



# “GF 16” Inset Tray

**DECORATIVE FUEL EFFECT GAS FIRE**

**Installation, Maintenance & User Instructions**

**Hand these instructions to the user**

**Model No. GITC00MN is for use on Natural Gas (G20) at a supply pressure of 20 mbar in G.B. / I.E.**

**Model No. GITC00MP is for use on Propane Gas (G31) at a supply pressure of 37 mbar in G.B. / I.E.**

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This appliance is manufactured by :-

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

## SECTION 1 INFORMATION AND REQUIREMENTS

### 1.0 APPLIANCE INFORMATION

Model	GITC00MN
Gas Type	G20
Main injector (1 off)	Size 420 Cat 82
Pilot Type	Copreci 21100 / 141
Max. Gross Heat Input :	6.9 kW
Min. Gross Heat Input :	4.0 kW
Cold Pressure :	20.0 +/-1.0 mbar
Ignition :	Push-button Piezo
Electrode Spark Gap	4.0mm
Packed Weight	6kg

#### **Inset Tray Dimensions (with ceramic & coals fitted)**

Width :	380mm	
Height :	320mm	
Depth :	230mm	
Gas Connection :	8mm Compression	(Supplied with fire)

# 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. B.S. 5871 Part 3 Installation of Decorative Fuel Effect Gas Fires
2. B.S. 6891 Installation of Gas Pipework
3. B.S. 5440 Parts 1 & 2 Installation of Flues and Ventilation
4. B.S. 1251 Open fire place components
5. B.S. 715 Metal flue pipes for gas appliances
6. B.S. 6461 Part 1 Installation of Chimneys and flues
7. I.S. 813 : 1996 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 : 1996 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 of 125mm diameter minimum. Any metal flue boxes used must conform to BS 715. All flues must conform to the following minimum dimensions.

<b>Minimum diameter of circular flues (Class 1)</b>	<b>175 mm</b>
<b>Minimum diameter of circular flues (Class 2)</b>	<b>125 mm</b>

<b>Minimum effective height of Class 1 flue types</b>	<b>3 metres</b>
<b>Minimum effective height of Class 2 flue types</b>	<b>4 metres</b>

**Safe clearance of products must always be checked by carrying out a smoke match test as described.**

### 1.3 FIREPLACE / SURROUND SUITABILITY

The fire must only be installed on a hearth it **must not be installed directly onto carpet or other combustible floor materials.**

The fire is suitable for fitting to non-combustible fire place surrounds and proprietary fire place surrounds with a temperature rating of at least 150°C.

**If a heating appliance is fitted directly against a wall without the use of a fire surround or fire place all combustible material must be removed from behind the trim. Soft wall coverings such as blown vinyl, wall paper etc. could be affected by the rising hot air and scorching and/or discoloration may result. Due consideration should be made to this when installing or decorating.**

### 1.4 SHELF POSITION

The fire may be fitted below a combustible shelf providing there is a minimum distance of 200mm 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.

### 1.5 FLUE / CHIMNEY INSPECTION

Before commencing installation, a flue or chimney should be inspected to ensure that all the following conditions are satisfied.

1. Check that the chimney / flue only serves one fire place and is clear of any obstruction. Any dampers or register plates, other than those supplied on the cast front must be removed or locked in the open position.
2. Brick/stone built chimneys or any chimney or flue which has been used for an appliance burning fuel other than gas must be thoroughly swept. The base of the chimney / flue must also be thoroughly cleared of debris etc.
3. Any under-floor air supply to the fire place must be completely sealed off.
4. Ensure that the inside of the chimney / flue is in good condition along it's length and check that there is no leakage of smoke through the structure of the chimney during and after the smoke pellet test.
5. **Using a smoke pellet, check that there is an up-draught in the chimney / flue and that the smoke can be seen issuing from the terminal / chimney pot outside. There must be no leakage of smoke through the structure of the chimney during or after the smoke pellet test and it is important to check inside upstairs rooms adjacent to the chimney / flue.**

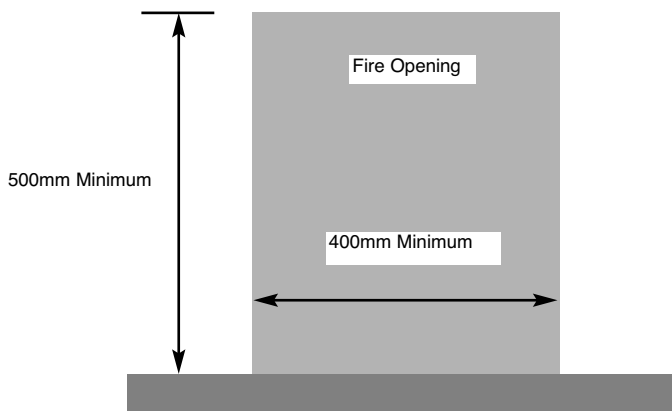
Check the chimney pot / terminal and general condition of the brickwork or masonry. If the chimney or flue is in poor condition or if there is no up-draught do not proceed with the installation. If there is a history of down-draught conditions with the chimney / flue, a tested and certificated flue terminal or cowl suitable for the relevant flue type should be considered.

6. **A spillage test must always be carried out during commissioning of the appliance.**

### 1.6 FIRE PLACE OPENING AND CHIMNEY CATCHMENT SPACE

The front opening of the fire place must be a minimum of 560mm wide, and 690mm minimum in height. If the opening exceeds these dimensions then a surround must be constructed from suitable non-combustible material to produce a correct size opening. Any surround must be suitably sealed to the fire place to prevent leakage. See below in fig.1

**Fig. 1**



When installing into a brick built chimney, you must ensure that there is sufficient depth to accommodate any debris which may fall from the chimney. This depth must be sufficient to accommodate 12 litres of volumetric space.

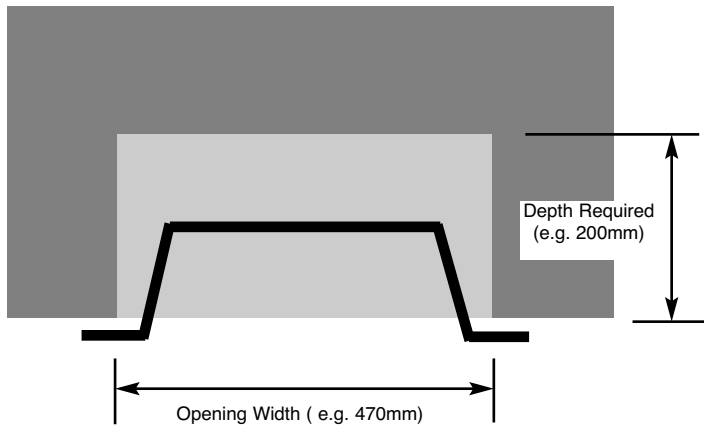
**Table A - Installation Depth Requirements for a Global “GF16” Inset Tray being installed requiring 12.0 litres of debris collection volume (fig. 2).**

Opening Width (mm)	Minimum Depth Required (mm)
470 (minimum opening width)	260

See fig. 2 below for explanatory diagram.

**Fig. 2**

**The fireplace opening depth can exceed 200mm, providing that when calculated, the void volume does not exceed 247 dm<sup>3</sup>**



## **1.7 FITTING TO FIREPLACES WITH EXISTING CHAIRBRICKS AND CONVENTIONAL BRICKBUILT CHIMNEYS**

This appliance is not suitable for use in fireplaces fitted with an existing chairbrick, when installing a cast iron fascia and surround. Any chairbrick must be removed prior to proceeding with the installation. If installing the tray on its own, the chairbrick can be left in position.

## **1.8 FITTING TO PRE-FABRICATED TWIN WALL METAL FLUE BOXES**

The appliance may be fitted to twin wall metal flue boxes conforming to the constructional requirements of BS 715, (for example the Ritevent LFE 175 box). The box must have a minimum flue diameter of 125mm internal and minimum internal dimensions of 300mm deep by 580mm high by 470mm wide. There are no maximum dimensional requirements for the box. The top face of the box must be insulated with a minimum thickness of 50mm of non-combustible mineral wool insulation or similar material. The flue box must stand on a non-combustible base of minimum thickness 12mm. Note : If fitting this product with a 175mm diameter flue liner, 3 metres minimum effective flue height is required, if fitting with a 125mm diameter flue liner, 4 metres minimum effective flue height is required.

## **1.9 HEARTHES**

This appliance must only be installed on to a concrete or non-combustible hearth. The hearth material must be a minimum thickness of 12mm with the top surface at least 50mm above the floor. The hearth must be fitted symmetrically about the fire opening and have a minimum width of 760mm and a minimum projection of 300mm forwards from the fire opening.

## **1.10 SPILLAGE MONITORING SYSTEM**

This appliance is fitted with an atmosphere sensing spillage monitoring system in the form of an oxygen sensing pilot. This is designed to shut the fire off in the event of a partial or complete blockage of the flue causing a build up of combustion products in the room in which the fire is operated. **The following are important warnings relating to this spillage monitoring system :-**

- 1) The spillage monitoring system must not be adjusted by the installer.
- 2) The spillage monitoring system must not be put out of operation.
- 3) When the spillage monitoring system is exchanged only a complete original manufacturers part may be fitted.



## SECTION 2 INSTALLATION OF FIRE

### 2.1 UNPACKING THE FIRE

Carefully lift the fire out of the carton. Remove the loose item packaging carefully from the front of the appliance. Check the contents as listed :-

#### Packing Check List - Coal Fuelbed Models

1off	Fire tray / burner assembly
1off	Boxed ceramic base, L/H & R/H ceramic front rails plus coals
1off	Coals bag, containing, 3 medium square coals, 2 small square, 11 small coals & 7 large coals - total of 23 coals packed in ceramics box
1off	Loose items bag.
1off	Installation / User book (Combined)

### 2.2 INSTALLING THE TRAY

Establish which type of flue you are intending to install the fire in to :-

**225 x 225mm (9 inch x 9 inch) brick built chimneys**

**175mm (7 inch) diameter lined brick or stone flue, or insulated pre-fabricated metal flue box to B.S. 715. (minimum effective flue height 3 metres)**

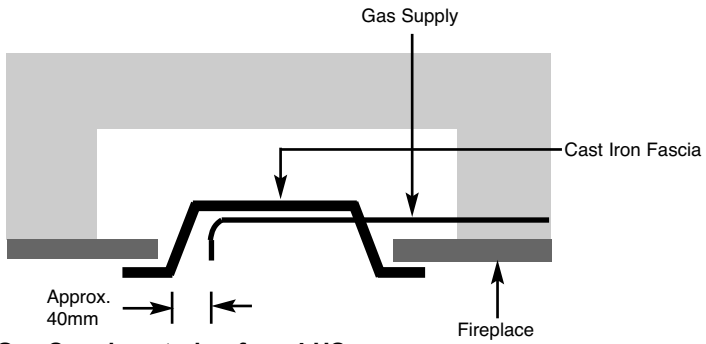
**125mm (5 inch) diameter brick or stone flue, or insulated pre-fabricated metal flue box to B.S. 715. (minimum effective flue height 4 metres)**

**A spillage test must always be carried out to check satisfactory clearance of flue products, regardless of the type of flue the appliance is being fitted to.**

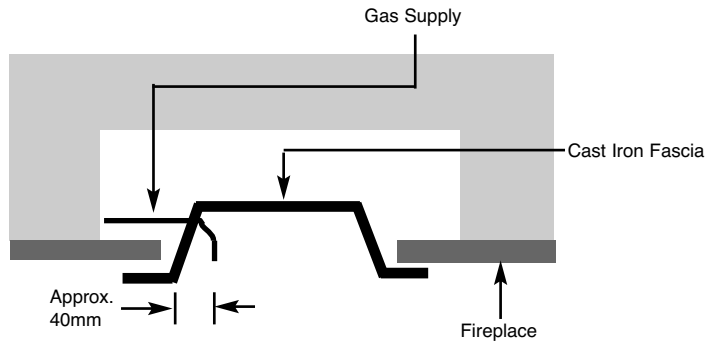
**To Install the Fire Proceed as follows :-**

- a) Carefully place the burner tray in the opening in the arch cast iron fascia.
- b) Trial fit the two front ceramic rails onto the burner front ceramic support - see page 12, section a). Then fit the front bars of the tiled fascia (if applicable). This will allow you to ascertain the position of the burner tray. Mark the centres of the two fixing holes, which are located in the front flange, below the control knob / piezo button on the burner tray.
- c) Whilst the fire is in position, decide which side the gas supply is to enter the fire from and plan accordingly. The inlet elbow can be loosened and rotated if necessary. See Fig. 3 & 4 overpage for suggested pipe routes.

**Fig. 3 Gas Supply entering from RHS**



**Fig. 4 Gas Supply entering from LHS**



- d) Carefully withdraw the fire base from the opening to enable the gas supply and fire fixing to be completed.
- e) Drill 2 off fixing holes as marked out in section b) to accommodate 2 off no. 10 or 12 rawl plugs
- f) Fit the rawl plugs (supplied)

g) **Making the gas connection**

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

h) Lift the firebase in to position and secure the base of the fire opening with the two screws provided, ensure when fitted that the fire tray sits level.

i) 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 correctly purge the pipework will invalidate the guarantee**

**2.3 GAS TIGHTNESS AND INLET PRESSURE**

a) Remove the pressure test point screw from the inlet elbow and fit a manometer.

b) Turn on the main gas supply and carry out a gas tightness test.

c) Depress the control knob and turn anti-clockwise to the position marked ignition / low. Hold in the control knob for a few seconds to purge the pipe work then press the igniter button. The burner should light, continue to hold the control knob for a few seconds then turn to the full-on position.

d) Check that the gas pressure is **20.0 mbar (+/- 1.0mbar) 8.0 in w.g.(+/- 0.4 in w.g.) for Natural Gas Models**

e) After removing the manometer, ensure that the pressure test point screw is checked for gas tightness with suitable leak detection spray or fluid.

## SECTION 3 ASSEMBLING FUEL-BED AND COMMISSIONING

### 3.1 ASSEMBLING THE FUEL-BED

**NOTE :** The position of the fuel-bed components are critical to the performance of the product. Therefore please ensure that the fuel-bed components are positioned as described in the following section prior to requesting a service call due to soot build up, poor flame pattern etc.

- a) Position the two halves of the ceramic front rail onto the support as shown below in Fig. 5

Fig. 5



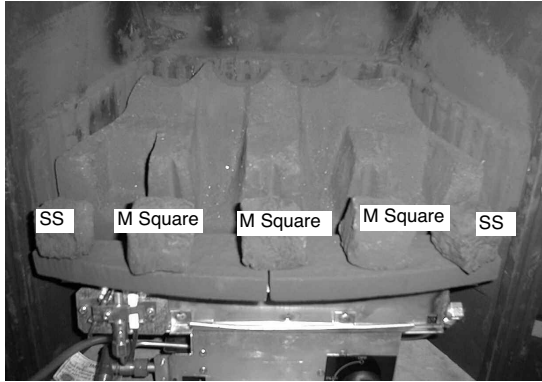
- b) Place the fuelbed base centrally on to the fuelbed support and push fully backwards to the rear face of the cast iron back panel. **Make sure that the fuelbed base is located centrally on the burner tray.** See Fig. 6 below.

Fig. 6



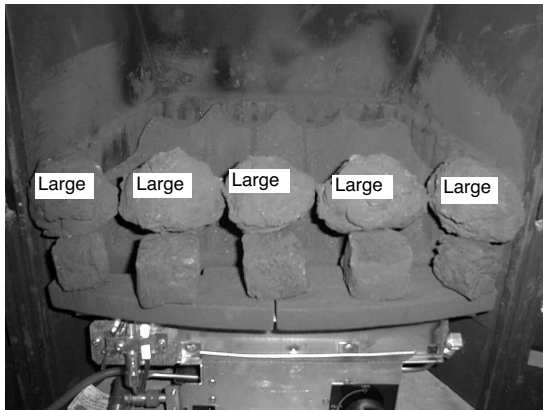
- c) Fit three off medium and two off small square coals as shown in position on the front ceramic rails, see Fig. 7 below.

**Fig. 7**



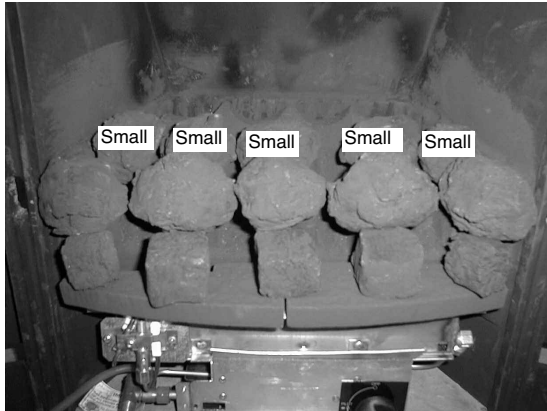
- d) Fit five off large coals into the recess's behind the front row of coals, as shown below in Fig. 8

**Fig. 8**



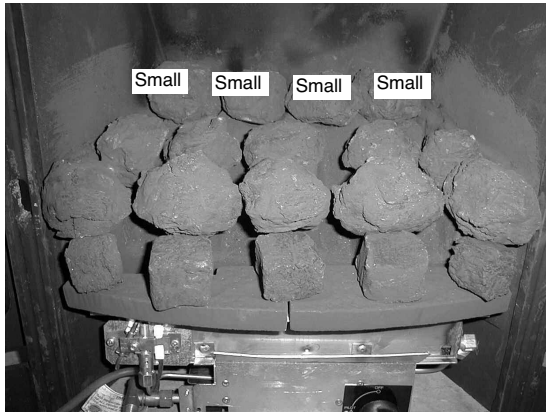
- e) Fit five small coals behind the second row of coals as shown below in Fig. 9

**Fig. 9**



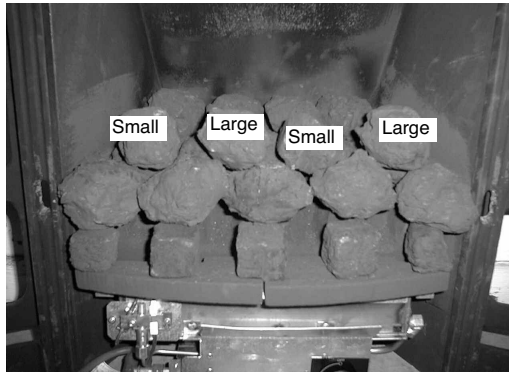
- f) Fit four small coals on the back row as shown below in Fig. 10

**Fig. 10**



- g) The remaining two large and two small coals should be placed at each end of the third row of coals as shown overpage in Fig. 11

**Fig. 11**



**The exact position and fit of the coals may be finely adjusted to give the best appearance.**

**Warning : Use only the coal set supplied with the fire. When replacing the coals remove the old coals and discard them. Fit a complete set of coals of the correct type. Do not fit additional coals or any coals 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.**

### **3.2 LIGHTING THE APPLIANCE**

- a) Turn on the gas isolation tap.
- b) Depress the control knob and turn anti-clockwise to the position marked pilot. Hold in the control knob for a few seconds to purge the pipe work.
- c) Continue to hold-in the control knob and press the igniter button. If the burner does not light, continue to press the igniter button until ignition occurs. Continue to hold the control knob for 5-10 seconds to allow the thermocouple to heat up, if the pilot goes out when the control knob is

- released, repeat the lighting sequence.
- d) Turn the control knob in the anti-clockwise direction to the high position and the main burner will light.
  - e) Turn the control knob clockwise to the low position and the gas input will be reduced to the minimum setting.
  - f) Slightly depress the control knob and turn to the pilot position, the main burner will go out but the pilot will remain lit.
  - g) Slightly depress the control knob and turn to the off position, the pilot will now be extinguished.

**WARNING : If the fire goes out for any reason or is turned off and it is necessary to re-light the fire it is important to allow the fire to cool for 3 minutes before attempting to re-light it**

### **3.3 CHECKING FOR CLEARANCE OF COMBUSTION PRODUCTS**

- a) Close all doors and windows in the room.
- b) Light the fire and allow to run for approximately 5 minutes on high position.
- c) 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. (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.
- d) 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.
- e) If there is an extractor fan fitted anywhere in the vicinity of the appliance, or in adjacent rooms the spillage test should be repeated with the fan running on maximum and all interconnecting doors open.
- f) 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. At this stage any minor adjustments to the coals should be made using suitable long handled tongs and taking care not to damage the coals.  
Finally, hand the Installation and Maintenance Instructions and the Users Instructions over to the customer and explain the operation of the fire.



## SECTION 4 MAINTENANCE

### Servicing Notes

Servicing should be carried out annually by a competent person such as a GAS SAFE registered engineer. **This is a condition of the BFM Europe guarantee schemes.**

The service should include visually checking the chimney and fire opening for accumulations of debris and a smoke test to check for a positive up-draught in the chimney.

The condition of the coals should be checked and **if necessary the whole set should be replaced with a genuine replacement set.**

The burner assembly is designed to be removed as a complete unit for ease of access. **After any servicing work a gas tightness check must always be carried out. All sections apply for coal fuelbed model variants.**

### For Diagrams refer to Section 2

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

4.1.1 Prepare work area (lay down dust sheets etc.)

4.1.2 Remove the front bars / ash pan cover and put them in a safe location. Remove the loose coals from the fuel bed. Remove the fuelbed matrix & ceramic front rails.

4.1.3 Isolate the gas supply and remove the inlet pipe from the appliance inlet elbow. Unscrew and remove the two screws which retain the burner at the base. Remove the burner assembly from the fire.

4.1.4 To refit the burner assembly. Push the burner to locate against the rear panel of the cast and secure the burner at the base of the control panel with two screws. Refit the gas supply pipe and carry out a gas tightness test. The ash pan cover and front bars can now be re-positioned.

#### 4.2 Removing the Piezo Igniter

4.2.1 Remove the burner assembly as in section 4.1

4.2.2 Disconnect the ignition lead from the piezo and unscrew the retaining nut on the rear of the control panel. Withdraw the piezo from the front of the control panel. Re-assemble in reverse order and carry out a gas tightness test. Ensure the heatshield is re-fitted.

### 4.3 Removing the Control Tap from the fire.

- 4.3.1 Remove the burner assembly as in section 4.1.
- 4.3.2 Pull the control knob off the control tap spindle.
- 4.3.3 Loosen and remove the two gas pipe retaining nuts from the control tap and release the ends of the gas pipes from the control tap body. Remove the screw in thermocouple from the end of the control tap.
- 4.3.4 Unscrew the control tap locknut from the front of the control panel and remove the control tap.
- 4.3.5 To refit a control tap, reassemble in reverse order noting that the control tap locates with a flat in the control panel. Carry out a gas tightness test after re-assembly.

### 4.4 Removing the Oxy-Pilot Assembly

**Note : Because this appliance is fitted with an atmosphere sensing 'Oxy-Pilot' it is not possible to replace the thermocouple separately, because the thermocouple position is factory set to a tight tolerance. Any replacement of parts on the pilot requires a complete new pilot assembly.**

- 4.4.1 Remove the burner assembly as in section 4.1
- 4.4.2 Remove the burner heat shield which is held in position by 2 screws.
- 4.4.3 Unscrew and remove the thermocouple retaining nut from the end of the control tap and disconnect the ignition lead from the pilot electrode.
- 4.4.4 Unscrew and remove the two pozi-driv screws which secure the pilot assembly to the burner. Remove the pilot.
- 4.4.5 Re-assemble in reverse order and carry out a gas tightness test.

### PARTS SHORTLIST

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 main replaceable parts are as follows, these are available from BFM Europe. (see rear page for contact details)

Coal Pack	B-87350	Coal Fuelbed Matrix	B-87340
L/H Ceramic Front Rail	B-87300	R/H Ceramic Front Rail	B-87310
Gas Valve	B-102880		
Piezo Igniter	B-1320		
Ignition Wire	B-39030		

## SECTION FIVE - USER INSTRUCTIONS

### 5.1 About your Global “GF16” Inset Tray

The Global “GF16” Inset Tray incorporates a unique and highly developed fuel bed which gives the realism of a loose coal layout combined with realistic flames and glow. The use of durable ceramic material in the construction of the fuel-bed components ensures long and trouble free operation.

When first using the new fire a slight smell may be noticed. This is due to starch used in the manufacture of the soft ceramic coals or pebbles, it is non-toxic and 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.

### IMPORTANT SAFETY INFORMATION

#### WARNING

**This appliance has a naked flame 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 gas installer and that during the service the fire is removed from the fire opening and the chimney or flue visually checked for fallen debris or blockages which must be removed. The chimney should also be checked to ensure clearance of flue products. **These are conditions of the manufacturers guarantee. After installation or during servicing a spillage test must always be carried out.**

Rubbish of any type must NEVER be thrown onto the fuel-bed, this could affect safe operation and damage the fire.

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 coals must be used and only complete and genuine replacement sets must be sourced from D.F.A.. Ltd (See rear cover of this book for contact details)

The appliance must only be used with the coal set supplied and must not be used with other coals.

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. The fire must only be operated with the cast surround supplied with the fire.**

## **5.2 Operating the Fire**

To light the fire proceed as follows:-

- 1) Depress the control knob and turn anti-clockwise to the position marked pilot. Hold in the control knob for a few seconds to allow the gas to reach the pilot.
- 2) Continue to hold-in the control knob and press the igniter button. If the pilot does not light, continue to press the igniter button until ignition occurs. When the pilot has lit, continue to hold the control knob in for 5-10 seconds to allow the thermocouple to heat up, if the pilot goes out when the control knob is released, repeat the lighting sequence.

In the unlikely event of a failure of the igniter, the fire can be lit as follows :-

Depress the control knob and turn anti-clockwise to the position marked pilot. Hold in the control knob for a few seconds to allow the gas to reach the pilot. Insert the tip of a lit taper in behind the front ceramic coals on the left hand side. This will light the pilot flame. When the pilot has lit, continue to hold the control knob in for 5-10 seconds to allow the thermocouple to heat up, if the pilot goes out when the control knob is released, repeat the lighting sequence.

- 3) After lighting, turn the control knob in the anti-clockwise direction to the high position and the main burner will light. It is recommended that for most efficient performance the fire is allowed to warm up for a few minutes with the gas control on maximum.
- 4) The gas control can be turned clockwise from the maximum position to give the desired heat output.

### **WARNING**

**If the fire goes out for any reason or is turned off and it is necessary to re-light the fire it is important to allow the fire to cool for 3 minutes before attempting to re-light it.**

### **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. 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. **In the event of repeated operation a GAS SAFE registered gas installer must be called to investigate and rectify the cause.**

### 5.3 Cleaning - WARNING

Before attempting any cleaning operation ensure that the fire has been allowed to fully cool. Black painted metal parts should be gently cleaned with a damp cloth.

#### Cleaning the Fuelbed

We do not recommend cleaning of the coals 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 BFM Europe (See rear cover of this book for contact details).

The coals must only be replaced with a complete and genuine replacement set and the fire must never be run with the wrong number or damaged coals. The fuel-bed must be carefully re-assembled as stated in section 3.1

**Note : Prior to replacing the oxypilot on this product due to suspected failure of the component, please remove all debris that has collected on the lint guard of the oxypilot itself.**

#### USER REPLACEABLE PARTS

The only user replaceable parts on this fire are the fuelbed components and coals which may be replaced as described in the above section. 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 BFM Europe (See rear cover of this book for contact details).

Coal Pack	B-87350	Coal Fuelbed Matrix	B-87340
L/H Ceramic Front Rail	B-87300	R/H Ceramic Front Rail	B-87310

## 5.4 Replacing the Fuel-bed & Ceramics

**NOTE :** The position of the fuel-bed components are critical to the performance of the product. Therefore please ensure that the fuel-bed components are positioned as described in the following section prior to requesting a service call due to soot build up, poor flame pattern etc.

- a) Position the two halves of the ceramic front rail onto the support as shown below in Fig. 11

Fig. 11



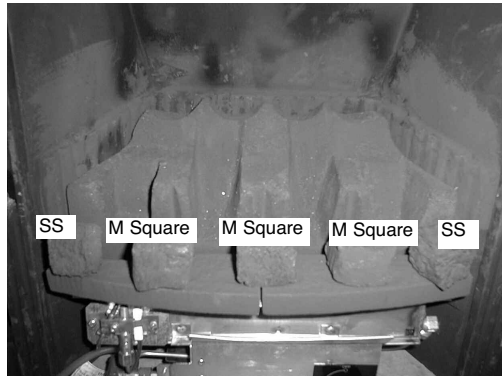
- b) Place the fuelbed base centrally on to the fuelbed support and push fully backwards to the rear face of the cast iron back panel. **Make sure that the fuelbed base is located centrally on the burner tray.** See Fig. 12 below.

Fig. 12



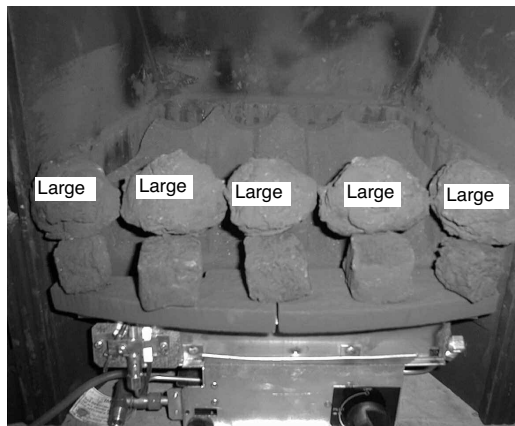
- c) Fit three off medium and two off small square coals as shown in position on the front ceramic rails, see Fig. 13 below.

**Fig. 13**



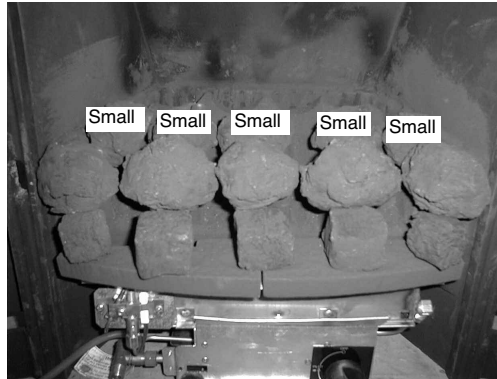
- d) Fit five off large coals into the recess's behind the front row of coals, as shown below in Fig. 14

**Fig. 14**



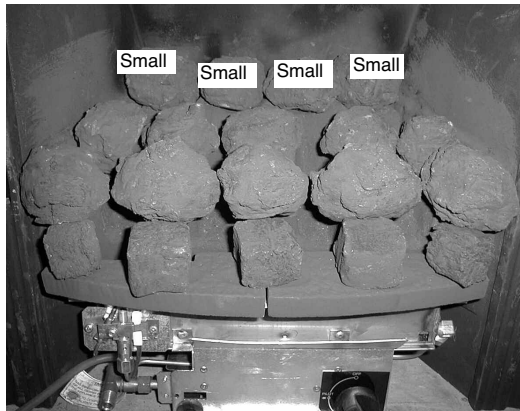
- e) Fit five small coals behind the second row of coals as shown below in Fig. 15

**Fig. 15**



- f) Fit four small coals on the back row as shown below in Fig. 16

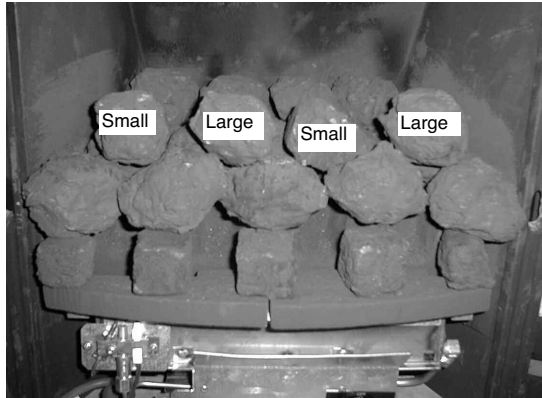
**Fig. 16**



- g) The remaining two large and two small coals should be placed at each end of the third row of coals as shown overpage in Fig. 17



**Fig. 17**



**The exact position and fit of the coals may be finely adjusted to give the best appearance.**

**Warning : Use only the coal set supplied with the fire. When replacing the coals remove the old coals and discard them. Fit a complete set of coals of the correct type. Do not fit additional coals or any coals 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.**

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

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