luxe

LOG EFFECT BALANCED FLUE ROOM HEATER

Installation, Maintenance & User Instructions

Hand these instructions to the user

Model No. DCHLLXRN is for use on Natural Gas (G20) at a supply pressure of 20mbar in G.B. / I.E.

Information Requirements for Commission Regulation (EU) 2015/1188

Model Identifier	DCHLLXRN
Indirect Heating Functionality	No
Direct Heat Output	6.7kW
Indirect Heat Output	Not Applicable
Fuel	Natural Gas (G20)
NOx Emissions	130mg/kWh
Nominal Heat Output	6.7kW
Minimum Heat Output (Indicative, all models)	2.3kW
Useful Efficiency at Nominal Heat Output	76.4%
Useful Efficiency at Minimum Heat Output (Indicative)	50.0%
Auxilliary Power Consumption at Nominal Heat Output	0.0805008kW
Auxilliary Power Consumption at Minimum Output	0.0805008kW
Auxilliary Power Consumption at Standby Mode	0.0805008kW
Permanent Pilot Flame Requirement	0.213kW
Type of Heat Output / Room Temperature Control	With electronic room temperature control plus day timer
Contact Details	BFM Europe Ltd. Gordon Banks Drive Trentham Lakes North Stoke-on-Trent ST4 4TJ Tel : 01782 339000

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SECTION 1 INFORMATION AND REQUIREMENTS

1.0 APPLIANCE INFORMATION

GAS INFORMATION

Main injector : (1 off)	Stereomatic Pattern 4 – size 2.55mm
Pilot Type :	Black Technigas - Polidoro G27.2
Max. Gross Heat Input :	9.8kW
Min. Gross Heat Input :	4.5kW
Gas Rate :	0.903 m ³ /hr (High) 0.415 m ³ /hr (Low)
Cold Pressure : (G20)	20.0+/-1.0 mbar (8.0 +/- 0.4 in w.g.)
Ignition :	Via remote handset, integral to gas valve control system
Electrode Spark Gap :	4.0mm
NOx Level	Class 5
Packed Weight Combustion Chamber	105kg

ELECTRICAL INFORMATION - PLEASE NOTE THIS PRODUCT REQUIRES A MAINS ELECTRICITY SUPPLY

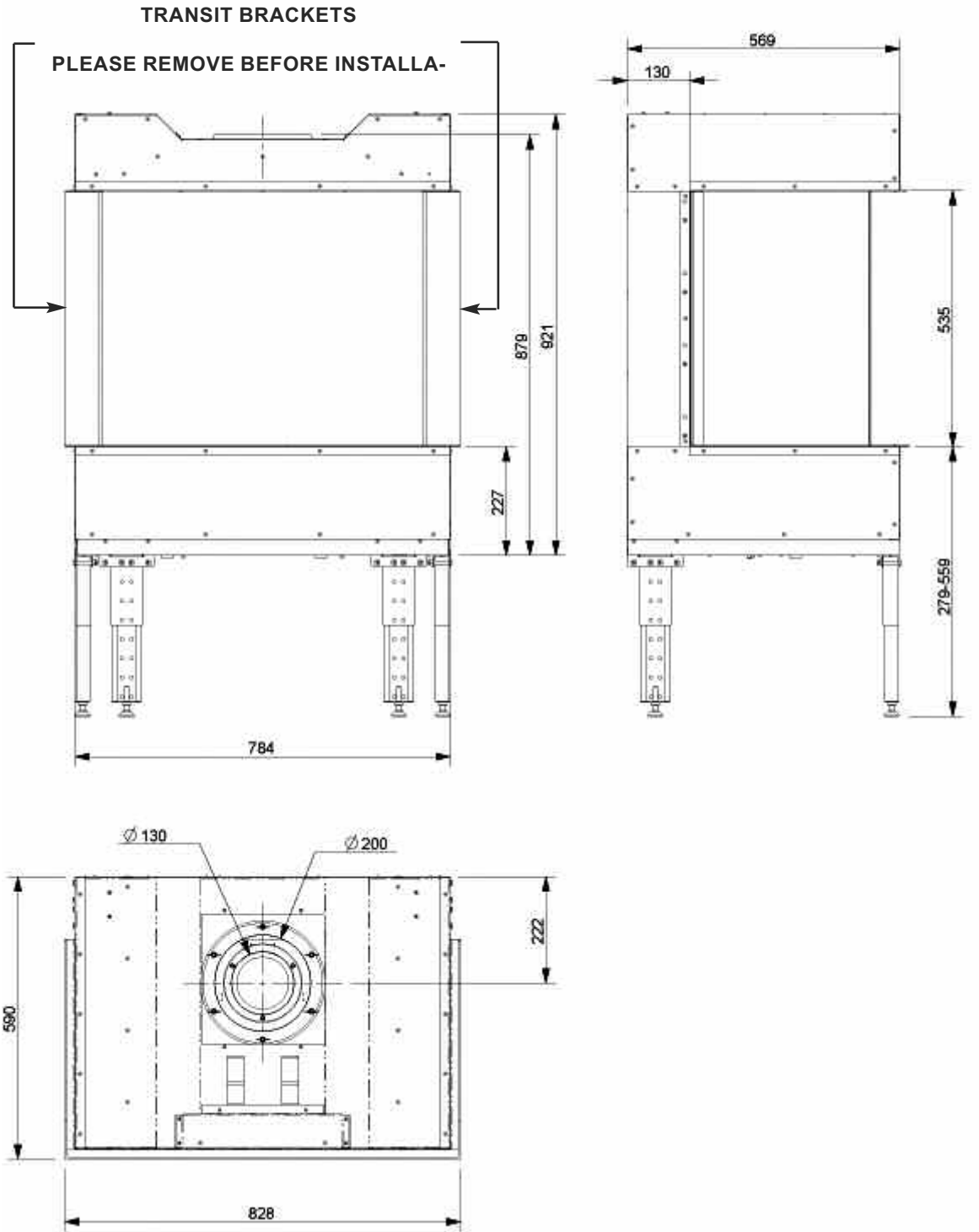
Supply Voltage :	230V a.c.
Supply Frequency :	50Hz
Supply Fuse :	3 Amp to BS 1362
Electrical Supply Required	230v AC, 50Hz
IP Rating	IPX0

APPLIANCE EFFICIENCY DECLARATION

The efficiency of this appliance has been measured as specified in BS EN 613 : 2001 on a CII flue system and the result obtained is up to 69%. The gross calorific value of the fuel has been used for this efficiency calculation. The test data from which it has been calculated has been certified by BSI. The efficiency value may be used in the UK Government's Standard Assessment Procedure (SAP) for energy rating of dwellings.

1.1 PRODUCT DIMENSIONS - LUXE MODEL

Fig. 1 FRONT VIEW / SIDE VIEW / TOP VIEW



INSTALLATION REQUIREMENTS

1.2 CONDITIONS OF INSTALLATION

It is the law that all gas appliances are installed only by a GAS SAFE Registered Installer, in accordance with these installation instructions and the Gas Safety (Installation and Use) Regulations 1998 as amended. Failure to install appliances correctly could lead to prosecution. It is in your own interest and that of safety to comply with the law.

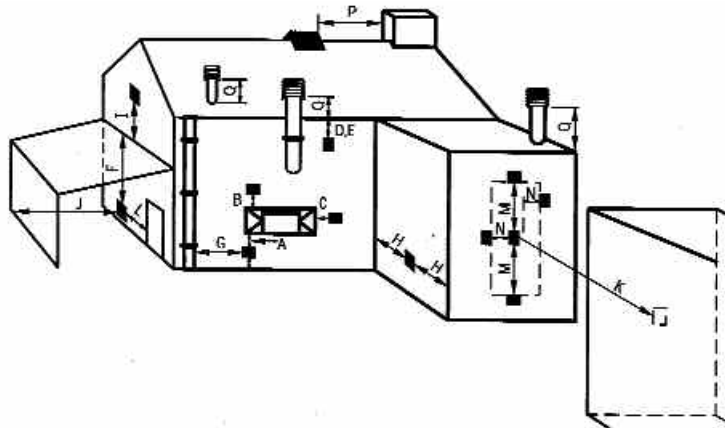
The installation must also be in accordance with all relevant parts of the Local and National Building Regulations where appropriate, the Building Regulations (Scotland Consolidation) issued by the Scottish Development Department, and all applicable requirements of the following British Standard Code of Practice.

1. B.S. 5871 Part 1 Installation of Gas Fires
2. B.S. 6891 Installation of Gas Pipework
3. B.S. 5440 Parts 1 & 2 Installation of Flues and Ventilation
4. I.S 813 : 1996 Domestic Gas Installation, issued by the National Standards Authority of Ireland.

1.3 FLUE TERMINAL POSITION

The minimum acceptable dimensions from the flue terminal to obstructions and ventilation openings are shown below and listed in the table. It is important that the position of the flue allows the free passage of air across it at all times. The minimum acceptable space from the flue terminal to obstructions and ventilation openings are specified below in figure 2.

Fig. 2



DIMENSION	TERMINAL POSITION	MINIMUM DIMENSION
A	Directly below an opening, air brick, opening window	300mm (12in)
B	Above an opening, air brick, opening window	300mm (12in)
C	Horizontally to an opening, air brick, opening window etc.	
D	Below gutters, soil pipes or drain pipes	300mm (12in)
E	Below eaves	300mm (12in)
F	Below balconies or car port roof	600mm (24in)
G	From a vertical drain pipe or soil pipe	300mm (12in)
H	From an internal or external corner	600mm (24in)
I	Above ground roof or balcony level	300mm (12in)
J	From a surface facing the terminal	600mm (24in)
K	From a terminal facing the terminal	600mm (24in)
L	From an opening in the car port	1200m (48in)
M	Vertically from a terminal on the same wall	1500mm(59in)
N	Horizontally from a terminal on the same Wall	300mm (12in)
O	NOT APPLICABLE	N/A
P	NOT APPLICABLE	N/A
Q	NOT APPLICABLE	N/A

SECTION 2 INSTALLATION OF FIRE

2.1 UNPACKING THE COMPONENTS

Remove the loose item packaging carefully from the pack. Check the contents as listed :-

DO NOT UNDER ANY CIRCUMSTANCES INSTALL THIS APPLIANCE IF ANY OF THE GLASS PANELS ARE BROKEN OR NOT SECURELY FIXED TO THE COMBUSTION CHAMBER.

Packing Check List - Product & Flue Kit

Pack 1 of 3 - Combustion Chamber Pack

1 off	Combustion chamber & glass assembly				
1 off	Boxed ceramic fuel-bed set (packed inside combustion chamber)				
1 off	Installation / user instruction manual				
3 off	Convection air grills				
1 off	Loose items pack – containing :-	3 off AAA 1.5v batteries,	2 off combustion chamber securing brackets,	remote handset,	1 off handset wall brkt (inc. fixings),
					1 off glass removal tool, 2 off G9 Halogen bulbs

Pack 2 of 3 - Horizontal Balanced Flue System Pack

1 off	Adaptor	1 off	0.5m length of flue	1 off	Terminal guard
1 off	90 degree elbow	1 off	Horizontal wall terminal	2 off	Locking bands
1 off	Protection band				

or

Pack 2 of 3 - Vertical Flue Kit

1 off	Adaptor	1 off	Vertical terminal
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In addition, all flue lengths, roof flashing, clamps and accessories as required by the individual flue system design should be purchased as required from the manufacturer, if you require to purchase any additional flue components, please contact the UK distributor for Metaloterm products, contact details as below :-

Schiedel Chimney Group
Crowther Estate
Washington
Tyne & Wear
NE38 0AQ

Tel : (0191) 4161150

Packing Check List - False Chimney Assembly Kit

Pack 3 of 3

8 off	3 metre lengths of "C" section frame (Item A)
4 off	Horizontal channel (Item D)
4 off	Horizontal channel (Item F)
4 off	Floor / ceiling channel (Item B)
4 off	Floor / ceiling channel (Item C)
1 off	Front support channel (Item H)
2 off	Tie bar bracket (Item E)
2 off	Lengths of M8 threaded bar - 730mm long (Item J)
8 off	M8 nuts (Item I)

2.2 SPECIFYING THE FLUE SYSTEM & ASSOCIATED COMPONENTS

This product comes with the option of 2 methods of flueing :-

Decide upon the method of flue that is most suitable for the property in which you are installing the product, from the following options :-

2.2.1 Balanced Flue in Horizontal Configuration

This flueing method uses a 0.5 metre vertical pipe starter pipe section, then utilises a 90 degree elbow and a terminal section to provide a horizontal pipe from 324mm (minimum) up to 469mm (maximum). Additional flue duct can then be purchased to allow installation up to a maximum wall thickness of 1395mm. The flue can be installed to terminate directly out the wall behind the appliance or at the L/H side or R/H side by rotating the elbow section. If the terminal is fitted below 2m from ground level, a terminal guard must be fitted in England & Wales. BFM Europe supply a suitable guard in the Horizontal Flue Kit. See section 2.4

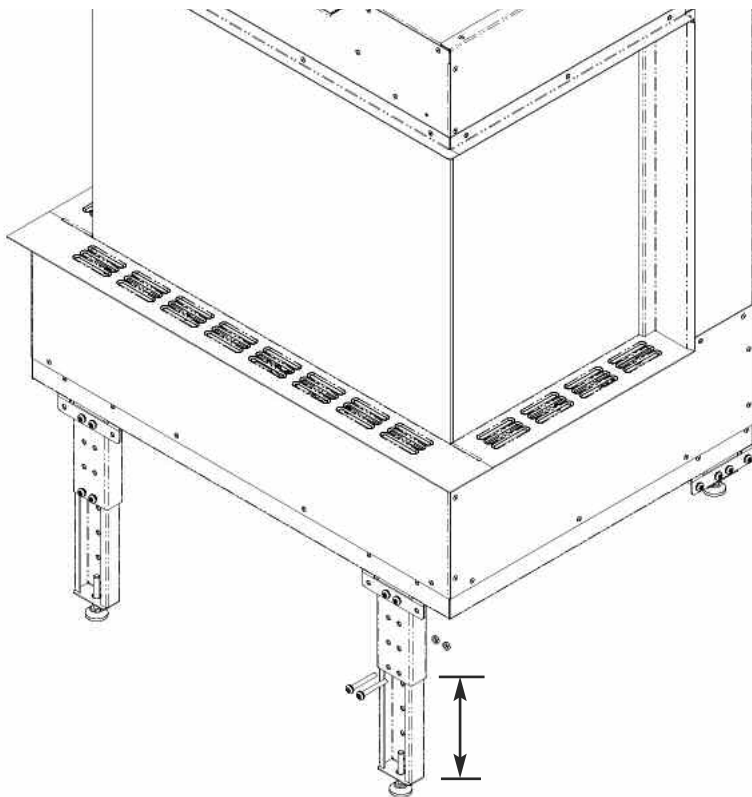
2.2.2 Balanced Flue in Vertical Configuration

This flueing method utilises a rigid interlocking balanced flue duct to enable a vertical balanced flue system to be used. All components required are supplied within the flue kit with the exception of the lengths of co-axial pipe and storm collars which are dependent upon the individual installation. This method is most suited when a false chimney breast is being constructed due to no chimney / insufficient depth and an outside wall is not available. See section 2.5

2.2.4 Leg Height Adjustment

Adjust the height of the legs to suit the installation height for the product that you wish to achieve to obtain the required aesthetic look the customer wants. There are various adjustment positions for the legs on the combustion chamber as shown below in figure 3. Remove securing screws / bolts, adjust leg height and replace screws / bolts as required.

Fig. 3



To enable fine adjustment of the product when in its final position, there is adjustment available via the rubber feet as shown on figure 11 above, the feet can be adjusted using a 1/2" open ended spanner.

2.3 INSTALLATION OF THE GAS SUPPLY

- 2.3.1 Before installing the combustion chamber, decide from which side or if a rear connection to the gas supply is required. Plan the pipe run to enter from below the combustion chamber from the left, right or rear and connect to the inlet elbow.
- 2.3.2 Ensure if the gas supply is routed through any cavity brickwork that the pipe is sleeved and sealed with a suitable flexible, non setting compound.

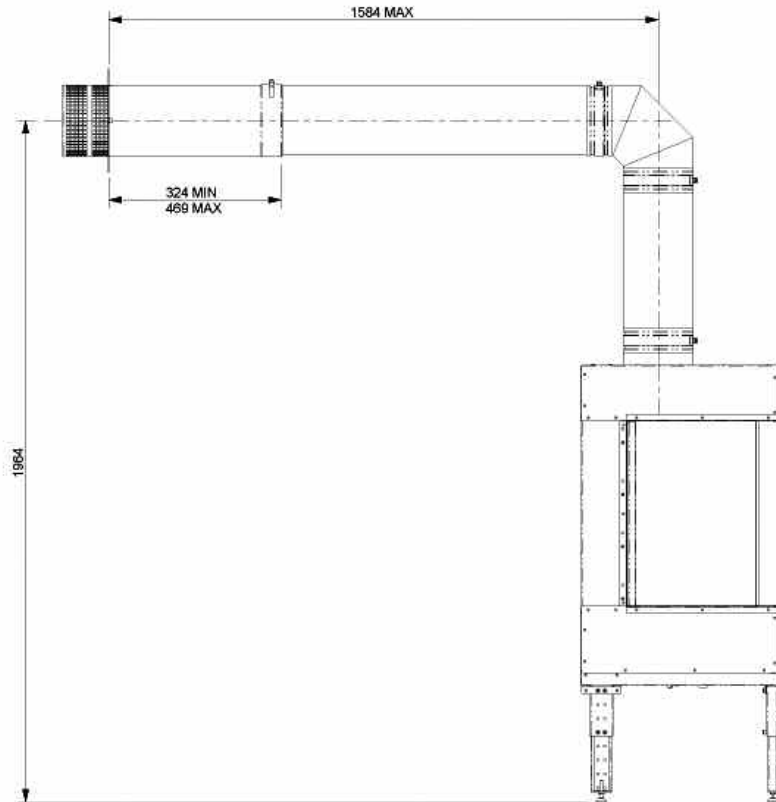
Note : Before breaking into the gas supply a gas tightness test should be carried out to establish that the existing pipework is sound.

Note : Please ensure that the transit brackets are removed from the product before continuing with the installation.

2.4 BALANCED FLUE IN HORIZONTAL CONFIGURATION

2.4.1 Horizontal balanced flue configuration and components identified as shown below in figure 4

Fig. 4



PLEASE NOTE : THE FLUE TERMINAL SHOULD BE FITTED WITH THE WELDED JOIN LINE AT THE BOTTOM, FACING THE GROUND.

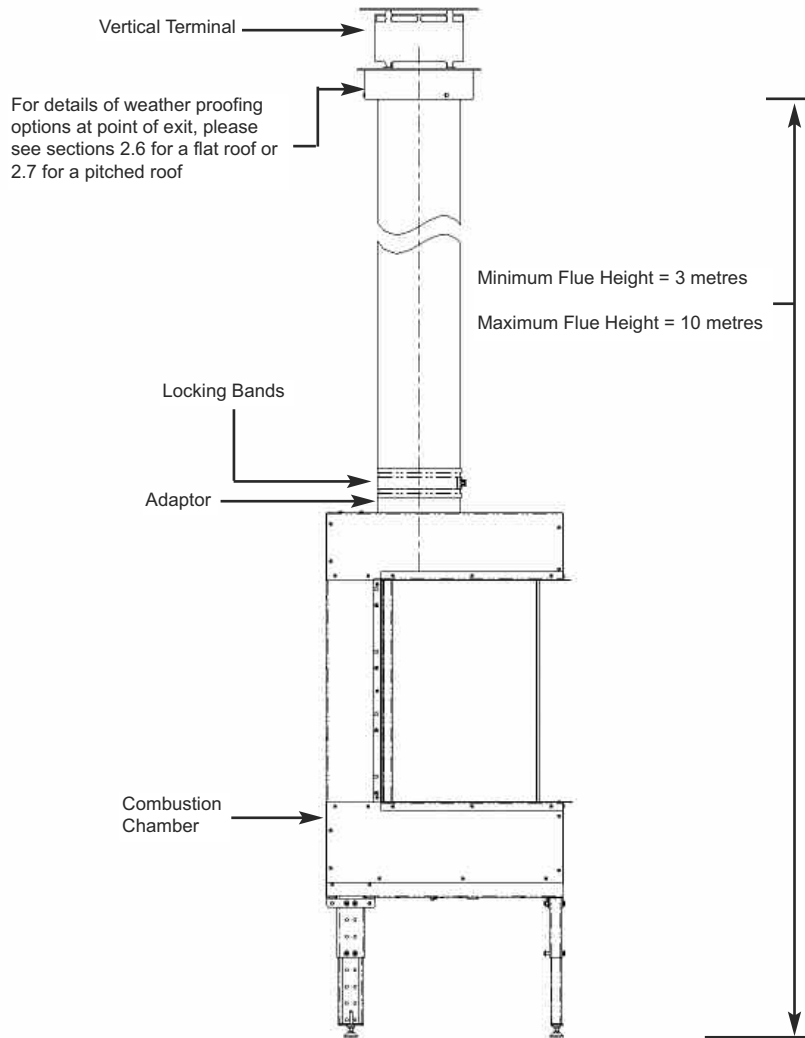
- 2.4.2 Mark the position of the centre of the flue on the inner wall, taking into account the adjustment available for the height via the adjustable feet. (See figure 4 above for position).
- 2.4.3 Cut hole for outer flue pipe. There are two possible methods to achieve this, either core drill or via hammer and chisel.
- 2.4.4 To core drill, proceed as follows :-
- 2.4.5 Drill a pilot hole through the wall, in position as specified in figure 4 above.
- 2.4.6 Using a 6" core drill, drill the flue hole.
- 2.4.7 To Hammer and chisel, proceed as follows :-
- 2.4.8 Mark the position of the centre of the flue pipe as specified in figure 4 above.
- 2.4.9 Mark the position of the hole around this point.
- 2.4.10 Chisel out the area as marked on the wall.
- 2.4.11 We then recommend that a cardboard cylinder is placed around the flue pipe and inserted in the chiselled out hole whilst making good. A wall plate is provided on the flue duct to seal the terminal around the flue pipe opening and make good. Please ensure all joints are taped with suitable high temperature tape when assembling the flue pipe sections together.

NOTE :- If the appliance is to be installed into a building under construction, it is recommended that a non-corrosive metal tube of 6" diameter be inserted into the position of the hole as specified above in figure 4, ensure the terminal guard that is supplied is fitted if the flue outlet position requires it to be.

2.5 BALANCED FLUE IN VERTICAL CONFIGURATION

2.5.1 Vertical flue configuration and components identified as shown below in figure 5.

Fig. 5



2.6 BALANCED FLUE IN VERTICAL CONFIGURATION (FLAT ROOF)

2.6.1 Determine the position of the flue run within the property and the termination position is correct in accordance with BS 5440. Ensure that clearances to combustible surfaces (50mm minimum) are sufficient where the flue run may come within close contact of joists etc.

2.6.2 For a flat roof installation the following components will need to be ordered from Metaloterm :-

USMPG13	Mounting plate	USKB13	Locking band
US100-13/50-13/25-13	Concentric flue - quantity required dependent upon flue height required	USDP13	Flat roof flashing
USSR13	Storm collar		

2.6.3 To install the flue system therefore, make hole in roof, install the mounting plate (USMPG13) underneath the roof and secure with screws. (See figure 6 overpage)

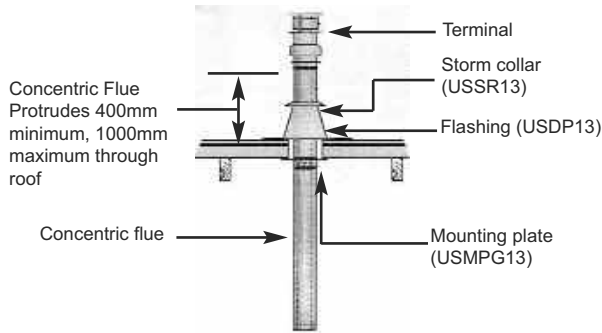
2.6.4 Place a locking band (USKB13) in the mounting plate (USMPG13). Put the concentric flue US100-13/50-13/25-13 through the mounting plate and locking band until it protrudes by 400mm min, 1000mm max through the roof. Fix the flat roof flashing (USDP13) over the flue and fix it to the flat roof. See figure 6 overpage. Please ensure all joints are taped with suitable high temperature tape when assembling the flue pipe sections together.

2.6.5 Seal the opening between the flue and flashing with silicone rubber and a storm collar (USSR13). See figure 6 overpage.

2.6.6 Install the terminal (contained within the terminal kit requested at point of order from BFM Europe Ltd.) with a locking band and fix with 3 nuts.

2.6.7 Finish the roof covering over the flashing and weatherproof.

Fig. 6



2.7 BALANCED FLUE IN VERTICAL CONFIGURATION (PITCHED ROOF)

2.7.1 Determine the position of the flue run within the property and the termination position is correct in accordance with BS 5440-1. Ensure that clearances to combustible surfaces (50mm minimum) are sufficient where the flue run may come within close contact of joists etc.

2.7.2 For a pitched roof installation the following components will need to be ordered from Metaloterm :-

USCP13	Cover plates (pair)
USKB13	Locking band
US100-13/50-13/25-13	Concentric flue - quantity required dependent upon flue height required
USDH13	Slope roof flashing or USLS13 Lead slope roof flashing
USSR13	Storm collar
USDQ13	Roof support

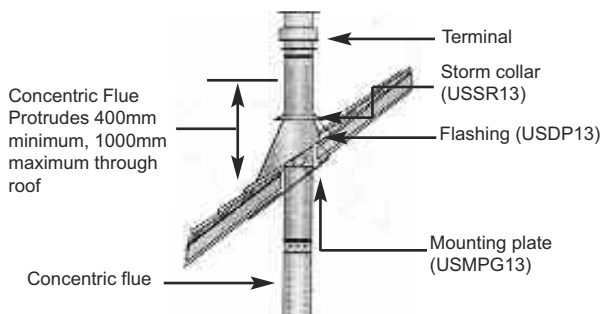
2.7.3 To install the flue system therefore, make hole in roof, install the pair of cover plates (USCP13) underneath the roof, put the concentric flue US100-13/50-13/25-13 through the mounting plate and locking band until it protrudes by 400mm min, 1000mm max through the roof. Centre the flue and secure with the roof support (USDQ13) and screws. (See figure 7 below) Please ensure all joints are taped with suitable high temperature tape when assembling the flue pipe sections together.

2.7.4 Put the slope roof flashing USDH13 (or in the case of a tiled roof the lead flashing USLS13) over the flue and make a weather proof finish. Seal the opening flue and flashing with the silicone rubber and the storm collar (USSR13).

2.7.5 Install the terminal (contained within the terminal kit requested at point of order from BFM Europe Ltd.) with a locking band and fix with 3 nuts.

2.7.6 Finish the roof covering over the flashing and weatherproof.

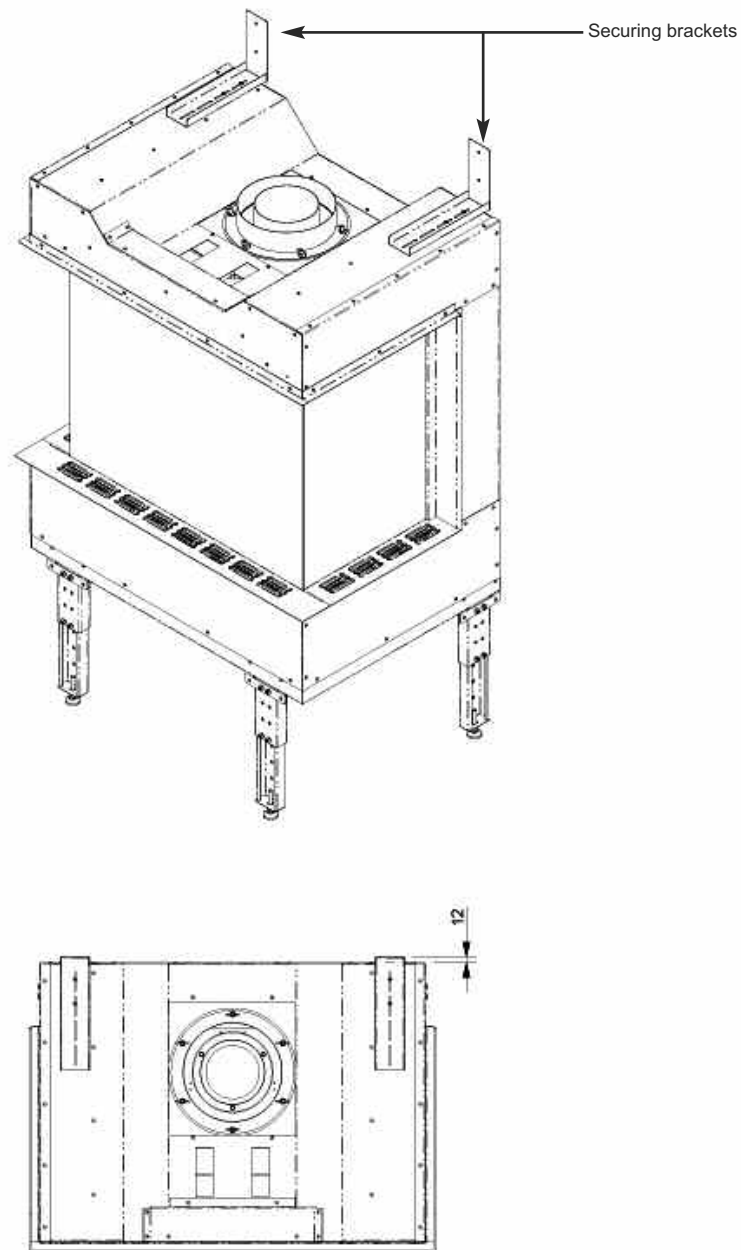
Fig. 7



2.8 SECURING THE COMBUSTION CHAMBER

2.8.1 The product must be secured to the false chimney breast structure, using the brackets supplied in the loose items kit, as shown below in figure 8. Use fixings suitable for the structure of the false chimney breast

Fig. 8

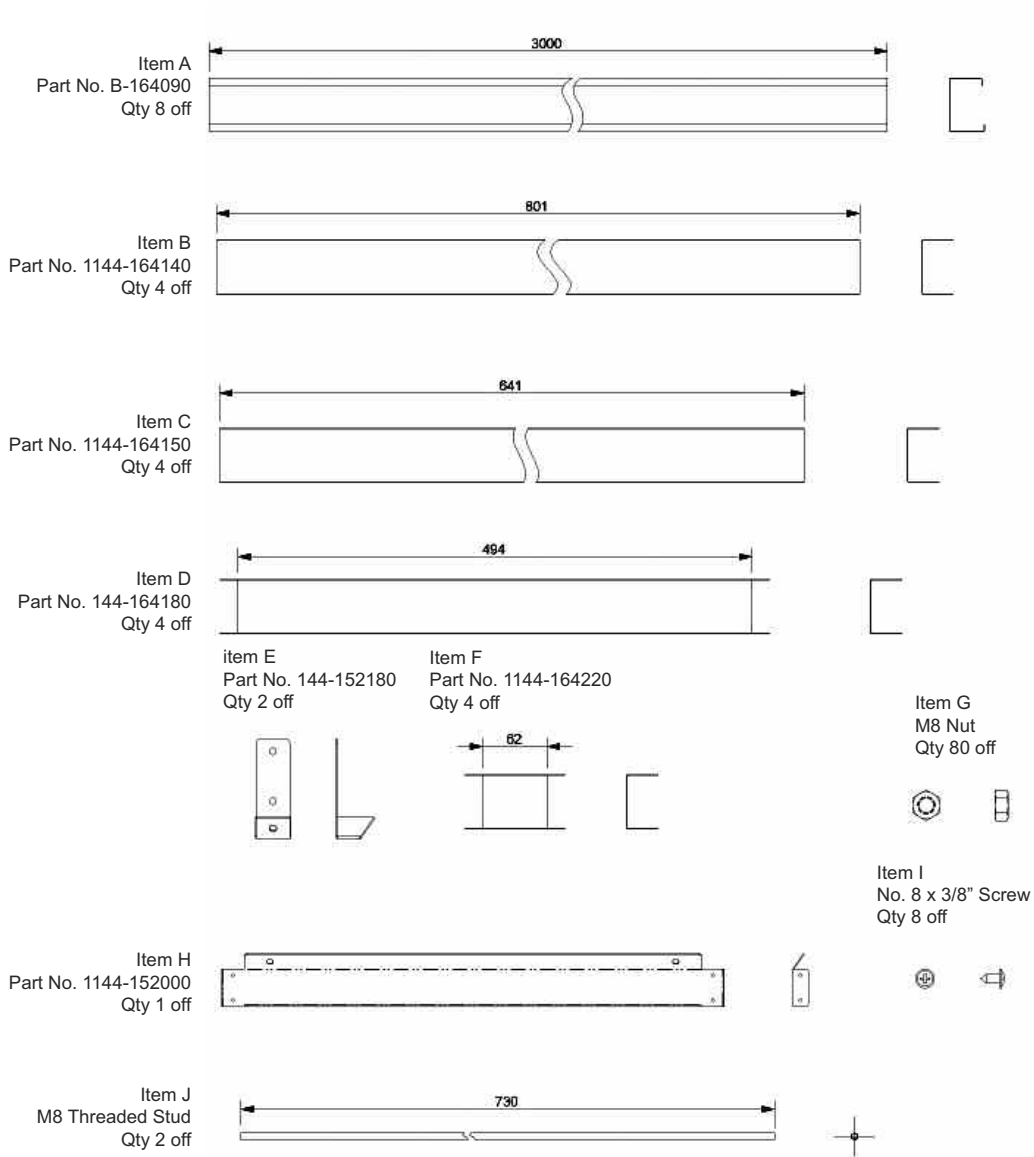


NOTE : The dimensions as stated in figure 8 above are dimensions specified for use with the optional false chimney breast construction kits as supplied by BFM Europe. Please be aware that fixing points for retailer designed false chimney breast constructions may differ from those stated in figure 8 above.

2.9 CONSTRUCTION OF THE FALSE CHIMNEY BREAST - "LUXE" MODELS

- 2.9.1 To assist in the construction of a false chimney breast a series of kits are available to order from BFM Europe. Whilst it is not mandatory to use these kits the manufacturer does recommend they are used as they have been specifically designed to suit the product.
- 2.9.2 Firstly check the kit contains the components as shown below in figure 9 and detailed on page 6, then follow the instructions as detailed on the following pages to fit the false chimney breast.
- 2.9.3 Ensure provision for the gas and electricity connections to the product have been made (section 3.5 & 3.6) before making good the false chimney breast.

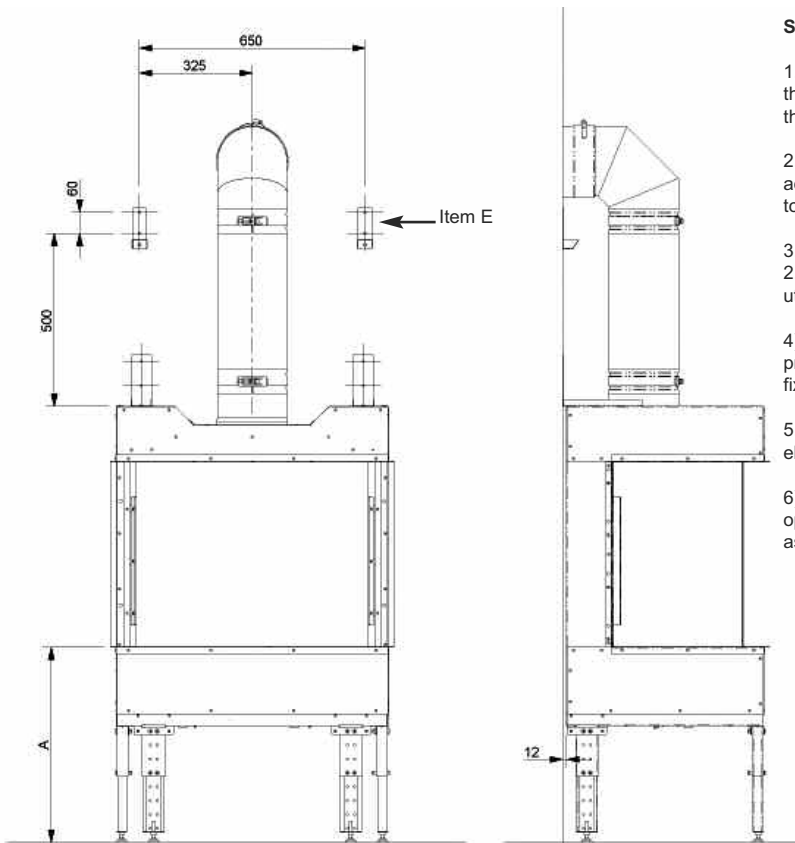
Fig. 9



PLEASE NOTE : For the external faces of the studwork a non combustible board such as "Promat Supalux" should be used in a double 6mm thickness, giving an overall thickness of 12mm "Promat Supalux" board is available from CCF Manchester, Tel : (0161) 877 4088

2.9.4 Proceed as detailed below in figure 10 & 11

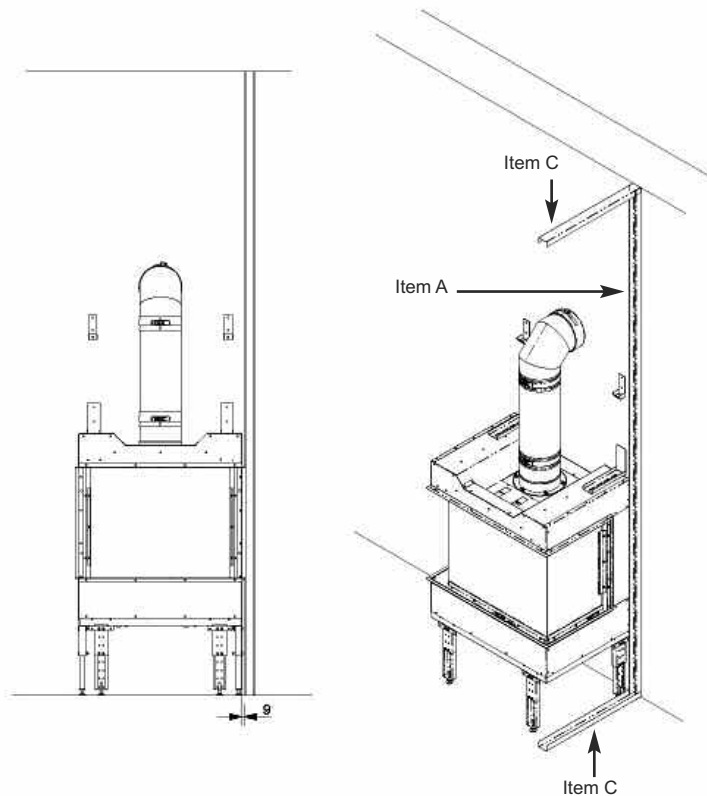
Fig. 10



Stage 1

- 1.) Position the product as required, ensuring there is a 12mm air gap as shown, this is to suit the standard floor channels.
- 2.) Set height "A" to required position using adjustable legs, using the adjustable rubber feet to adjust the final required height.
- 3.) Install flue kit as described in section 2.4 or 2.5 depending upon flue configuration being utilised.
- 4) Fix tie bar brackets (Item E) to wall above product in positions indicated using suitable fixings (not supplied).
- 5.) Install gas supply as per section 2.3 and make electrical connection as per section 3.7
- 6.) It is recommended at this stage to test the operation of the product before completing the assembly of the false chimney breast.

Fig. 11



Stage 2

- 1.) Mark a vertical line on the wall in line with the side of the product.
- 2.) Continue the line along the floor in line with the side of the product.
- 3.) Fix a floor channel (item C) 6mm away from the marked line using suitable fixings (not supplied) thereby leaving a gap around the product to the studwork.
- 4.) Cut 4 off Item A to length required by measuring up to ceiling height and subtracting 2mm to allow for floor and ceiling channels (item C).
- 5.) Fix item A to wall (fits inside floor channel item C) using suitable fixings (not supplied). Ensure this is vertical and parallel to the product.
- 6.) Fix channel to ceiling (item C) using one of the cut lengths of item A as a guide to align the outer ends of item B at ceiling & floor level.

2.9.5 Proceed as detailed below in figure 12 & 13

Fig. 12

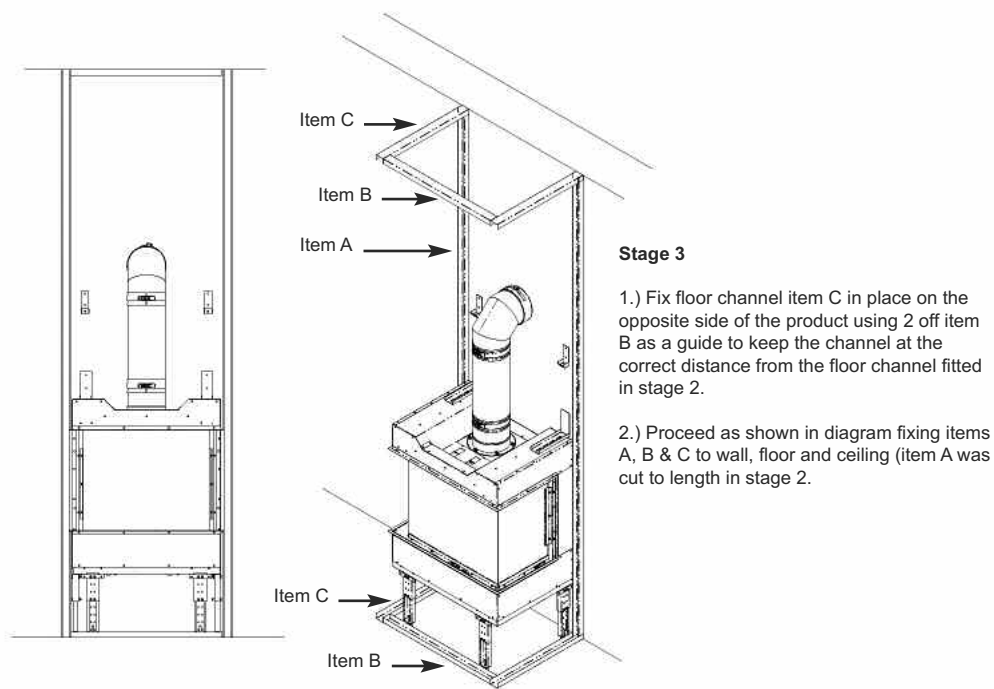
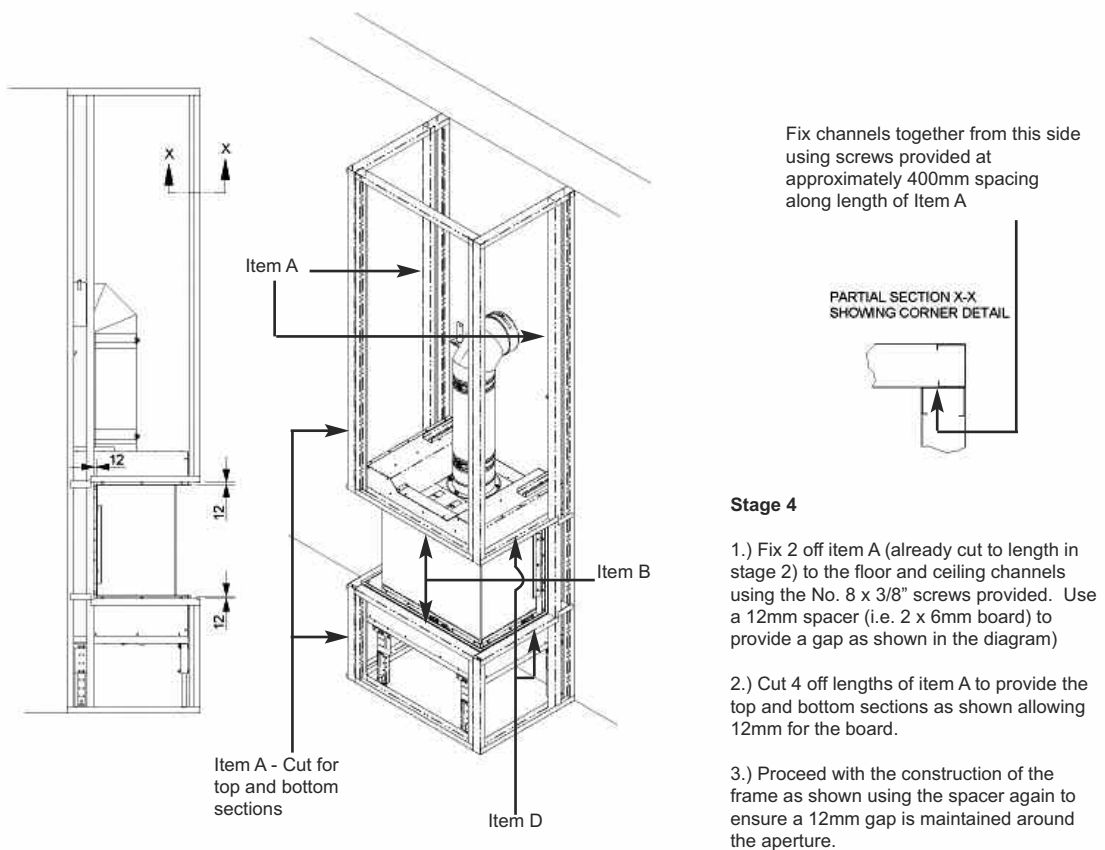
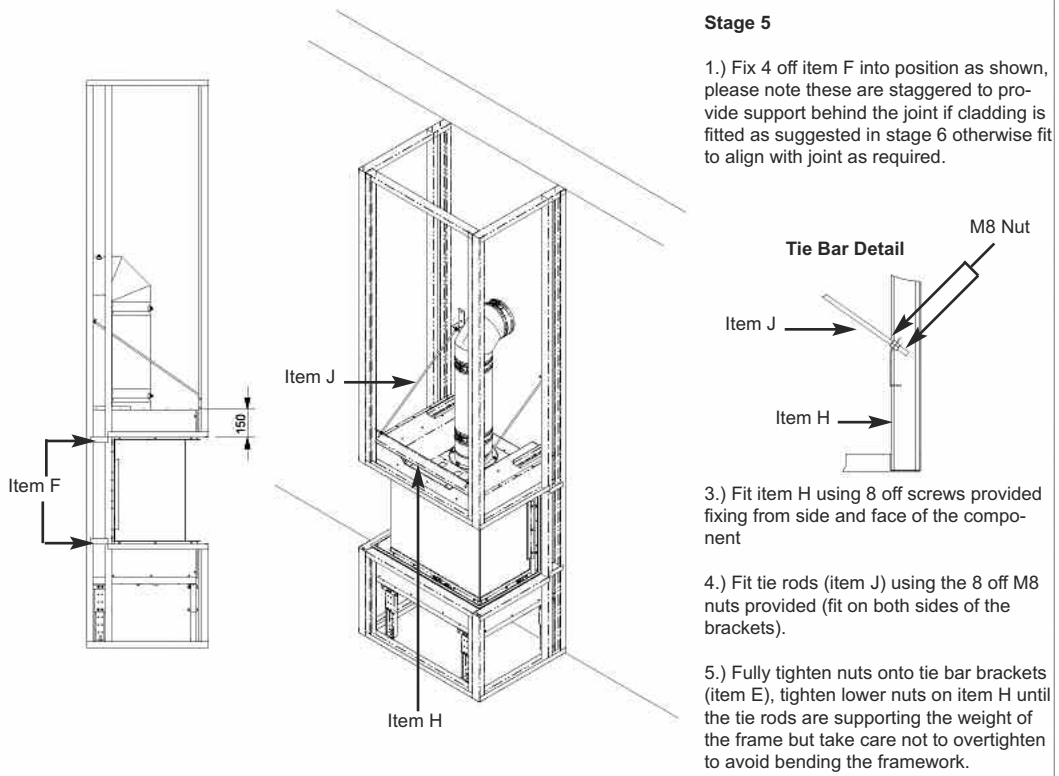


Fig. 13



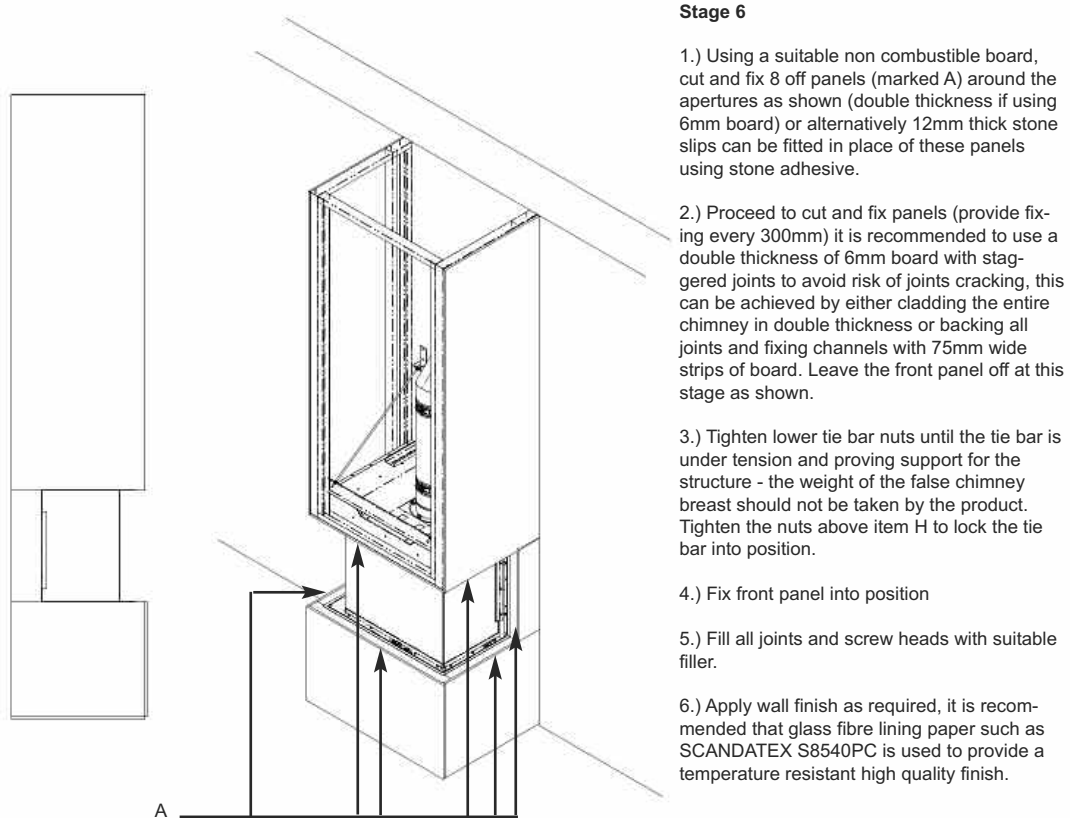
2.9.6 Proceed as detailed below in figure 14 & 15.

Fig. 14



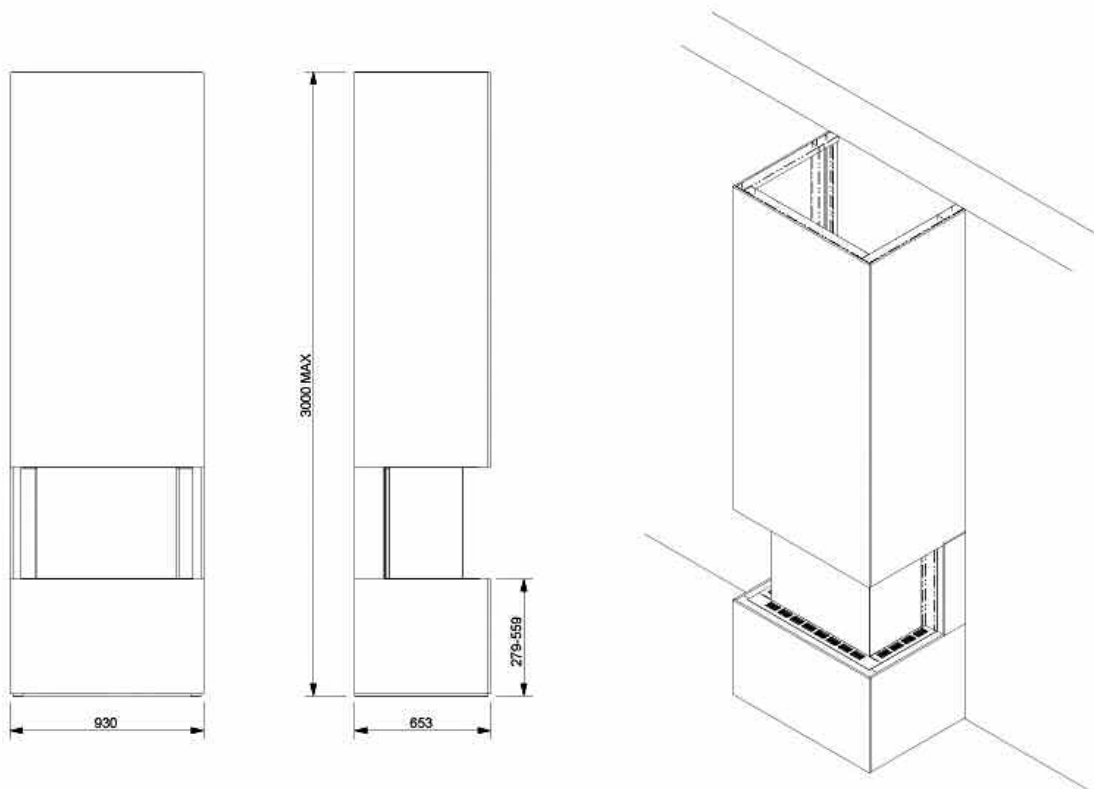
2.9.7 Complete the installation of the false chimney breast as detailed below in figure 15, apply a wall finish as necessary.

Fig. 15



2.9.8 Finished false chimney as shown below in figure 16.

Fig. 16



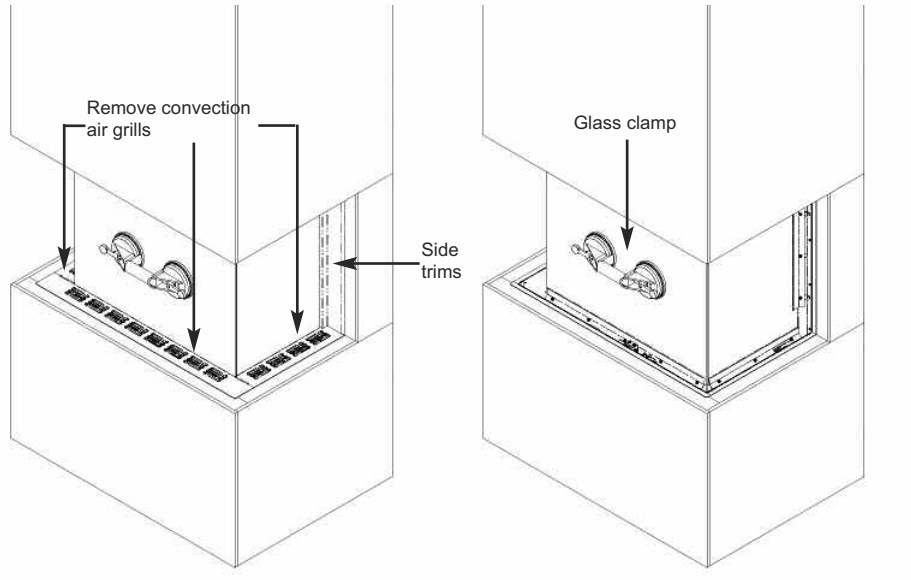
PLEASE NOTE : For the external faces of the studwork a non combustible board such as “Promat Supalux” should be used in a double 6mm thickness, giving an overall thickness of 12mm
“Promat Supalux” board is available from CCF Manchester, Tel : (0161) 877 4088

2.10 REMOVING / REPLACING THE GLASS PANELS

2.10.1 The glass should be removed as shown below in figure 17, 18, 19 & 20.

2.10.2 Firstly secure the glass clamp to the front glass panel as indicated by the position of the clamp below, then remove the 3 off convection air grills and side trims from around the product by simply lifting clear as shown below in figure 17.

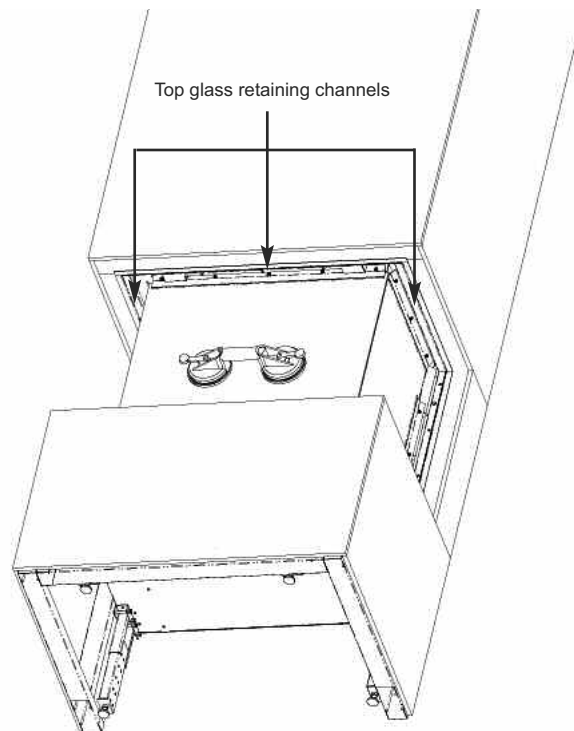
Fig. 17



2.10.3 Loosen the bottom glass retaining channels screws (DO NOT REMOVE THE CHANNELS AS THIS IS NOT NECESSARY).

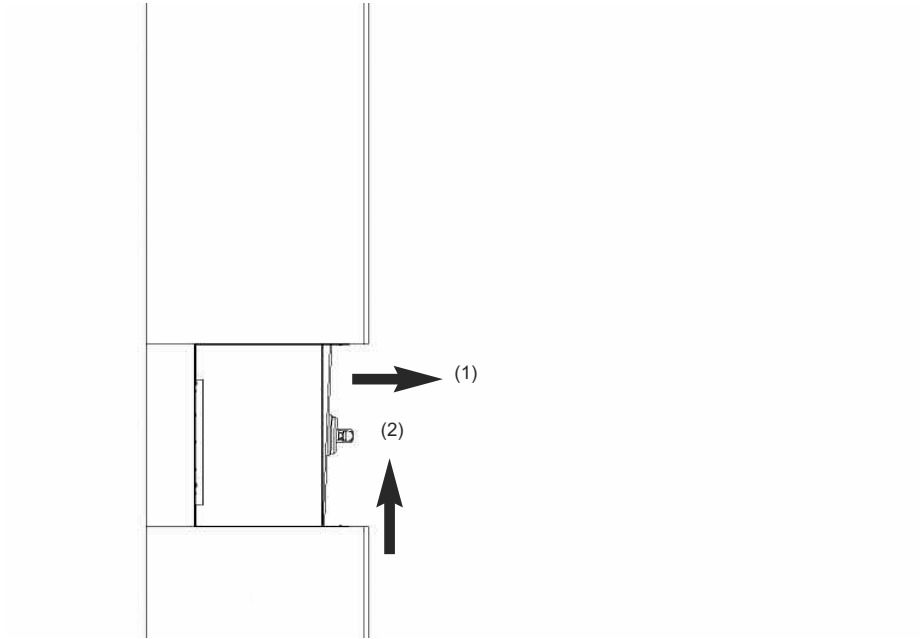
2.10.4 Remove the top glass retaining channels by removing the retaining screws as shown below in figure 18.

Fig. 18



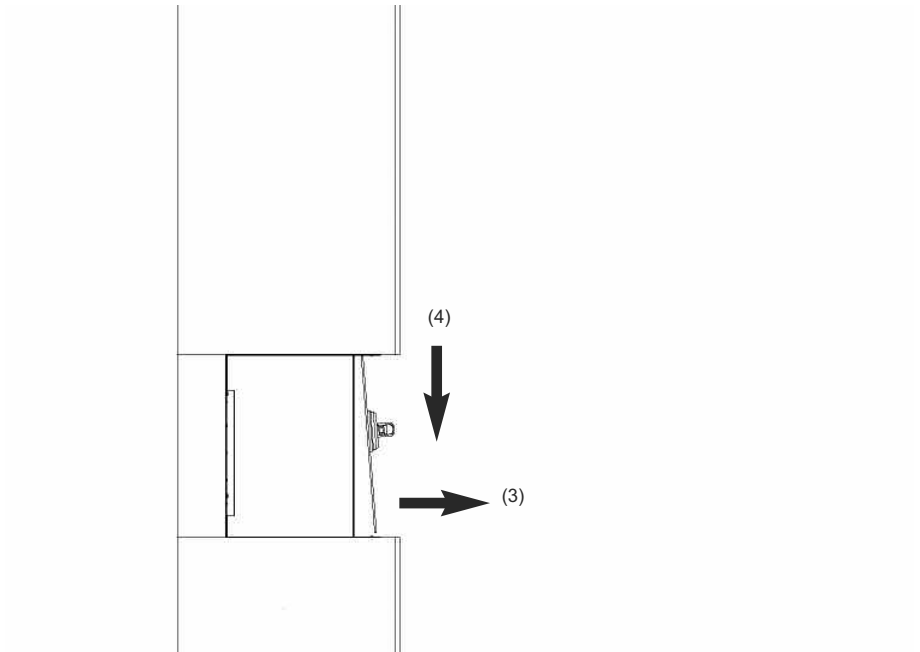
2.10.5 Tilt the front glass panel a few degrees forwards (1) as shown below in figure 19, then lift vertically (2).

Fig. 19



2.10.6 Tilt the glass panel forwards at the base (3), then remove from the product in a vertical direction downwards (4) as shown below in figure 20.

Fig. 20



2.10.7 Store the glass panel in a safe place. **DO NOT PROCEED WITH THE INSTALLATION IF THE GLASS PANELS ARE BROKEN, CRACKED OR CHIPPED.**

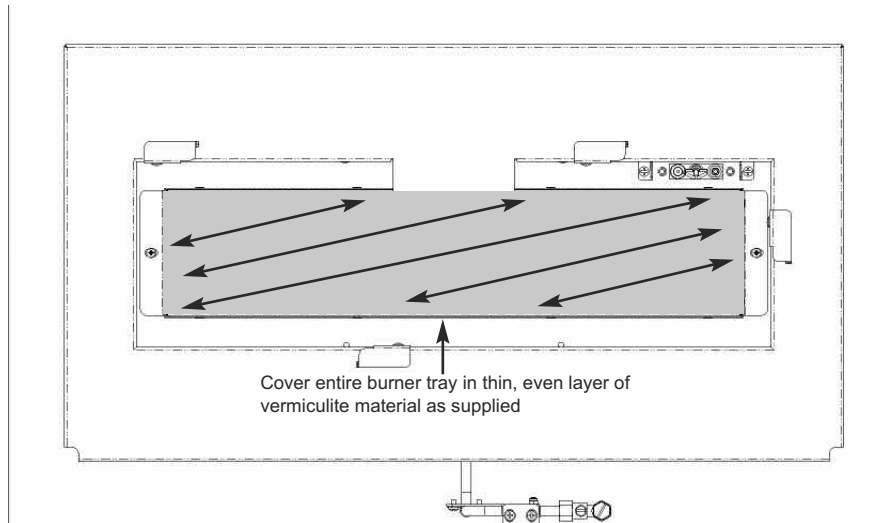
2.10.8 Repeat the process to remove the side glass panels if necessary (usually only the front panel needs to be removed).

2.10.9 Replace in reverse order.

3.1 FITTING THE FUEL-BED LOGSET

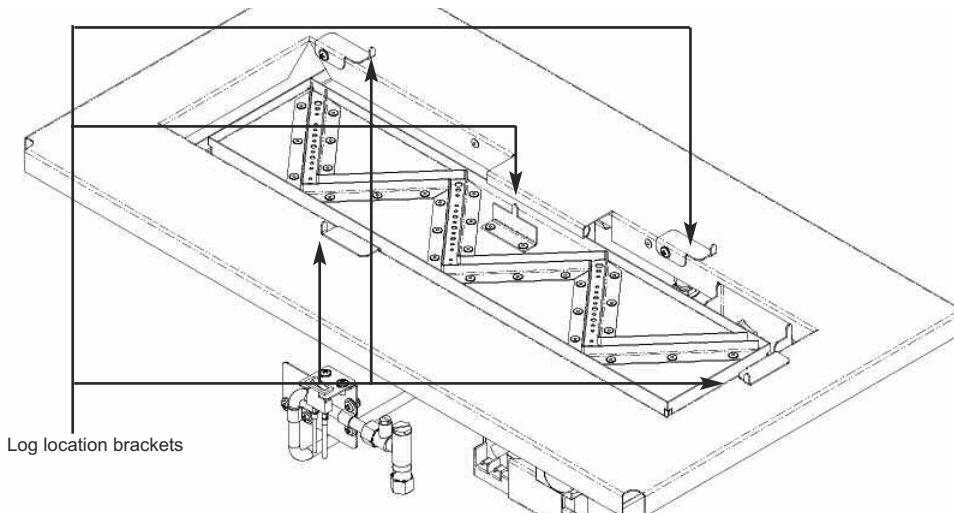
3.1.1 Fit the vermiculite in an even layer across the burner unit, **including** covering all of the flame ports as shown below in figure 21.

Fig. 21



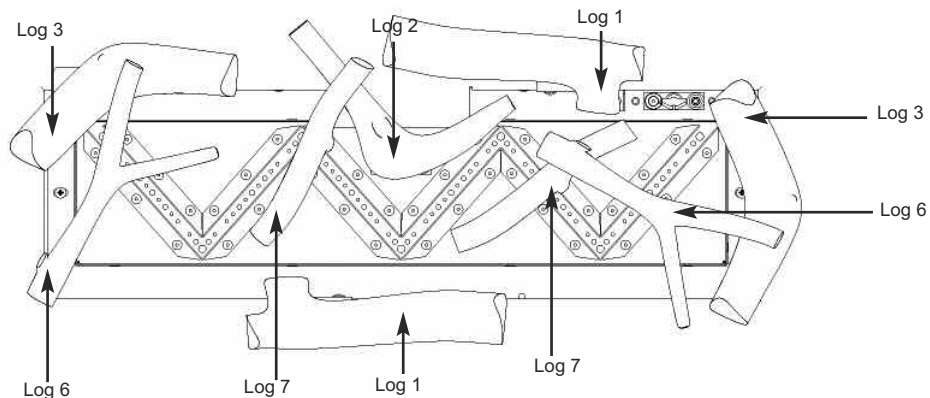
3.1.2 Identify the log retaining brackets as shown below in figure 22.

Fig. 22



3.2.3 Position the logs as shown in the layout below in figure 23, ensuring that the logs are correctly positioned on the location pegs. If required, fit the optional Embaglow material over the flame ports. To do this, separate into short strands and place randomly over the flame porting area. Please now read ceramic log set advice notes on page 22, section 3.3 and check the restrictor position as detailed on page 22 in section 3.4

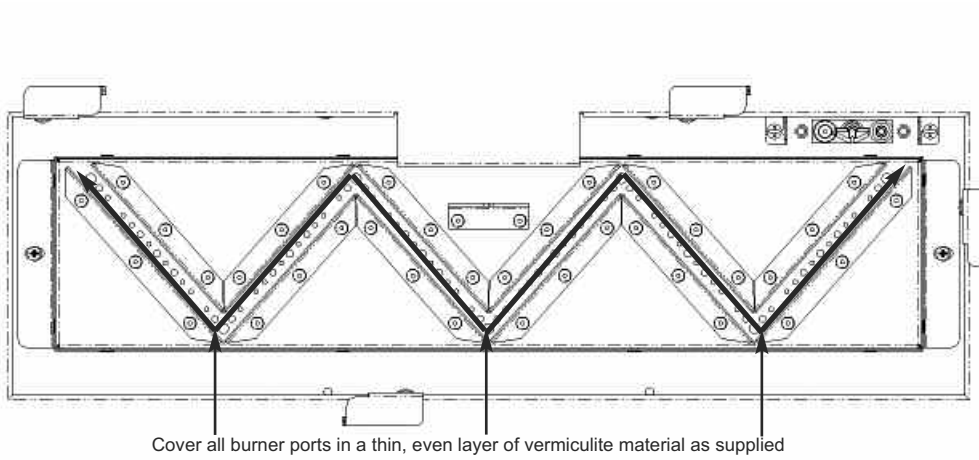
Fig. 23



3.2 FITTING THE FUEL-BED PEBBLES - ALL MODELS

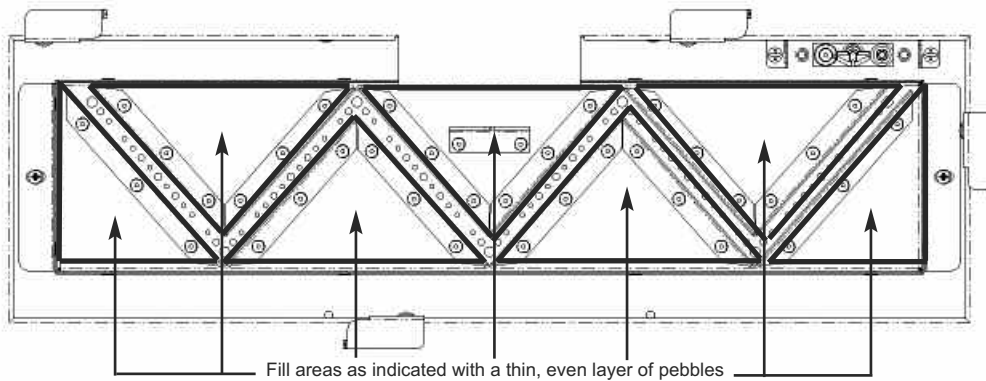
3.2.1 Fit a thin even layer of vermiculite into the burner flame ports as shown below in figure 24.

Fig. 24



3.2.2 Fill the area either side of the burner ports with a thin even layer of pebbles as indicated below in figure 25.

Fig. 25



3.3.3 Please now check the restrictor position as detailed on page 22 in section 3.4

3.3.4 If required, fit the optional Embaglow material over the flame ports. To do this, separate into short strands and place randomly over the flame porting area.

3.3 CERAMIC LOG SET ADVICE.

Use only the logs supplied with the fire. When replacing the logs remove the old logs and discard them. Fit a complete set of logs of the correct type. Do not fit additional logs or any logs other than a genuine replacement set.

To ensure that the release of fibres from these R.C.F (Refractory Ceramic Fibre) articles is kept to a minimum, during installation and servicing we recommend that you use a HEPA filtered vacuum to remove any dust accumulated in and around the appliance before and after working on the appliance. When replacing these articles we recommend that the replaced items are not broken up, but are sealed within heavy duty polythene bags, clearly labelled as "RCF waste". RCF waste is classed as a "stable", non reactive hazardous waste and may be disposed of at a landfill licensed to accept such waste. Protective clothing is not required when handling these articles, but we recommend you follow the normal hygiene rules of not smoking, eating or drinking in the work area, and always wash your hands before eating or drinking.

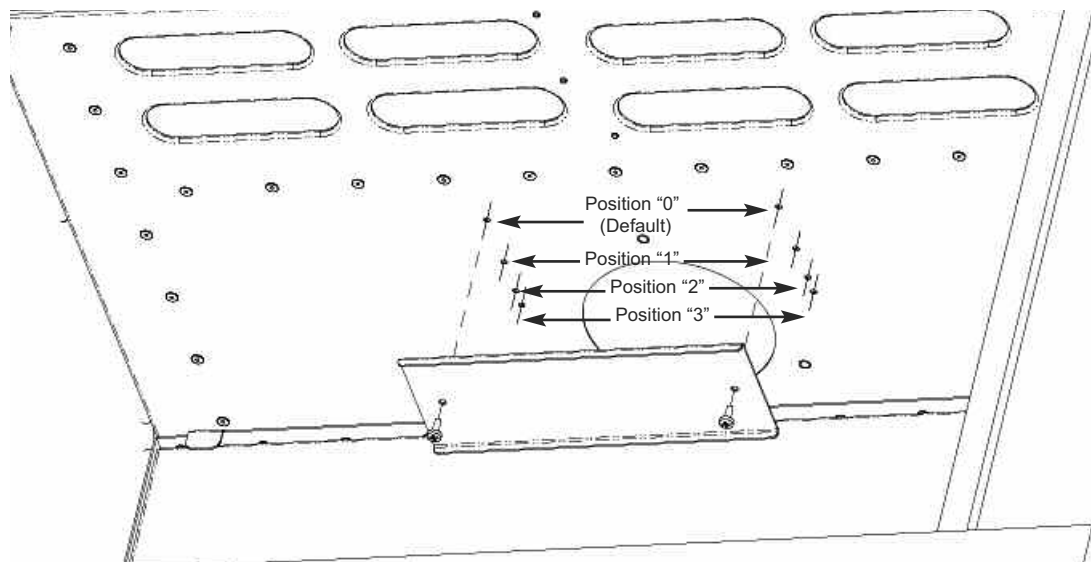
THIS APPLIANCE DOES NOT CONTAIN ANY COMPONENT MANUFACTURED FROM ASBESTOS OR ASBESTOS RELATED PRODUCTS.

3.4 POSITIONING THE RESTRICTOR PLATES

- 3.4.1 For horizontal balanced flue models, leave the restrictor plate in position "0" as shown below in figure 26 (position "0" is the default position for the restrictor as fitted at the factory).
- 3.4.2 For vertically balanced flue models with flue heights up to 5 metres, fit the restrictor plate in position "1" as shown below in figure 26.
- 3.4.3 For vertically balanced flue models with flue heights between 5 metres & 9 metres, fit the restrictor plate in position "2" as shown below in figure 26.
- 3.4.4 For vertically balanced flue models with flue heights over 9 metres, fit the restrictor plate in position "3" as shown below in figure 26.
- 3.4.5 Re-fit the glass panels to the products in reverse order to as described in section 2.10

NOTE : FAILURE TO ENSURE THE RESTRICTORS ARE FITTED IN THE CORRECT POSITION WILL EFFECT PERFORMANCE OF THE PRODUCT.

Fig. 26



3.5 MAKING THE GAS CONNECTION & CHECKING FOR GAS TIGHTNESS

- 3.5.1 Before making the final gas connection, thoroughly purge the gas supply pipework to remove all foreign matter, otherwise serious damage may be caused to the gas control valve on the fire.

NOTE : FAILURE TO PURGE THE GAS SUPPLY WILL INVALIDATE THE GUARANTEE.

- 3.5.2 The gas connection should be made to the appliance inlet elbow to using 8mm rigid tubing.

- 3.5.3 Remove the pressure test point screw from the inlet elbow and fit a manometer.
- 3.5.4 Turn on the main gas supply and carry out a gas tightness test.
- 3.5.5 Check that the working gas pressure is **20.0 mbar (+/- 1.0mbar) 8.0 in w.g.(+/- 0.4 in w.g.)**
- 3.5.6 Turn off the fire, remove the manometer and refit the pressure test point screw. Check the pressure test point screw for gas tightness with the appliance turned on using a suitable leak detection fluid or detector.

3.6 MAKING THE ELECTRICAL CONNECTION

WARNING : THIS APPLIANCE MUST BE EARTHED AND SHOULD BE PREFERABLY CONNECTED VIA A 3 AMP FIXED FUSED SPUR WITH A MINIMUM CONTACT SEPARATION OF 3MM. IT MAY HOWEVER BE CONNECTED TO A 3 PIN PLUG TO BS 5733, THAT IS FITTED WITH A 3 AMP FUSE TO BS 1362. **ALL ELECTRICAL WORK MUST BE CARRIED OUT BY A COMPETENT, QUALIFIED ELECTRICIAN.**

- 3.6.1 The product is supplied with a mains cable and 3 pin plug fitted.
- 3.6.2 Plug the mains cable supplied into a suitable socket in close proximity to the appliance or remove the plug and wire into a fixed fused spur as detailed above.

3.7 LIGHTING THE APPLIANCE

IMPORTANT : IF THE BURNER IS EXTINGUISHED FOR ANY REASON YOU MUST ENSURE THAT YOU WAIT A FULL FIVE MINUTES BEFORE ATTEMPTING TO RE-LIGHT THE FIRE.

The product is controlled by the remote handset supplied with the fire. Ensure the 3 off AAA batteries as supplied in the loose items pack has been fitted to the remote handset before attempting to use the handset and the mains electrical connection has been made to the product as per section 3.6.

There are 5 modes of operation of the product, "MANUAL mode", "TEMPERATURE mode", "TIMER mode", "LIGHTING / DIMMER" mode and "CIRCULATING FAN" mode.

3.7.1 Operation of the Fire in "MANUAL" mode

- 3.7.1.1 Locate the ON/OFF switch on the appliance, it is situated below the convection air grill adjacent to the gas inlet elbow. Ensure that the on / off switch on the valve is in the "ON" (1) position as shown below in figure 27.

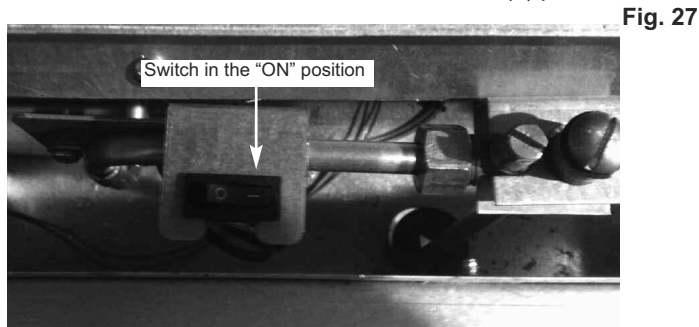
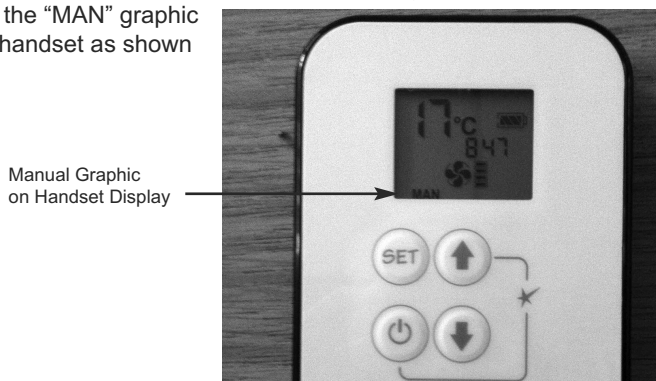


Fig. 27

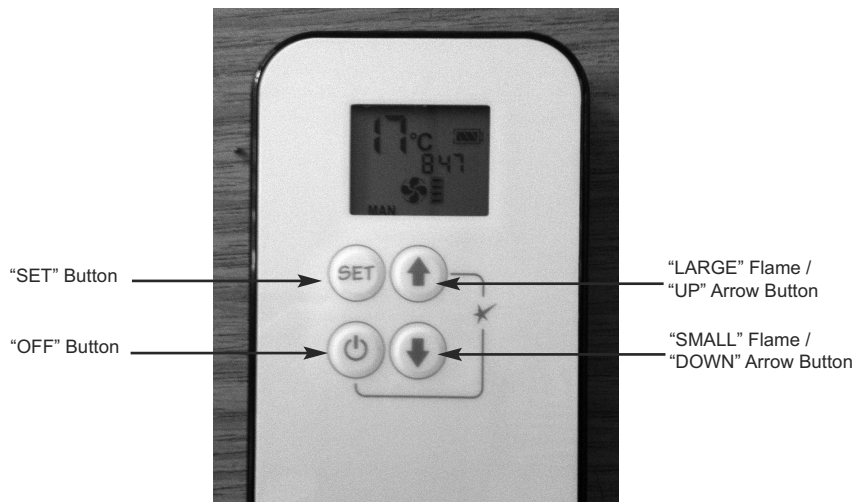
- 3.8.1.2 The remote handset is now used to control all functions of the fire. To light the fire, press the "UP" arrow and "OFF" button simultaneously as shown on figure 28 below. You will hear a click and the fire begins a 30 second ignition process. The pilot and main burner will light. The appliance is now in "MANUAL mode" which will be shown via the "MAN" graphic on the display of the handset as shown below in figure 28.

Fig. 28



- 3.8.1.3 With the product in “MANUAL” mode the fire can now be switched between HIGH rate heat input and LOW rate heat input by pressing the “DOWN” arrow on the handset. To reduce the flame height of the main burner incrementally, press the arrow momentarily. To reduce the heat input directly down to the minimum level, press the “SMALL” flame arrow on the handset twice, “LO” will be displayed. NOTE : The flame will go to HIGH rate heat input before going to designated LOW rate heat input. To return back to HIGH rate heat input press the “LARGE” flame button twice. To put the fire in In “STANDBY MODE” (only the pilot remains lit) press and hold the “SMALL” flame arrow on the handset. See figure 28 below.

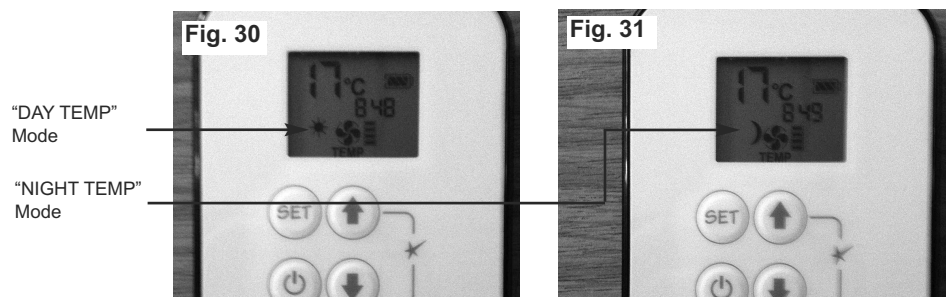
Fig. 29



- 3.8.1.4 To turn the fire off, press the “OFF” button, this will extinguish all flames including the pilot.

3.8.2 Operation of the Fire in “TEMPERATURE” mode

- 3.8.2.1 In order to change the mode of operation from “MANUAL” to “TEMPERATURE”, press the “SET” button, the fire will then change to either “DAY TEMP” (figure 30) mode or “NIGHT TEMP” mode (figure 31). To alternate between the 2, press the “SET” button. **The display on the handset will show the current temperature in the room.**



NOTE : The “SET” button allows you to alternate between all modes of operation :- “ MANUAL”, “DAY TEMP”, “NIGHT TEMP”, “TIMER”, “LIGHT / DIMMER” and “CIRCULATING FAN” then back to “MANUAL”. Alternatively, pressing either the “UP” or “DOWN” arrow allows the unit to revert to “MANUAL” mode. **Fire must be in standby mode (pilot must be lit) for temperature mode to be used.**

- 3.8.2.2 Within the “TEMPERATURE” mode there are options for either “DAY TEMP” or “NIGHT TEMP”. These temperatures can be set independently to allow a higher temperature to be maintained at night than during the day, or if setting the same temperature for day and night the fire will compensate for the generally cooler evening temperatures and automatically increase the heat input level accordingly.
- 3.8.2.3 To set the temperature, ensure the handset is in “TEMPERATURE” mode and then press the “SET” button until the “TEMP” display flashes then let go. Proceed to set the desired temperature by pressing the “UP” (large flame) or “DOWN” (small flame) arrows as necessary, then press “OFF” to complete the process. NOTE : Minimum temperature is 5°C, Maximum temperature is 30°C, or minimum 41F to maximum 86F when in Fahrenheit mode.
- 3.8.2.4 Press the “OFF” button to stop the display flashing or wait to return to “TEMPERATURE” mode. NOTE : If you set a temperature below the current room temperature the fire will switch to standby mode (pilot burner only) until the room has cooled to the temperature you have set on the handset display.
- 3.8.2.5 If you would like the “NIGHT TEMP” to turn the fire off then decrease the temperature until [----] is displayed.

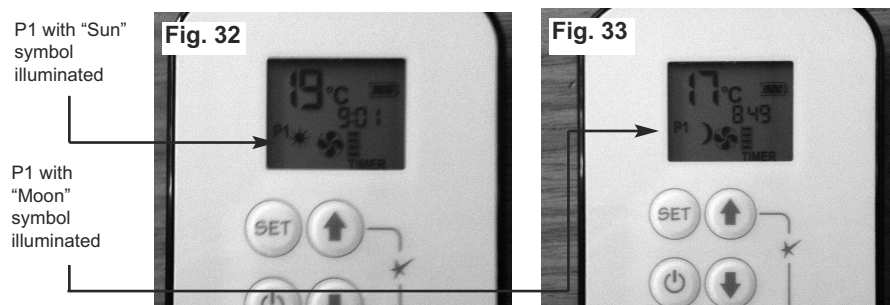
3.8.3 Operation of the Fire in "TIMER" mode

3.8.3.1 In order to change the mode of operation from "MANUAL" to "TIMER", press the "SET" button, the fire will then alternate between the settings until the "TIMER" mode is displayed.

NOTE : The "SET" button allows you to alternate between all modes of operation :- "MANUAL", "DAY TEMP", "NIGHT TEMP", "TIMER" and back to "MANUAL". Alternatively, pressing either the "UP" or "DOWN" arrow allows the unit to revert to "MANUAL" mode. **Fire must be in standby mode (pilot must be lit) for temperature mode to be used.**

3.8.3.2 Within the "TIMER" setting mode there are two programmable settings you can make over a 24 hour period, namely P1 and P2. To set the timer, ensure the handset is in "TIMER" mode as detailed in section 3.7.3.1 above.

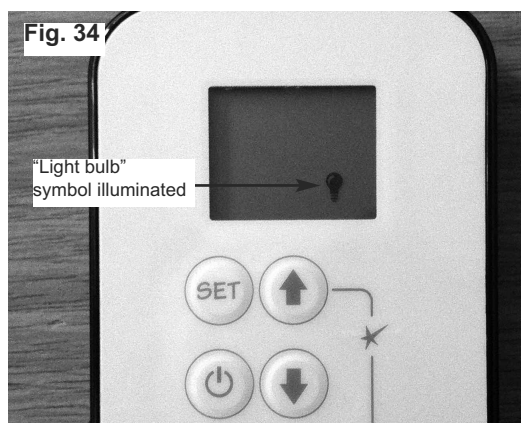
3.8.3.3 To set the P1 timed start setting, press and hold the "SET" button until the P1 (sun symbol is displayed as per figure 59 below) and the time flashes. Set the hour by pressing the "UP" (large flame) and set the minutes (in ten minute increments) by pressing the "DOWN" (small flame) as necessary, then press "OFF" button to complete the process. Repeat for the P1 (moon symbol is displayed as per figure below) Set the hour by pressing the "UP" (large flame) and set the minutes (in ten minute increments) by pressing the "DOWN" (small flame) as necessary, then press "OFF" button to complete the process.



3.8.3.4 To set the P2 timed setting, press the "SET" button until the "TIMER" mode is displayed. Hold the "SET" button until the display flashes the current time for P1. Press the "SET" button again to scroll past the setting for P1 (sun) and P1 (moon). The time should now be flashing on the handset. Set the hour by pressing the "UP" (large flame) and set the minutes (in ten minute increments) by pressing the "DOWN" (small flame) as necessary, then press "OFF" button to complete the process.

3.8.4 Operation of the Fire in "LIGHT / DIMMER" mode

3.8.4.1 In order to change the mode of operation from "MANUAL" to "LIGHT / DIMMER", briefly press the "SET" button to scroll through to the light bulb mode as shown below in figure 34.



3.8.4.2 Press and hold the "LARGE" flame button to turn on the light or increase brightness.

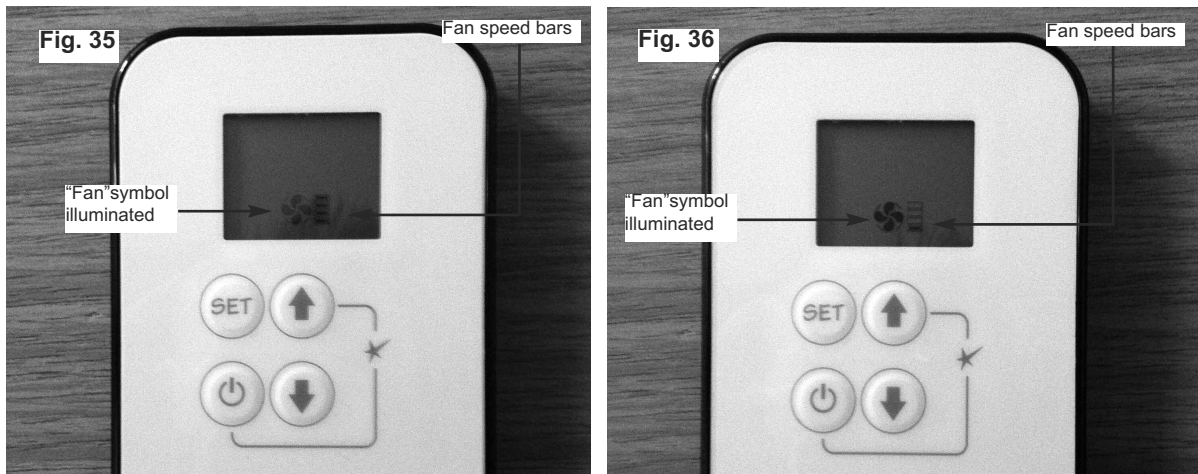
3.8.4.3 Press and hold the "SMALL" flame button to decrease the brightness.

3.8.4.4 In the light / dimmer mode the "OFF" button shuts off the light, if you want the light on but no flame, press and hold the "SMALL" flame button and turn to pilot flame.

NOTE : The light bulb is displayed during light / dimmer setting only. 8 seconds after the light/dimmer has been set, the handset will automatically go into manual mode.

3.8.5 Operation of the Fire in “CIRCULATING FAN” mode

3.8.5.1 In order to change the mode of operation from “MANUAL” to “CIRCULATING FAN”, briefly press the “SET” button to scroll through to the circulating fan mode as shown below in figure 35 / 36, both fan and level icons will flash.



3.8.5.2 Press and hold the “LARGE” flame button to turn on the fan and increase fan speed.

3.8.5.3 Press and hold the “SMALL” flame button to decrease the fan speed, see figure 35 / 36 for fan speed bar indicator (4 bars illuminated = maximum fan speed, 1 bar illuminated = minimum fan speed).

3.8.5.4 To turn the fan off press and hold the “SMALL” flame button until all 4 speed level bars disappear.

NOTE : 8 seconds after the light/dimmer has been set, the handset will automatically go into manual mode. The fan starts 4 minutes after the gas supply opens (from OFF or from pilot) at maximum speed and goes to the displayed level after 10 seconds. The fan stops 10 minutes after the gas is off or a pilot only (standby mode). **IT IS RECOMMENDED FOR MOST EFFICIENT PERFORMANCE OF THE PRODUCT THE FAN MODE IS SET TO THE MAXIMUM (ALL FOUR SPEED BARS) POSITION.**

3.8.6 Low Battery Signal

3.8.6.1 When the battery in the handset needs replacing, “BATT” will be displayed on the handset.

3.8.6.2 Remove the cover on the rear of the handset and replace the 3 off AAA batteries as necessary.

3.8.7 To Set the Time on the Remote Handset

3.8.7.1 Simultaneously press the “UP” (large flame) arrow and “DOWN” (small flame) arrow buttons on the remote handset.

3.8.7.2 Press the “UP” (large flame) arrow to set the hour and the “DOWN” (small flame) arrow to set the minutes.

3.8.8 To Set the °C / 24 Hour or °F / 12 Hour Clock

3.8.8.1 Press and hold the “OFF” and the “DOWN” (small flame) arrow buttons on the handset simultaneously until the display changes from °C to °F and vice versa.

3.9 FITTING THE HANDSET WALL BRACKET / DIMMER LIGHT BULBS

3.9.1 The wall bracket is supplied in the loose items pack and is optional to fit.

3.9.2 If fitting the wall bracket, **please be advised that the thermostatic sensor is contained within the handset itself, so the position of the wall bracket will therefore be the position of temperature measurement within the room.** To fit, position as necessary, mark hole positions, drill and secure with fixings provided.

3.9.3 Fit the bulbs as supplied in the loose items pack (2 off) (see section 4.9 for diagram).

3.10 INSTRUCTING THE USER / PRODUCT HANDOVER

3.10.1 Instruct the user on the operation of the fire and the handset.

3.10.2 Hand the glass clamp over and advise the customer to store it in a safe place.

SECTION 4 - MAINTENANCE

Servicing Notes

Servicing should be carried out annually by a competent person such as a GAS SAFE registered engineer. It is a condition of BFM Fires lifetime guarantee scheme that this is carried out by a competent person in accordance with these servicing notes, and must include a pilot change. The condition of the logs or pebbles should be checked and if necessary the whole set should be replaced with a genuine replacement set. After any servicing work a gas tightness check must always be carried out. BEFORE ANY SERVICING WORK IS CARRIED OUT ENSURE THE PRODUCT HAS BEEN DISCONNECTED FROM THE ELECTRICITY SUPPLY. ALL ELECTRICAL REPAIR WORK MUST BE CARRIED OUT BY A COMPETENT, QUALIFIED ELECTRICIAN.

4.1 REMOVING & REPLACING THE BURNER ASSEMBLY FROM THE FIRE.

- 4.1.1 Disconnect or isolate the electricity supply to the product.
- 4.1.2 Attach the glass panel clamp as shown in section 2.10, then remove the convection grills and glass panel as also described in section 2.10
- 4.1.3 Remove the logs and vermiculite from the burner tray.
- 4.1.4 Remove the burner tray cover by simply lifting clear.
- 4.1.5 Disconnect the main burner injector supply pipe, remove the 2 off retaining screws, the burner can now be lifted clear.
- 4.1.6 Re-assemble in reverse order and carry out a gas tightness test.

4.2 REMOVING & REPLACING BURNER / GAS CONTROLS MOUNTING PLATE ASSEMBLY.

- 4.2.1 Disconnect or isolate the gas and electricity supply to the product.
- 4.2.2 Disconnect inlet pipe at elbow under convection grill.
- 4.2.3 Remove the 10 off controls mounting plate assembly retaining screws.
- 4.2.4 Lift the controls mounting plate assembly clear, tilting forward to clear inlet pipe, unplug V module cable as assembly is removed.
- 4.2.5 Re-assemble in reverse order and carry out a gas tightness test.

4.3 REMOVING & REPLACING THE GAS CONTROL VALVE

- 4.3.1 Disconnect or isolate the electricity & gas supply to the product.
- 4.3.2 Remove the burner / controls mounting plate assembly as described in section 4.2 above, remove 3 screws holding receiver bracket and lift clear.
- 4.3.3 Disconnect the thermocouple, main burner, pilot and inlet pipes from the gas control valve.
- 4.3.4 Remove the 2 off M5 x 25mm securing screws that secure the valve to the mounting bracket.
- 4.3.5 Re-assemble in reverse order and carry out a gas tightness test.

4.4 REMOVING & REPLACING THE CONTROL BOARD / RECEIVER UNIT

- 4.4.1 Disconnect or isolate the electricity and gas supply to the product.
- 4.4.2 Remove the burner / controls mounting plate assembly as described in section 4.2 above, remove receiver retaining bracket that is held in position by 2 screws.
- 4.4.3 Slide the control board / receiver unit from its mounting bracket.
- 4.4.4 Disconnect the thermocouple interrupter wires & wiring loom from the control board / receiver unit.
- 4.4.5 Replace in reverse order and carry out a gas tightness test.
- 4.4.6 Pair the replacement control board with the remote handset as detailed in section 4.8

4.5 REMOVING & REPLACING THE PILOT

- 4.5.1 Disconnect or isolate the electricity & gas supply to the product.
- 4.5.2 Remove the burner / controls mounting plate assembly as described in section 4.2 on the previous page.
- 4.5.3 Disconnect the pilot gas supply pipe, ignition wire to the electrode and thermocouple connection at the rear of the gas valve, then remove the 2 off M4 x 8mm retaining screws.
- 4.5.4 Replace the pilot assembly, re-assemble in reverse order and carry out a gas tightness test.

4.6 REMOVING AND REPLACING THE MAIN BURNER INJECTOR

- 4.6.1 Disconnect or isolate the electricity & gas supply to the product.
- 4.6.2 Disconnect and remove the injector supply pipe then unscrew the injector from the aeration box.
- 4.6.3 Unscrew the injector from the injector carrier.
- 4.6.4 Replace the injector, re-assemble in reverse order and carry out a gas tightness test.

4.7 REMOVING AND REPLACING THE POWER MODULE

- 4.7.1 Disconnect or isolate the electricity & gas supply to the product.
- 4.7.2 Remove the burner / controls mounting plate assembly as described in section 4.2.
- 4.7.3 The power module is located on the fan plate assembly in the base of the fire, remove the power module cover which is retained by 2 self tapping screws.
- 4.7.4 Disconnect the fan supply wires, lighting wires and mains cable supply wires to the power module, remove the 2 off M4 x 10mm black screws that retain the power module to the fan mounting plate and lift the power module clear.
- 4.7.5 Replace the fan module re-assemble in reverse order and carry out a gas tightness test.

4.8 REMOVING AND REPLACING THE CONVECTION FAN ASSEMBLY

- 4.8.1 Disconnect or isolate the electricity & gas supply to the product.
- 4.8.2 Remove the burner / controls mounting plate assembly as described in section 4.2, then remove 2 screws holding fan assembly to base and lift clear.
- 4.8.3 The convection fan cover should now be removed by unscrewing the 2 off self tapping screws.
- 4.8.4 Disconnect the wiring from the fan motor then remove the 4 off self tapping screws that secure the convection fan to the fan plate.
- 4.8.5 Replace the convection fan, re-assemble in reverse order and carry out a gas tightness test.

4.9 REMOVING AND REPLACING THE DIMMER LIGHT BULBS.

4.9.1 Disconnect or isolate the electricity supply to the product.

4.9.2 Remove the bulbs as indicated below in figure 37, located on the underside of the chassis of the product.

4.9.3 Replace the bulb, BFM Europe recommend the use of genuine replacement bulbs (part number B-149660), however should you choose to use an alternative to a genuine part please ensure that bulbs of the correct rating are used (G9 Halogen lamp 25W, 230V)

Fig. 37

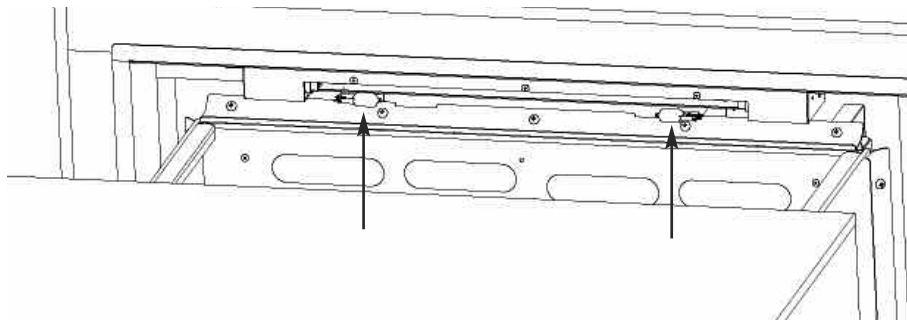
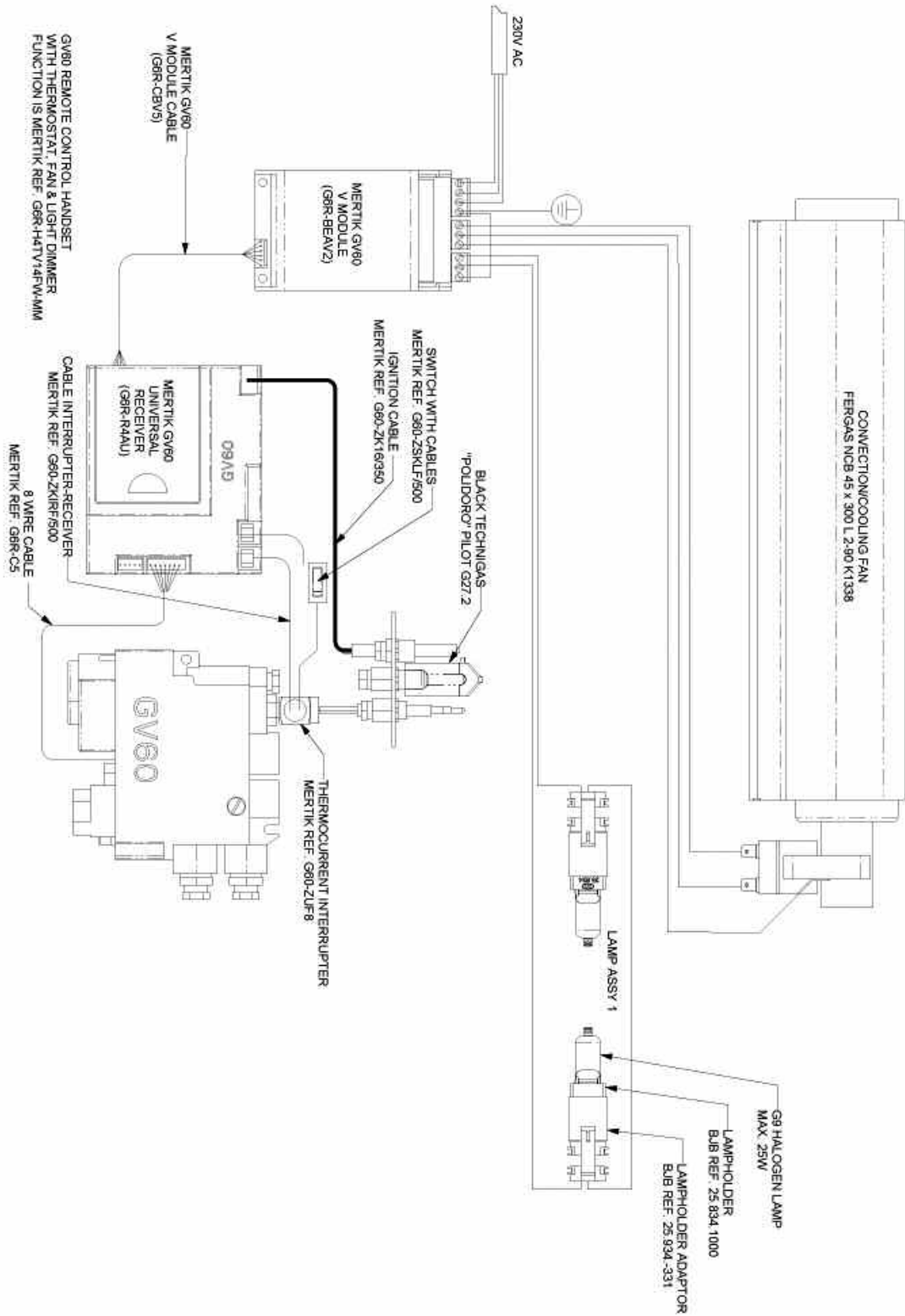


Fig. 37

IMPORTANT : ALL ELECTRICAL WORK MUST BE CARRIED OUT BY A COMPETENT, QUALIFIED ELECTRICIAN.



4.11 SPARE PARTS LIST

B-92200	GV60 Gas control valve
B-93300	GV60 Thermocouple Interrupter
B-153140	GV60 Receiver unit
B-153160	GV60 Control module
B-153150	GV60 Remote control thermostatic handset
B-153720	GV60 8 wire cable
B-153170	GV60 V module control cable
CV-104931	GV60 On/off switch with cables
CV-104934	Ignition cable
CV-104433	Thermocouple
CV-103160	Electrode
CV-104530	Pilot burner
CV-102205	Pilot gasket
CV-104903	Main burner injector carrier
CV-104621	Main burner injector 2.55mm
CV-7052-34	Injector carriage gasket
B-153080	2 metre mains cable
B-128120	Convection fan
B-152930	Wiring loom - GV60 control module to convection fan
B-150100	Front glass panel
B-150110	Side glass panel
B-169360	Complete log set
B-128250	Log "1" only (quantity x 2 per set)
B-128260	Log "2" only (quantity x 1 per set)
B-128270	Log "3" only (quantity x 2 per set)
B-128300	Log "6" only (quantity x 2 per set)
B-128310	Log "7" only (quantity x 2 per set)
B-120070	Bag of "Embaglow" (quantity x 2 per set)
CV-107116	Bag of vermiculite (quantity x 2 per set)
B-128320	Pebble set
B-149660	Replacement bulb (G9 Halogen lamp, 25W, 230V)

SECTION FIVE - USER INSTRUCTIONS

5.1 INSTALLATION INFORMATION

CONDITIONS OF INSTALLATION

It is the law that all gas appliances are installed only by a competent (e.g. GAS SAFE Registered) Installer, in accordance with the installation instructions and the Gas Safety (Installation and Use) Regulations 1998. Failure to install appliances correctly could lead to prosecution. It is in your own interest and that of safety to comply with the law.

This appliance is a room sealed appliance so no purpose made additional ventilation is required for this appliance when installed in G.B. regardless of the flue configuration employed. When installed in I.E. please consult document I.S. 813 : 1996 Domestic Gas Installation which is issued by the National Standards Authority of Ireland. Any purpose made ventilation should be checked periodically to ensure that it is free from obstruction.

If this appliance is fitted directly on to a wall without the use of a BFM Europe supplied false chimney breast kit, soft wall coverings such as wallpaper, blown vinyl etc. could be affected by the heat and hot convection air and may discolour or scorch. This should be considered when installing or decorating.

The Model number of this appliance is as stated on the rating plate affixed to the plate by the gas inlet elbow of the fire and the appliance is manufactured by:-

BFM Europe Ltd
Trentham Lakes
Stoke on Trent
ST4 4TJ

5.2 ABOUT YOUR NEW LUXE GAS FIRE

The Collection "Luxe" log effect gas fire incorporates a unique and highly developed fuel bed which gives the realism of a loose log layout combined with realistic flames and glow. The use of durable ceramic material in the construction of the fuelbed components ensures long and trouble free operation.

Please take the time to fully read these instructions as you will then be able to obtain the most effective and safe operation of your fire.

IMPORTANT SAFETY INFORMATION

WARNING

This appliance is a heating appliance and as with all heating appliances a fireguard should be used for the protection of children, the elderly and infirm. Fireguards should conform to B.S. 8423 : 2002 (Fireguards for use with gas heating appliances).

It is important that this appliance is serviced at least once a year by a GAS SAFE registered engineer. We recommend that during the annual service, replacement of the pilot is carried out. **This is a condition of the manufacturers guarantee.** Any debris or deposits should be removed from the fuel bed from time to time. This may be carried out by referring to the cleaning section as described later in this book. Only the correct number and type of logs must be used and only complete and genuine replacement sets must be used. Always keep furniture and combustible materials well clear of the fire and never dry clothing or items either on or near to the fire. Never use aerosols or flammable cleaning products near to the fire when it is in use.

The ceramic fuel bed remains hot for a considerable period after use and sufficient time should be allowed for the fire to cool before cleaning etc.

IMPORTANT : DO NOT UNDER ANY CIRCUMSTANCES USE THIS FIRE IF THE GLASS PANEL IS BROKEN, CRACKED OR MISSING.

IMPORTANT : DUE TO THE HIGH LEVEL OF HEAT PRODUCED BY THIS PRODUCT WE RECOMMEND THAT PLASMA / LCD TELEVISIONS ARE NOT PLACED IN CLOSE PROXIMITY TO THIS PRODUCT.

IMPORTANT : THIS APPLIANCE IS NOT INTENDED FOR USE BY PERSONS (INCLUDING CHILDREN) WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE, UNLESS THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING THE USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY. CHILDREN SHOULD BE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH THE APPLIANCE. ANY ELECTRICAL WORK MUST BE CARRIED OUT BY A COMPETENT, QUALIFIED ELECTRICIAN.

5.3 LIGHTING THE FIRE / USER CONTROLS

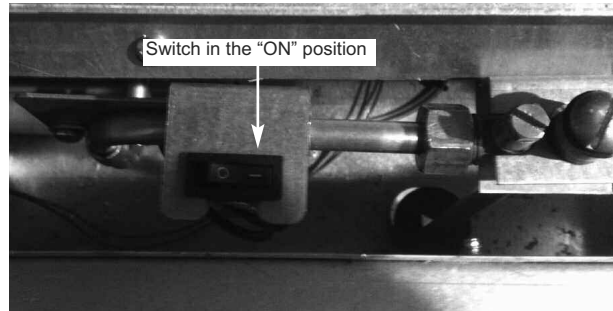
IMPORTANT : IF THE BURNER IS EXTINGUISHED FOR ANY REASON YOU MUST ENSURE THAT YOU WAIT A FULL FIVE MINUTES BEFORE ATTEMPTING TO RE-LIGHT THE FIRE.

The product is controlled by the remote handset supplied with the fire. Ensure the 3 off AAA batteries as supplied in the loose items pack has been fitted to the remote handset before attempting to use the handset. There are 5 modes of operation of the product, "MANUAL mode", "TEMPERATURE mode", "TIMER mode", "LIGHTING / DIMMER" mode and "CIRCULATING FAN" mode.

5.3.1 Operation of the Fire in "MANUAL" mode

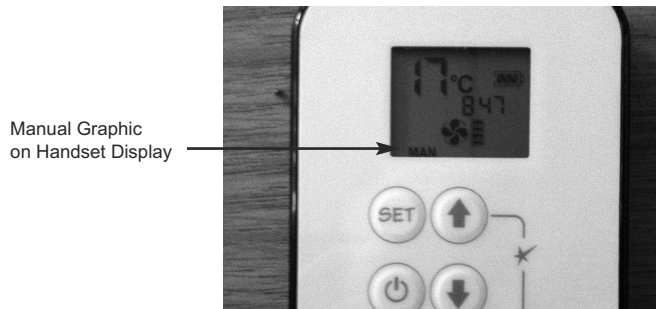
5.3.1.1 Locate the ON/OFF switch on the appliance, it is situated below the convection air grill adjacent to the gas inlet elbow. Ensure that the on / off switch on the valve is in the "ON" (1) position as shown below in figure 1.

Fig. 1



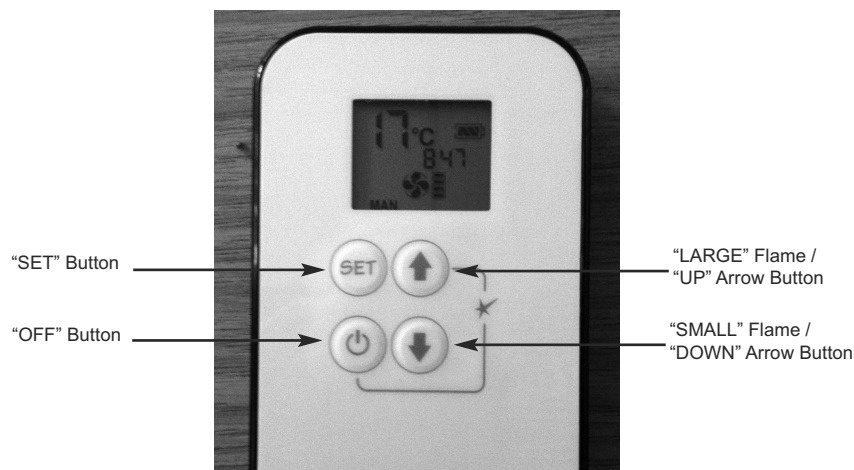
5.3.1.2 The remote handset is now used to control all functions of the fire. To light the fire, press the "UP" arrow and "OFF" button simultaneously as shown on figure 28 below. You will hear a click and the fire begins a 30 second ignition process. The pilot and main burner will light. The appliance is now in "MANUAL mode" which will be shown via the "MAN" graphic on the display of the handset as shown below in figure 2.

Fig. 2



5.3.1.3 With the product in "MANUAL" mode the fire can now be switched between HIGH rate heat input and LOW rate heat input by pressing the "DOWN" arrow on the handset. To reduce the flame height of the main burner incrementally, press the arrow momentarily. To reduce the heat input directly down to the minimum level, press the "SMALL" flame arrow on the handset twice, "LO" will be displayed. NOTE : The flame will go to HIGH rate heat input before going to designated LOW rate heat input. To return back to HIGH rate heat input press the "LARGE" flame button twice. To put the fire in In "STANDBY MODE" (only the pilot remains lit) press and hold the "SMALL" flame arrow on the handset. See figure 3 below.

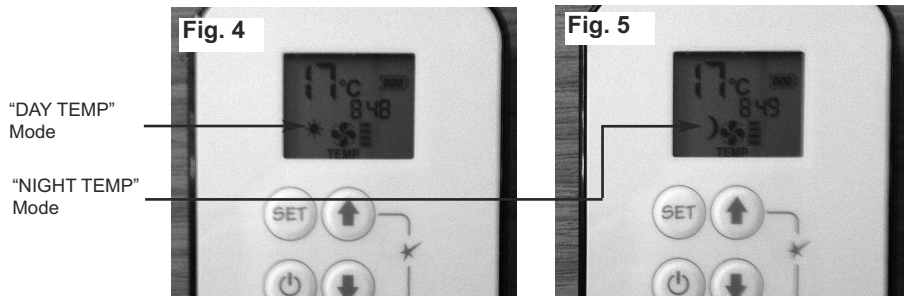
Fig. 3



5.3.1.4 To turn the fire off, press the "OFF" button, this will extinguish all flames including the pilot.

5.3.2 Operation of the Fire in “TEMPERATURE” mode

5.3.2.1 In order to change the mode of operation from “MANUAL” to “TEMPERATURE”, press the “SET” button, the fire will then change to either “DAY TEMP” (figure 4) mode or “NIGHT TEMP” mode (figure 5). To alternate between the 2, press the “SET” button. **The display on the handset will show the current temperature in the room.**



NOTE : The “SET” button allows you to alternate between all modes of operation :- “MANUAL”, “DAY TEMP”, “NIGHT TEMP”, “TIMER”, “LIGHT / DIMMER” and “CIRCULATING FAN” then back to “MANUAL”. Alternatively, pressing either the “UP” or “DOWN” arrow allows the unit to revert to “MANUAL” mode. **Fire must be in standby mode (pilot must be lit) for temperature mode to be used.**

5.3.2.2 Within the “TEMPERATURE” mode there are options for either “DAY TEMP” or “NIGHT TEMP”. These temperatures can be set independently to allow a higher temperature to be maintained at night than during the day, or if setting the same temperature for day and night the fire will compensate for the generally cooler evening temperatures and automatically increase the heat input level accordingly.

5.3.2.3 To set the temperature, ensure the handset is in “TEMPERATURE” mode and then press the “SET” button until the “TEMP” display flashes then let go. Proceed to set the desired temperature by pressing the “UP” (large flame) or “DOWN” (small flame) arrows as necessary, then press “OFF” to complete the process.
NOTE : Minimum temperature is 5°C, Maximum temperature is 30°C, or minimum 41F to maximum 86F when in Fahrenheit mode.

5.3.2.4 Press the “OFF” button to stop the display flashing or wait to return to “TEMPERATURE” mode. **NOTE :** If you set a temperature below the current room temperature the fire will switch to standby mode (pilot burner only) until the room has cooled to the temperature you have set on the handset display.

5.3.2.5 If you would like the “NIGHT TEMP” to turn the fire off then decrease the temperature until [----] is displayed.

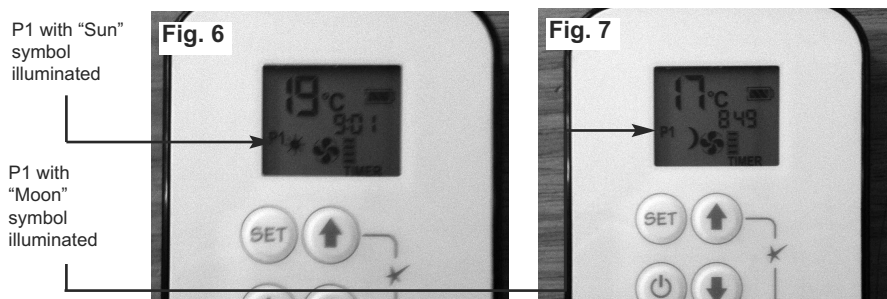
5.3.3 Operation of the Fire in “TIMER” mode

5.3.3.1 In order to change the mode of operation from “MANUAL” to “TIMER”, press the “SET” button, the fire will then alternate between the settings until the “TIMER” mode is displayed.

NOTE : The “SET” button allows you to alternate between all modes of operation :- “MANUAL”, “DAY TEMP”, “NIGHT TEMP”, “TIMER” and back to “MANUAL”. Alternatively, pressing either the “UP” or “DOWN” arrow allows the unit to revert to “MANUAL” mode. **Fire must be in standby mode (pilot must be lit) for temperature mode to be used.**

5.3.3.2 Within the “TIMER” setting mode there are two programmable settings you can make over a 24 hour period, namely P1 and P2. To set the timer, ensure the handset is in “TIMER” mode as detailed in section 5.3.3.1 above.

5.3.3.3 To set the P1 timed start setting, press and hold the “SET” button until the P1 (sun symbol is displayed as per figure 6 below) and the time flashes. Set the hour by pressing the “UP” (large flame) and set the minutes (in ten minute increments) by pressing the “DOWN” (small flame) as necessary, then press “OFF” button to complete the process. Repeat for the P2 (moon symbol is displayed as per figure below) Set the hour by pressing the “UP” (large flame) and set the minutes (in ten minute increments) by pressing the “DOWN” (small flame) as necessary, then press “OFF” button to complete the process.



5.3.4 Operation of the Fire in “LIGHT / DIMMER” mode

5.3.4.1 In order to change the mode of operation from “MANUAL” to “LIGHT / DIMMER”, briefly press the “SET” button to scroll through to the light bulb mode as shown below in figure 8.



5.3.4.2 Press and hold the “LARGE” flame button to turn on the light or increase brightness.

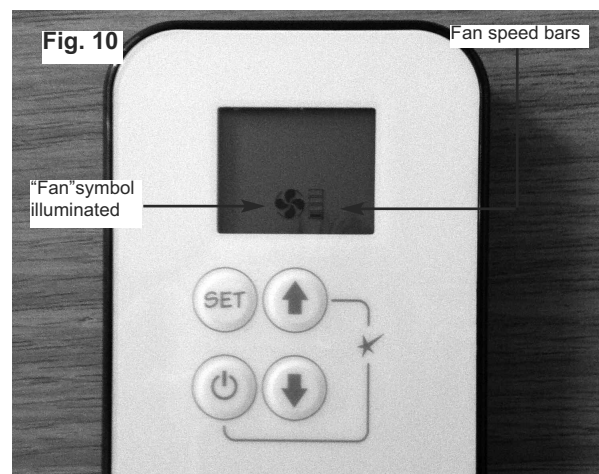
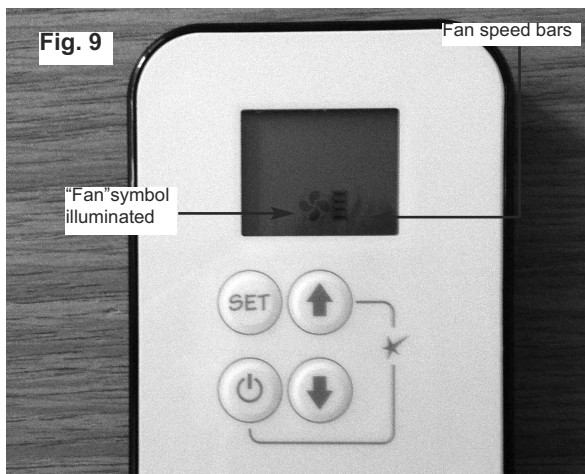
5.3.4.3 Press and hold the “SMALL” flame button to decrease the brightness.

5.3.4.4 In the light / dimmer mode the “OFF” button shuts off the light, if you want the light on but no flame, press and hold the “SMALL” flame button and turn to pilot flame.

NOTE : The light bulb is displayed during light / dimmer setting only. 8 seconds after the light/dimmer has been set, the handset will automatically go into manual mode.

5.3.5 Operation of the Fire in “CIRCULATING FAN” mode

5.3.5.1 In order to change the mode of operation from “MANUAL” to “CIRCULATING FAN”, briefly press the “SET” button to scroll through to the circulating fan mode as shown below in figure 9, both fan and level icons will flash.



5.3.5.2 Press and hold the “LARGE” flame button to turn on the fan and increase fan speed.

5.3.5.3 Press and hold the “SMALL” flame button to decrease the fan speed, see figure 9 / 10 for fan speed bar indicator (4 bars illuminated = maximum fan speed, 1 bar illuminated = minimum fan speed).

5.3.5.4 To turn the fan off press and hold the “SMALL” flame button until all 4 speed level bars disappear.

NOTE : 8 seconds after the light/dimmer has been set, the handset will automatically go into manual mode. The fan starts 4 minutes after the gas supply opens (from OFF or from pilot) at maximum speed and goes to the displayed level after 10 seconds. The fan stops 10 minutes after the gas is off or a pilot only (standby mode).

IT IS RECOMMENDED FOR MOST EFFICIENT PERFORMANCE OF THE PRODUCT THE FAN MODE IS SET TO THE MAXIMUM (ALL FOUR SPEED BARS) POSITION.

5.3.6 Low Battery Signal

5.3.6.1 When the battery in the handset needs replacing, "BATT" will be displayed on the handset.

5.3.6.2 Remove the cover on the rear of the handset and replace the 9V battery as necessary.

5.3.7 To Set the Time on the Remote Handset

5.3.7.1 Simultaneously press the "UP" (large flame) arrow and "DOWN" (small flame) arrow buttons on the remote handset.

5.3.7.2 Press the "UP" (large flame) arrow to set the hour and the "DOWN" (small flame) arrow to set the minutes.

5.3.8 To Set the °C / 24 Hour or °F / 12 Hour Clock

5.3.8.1 Press and hold the "OFF" and the "DOWN" (small flame) arrow buttons on the handset simultaneously until the display changes from °C to °F and vice versa.

5.4 CLEANING INSTRUCTIONS

Before attempting any cleaning operation ensure that the fire has been allowed to fully cool.

CLEANING THE ENAMELLED METAL PARTS

These enamelled parts should only be cleaned using a clean, damp cloth. **Abrasive cleaners, chemical cleaning agents or any type of polish must never be used as damage to the finish may result.**

CLEANING THE FUEL BED

We do not recommend cleaning of logs or fuelbed components as these are fragile and damage may result. **None of these parts must be washed or exposed to any cleaning agents or water.** Any damaged parts must be replaced by contacting your dealer or telephoning BFM Fires on the number stated on the rear cover of this book. Logs or pebbles must only be replaced with a complete and genuine replacement set and the fire must never be run with the wrong number or damaged logs or pebbles. The fuelbed must be carefully re-assembled as stated in the following section.

CLEANING THE GLASS PANEL

To clean the glass panel, please remove it from the product as described overpage. Use a clean damp cloth and ceramic glass cleaner to remove any stains or deposits from the glass panel. Do not use scouring pads as this may scratch the surface finish of the glass panel.

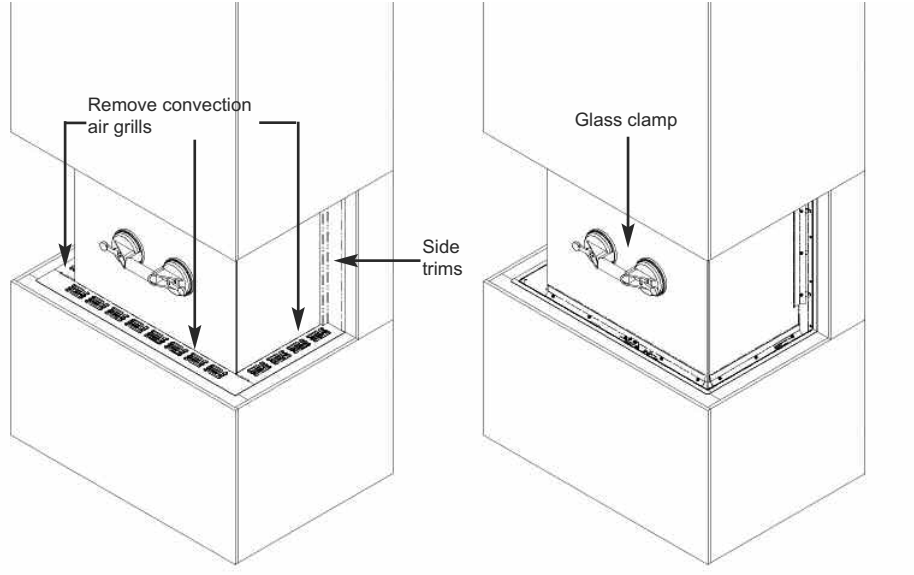
PLEASE NOTE :- The glass will require cleaning periodically. Condensation produced by the products of combustion will create marks on the inside face of the glass panel.

5.5 REMOVING / REPLACING THE GLASS PANELS (ALL MODELS)

5.5.1 The glass panels on all models can be removed using a similar principle, as shown below in figure 11, 12, 13 & 14.

5.5.2 Firstly secure the glass clamp to the front glass panel as indicated by the position of the clamp below, then remove the 3 off convection air grills and side trims from around the product by simply lifting clear as shown below in figure 11.

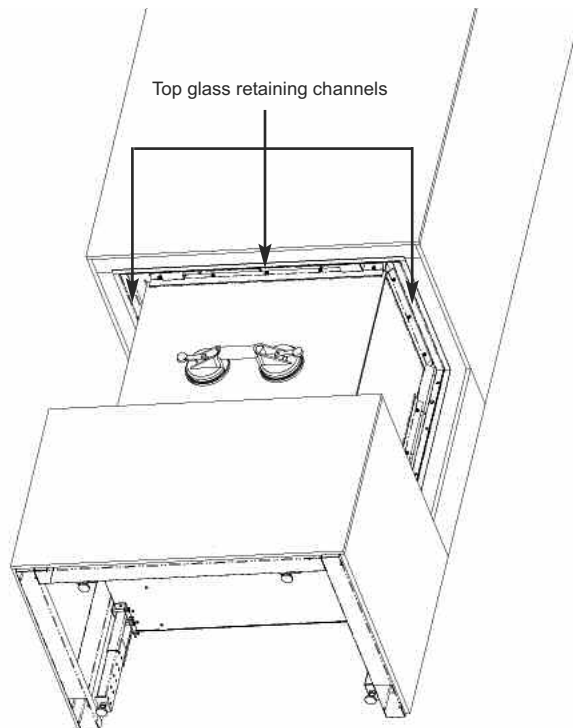
Fig. 11



5.5.3 Loosen the bottom glass retaining channels screws (DO NOT REMOVE THE CHANNELS AS THIS IS NOT NECESSARY).

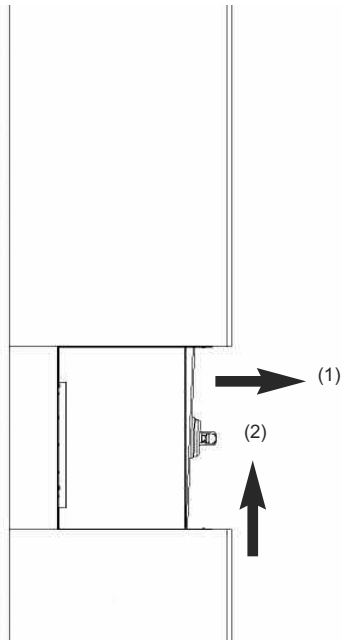
5.5.4 Remove the top glass retaining channels by removing the retaining screws as shown below in figure 12.

Fig. 12



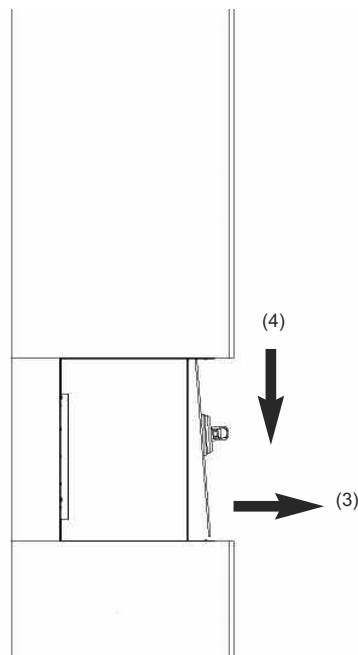
5.5.5 Tilt the glass panel a few degrees forwards (1) as shown below in figure 13, then lift vertically (2).

Fig. 13



5.5.6 Tilt the glass panel forwards at the base (3), then remove from the product in a vertical direction (4) downwards as shown below in figure 14.

Fig. 14



5.5.7 Store the glass panel in a safe place. **DO NOT PROCEED WITH THE INSTALLATION IF THE GLASS PANELS ARE BROKEN, CRACKED OR CHIPPED.**

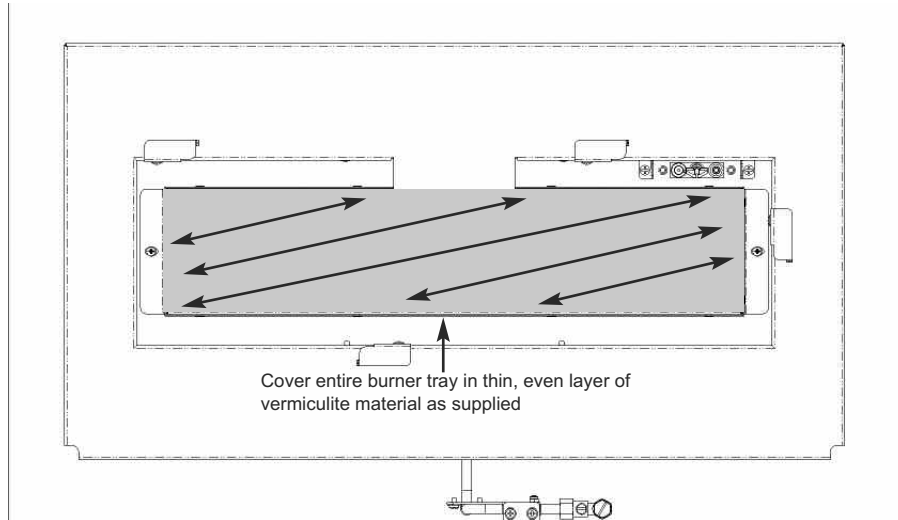
5.5.8 Repeat the process to remove the side glass panels.

5.5.9 Replace in reverse order. **DO NOT USE THE APPLIANCE WITHOUT THE GLASS PANELS IN POSITION.**

5.6 REMOVING AND REPLACING THE FUEL-BED LOGSET

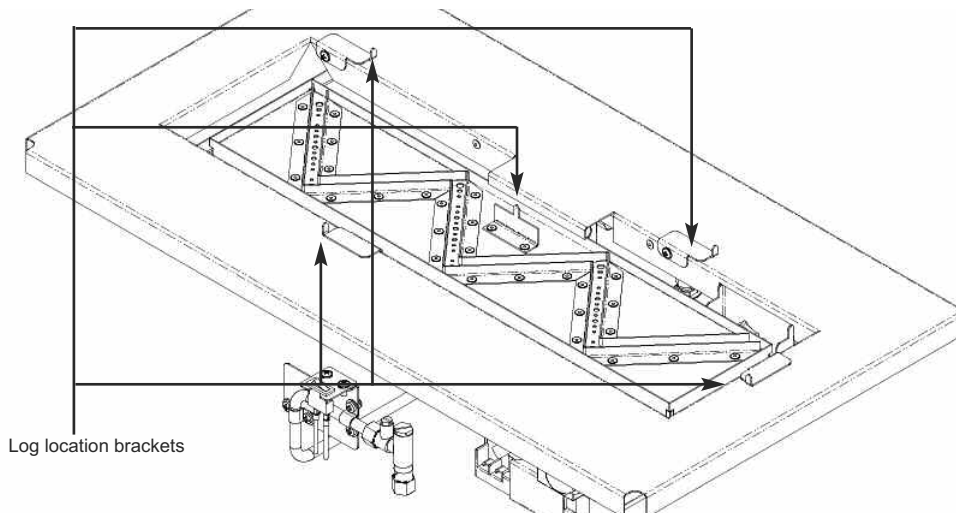
- 5.6.1 Fit the vermiculite in an even layer across the burner unit, **including** covering all of the flame ports as shown below in figure 15.

Fig. 15



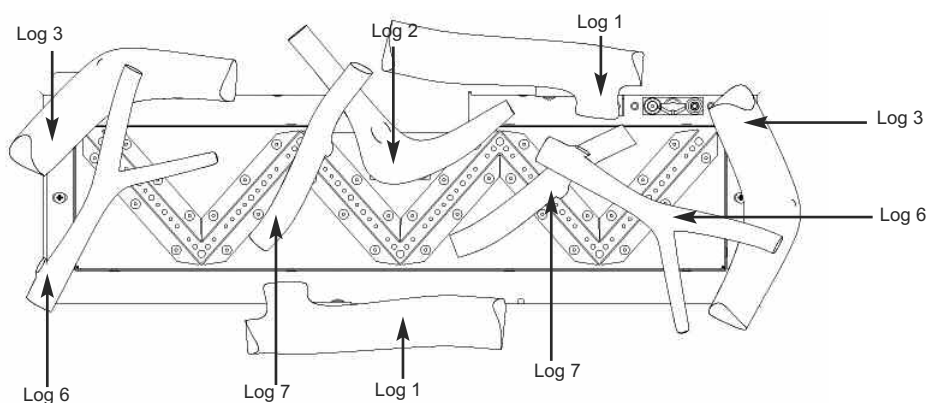
- 5.6.2 Identify the log retaining brackets as shown below in figure 16

Fig. 16



- 5.6.3 Position the logs as shown in the layout below in figure 17, ensuring that the logs are correctly located on the location pegs. If required, fit the optional Embaglow material over the flame ports. To do this, separate into short strands and place randomly over the flame porting area. Please now read ceramic log set advice notes on page 40, section 5.8

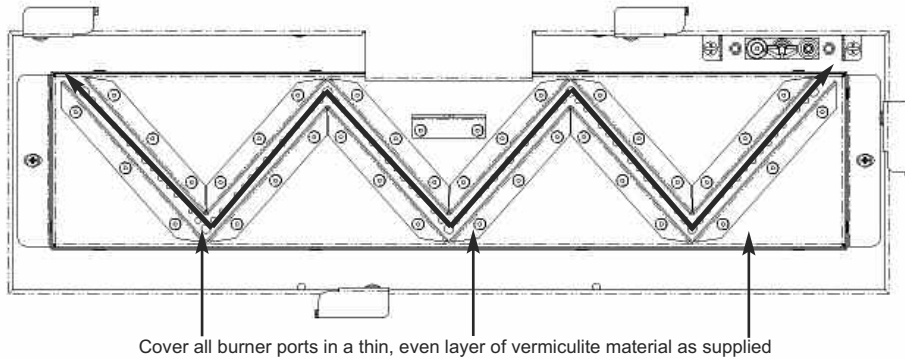
Fig. 17



5.7 FITTING THE FUEL-BED PEBBLES - ALL MODELS

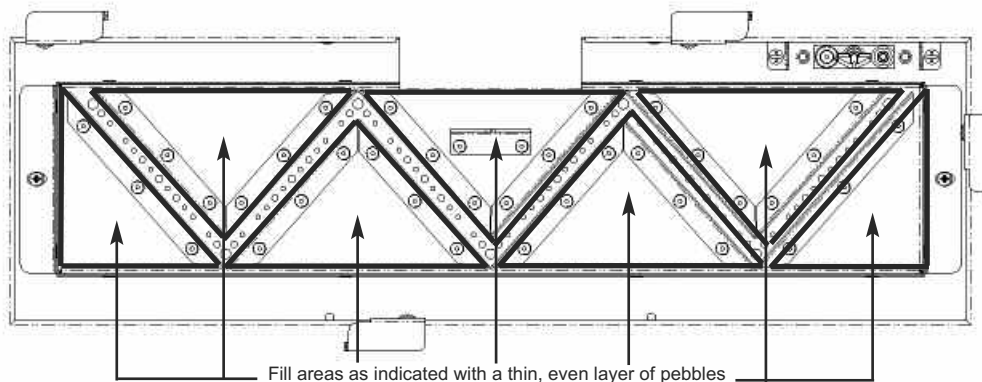
5.7.1 Fit a thin even layer of vermiculite into the burner flame ports as shown below in figure 18.

Fig. 18



5.7.2 Fill the area either side of the burner ports with a thin even layer of pebbles as indicated below in figure 19. If required, fit the optional Embaglow material over the flame ports. To do this, separate into short strands and place randomly over the flame porting area.

Fig. 19



5.8 CERAMIC LOG SET ADVICE.

Use only the logs supplied with the fire. When replacing the logs remove the old logs and discard them. Fit a complete set of logs of the correct type. Do not fit additional logs or any logs other than a genuine replacement set.

To ensure that the release of fibres from these R.C.F (Refractory Ceramic Fibre) articles is kept to a minimum, during installation and servicing we recommend that you use a HEPA filtered vacuum to remove any dust accumulated in and around the appliance before and after working on the appliance. When replacing these articles we recommend that the replaced items are not broken up, but are sealed within heavy duty polythene bags, clearly labelled as "RCF waste". RCF waste is classed as a "stable", non reactive hazardous waste and may be disposed of at a landfill licensed to accept such waste. Protective clothing is not required when handling these articles, but we recommend you follow the normal hygiene rules of not smoking, eating or drinking in the work area, and always wash your hands before eating or drinking.

THIS APPLIANCE DOES NOT CONTAIN ANY COMPONENT MANUFACTURED FROM ASBESTOS OR ASBESTOS RELATED PRODUCTS.

5.9 USER REPLACEABLE PARTS LIST

B-150100	Front glass panel
B-150110	Side glass panel
B-169360	Complete log set
B-128250	Log "1" only (quantity x 2 per set)
B-128260	Log "2" only (quantity x 1 per set)
B-128270	Log "3" only (quantity x 2 per set)
B-128300	Log "6" only (quantity x 2 per set)
B-128310	Log "7" only (quantity x 2 per set)
B-120070	Bag of "Embaglow" (quantity x 2 per set)
CV-107116	Bag of vermiculite (quantity x 2 per set)
B-128320	Pebble set
B-149660	Replacement bulb (G9 Halogen lamp, 25W, 230V)

Part No. B-1003929
Issue 2

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