



At the heart of your home

# Rocco HE

Model No. FPHL\*\*RN2

**HIGH EFFICIENCY LOG EFFECT ROOM HEATER**

**Installation, Maintenance & User Instructions**

**Hand these instructions to the user**

**Model No. FPHL\*\*RN2 is for use on Natural Gas (G20) at a supply pressure of 20 mbar in G.B. / I.E.**

**\*\* Denotes trim & colour variant**

## **Information Requirements for Commission Regulation (EU) 2015/1188**

<b>Model Identifier</b>	<b>FPHL**RN2</b>
<b>Indirect Heating Functionality</b>	<b>No</b>
<b>Direct Heat Output</b>	<b>3.6kW</b>
<b>Indirect Heat Output</b>	<b>Not Applicable</b>
<b>Fuel</b>	<b>Natural Gas (G20)</b>
<b>NOx Emissions</b>	<b>130mg/kWh</b>
<b>Nominal Heat Output</b>	<b>3.6kW</b>
<b>Minimum Heat Output (Indicative, all models)</b>	<b>1.5kW</b>
<b>Useful Efficiency at Nominal Heat Output</b>	<b>73.9%</b>
<b>Useful Efficiency at Minimum Heat Output (Indicative)</b>	<b>50.0%</b>
<b>Auxilliary Power Consumption at Nominal Heat Output</b>	<b>0.000001kW</b>
<b>Auxilliary Power Consumption at Minimum Output</b>	<b>0.000001kW</b>
<b>Auxilliary Power Consumption at Standby Mode</b>	<b>0.0000005kW</b>
<b>Permanent Pilot Flame Requirement</b>	<b>N/A</b>
<b>Type of Heat Output / Room Temperature Control</b>	<b>Not applicable</b>
<b>Contact Details</b>	<b>BFM Europe Ltd. Gordon Banks Drive Trentham Lakes North Stoke-on-Trent ST4 4TJ Tel : 01782 339000</b>

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**Model number FPHL\*\*RN2** manufactured by:-

BFM Europe Ltd. Trentham Lakes, Stoke-on-Trent, Staffordshire, ST4 4TJ

# SECTION 1 INFORMATION AND REQUIREMENTS

## 1.0 APPLIANCE INFORMATION

Main injector : (1 off)	Stereomatic Injector Cat 82 – size 380 (NG)
Pilot Type :	ERTA PG-83-10
Max. Gross Heat Input :	5.4 kW
Min. Gross Heat Input :	3.0 kW
Gas Rate :	0.512 m <sup>3</sup> /hr (High) 0.290 m <sup>3</sup> /hr (Low)
Cold Pressure :	G20 20.0+/-1.0 mbar (8.0 +/- 0.4 in w.g.)
Ignition :	Integral to gas valve
Electrode Spark Gap :	4.0mm
Packed Weight	51.0 kg

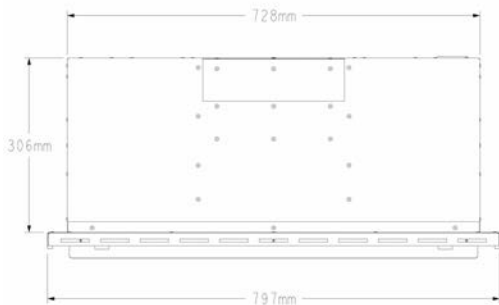
### **Efficiency Declaration**

The efficiency of this appliance has been measured as specified in BS 7977-1 : 2009 + A1 2013 and the result is 73.9%.

The net 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.

**Fig. 1**

**Top View of Combustion Chamber**



**Fig. 2**

**Side View of Combustion Chamber**



# INSTALLATION REQUIREMENTS

## 1.1 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. BS 5871 Part 2 Installation of Inset Live Fuel Effect Gas Fires
2. BS 6891 Installation of Gas Pipework
3. BS 5440 Parts 1 & 2 Installation of Flues and Ventilation
4. BS 1251 Open fire place components
5. BS 715 / BS EN 1856-2 Metal flue pipes for gas appliances
6. BS EN 1858 Clay Flue Blocks and Terminals
7. IS 813 : Domestic Gas Installation (Republic of Ireland)

**No purpose made additional ventilation is normally required for this appliance, when installed in G.B. When Installing in I.E. please consult document I.S. 813 : Domestic Gas Installation, which is issued by the National Standards Authority of Ireland. If installing in Northern Ireland, please consult local building regulations. Any purpose made ventilation must be checked periodically to ensure that it is free from obstruction.**

## 1.2 FLUE AND CHIMNEY SUITABILITY

This appliance is designed for use with conventional brick built or lined chimneys and fabricated flues and metal flue boxes conforming to BS 715 / BS EN 1856-2. All flues must conform to the following minimum dimensions.

<b>Minimum diameter of circular flues</b>	<b>125 mm</b>
<b>Minimum effective height of all Class 1 (175mm) flues</b>	<b>3 metres</b>
<b>Minimum effective height of all Class 2 (125mm) flues</b>	<b>4 metres</b>

**ENSURE THAT IF INSTALLING THIS PRODUCT INTO A BRICK BUILT CHIMNEY, THE CHIMNEY HAS BEEN FULLY SWEEPED PRIOR TO PROCEEDING WITH THE INSTALLATION.**

Safe clearance of products must always be checked by carrying out a smoke match test as described in section 3.5

### 1.3 SHELF POSITION

The fire may be fitted below a combustible shelf providing there is a minimum distance of 300mm above the top of the fire and the shelf does not project more than 150mm. If the shelf overhangs more than 150mm the distance between the fire and the shelf must be increased by 15mm for every 25mm of additional overhang over 150mm.

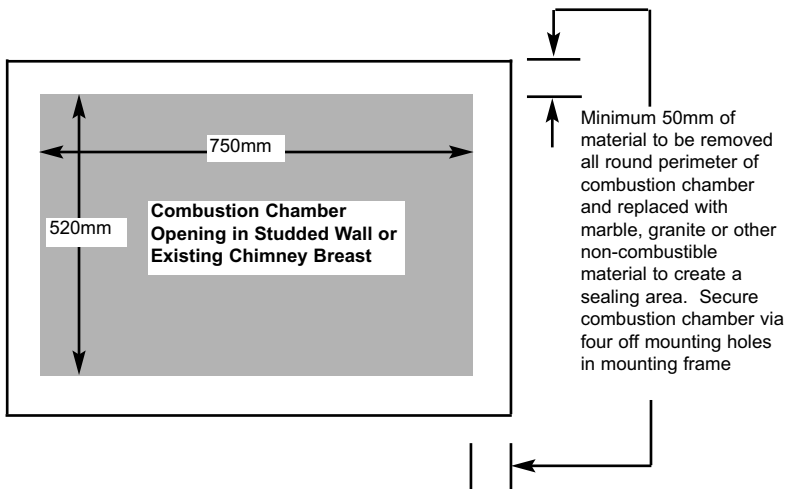
### 1.4 HEARTHES

This appliance does not require the fitting of a hearth that projects in front of it when installed into a recess in either an existing chimney breast or a studded wall. The appliance must however stand on a non-combustible base that is a minimum thickness of 12mm

### 1.5 INSTALLATION TO PLASTERED WALL SURFACES

If installing to a plastered wall, all material must be removed from the 50mm area surrounding the combustion chamber opening, and replaced with non-combustible material, such as marble or granite, to prevent plaster cracking. See figure 3 below.

Fig. 3



## SECTION 2 INSTALLATION OF FIRE

### 2.1 UNPACKING THE COMBUSTION CHAMBER

Carefully lift the combustion chamber out of the carton. Remove the loose item packaging carefully from the pack. Check the contents as listed :-

**DO NOT UNDER ANY CIRCUMSTANCES USE THIS APPLIANCE IF THE GLASS PANEL IS BROKEN OR NOT SECURELY FIXED TO THE FIREBOX.**

#### Packing Check List

- 1 off Combustion chamber & glass frame assembly
- 1 off Trim (packed in front section of outer carton)
- 1 off Boxed ceramic fuel-bed set (packed inside combustion chamber)
- 1 off Installation / user Instruction manual
- 1 off Rubber grommet (to seal inlet aperture used on firebox)
- 1 off Handset
- 1 off Loose Items pack – containing :-
  - 1 off efficiency baffle & 2 fixing screws
  - 4 off No. 12 x 40mm screws
  - 4 off rawlplugs
  - 5 off AA batteries
  - 1 off guarantee card

#### **IMPORTANT NOTE BEFORE PROCEEDING WITH THE INSTALLATION**

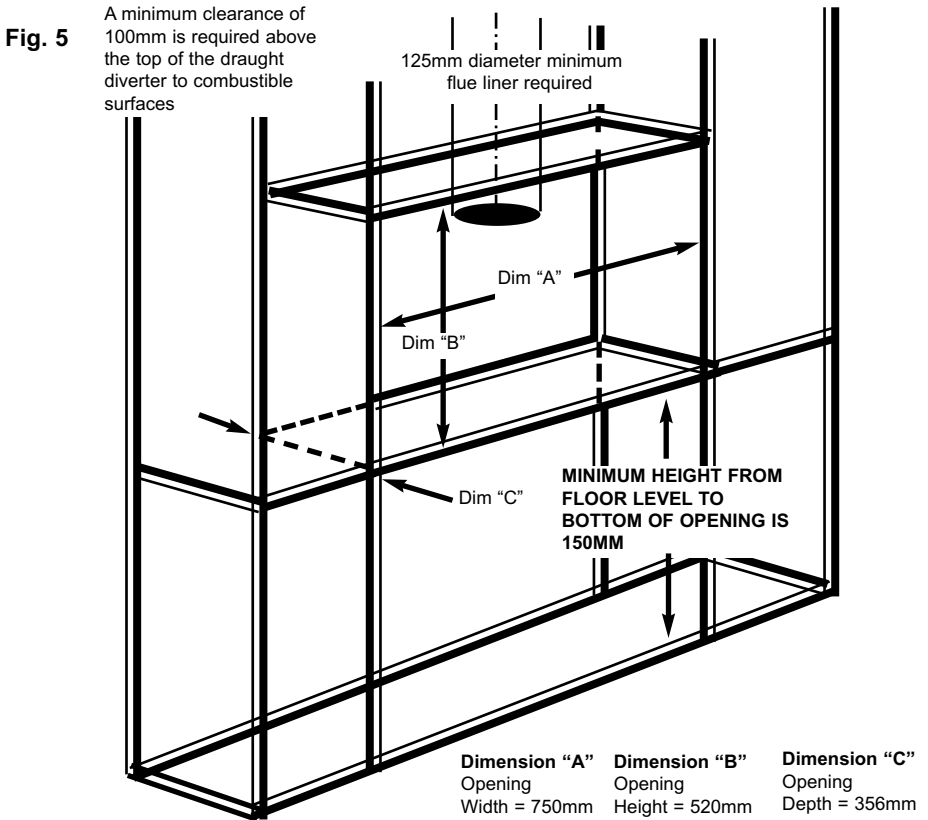
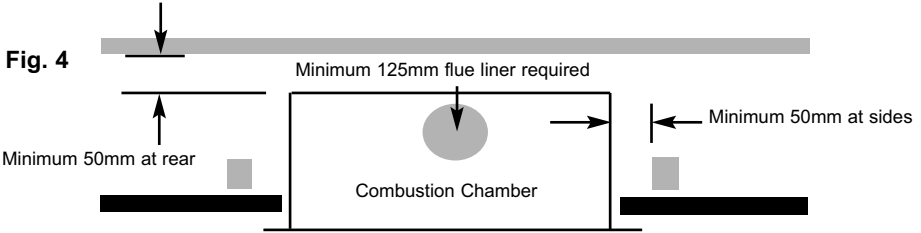
This product requires a minimum effective flue height of 4.0 metres of minimum circular cross-sectional area 125mm. If installing the product into a 225mm x 225mm brick chimney, THE CHIMNEY SOUNDNESS MUST BE CHECKED BY TESTING prior to a decision being made on whether the chimney requires lining. If the flue height is greater than 10 metres on an external wall or 12 metres on an internal wall then a flue liner must be fitted even if the chimney integrity is ok.

Please check the chimney height and integrity prior to proceeding with the installation, to establish if a chimney liner is required. Any flue pipe should conform to BS 715 / BS EN 1856-2 (Metal flue pipes for gas appliances).

**When you have decided upon if the product requires the fitting of a flue liner, proceed with the creation of the correct sized builders opening or studwork installation of the product as per sections 2.2 or 2.3**

## 2.2 PREPARATION OF THE COMBUSTION CHAMBER OPENING (INTO STUDDED WALL) USING A 125MM FLUE LINER.

All combustible parts of the studwork must be set at the distances as shown below in figure 4 & 5. For installation into such applications a flue box with 125mm flue pipe adaptor is available to purchase as a cost option extra, please order part number 1125-130260, from your local Flavel stockist.

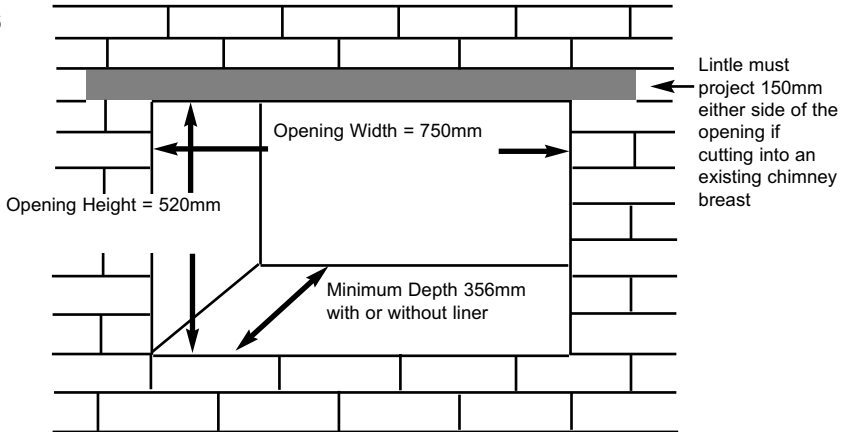




## 2.3 PREPARATION OF THE COMBUSTION CHAMBER OPENING (INTO EXISTING CHIMNEY BREAST)

An opening should be constructed to the following dimensions in the existing chimney breast. See figure 6 below.

Fig. 6



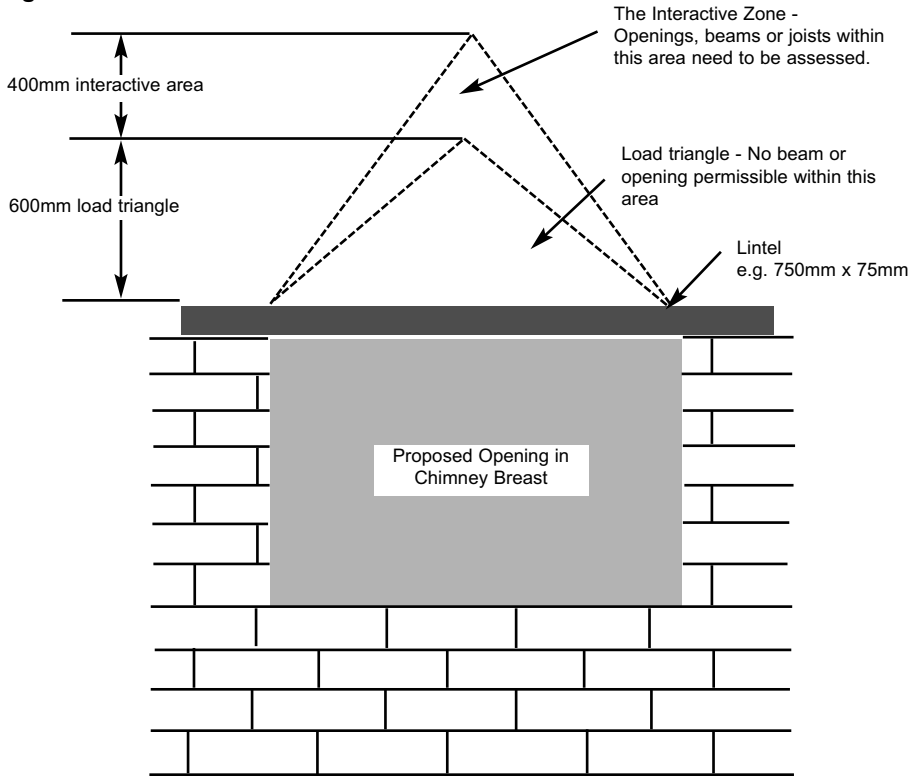
**NOTE :** Please ensure that access holes are cut into either the sides or area above the lintel to allow access to the flue pipe connection if using a flue liner. Such access holes are also advantageous in installations where a flue liner is not required as they provide access for servicing purposes.

If installing without a flue liner, please ensure that sufficient depth is available in the opening to collect a minimum volumetric area of 12 litres ( $0.012\text{m}^3$ ) of flue debris. This is achieved by a minimum depth of 356mm, the design of the outer combustion chamber ensures this depth can be met.

Refer to figure 1 on page three for dimensions of the flue outlet.

**CHECK ANY LOAD BEARING STRUCTURAL ITEMS ARE NOT AFFECTED BY THE INSTALLATION OF THE PRODUCT. SEE FIGURE 7 OVERPAGE.**

**Fig. 7**

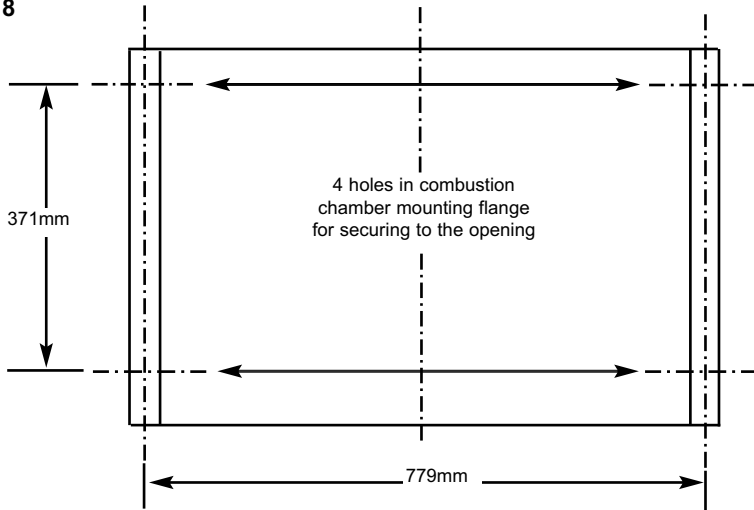


The opening needs to be sufficient to accommodate the combustion chamber. To support the wall above the opening, a suitable lintel must be inserted across the top of the opening. The lintel could be either pre-cast concrete or steel - Catnic CN52 or CN 46 could be used, depending upon the inner wall thickness. Before proceeding with the installation of the fire, an assessment of the area immediately above the fire is required, see figure 7 above. If there is no existing openings within either triangle, proceed with forming the opening. However, if openings or beams occur within either triangle, then you should seek specialist advice from a structural engineer or consider relocating the proposed position of the firebox.

## 2.4 SECURING THE FIRE TO THE OPENING

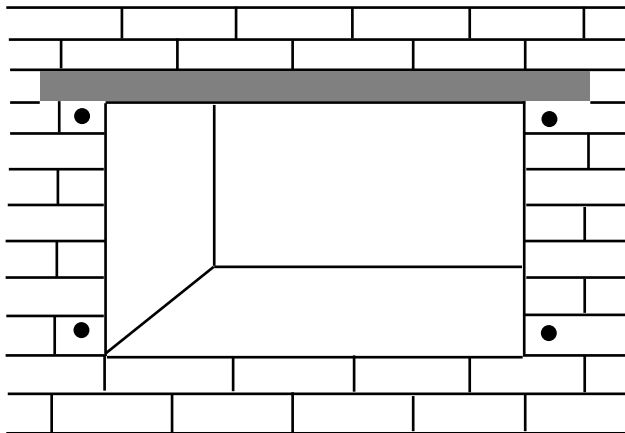
- 2.4.1 The combustion chamber must be secured to the opening via the four off screw and rawlplugs provided. Figure 8 & 9 below shows the hole centres in the mounting flanges of the combustion chamber.

**Fig. 8**



- 2.4.2 DO NOT SECURE THE COMBUSTION CHAMBER INTO THE OPENING AT THIS POINT AS ACCESS WILL STILL BE REQUIRED TO RUN THE GAS SUPPLY PIPEWORK AS DETAILED IN SECTION 2.5

**Fig. 9**

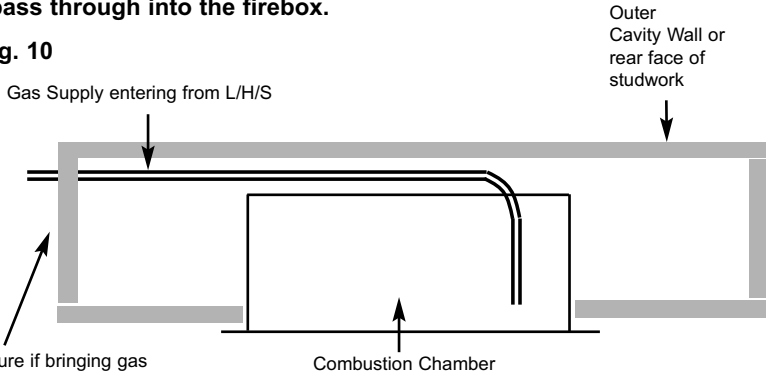


## 2.5 INSTALLATION OF THE GAS SUPPLY (INTO STUDDED WALL OR EXISTING CHIMNEY BREAST)

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 the below the firebox from the left, right or rear and connect to the inlet elbow. See figure 10, 11 & 12 below.

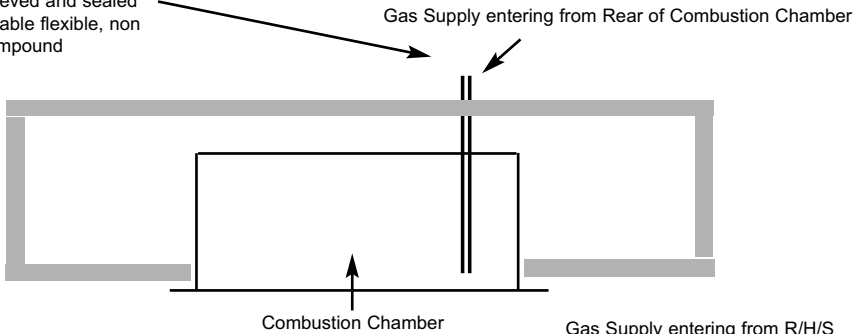
**Note :** Before breaking into the gas supply a pressure drop test should be carried out to establish that the existing pipework is sound. Always insert the grommet into the entry point used (a sharp blow with a hammer or chisel will be sufficient to knock out the opening selected in the firebox) and with the grommet fitted cut with a sharp knife to allow the supply pipework to pass through into the firebox.

**Fig. 10**

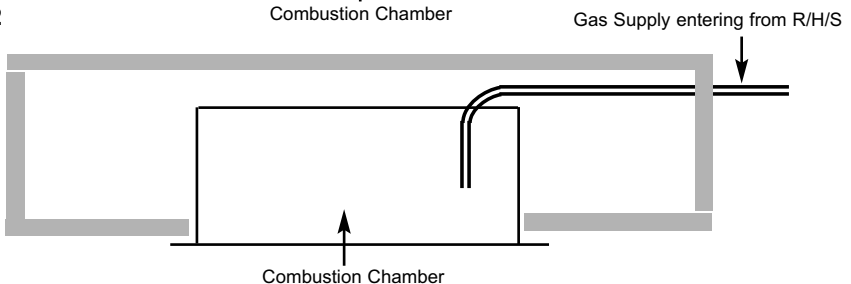


Ensure if bringing gas supply through side or rear of a chimney breast that the pipe is sleeved and sealed with a suitable flexible, non setting compound

**Fig. 11**



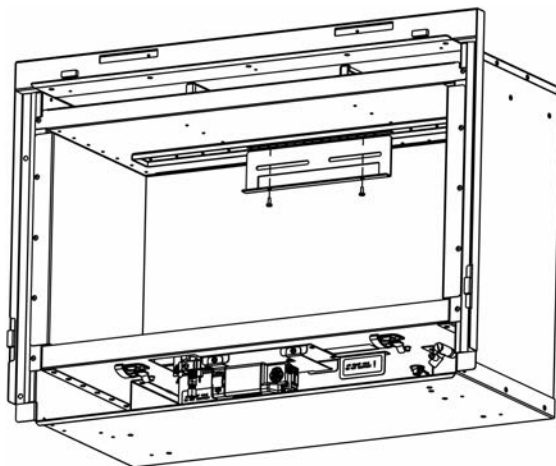
**Fig. 12**



## 2.6 FITTING OF THE EFFICIENCY BAFFLE.

- 2.6.1 The product is supplied with an efficiency baffle to improve the efficiency of the product when installed into Class 1 flues, of minimum diameter 175mm / 7" or brick built 225mm x 225mm chimneys. The minimum effective height of all flues must be 3 metres or above unless 125mm / 5" then see section 2.6.3
- 2.6.2 If the product is to be fitted into a Class 1 flue, it may be desirable to fit the efficiency baffle.
- 2.6.3 If the product is fitted into a Class 2 flue of diameter 125mm / 5" then the restrictor baffle must not be fitted. It should also be noted that if fitting into a 125mm / 5" diameter flue that the minimum effective height of the flue is 4 metres.
- 2.6.4 To fit the efficiency baffle (supplied in the loose items pack), use the 2 screws supplied to secure the baffle in position in the roof of the fire as shown below in figure 13.

**Fig. 13**



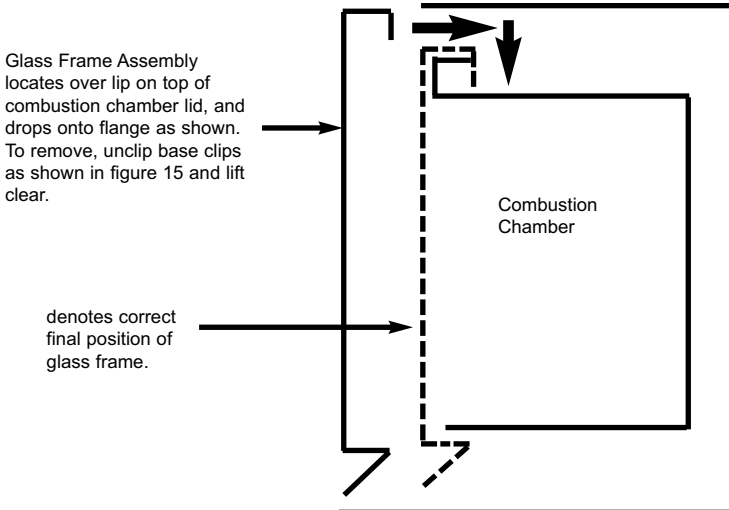
## 2.7 FITTING OF THE BATTERIES

- 2.7.1 Please refer to section 3.4

## 2.8 REMOVING / RE-FITTING THE GLASS FRAME ASSEMBLY

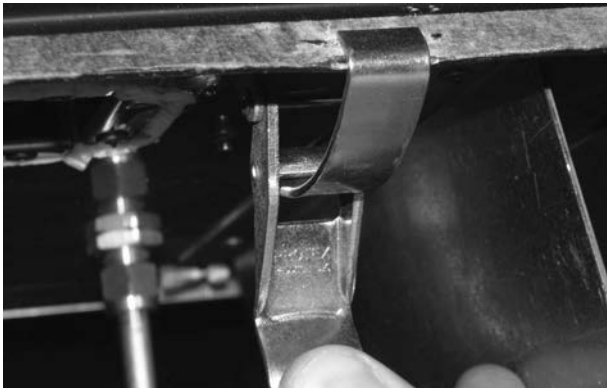
2.8.1 The glass frame is held in position by hooking the top flange over the combustion chamber opening at the top as shown in figure 14 below.

**Fig. 14**



2.8.2 The assembly is then secured to the bottom of the combustion chamber by the two hinge clamp brackets as shown below in figure 15. These are clamped together to form the seal between the glass frame assembly and the combustion chamber.

**Fig. 15**



**NOTE :** Always ensure that a consistent seal between the combustion chamber and the glass frame is achieved.

## SECTION 3 INSTALLATION OF FIRE

### 3.1 FITTING THE FUEL-BED LOGSET

- 3.1.1 The gravel material should then be first layed around the base of the combustion chamber as shown below in figure 16, leaving the rear section as shown to allow the fitting of Log “A”

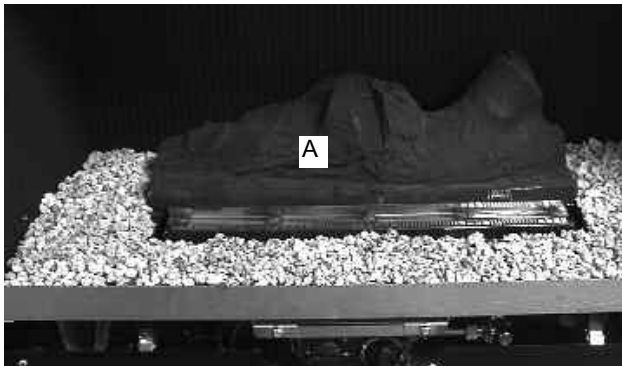
**Fig. 16**



- 3.1.2 Place the largest Log “A” centrally onto the fuel-bed support behind the burner flame strip. Ensure that the fuel-bed Log “A” is located centrally in the firebox, and that the front edge is parallel with the rear face of the burner flame strip as shown below in figure 17.

**Fig. 17**

Fuel-bed  
Log “A” to be  
fitted behind  
burner flame  
strip



- 3.1.3 Fit Log “B” into position on left hand side of the fuel-bed base log “A” as shown below in figure 18, using the groove in Log “A” as a guide for placement.

**Fig. 18**



- 3.1.4 Fit Log “C” into position on left hand side of the fuel-bed base log “A” as shown below in figure 19, using the groove in Log “A” as a guide for placement.

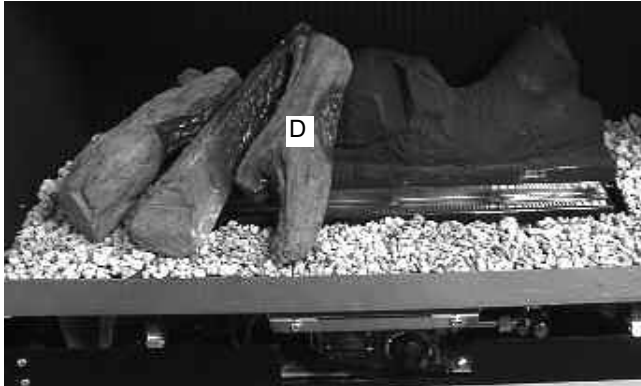
**Fig. 19**





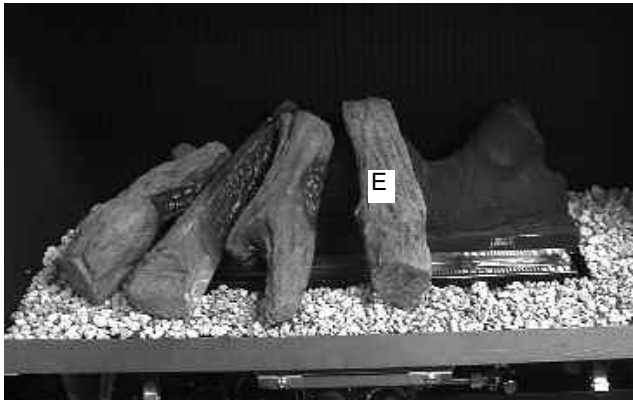
3.1.5 Fit Log “D” into position on left hand side of the fuel-bed base log “A” as shown below in figure 20, using the groove in Log “A” as a guide for placement.

**Fig. 20**



3.1.6 Fit Log “E” into position at centre of the fuel-bed base log “A” as shown below in figure 21, using the groove in the centre of Log “A” as a guide for placement.

**Fig. 21**



- 3.1.7 Fit Log “F” into position at right hand side of centre of the fuel-bed base log “A” as shown below in figure 22, using the groove in Log “A” as a guide for placement.

**Fig. 22**



- 3.1.8 Fit Log “G” into position at right hand side of the fuel-bed base log “A” as shown below in figure 23, using the raised section in the base log as a guide for position.

**Fig. 23**



**IMPORTANT NOTE**

**HAVING FITTED THE GRAVEL MATERIAL IN THE BASE OF THE COMBUSTION CHAMBER, ENSURE THAT NONE OF IT IS ON THE BURNER FLAME STRIP OR IN THE PILOT ASSEMBLY. IF MATERIAL IS OBSERVED VISUALLY ON THESE COMPONENTS, REMOVE THE FUEL-BED LOGSET, REMOVE THE GRAVEL MATERIAL FROM THE BURNER AND OR PILOT AND RE-FIT THE LOGS AS DETAILED IN SECTION 3.1 ABOVE.**

**Warning : 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.**

**This appliance uses fuel effect pieces containing Refractory Ceramic Fibres (R.C.F.), which are man-made vitreous silicate fibres. Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract. Consequently, it makes sense to take care when handling these articles to ensure that the release of dust is kept to a minimum. To ensure that the release of fibres from these R.C.F. articles is kept to a minimum, during installation & servicing we recommend that you use a HEPA filtered vacuum to remove any dust and soot accumulated in and around the fire, before and after working on the fire. When replacing these articles we recommend that the replaced items are not broken up, but are sealed within a heavy duty polythene bag, clearly labelled as “RCF waste”. This is not classified as “hazardous waste” and may be disposed of at a tipping site licensed for the disposal of industrial waste. Protective clothing is not required when handling these articles, but we do 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.**

Refit the glass frame as detailed in section 2.8, then light the appliance as detailed in section 3.6

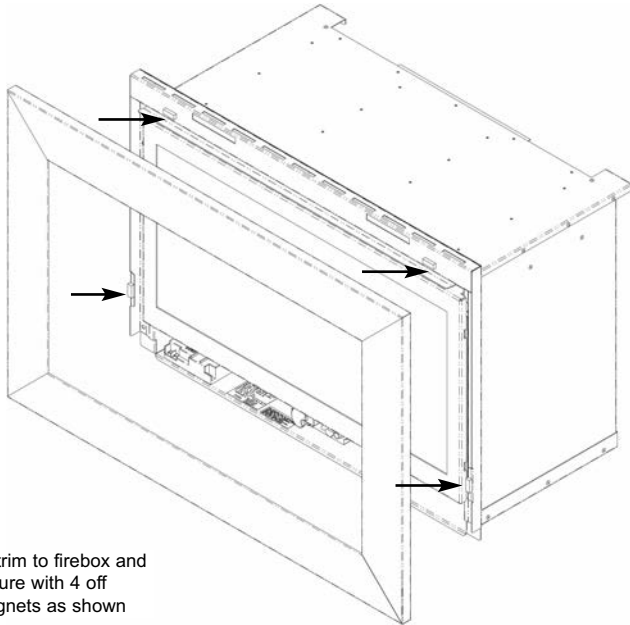
### **3.2 MAKING THE GAS CONNECTION & CHECKING FOR GAS TIGHTNESS**

- 3.2.1 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. Failure to purge the gas supply will invalidate the guarantee.
- 3.2.2 The gas connection should be made to the appliance inlet elbow to using 8mm rigid tubing.
- 3.2.3 Remove the pressure test point screw from the inlet elbow and fit a manometer.
- 3.2.4 Turn on the main gas supply and carry out a gas tightness test.

### 3.3 REMOVAL & RE-FITTING OF THE TRIM ASSEMBLY

3.3.1 The trim is attached to firebox by 4 off magnets as shown below in figure 24.

**Fig. 24**



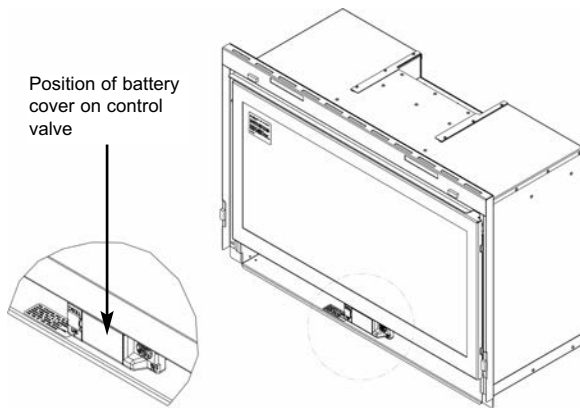
Fit trim to firebox and  
secure with 4 off  
magnets as shown

3.3.2 Ensure the trim is securely fitted to the fire.

### 3.4 FITTING THE BATTERIES

3.4.1 The control valve is located at the base of the fire as shown below in figure 25.

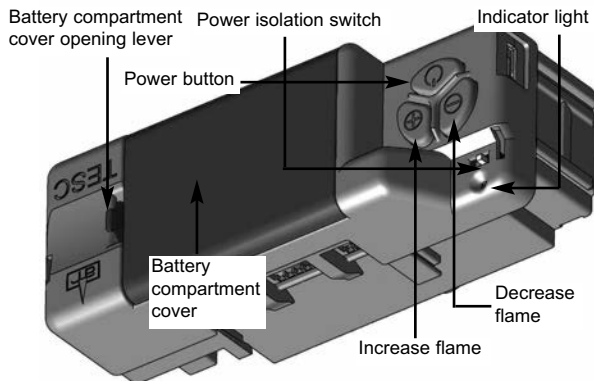
**Fig. 25**



3.4.2 Remove the battery compartment cover from the control valve as indicated below in figure 26 and fit the 3 off AA sized batteries to the control valve unit.

3.4.3 Ensure that the power isolation switch is in position "1" and the power indicator light is illuminated (red) after the batteries have been fitted as shown in figure 26 below.

**Fig. 26**



**IMPORTANT NOTE : THE BATTERIES SHOULD BE REPLACED WITH GOOD QUALITY ALKALINE BATTERIES WHEN REQUIRED, THE BATTERY LIFE IS EXPECTED TO BE A MINIMUM OF 12 MONTHS WITH NORMAL USAGE. FOR BEST PERFORMANCE BFM EUROPE RECOMMEND THE USE OF ENERGIZER BATTERIES WITH IT'S PRODUCTS.**

3.4.4 Fit two off AA batteries to the handset in the direction shown inside the handset moulded into the plastic.

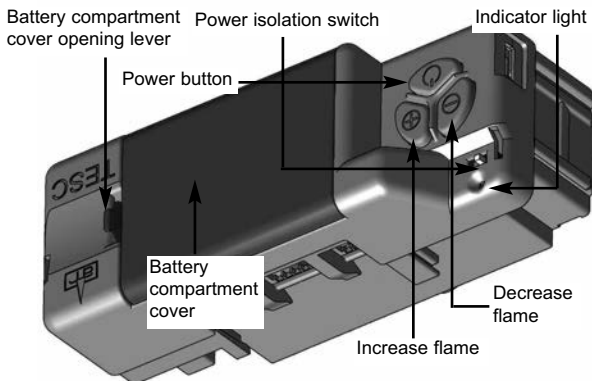
3.4.5 For Remote control model operation please see section 3.6

### 3.5 LIGHTING THE FIRE MANUALLY VIA THE CONTROL VALVE

3.5.1 These products can be operated manually by using the buttons directly on the fire control in addition to the handset (should the need arise).

3.5.2 To operate the fire press and hold the “power” button as shown below in figure 27 for two seconds, release as soon as the red indicator light shown in figure 27 illuminates. The burner will then start its ignition sequence and light to the maximum heat input level.

**Fig. 27**



3.5.3 To reduce the heat input, press and release the (-) button to lower the heat input level one step at a time. Pressing the (-) button continuously will move the heat input level to the minimum.

3.5.4 To increase the heat input level, press then release the (+) button to increase the heat input level one step at a time. Pressing the (+) button continuously will move the heat input level to the maximum.

3.5.5 To turn the fire off, press the power button and the burner will stop.

**3.5.6 If you are not intending to use the fire for a long period (i.e. over the summer months) the battery life can be extended by sliding the power isolator switch to the left (to the “0” position away from the “1” position) on the valve itself, which is located behind the trim on the fire.**

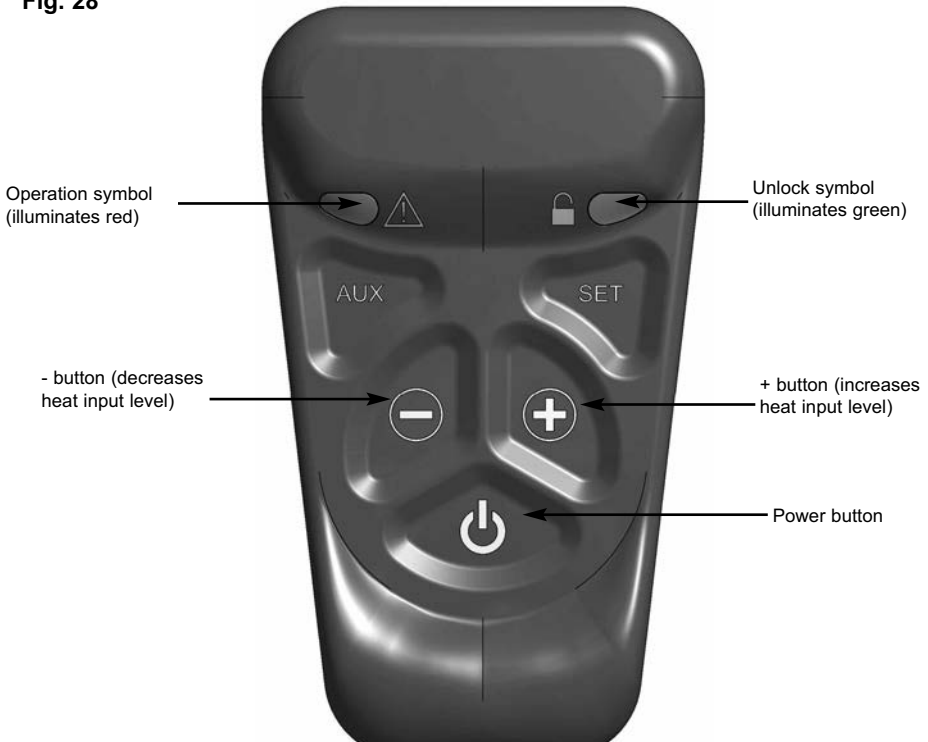
### 3.6 LIGHTING THE FIRE VIA THE REMOTE CONTROL HANDSET

3.6.1 Ensure valve power isolation switch is in the on position - see figure 27  
Hold the handset with one hand ensuring your hand is wrapped around the back and that your hand is in contact with both sides of the handset. The green light of the “unlock” symbol should light. See figure 28 below.

3.6.2 Press and hold the power button continuously until the red light illuminates next to the operation symbol (this typically takes two seconds). As the red light illuminates release immediately the power button. The red light will flash as the burner is being lit. While the burner is lighting the red light will flash. When the burner has lit the red light will stop completely. The burner will now be lit at maximum heat input level.

NOTE : If the power button is pressed for too long or too short a time or the grip on the handset is not firm or is released too soon, the lighting sequence will be interrupted and not complete. The reason for the remote control having this strict start sequence is for safety reasons so that the starting operation of the fire will be most unlikely to be done other than intentionally by an adult.

Fig. 28



## 3.6 LIGHTING THE APPLIANCE - REMOTE CONTROL MODELS (CONTINUED)

3.6.3 To decrease the heat input level of the burner hold the handset as described in section 3.6.1 to unlock the keypad then press and release the - button. Pressing and releasing the - button will lower the heat input level one step at a time. Pressing the - button continuously will move the heat input level to the minimum.

3.6.4 To increase the heat input level of the fire's burner hold the handset as described in section 3.6.1 to unlock the keypad then press and release the + button. Pressing and releasing the + button will increase the heat input level one step at a time. Pressing the + button continuously will move the heat input level to the maximum.

3.6.5 To turn the fire off hold the handset as described in section 3.6.1 to unlock the keypad then press and release the power button. The burner will go out.

3.6.6 **If you are not intending to use the fire for a long period (i.e. over the summer months) the battery life can be extended by sliding the power isolator switch to the left (to the "0" position away from the "1" position) on the valve itself, which is located behind the trim on the fire.**

3.6.7 **In the event of loss of the remote handset, as a backup the fire can be controlled from the valve, which is located behind the trim on the fire, see section 3.5 for full manual operating instructions. If your fire does not operate manually please consult the troubleshooting chart on the rear page of this manual.**

3.6.8 If the handset is misplaced you can "page it" by pressing the (+) button only on the control valve on the fire for a period of 5 seconds. The handset will flash and make an audible noise to help you locate it. Once you find the handset with one hand ensure your hand is wrapped around the back and that your hand is in contact with both sides of the handset then the audible noise will cease. The flashing and sound will last for 60 seconds each time the handset is paged as described. If not found in 60 seconds page the handset again until located.



### 3.7 CHECKING FOR CLEARANCE OF COMBUSTION PRODUCTS

- 3.7.1 Close all doors and windows in the room.
- 3.7.2 Light the fire and allow to run for approximately 5 minutes on high position.
- 3.7.3 After approximately 5 minutes hold a smoke match just inside and below the centre of the lower front edge of the top of the fire as shown in figure 29 below (It is recommended that a suitable smoke match holder is used when checking for clearance of combustion products). All smoke generated should be drawn back into the flue. If slight spillage occurs or if in doubt, repeat the test after a further 5-10 minutes.
- 3.7.4 If spillage persists, the flue is not functioning correctly and a fault exists. If, after investigation the fault cannot be traced and rectified, the fire must be disconnected from the gas supply and expert advice obtained.
- 3.7.5 If there is an extractor fan fitted anywhere in the vicinity of the appliance, the spillage test should be repeated with the fan running on maximum and all interconnecting doors open.
- 3.7.6 After ensuring that the fire is safe to use it should be left on high position to fully warm up. During this time a slight odour may be noticed, this is due to the "newness" of the fire and will soon disappear.

**Fig. 29**



## **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 Flavel Fires extended guarantee scheme that this is carried out by a competent person i.e a GAS SAFE registered Engineer in accordance with these servicing notes, and as a condition of the guarantee the oxy-pilot must be changed.

The condition of the logs should be checked and if necessary the whole set should be replaced with a genuine replacement set. The product must be removed from the opening to check for debris accumulation if fitted without a flue liner. See label attached to gas inlet elbow to see if appliance was fitted without a flue liner when originally installed. After any servicing work a gas tightness check must always be carried out.

#### **4.1 Removing the burner assembly from the fire.**

- 4.1.1 Isolate the gas supply.
- 4.1.2 Remove trim from the front of the fire, as shown in section 3.3
- 4.1.3 Remove the glass frame assembly from the fire, as shown in section 2.8
- 4.1.4 Remove the log set and loose gravel from the combustion chamber base, taking care not to damage the logs.
- 4.1.5 Remove the access panel from the combustion chamber, which is secured using six screws.
- 4.1.6 Remove the two burner retaining screws, 1 off at each end of the burner.
- 4.1.7 Slide the burner off the main injector and remove from the product.

#### **4.2 Removing the control valve sub assembly from the fire.**

- 4.2.1 Isolate the gas supply.
- 4.2.1 Remove trim from the front of the fire, as shown in section 3.3
- 4.2.2 Disconnect the pipe to the bulkhead fitting on the valve and disconnect the pipe on the valve which runs to the inlet elbow.

- 4.2.3 Loosen the pilot pipe, disconnect the ignition lead from the electrode and disconnect the thermocouple leads
- 4.3.4 Loosen the pilot pipe and disconnect the ignition lead from the electrode and the thermocouple leads from the rear of the valve.
- 4.3.5 Remove the two fixing screws which secure the pilot assembly to the burner unit.
- 4.3.6 Remove the pilot assembly.
- 4.3.7 Re-assemble with a new pilot assembly, and carry out a gas tightness test after re-assembly.

### Parts Shortlist

ODS pilot	B-170240
Glass Panel	B-81190
RC gas control valve	SP10693
RC Handset	B-168960
HT Lead	B-34690
Complete Log Set	B-109780
Log "A"	B-109700
Log "B"	B-109710
Log "C"	B-109720
Log "D"	B-109730
Log "E"	B-109740
Log "F"	B-109750
Log "G"	B-109760

## **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 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 fire may be fitted below a combustible shelf provided that the shelf is at least 300mm above the top of the appliance and the depth of the shelf does not exceed 150mm.

The fire may be installed below combustible shelves, which exceed 150mm deep providing that the clearance above the fire is increased by 15mm for each 25mm of additional overhang in excess of 150mm.

If this appliance is fitted directly on to a wall without the use of a fireplace or surround, soft wall coverings such as wallpaper, blown vinyl etc. could be affected by the heat and may discolour or scorch. This should be considered when installing or decorating.

The Model number of this appliance is FPHL\*\*RN2 and it is manufactured by :-

\*\* denotes trim and colour variant

BFM Europe Ltd.  
Trentham Lakes  
Stoke-on-Trent  
Staffordshire  
ST4 4TJ

## 5.2 ABOUT YOUR NEW ROCCO HE ROOM HEATER

The Flavel Rocco High Efficiency log effect room heater 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 hard ceramic material in the construction of the fuelbed components ensures long and trouble free operation. When first using the new fire a slight smell may be noticed. This is due to small deposits of oil on the firebox, but will soon disappear. 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.

**DO NOT UNDER ANY CIRCUMSTANCES ATTEMPT TO USE THIS APPLIANCE IF THE GLASS PANEL IS BROKEN OR HAS BEEN REMOVED.**

### IMPORTANT SAFETY INFORMATION

**WARNING : This appliance has a hot surface 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). Servicing should be carried out annually by a competent person such as a GAS SAFE registered engineer. It is a condition of BFM Europe Ltd. lifetime guarantees schemes that this is carried out by a competent person i.e a GAS SAFE registered Engineer.**

The service should include visually checking the appliance, flue terminal and fireplace for accumulation of debris around the firebox, and inspection of the ceramic logs, replacing as necessary. Should debris be found upon the fuel-bed, please contact a GAS SAFE registered installer. The condition of the ceramic log set should be carefully checked and **if necessary the whole unit should be replaced with a genuine replacement set.**

**After any servicing work a gas tightness check must always be carried out.** Any debris or deposits should be removed from the log set from time to time. This may be carried out by referring to the cleaning section as described later in this book. Only the fuelbed components as supplied must be used and complete and genuine replacements 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.

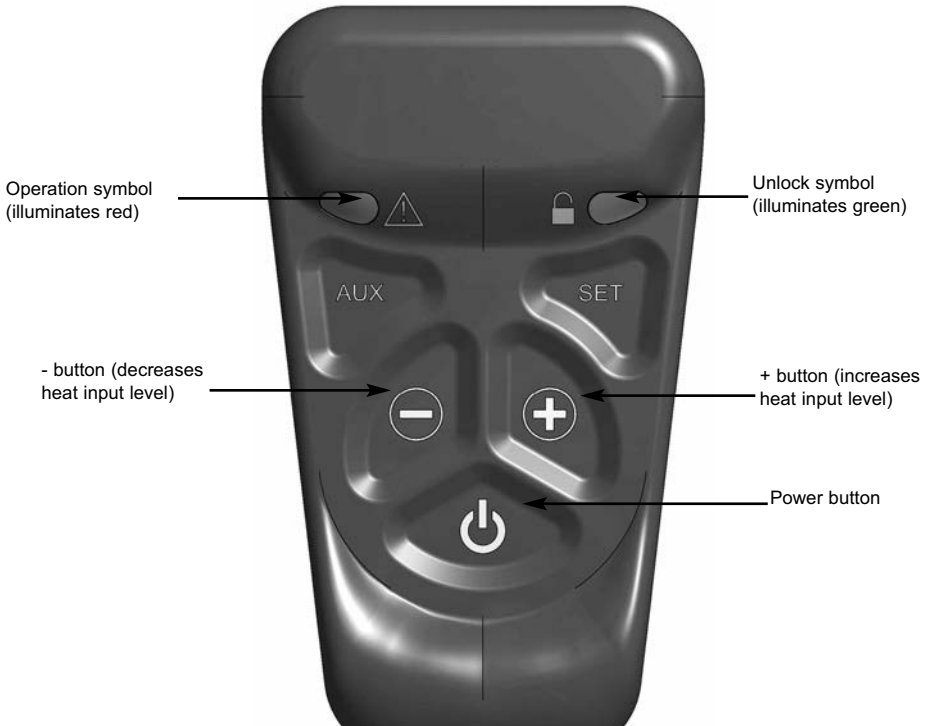
## 5.3 SPILLAGE MONITORING SYSTEM

This appliance is fitted with a spillage monitoring system which shuts down the fire if the evacuation of combustion products from the fire is affected by a partially or fully blocked flue pipe. If this system operates the fire will go out. If this occurs, leave the fire for at least three minutes then follow the lighting procedure as described in the previous section.

## 5.4 OPERATING THE FIRE - REMOTE CONTROL MODELS

- 5.4.1 The controls comprise a remote handset, to turn the fire on and off and adjust the gas rate. Ensure valve power isolation switch is in the on position - see figure 3. Hold the handset with one hand ensuring your hand is wrapped around the back and that your hand is in contact with both sides of the handset. The green light of the “unlock” symbol should light. See figure 1 below.
- 5.4.2 Press and hold the power button continuously until the red light illuminates next to the operation symbol (this typically takes two seconds). As the red light illuminates release immediately the power button. The red light will flash as the burner is being lit. While the burner is lighting the red light will flash. When the burner has lit the red light will stop completely. The burner will now be lit at maximum heat input level. NOTE : If the power button is pressed for too long or too short a time or the grip on the handset is not firm or is released too soon, the lighting sequence will be interrupted and not complete. The reason for the remote control having this strict start sequence is for safety reasons so that the starting operation of the fire will be most unlikely to be done other than intentionally by an adult.

Fig. 1



## 5.4 OPERATING THE FIRE - REMOTE CONTROL MODELS (CONTINUED)

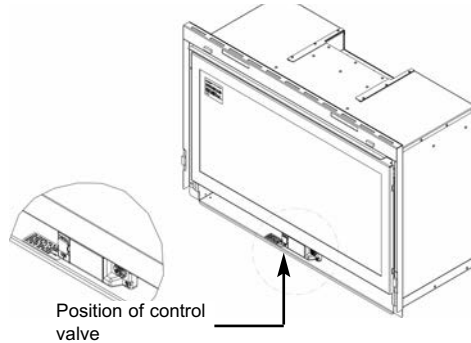
- 5.4.3 To decrease the heat input level of the burner hold the handset as described in section 5.4.1 to unlock the keypad then press the and release the - button. Pressing and releasing the - button will lower the heat input level one step at a time. Pressing the - button continuously will move the heat input level to the minimum. There is also a flame adjuster which is located on the burner unit control panel which slides from left to right. The left hand position gives maximum efficiency and output whereas the right hand position gives more flame but slightly less radiant glow.
- 5.4.4 To increase the heat input level of the fire's burner hold the handset as described in section 5.4.1 to unlock the keypad then press the and release the + button. Pressing and releasing the + button will increase the heat input level one step at a time. Pressing the + button continuously will move the heat input level to the maximum.
- 5.4.5 To turn the fire off hold the handset as described in section 5.4.1 to unlock the keypad then press and release the power button, the burner will then stop.
- 5.4.6 **If you are not intending to use the fire for a long period (i.e. over the summer months) the battery life can be extended by sliding the power isolator switch to the left (to the "0" position away from the "1" position) on the valve itself, which is located behind the trim on the fire.**
- 5.4.7 **In the event of loss of the remote handset, as a backup the fire can be controlled from the valve, which is located behind the ashpan cover on the fire, see section 5.5 for full manual operating instructions. If your fire does not operate manually please consult the troubleshooting chart on the rear page of this manual.**
- 5.4.8 If the handset is misplaced you can "page it" by pressing the (+) button only on the control valve on the fire for a period of 5 seconds. The handset will flash and make an audible noise to help you locate it. Once you find the handset with one hand ensure your hand is wrapped around the back and that your hand is in contact with both sides of the handset then the audible noise will cease. The flashing and sound will last for 60 seconds each time the handset is paged as described. If not found in 60 seconds page the handset again until located.

**IMPORTANT NOTE : THE BATTERIES SHOULD BE REPLACED WITH GOOD QUALITY ALKALINE BATTERIES WHEN REQUIRED, THE BATTERY LIFE IS EXPECTED TO BE A MINIMUM OF 12 MONTHS WITH NORMAL USAGE. FOR BEST PERFORMANCE BFM EUROPE RECOMMEND THE USE OF ENERGIZER BATTERIES WITH IT'S PRODUCTS.**

## 5.5 MANUAL OPERATION OF REMOTE CONTROL MODELS

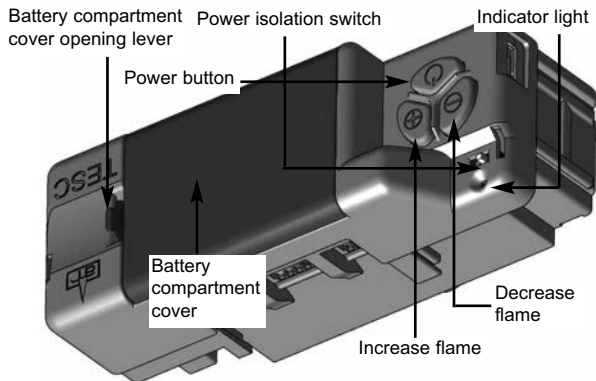
5.5.1 These products can therefore be operated manually should the need arise. The control valve is located at the base of the fire as shown below in figure 2.

Fig. 2



5.5.2 Ensure that the power isolation switch is in position “1” and the power indicator light is illuminated (red) as shown in figure 3 below.

Fig. 3





- 5.5.3 To operate the fire press and hold the “power” button as shown in figure 3 on the previous page for two seconds, release as soon as the red indicator light in figure 3 on the previous page illuminates. The burner will start its ignition sequence and light to the maximum heat input level.
- 5.5.4 To reduce the heat input, press and release the (-) button to lower the heat input level one step at a time. Pressing the (-) button continuously will move the heat input level to the minimum.
- 5.5.5 To turn the fire off, press the power button and the burner will stop.

**5.5.6 If you are not intending to use the fire for a long period (i.e. over the summer months) the battery life can be extended by sliding the power isolator switch to the left (to the “0” position away from the “1” position) on the valve itself, which is located behind the trim on the fire.**

## **5.6 REPLACING THE BATTERIES ON REMOTE CONTROL MODELS**

- 5.6.1 Remove the trim, locate the control valve battery cover at the centre of the burner, (see section 5.5) slide the power isolator switch to the “0” position (to the left).
- 5.6.2 Remove the battery cover and replace the 3 off AA batteries with good quality Alkaline items, BFM Europe recommend the use of “Energizer” batteries. **It is important that only an alkaline battery is used, otherwise premature battery failure and leakage may result.**
- 5.6.3 Replace the battery cover and turn the power isolator switch to the “1” position (to the right).
- 5.6.4 Replace the trim.
- 5.6.5 Fit two off AA batteries to the handset in the direction shown inside the handset moulded into the plastic.

## 5.7 CLEANING

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

### 5.7.1 CLEANING THE TRIM AND PAINTED METAL PARTS

The trim that is supplied for use with this product must be gently cleaned with a damp cloth only. **Abrasive cleaners, chemical cleaning agents or any type of polish must never be used as damage to the paint may result.**

### 5.7.2 CLEANING THE FUEL BED

We do not recommend cleaning the fuelbed other than at annual service intervals. If carbon or soot accumulates on the logs, this should be removed by carefully brushing the fuelbed using a soft brush. For instructions on how to remove the glass panel please see page 40. **The log set is made from a form of refractory ceramic fibre and should be handled carefully to avoid generating dust, as this may be harmful if inhaled. As with some fibrous materials, handling fibrous materials without gloves could cause skin irritation.**

**The fuelbed should never be washed or exposed to any cleaning agents or water.**

Any damaged parts must be replaced by contacting your dealer, whose details may be found on the BFM Europe website, address on the rear page. The log set must only be replaced with a genuine replacement and the fire must never be run with a different log set fitted.

The log set must be carefully reassembled as stated in pages 35-39.

### 5.7.3 CLEANING THE GLASS PANEL

To clean the glass panel, first ensure that the fire is cool, **please note that the glass panel will remain hot for a considerable period when the fire has been switched off.** Remove the glass frame assembly from the product as described on page 40. 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.

## 5.8 REMOVAL & RE-FITTING THE FUEL-BED LOGSET

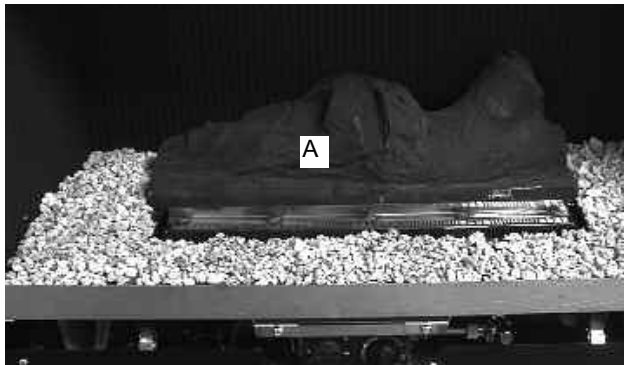
- 5.8.1 The gravel material should then be first layed around the base of the combustion chamber as shown below in figure 4, leaving the rear section as shown to allow the fitting of Log “A”



- 5.8.2 Place the largest Log “A” centrally onto the fuel-bed support behind the burner flame strip. Ensure that the fuel-bed Log “A” is located centrally in the firebox, and that the front edge is parallel with the rear face of the burner flame strip as shown below in figure 5.

**Fig. 5**

Fuel-bed  
Log “A” to be  
fitted behind  
burner flame  
strip



5.8.3 Fit Log “B” into position on left hand side of the fuel-bed base log “A” as shown below in figure 6, using the groove in Log “A” as a guide for placement.

**Fig. 6**



5.8.4 Fit Log “C” into position on left hand side of the fuel-bed base log “A” as shown below in figure 7, using the groove in Log “A” as a guide for placement.

**Fig. 7**



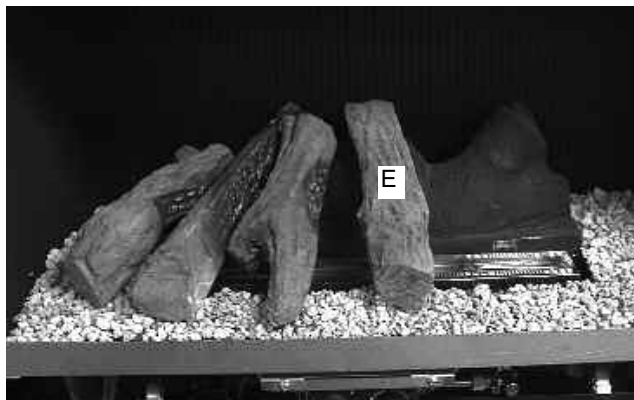
- 5.8.5 Fit Log “D” into position on left hand side of the fuel-bed base log “A” as shown below in figure 8, using the groove in Log “A” as a guide for placement.

**Fig. 8**



- 5.8.6 Fit Log “E” into position at centre of the fuel-bed base log “A” as shown below in figure 9, using the groove in the centre of Log “A” as a guide for placement.

**Fig. 9**



5.8.7 Fit Log “F” into position at right hand side of centre of the fuel-bed base log “A” as shown below in figure 10, using the groove in Log “A” as a guide for placement.

**Fig. 10**



5.8.8 Fit Log “G” into position at right hand side of the fuel-bed base log “A” as shown below in figure 11, using the raised section in the base log as a guide for position.

**Fig. 11**



**Warning :** 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.

## **IMPORTANT NOTE**

**HAVING FITTED THE GRAVEL MATERIAL IN THE BASE OF THE COMBUSTION CHAMBER, ENSURE THAT NONE OF IT IS ON THE BURNER FLAME STRIP OR IN THE PILOT ASSEMBLY. IF MATERIAL IS OBSERVED VISUALLY ON THESE COMPONENTS, REMOVE THE FUEL-BED LOGSET, REMOVE THE GRAVEL MATERIAL FROM THE BURNER AND OR PILOT AND RE-FIT THE LOGS AS DETAILED IN SECTION 5.8 ON THE PREVIOUS PAGES.**

**This appliance uses fuel effect pieces containing Refractory Ceramic Fibres (R.C.F.), which are man-made vitreous silicate fibres. Excessive exposure to these materials may cause temporary irritation to eyes, skin and respiratory tract. Consequently, it makes sense to take care when handling these articles to ensure that the release of dust is kept to a minimum. To ensure that the release of fibres from these R.C.F. articles is kept to a minimum, during installation & servicing we recommend that you use a HEPA filtered vacuum to remove any dust and soot accumulated in and around the fire, before and after working on the fire. When replacing these articles we recommend that the replaced items are not broken up, but are sealed within a heavy duty polythene bag, clearly labelled as “RCF waste”. This is not classified as “hazardous waste” and may be disposed of at a tipping site licensed for the disposal of industrial waste. Protective clothing is not required when handling these articles, but we do 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.**

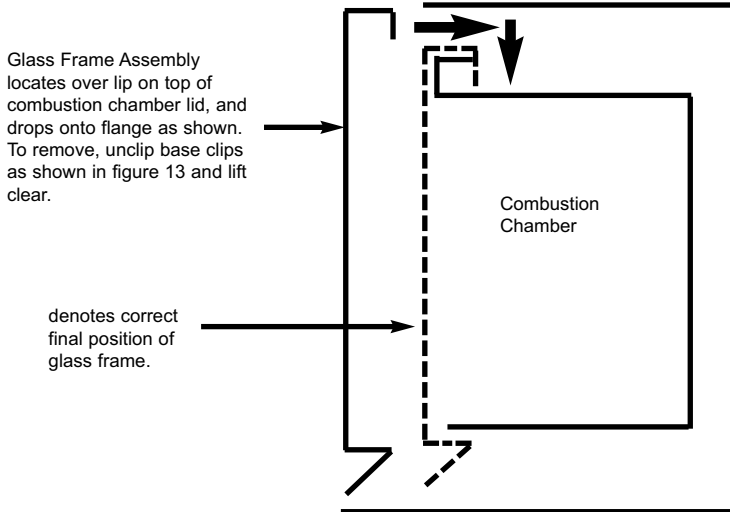
**This appliance does not contain any component manufactured from asbestos or asbestos related products.**

Refit the glass frame as detailed in section 5.9, then light the appliance as detailed in section 5.4 as applicable.

## 5.9 REMOVING / RE-FITTING THE GLASS FRAME ASSEMBLY

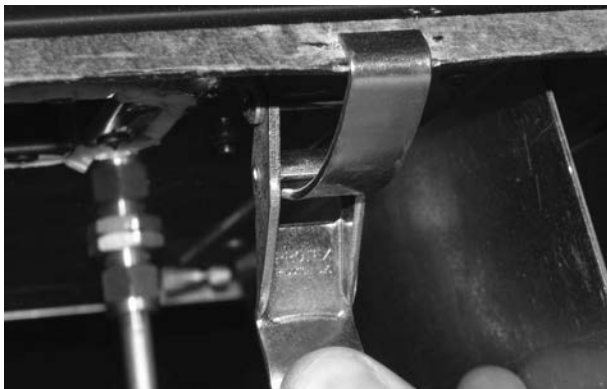
5.9.1 The glass frame is held in position by hooking the top flange over the combustion chamber opening at the top as shown in figure 12 below.

**Fig. 12**



5.9.2 The assembly is then secured to the bottom of the combustion chamber by the two hinge clamp brackets as shown below in figure 13. These are clamped together to form the seal between the glass frame assembly and the combustion chamber.

**Fig. 13**



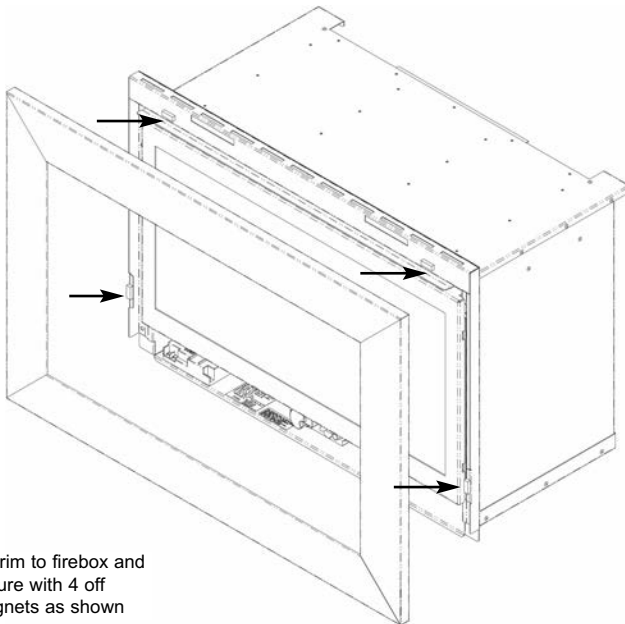


## 5.10 REMOVAL & RE-FITTING OF THE TRIM ASSEMBLY

**IMPORTANT NOTE** : The trim assembly of this product is a working surface and as such will become hot in use. Allow the product and trim to fully cool prior to attempting to remove it.

5.10.1 The trim is attached to firebox by 4 off magnets as shown below in figure 14.

**Fig. 14**



Fit trim to firebox and secure with 4 off magnets as shown

5.10.2 Ensure the trim is securely fitted to the fire.

## 5.11 USER REPLACEABLE PARTS

The only user replaceable parts on this fire are the fuelbed / log form, and the handset / gas valve batteries, which may be replaced as described in this manual. Replacement of any other parts must be carried out by a competent person such as a GAS SAFE registered gas installer.

The part numbers of the user replaceable parts are as follows, these are available from specialist spares stockists whose details can be found on our web site, [www.bfm-europe.com](http://www.bfm-europe.com), in the 'stockist' section.

Log Set B-109780

**Due to our policy of continual improvement and development the exact accuracy of descriptions and illustrations cannot be guaranteed**

**Part No. B-1028488  
Issue 2**



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