



# CHESNEY'S

USER AND INSTALLATION INSTRUCTIONS

## ALCHEMY GFL850URN



THE WORLD'S LEADING SUPPLIER OF LUXURY FIREPLACES

[www.chesneys.co.uk](http://www.chesneys.co.uk)

GFL850URN\_V1



Technical Manual  
PIN: 0558CO1462

### User and Installation Instructions

Model No. GFL850URN



**IMPORTANT:**

**Please read these instructions carefully before installation or use.**

These instructions are only valid if the following country code is on the appliance. If this code is not present on the appliance, it is necessary to refer to these technical instructions which will provide the necessary information concerning the modification of the appliance to the conditions of use for the country.

This appliance must be installed and serviced by a qualified person in accordance with local and national regulations.

The flue system must be installed and inspected by a qualified person in accordance with local and national regulations.

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# 1. Unpacking

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

If satisfied by the condition and the contents is as specified, proceed with the installation.

The installation should only be carried out by a competent person and all gas work must be carried out by a Gas Safe registered person in accordance with national and local regulations for both gas and electricity (If required).

The installation must comply with local and national building regulations.

For the Republic of Ireland, reference should be made to IS813 and ICP3 and any guidance notes from Bord Gais.

Failure to comply with the regulations nullifies ALL guarantees.

## Parts

Fig. 1 Glass Fronted Appliance



Fig. 2 Installation Manual / Warning Label



Fig. 3 Bronze Urn



Fig. 4 Interior Panels



Fig. 5 Frame

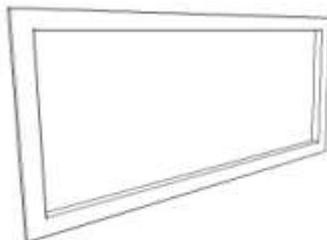


Fig. 6 4mm Ball Head allen Key



Fig. 7 Smoke Match Holder



Fig. 8 Remote Control Handset



Fig. 9 Pressure Test and Isolation Valve



## 2. Technical Data

Gas Type	Natural Gas
Gas Connection Size	8.0mm O.D. tubing
Pilot Assembly	Seagas P4-41
Control System	Mertik Maxitrol GV60 (Radio Frequency)
Appliance Mass Range (kilograms)	

Gas Type	Gas Category, Type and Supply Pressure	Countries of Destination																
		AT	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HR	IE	IT	LT
NG	I <sub>2H</sub> - G20 at 20mbar	✓	✓	✓		✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓

Gas Type	Gas Category, Type and Supply Pressure	Countries of Destination									
		LU	LV	NO	PL	PT	RO	SE	SI	SK	TR
NG	I <sub>2H</sub> - G20 at 20mbar		✓	✓		✓	✓	✓	✓	✓	✓

Appliance	Gas Type	Gas Category, Type and Supply Pressure	Injector (1 per appliance)		Nominal Heat Input kW, (Gross)	Gas Rate m <sup>3</sup> /h	Burner Pressure (mbar)	Efficiency Class
			Marking	Size (Single hole)				
GFL850Urn	NG	I <sub>2H</sub> - G20 at 20mbar	1.80	1.8mm	5.80	0.552	17.9	2

Appliance	Efficiency	
	Net %	Gross %
GFL850Urn	74.7	67.3

Appliance	NO <sub>x</sub> Class	NO <sub>x</sub> Concentration / Limits mg/kWh
GFL850Urn	5	100

### 3. Installation Parameters

This appliance must be installed in accordance with the rules in force, and used only in a sufficiently ventilated space. Consult instructions before installation and use of this appliance.

NOTE - Wear protective clothing when fitting or carrying works out on the appliance.

For your safety it is law that all gas appliances must be installed by a competent person, in accordance with the current gas safety regulations applicable in the country of use.

The installation must be carried out in accordance with the relevant local and national specifications and comply with current Building Regulations.

If there is any conflict between these instructions and the current regulations, then the current regulations are to be followed.

**NOTE** - The flue must not be shared with any other appliance.

If the chimney has been used for solid fuel, the chimney must be swept before installation.

The flue must be fitted in accordance with local and national regulations.

Damper plates or restrictor plates must not be fitted in the flue.

The flue system must be in good condition, meet all regulations and work correctly.

The flue must be inspected by a competent person and passed for use with the appliance.

It is advised that a flue specialist inspect the flue system on an annual basis to ensure that the flue system is sound and the combustion products outlet (terminal) is clear of obstruction.

The flue kit should only be fitted to the appliance where the chimney serving the appliance:

- a) Has passed a flue flow test to ensure that the flue is sound and without leaks; and
- b) Has been swept if previously used for solid fuel.

The flue kit shall not be fitted to chimney that is likely to have problems with condensation, i.e. a length in excess of 12m internal or 10m external to the building.

Do not install the appliance in a bathroom or a room that contains a bath or shower.

It is advised that provisions be made for the removal of the appliance without the need to dismantle the flue system.

Before installation, ensure that the local distribution conditions (identification of the type of gas and pressure) and the adjustment of the appliance are compatible.

Before the appliance is installed, the flue / chimney must be inspected to ensure that it is structurally sound and free from obstructions.

Ensure the builders opening and supports are made of non combustible and heat resistant material.

Do not cover the appliance and or do not wrap it in an insulation blanket or any other material

Do not make any changes to the appliance.

The gas connection must be in accordance with local and national regulations.

This appliance is intended for use on a gas installation with a governed meter.

The pilot fitted to this appliance is not to be adjusted or put out of action. If the pilot is damaged or faulty it should be replaced only with the original identical unit supplied by Chesney's Limited.

### **WARNING - SPILLAGE MONITORING SYSTEM**

The appliance is fitted with a thermostatic switch (TTB), which is located in close proximity to the draught diverter and operates to shut the appliance off if the evacuation of combustion products is interrupted (for example caused by lack of flue pull or flue blockage). The TTB **MUST NOT** be adjusted, modified or put out of action by the installer. The TTB **MUST NOT** be removed or 'bridged out' for any reason. If the TTB is faulty and requires replacement, only genuine Chesney's parts should be used.

When using stone like materials and or plaster finishing, the chimney breast should dry for at least 6 wks to prevent cracks.

The appliance is not fitted with an integral guard. It is recommended that a guard be used for the protection of young children, the elderly or infirm and also for normal use conforming to BS8423:2002, such that access to the hot appliance is minimised.

Do not place combustible materials directly in front of the appliance. Floor coverings, such as carpets, are considered to be acceptable provided there is a gap of at least 225mm between the top of the carpet and flame. Where no floor covering is present, it must be at least 300mm from the finished floor to make allowances for any carpet or combustible floor covering which may be fitted at a later date.

In case of a damaged or broken glass, do not use the appliance and isolate the gas to the appliance.

Clean the glass before you use the appliance in order to prevent dirt from burning on the glass.

All appliances are supplied with a metal data plate attached to it and must remain with the appliance for annual services.

The data plate is attached to a chain (see fig.11) and is placed in the air slot on the base of the appliance (see fig. 10)

**NOTE: DO NOT attempt to remove the data plate while the appliance is HOT!**

Fig. 10



Fig. 11



## 4. Construction Information

### Hearths

The appliance does not require a hearth if the flame or any incandescent surface is more than 225mm above any floor covering or 300mm with no floor covering.

Any lower than this a hearth conforming to national regulations is required.

### Emissions Exit Connection Types

The minimum chimney height is 2 meters from the spigot.

A smoke pellet can be used to test the flue for effectiveness of the draw, light the smoke pellet and place to the base of the chimney / liner. Check other parts of the dwelling (including loft areas) for leakage, down draught etc. If the smoke is drawn into the chimney / liner without problem, continue with the installation.

If there is little or no flow into the chimney preheat the chimney and repeat the smoke test. If there are still issues with the draw seek expert advice.

NOTE – The smoke test gives a fair idea on the draw, but is no guarantee that the products of combustion from the appliance will clear. A spillage test is also required after the installation.

If spillage occurs after installation a flue liner may be required.

### Conventional Class 1 Chimney

Fig. 12

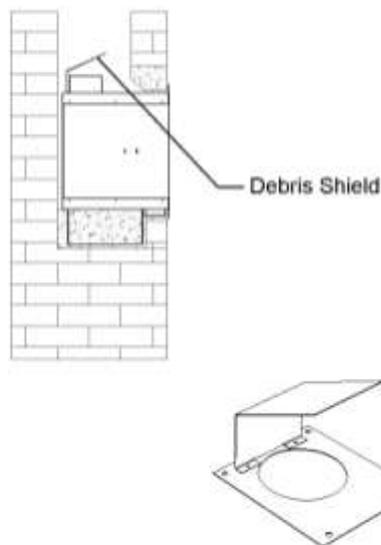


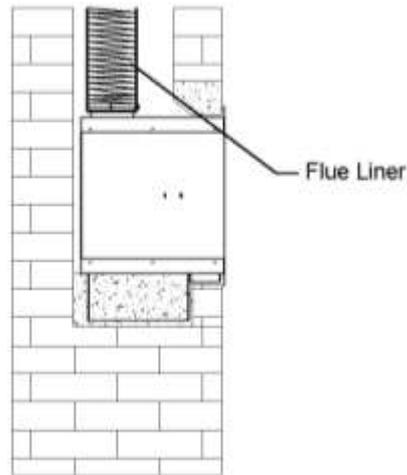
Fig. 13



### IMPORTANT NOTE -

If the appliance has been installed in a conventional Class 1 chimney with no liner the debris shield must be used (see fig. 12) and the warning label (supplied in the manual) must be fixed to the back of the data plate. (see fig.13)

Fig. 14 **4" (102mm) Flue Liner**



If the appliance is fitted with a flue liner the debris shield will not be required (see fig.14).

NOTE – Leave enough flue length to allow connection. The minimum flue liner is 2 meters from the spigot.

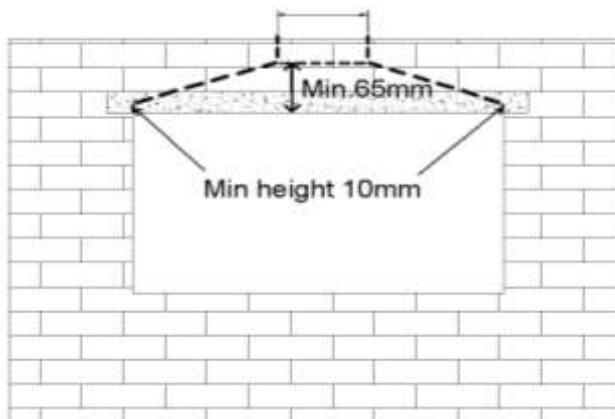
**The Builders Opening**

Use non combustible heat resistant materials for the chimney breast, including the top of the chimney breast, the material in the chimney breast and the back wall of the chimney breast. The construction must comply with all relevant regulations.

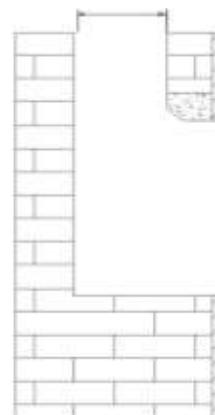
The appliance can be used with a sound Class 1 unlined flue with a minimum diameter of 7" (178mm). If the appliance is used with a lined chimney the minimum flue diameter must be 6" (152.4mm) or above to accommodate the 4" liner. (see fig. 15)

Fig. 15

Min 7" unlined / Min 6" lined



Min 7" unlined / Min 6" lined

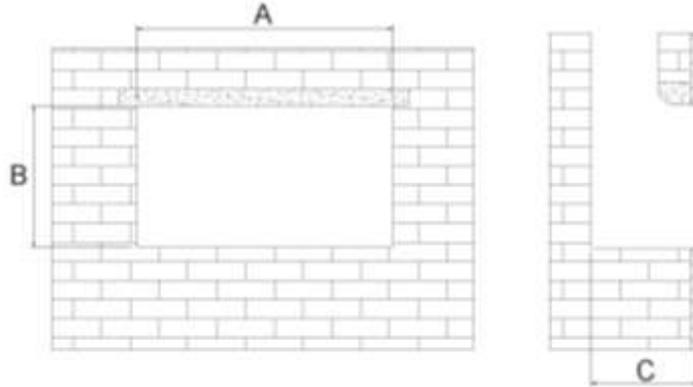


Start with a builders opening. C is including plaster and skimming (see fig.16)

Appliance	A	B	C	D	E (Page11)
GFL850Urn	910mm	520mm	355mm	65mm	120mm

Fig. 16 Front elevation

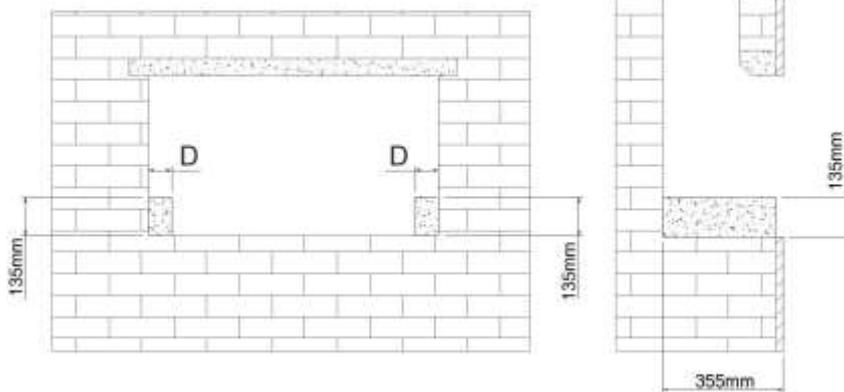
Side elevation



The appliance supports are approx. (For measurement 'D' See table above) Height 135mm x Depth 355mm (Including plaster and skimming) (see fig.17)

Fig. 17 Front Elevation

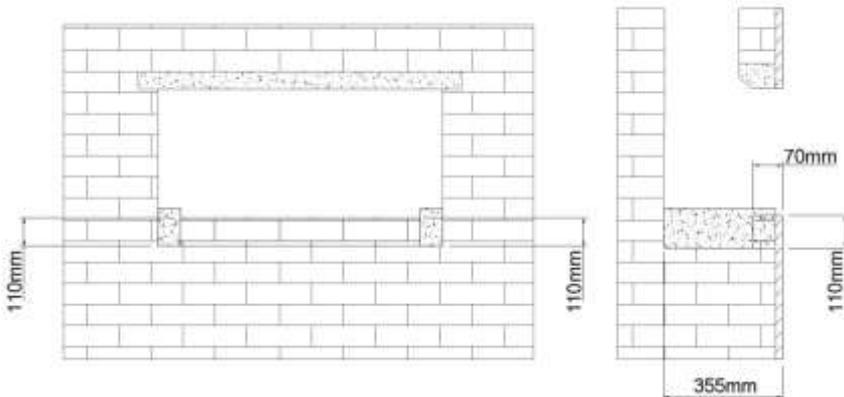
Side Elevation



The front filling is approx. Height 110mm x Depth 70mm including plaster and skimming (see fig.18)

Fig. 18 Front Elevation

Side Elevation



## Gas Route

For your safety it is law that all gas appliances must be installed by a competent person, in accordance with the current Gas Safety regulations applicable in the country of use.

Ensure that the gas supply is capable of delivering the required amount of gas, and is in accordance with the rules in force.

When laying the gas pipe work check the fire unit's gas inlet location to ensure a smooth run.

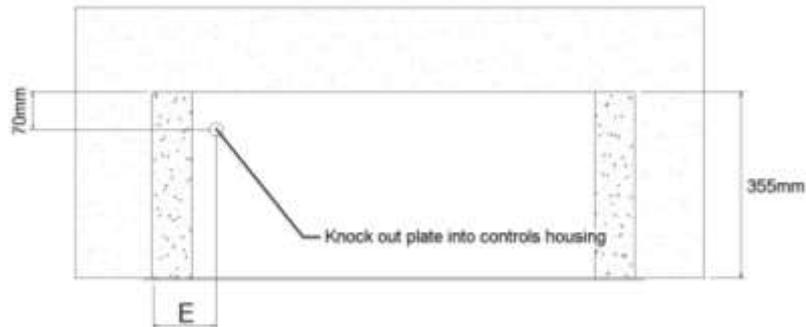
Lay the appliance in the desired area to note where the appliance's gas inlet location to ensure a smooth run.

For ease the gas is best run to the left side of the appliance.

An isolation valve or valves must be fitted near to the appliance in an accessible area, meeting all local and national regulations this is to allow the complete removal of the burner control assembly, for maintenance or repair.

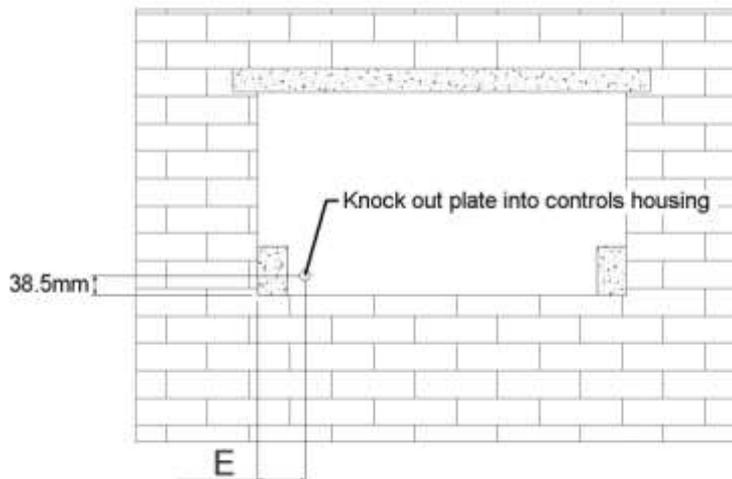
The best route for the gas is through the base of the appliance to the position shown in fig.19. (For measurement 'E' See table on page 10)

Fig. 19 Top Elevation



If routed through the back of the appliance the position of the knock out plate is shown in fig. 20. (For measurement 'E' See table on page 10)

Fig. 20 Front Elevation

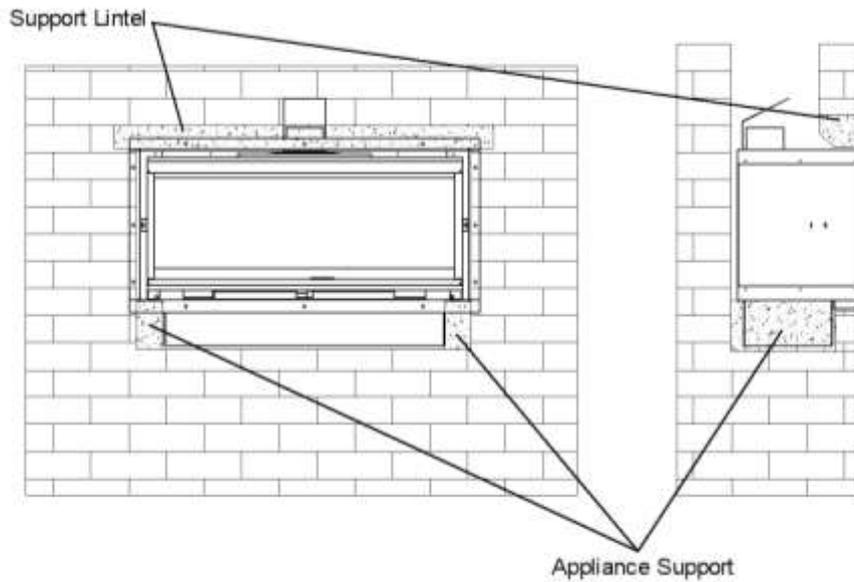


**Note – This appliance must not be used as part of the wall support structure. Supports are to be made (see fig. 21) to ensure the appliance does not rest on the lower tray, leave a gap of at least 20mm under the controls housing, 10mm around the sides, top and at least 15mm at the back. This space is for the collection of debris.**

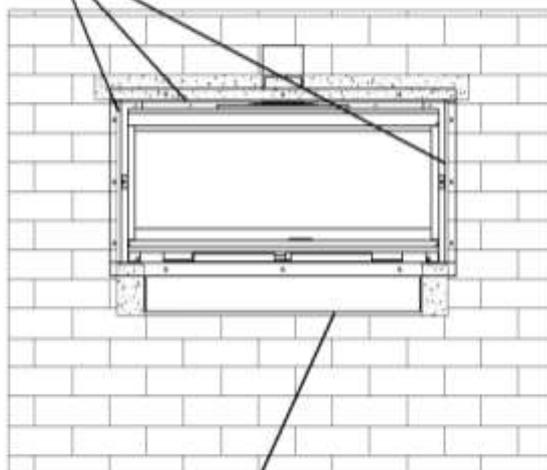
Fig. 21

Front Elevation

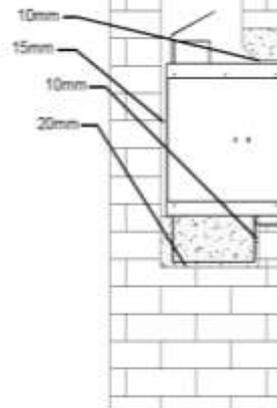
Side Elevation



Gap of at least 10mm



Gap of at least 20mm

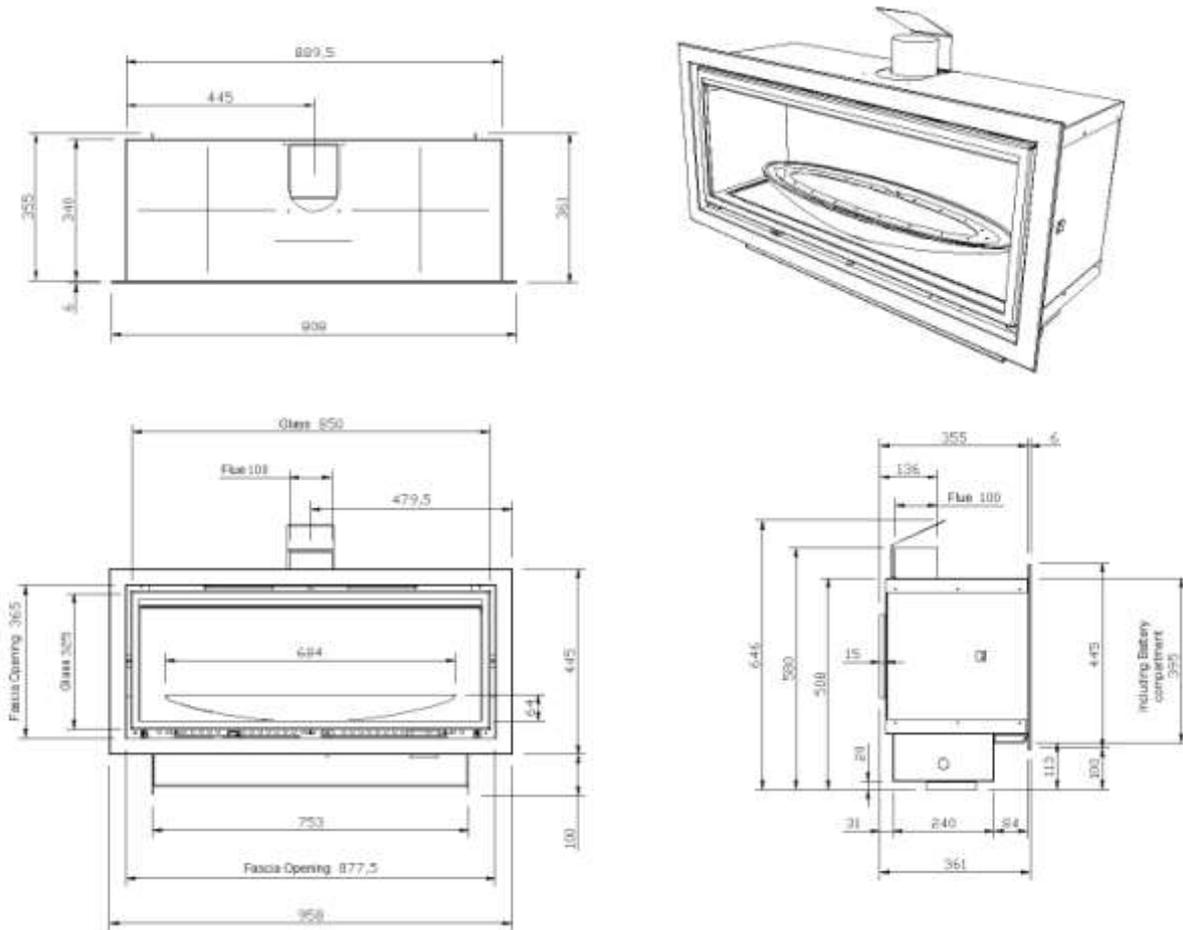


Make sure that the appliance is not carrying the weight of the chimney breast.

## 5. Appliance Details

### GFL850Urn

Fig. 22



**IMPORTANT NOTE** – Allowances must be made for the battery compartment

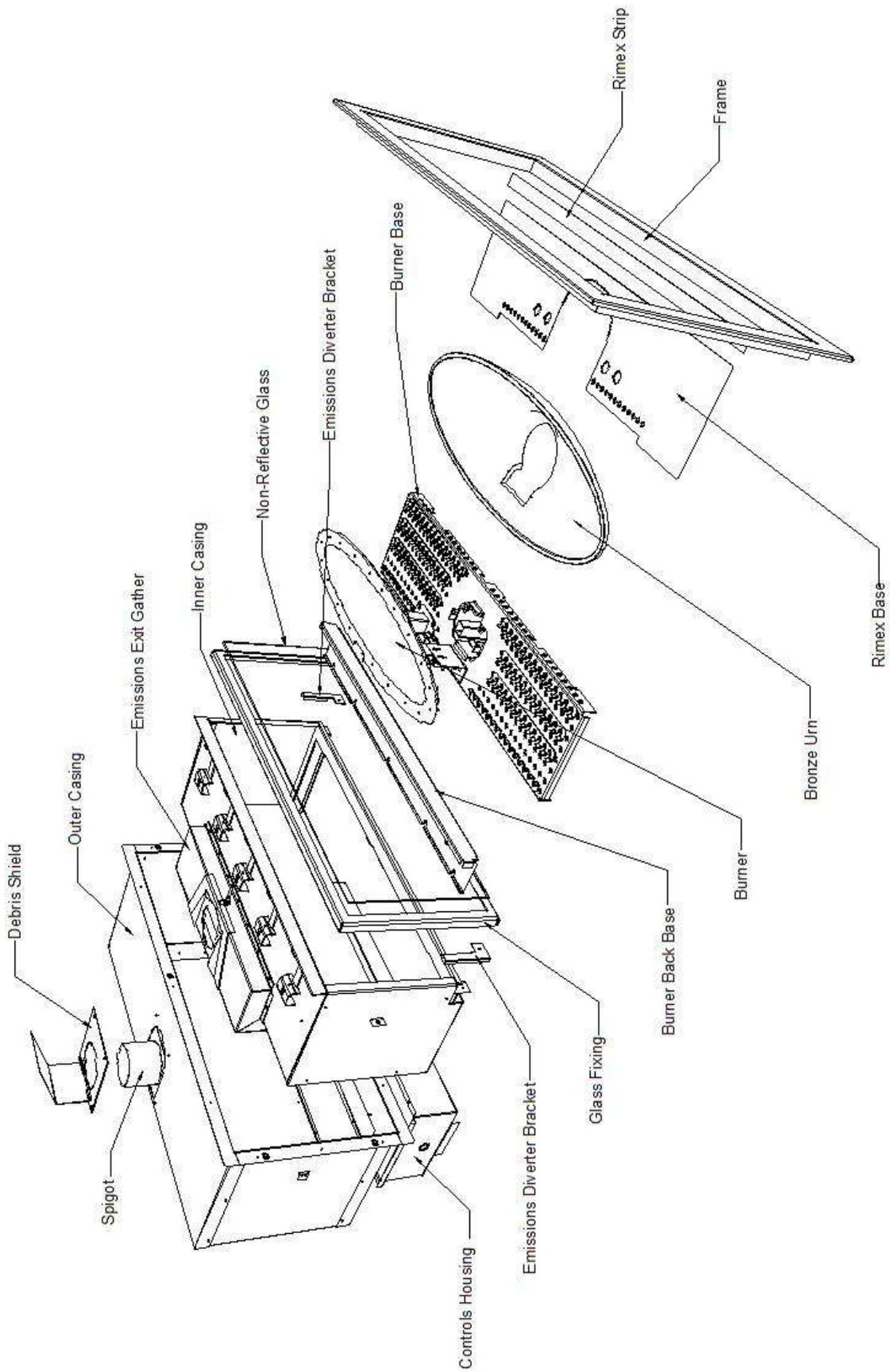
**Suggested opening size for stone slips behind the outer casing flange.**

Appliance	Length	Height
GFL850Urn	910mm	410mm

**Suggested opening size for stone slips in front of the outer casing flange.**

Appliance	Length	Height
GFL850Urn	890mm	375mm

Fig. 23



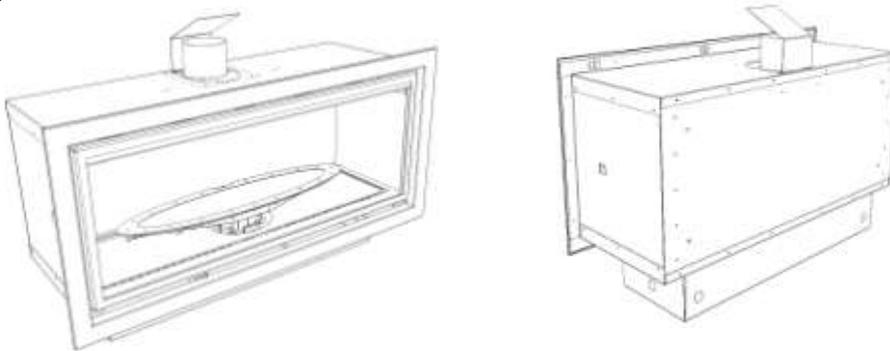
## 6. Preparing the Appliance for Installation

The appliance is supplied in an assembled state minus the Urn and interior panels these are packed in separate boxes.

### Important Notes

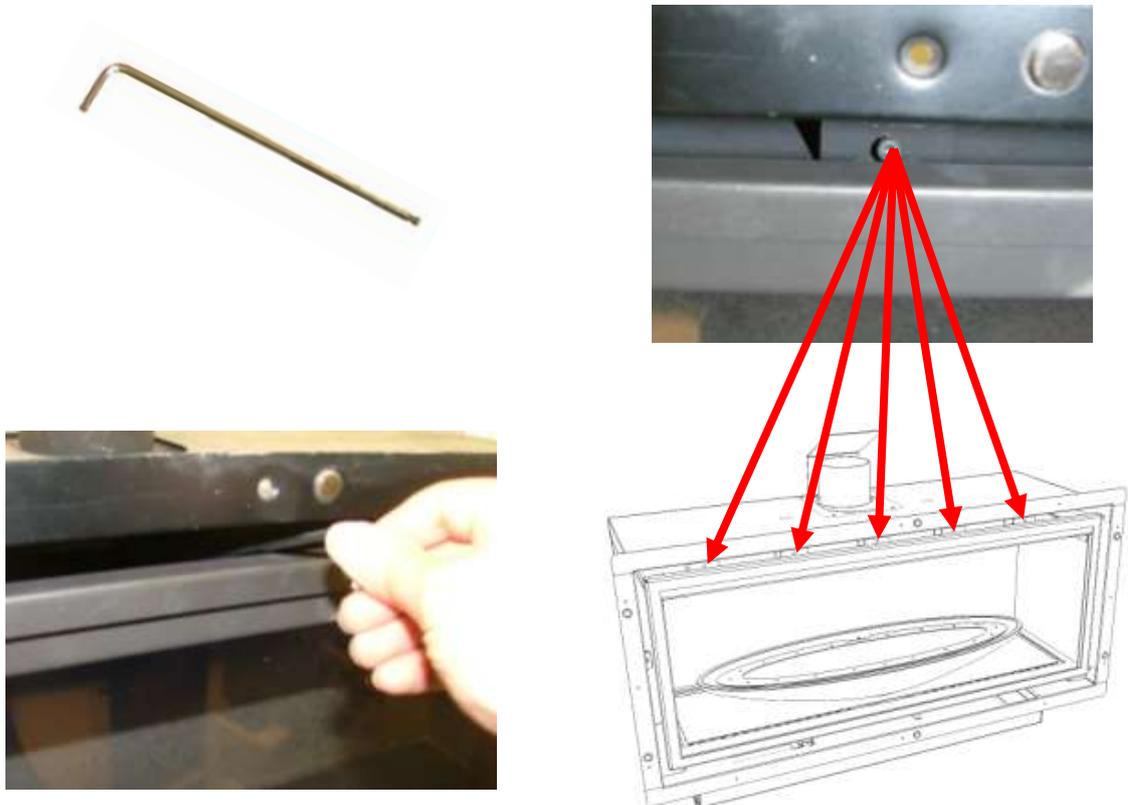
- Ensure the appliance is cold before undoing the glass fixings.
- Care must be taken when using the Allen key to prevent damage to paintwork.
- The glass is not bonded to the glass fixing bracket. Hold the glass and the bracket when fitting to the appliance.
- Ensure the glass is clean on both sides before lighting as dirt; oils etcetera can etch the glass.
- Do not clean with abrasive materials as this can accelerate dirt accumulation and weaken the glass.

Fig. 24



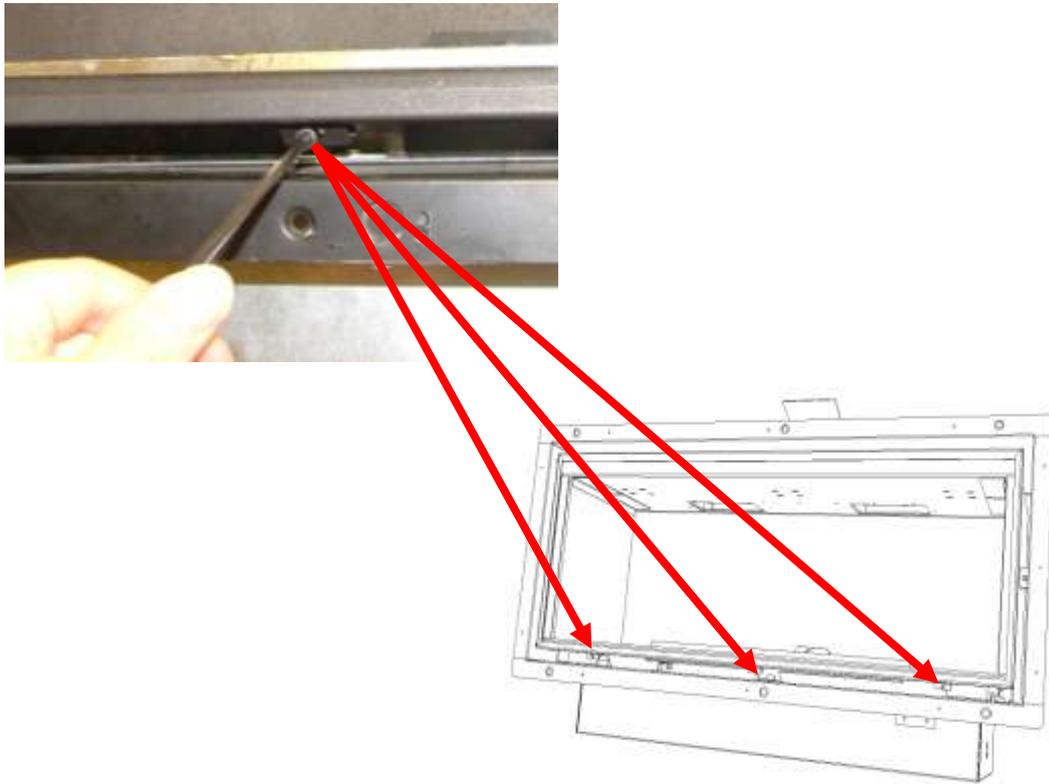
Undo the five glass fixings at the top using the 4mm ball head allen key supplied (see fig. 25)

Fig. 25



Remove the 3 hex screws located at the bottom of the glass fixing (see fig. 26).

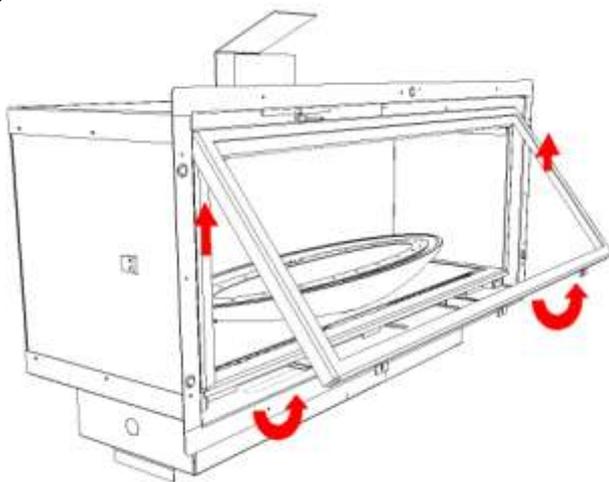
Fig. 26



**IMPORTANT NOTE** – The glass is not bonded to the glass fixing bracket. Hold the glass and the bracket when removing from the appliance.

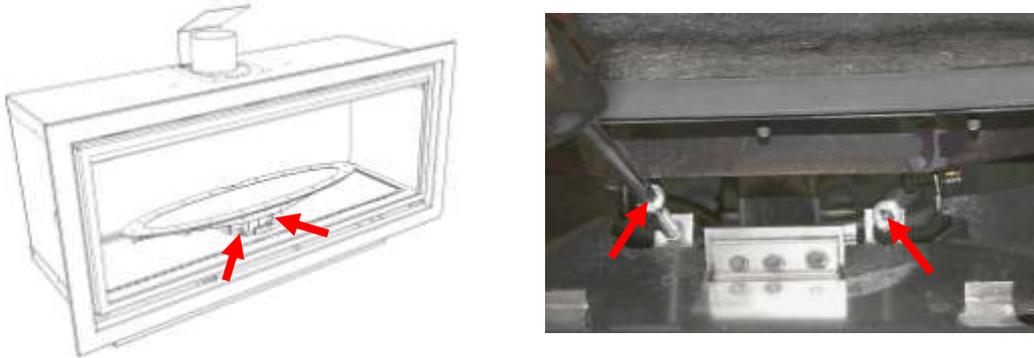
Lift the glass and bracket from the bottom and lift carefully out from the gap at the top (see fig. 27)

Fig. 27



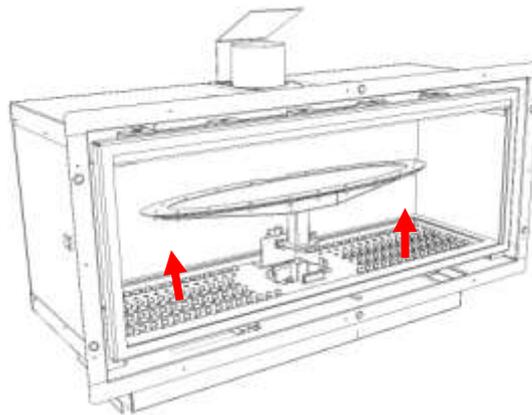
Remove the burner tray by undoing the 2 securing / levelling screws (see fig. 28).

Fig. 28



Carefully lift the burner from the appliance. NOTE – The burner bed fibre matting used to spread the flame can irritate the skin when handled and is advised to wear protective clothing. The fibre matting is also very fragile and must be handled with care to avoid damage. IMPORTANT – Only use a soft brush to clean the surface. Do NOT use a vacuum to clean the fibre bed (see fig. 29).

Fig. 29



Lift the burner base assembly to access the wiring.

IMPORTANT NOTE – The wiring attached to the burner base is also attached to the controls housing below and must be disconnected to remove the burner base from the appliance (see fig. 30, 31).

Fig. 30



Fig. 31



Disconnect the power lead, spark lead cable and 8 core cable from the controls box. (See fig. 32-35).

Fig. 32



Fig. 33

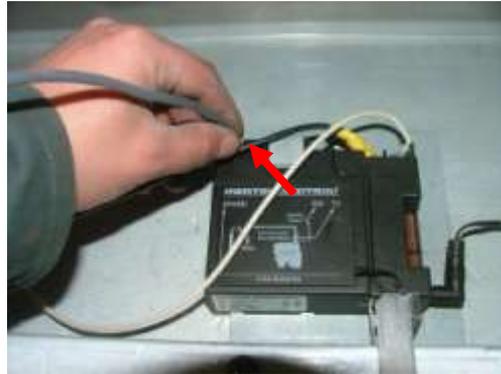


Fig.34



Fig.35



Undo the interrupter nut and pull out the cable / black grommet from the interrupter block. (See fig. 36-38).

Fig.36



Fig.37



Fig.38



Lift the burner clear from the appliance (see fig. 39, 40).

Fig. 39

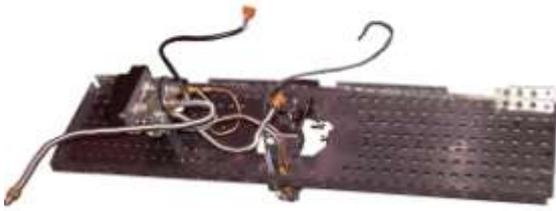


Fig.40



Carefully pull the base back plate out, the TTB bullet connections are threaded through the plate hole (see fig. 41-44).

NOTE – The TTB bullet connections are supplied from Chesney's factory disconnected to avoid damage to the TTB and are to be connected during installation.

Fig. 41

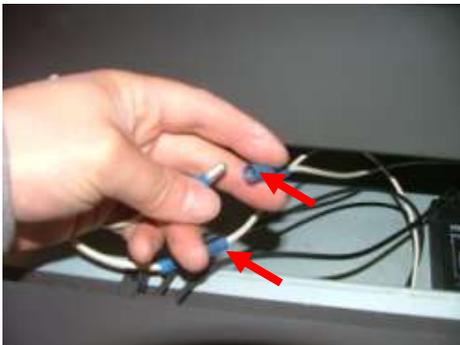


Fig.42



Fig. 43



Fig.44



Remove the emissions diverters at each end of the appliance (see fig. 45-47).

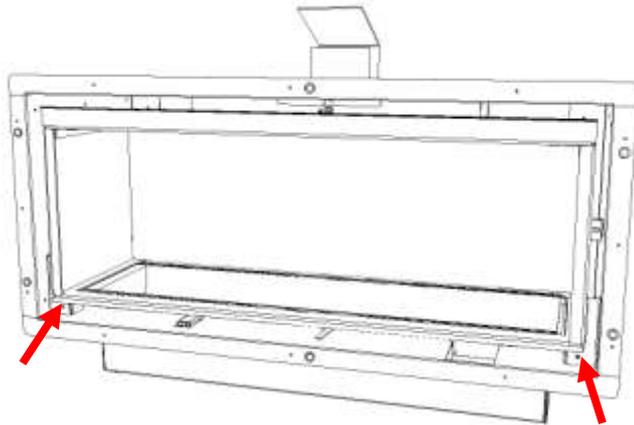
Fig.45



Fig.46

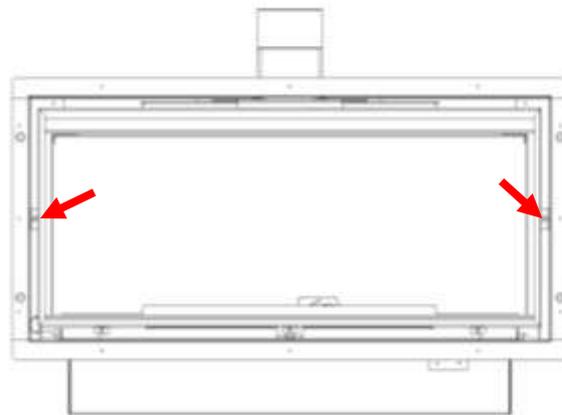


Fig.47



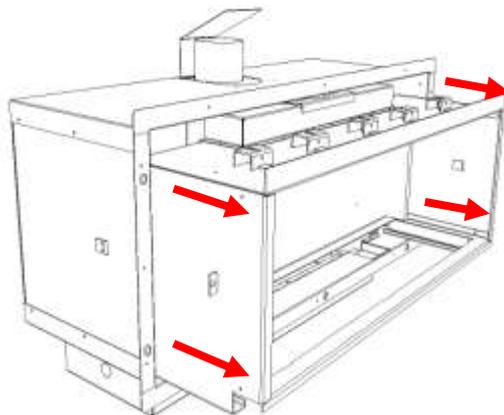
Remove the screws to release the inner casing from the outer casing (see fig. 48)

Fig. 48



Carefully slide the inner casing out (see fig. 49)

Fig. 49

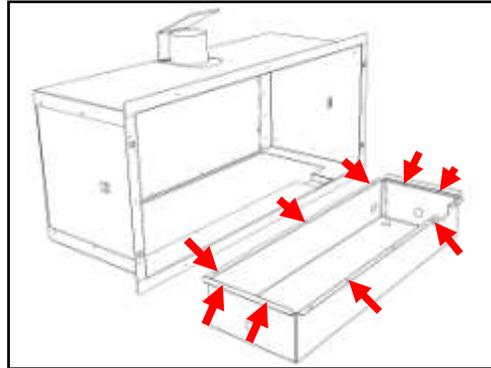


Place the outer casing on its back and remove the screws holding the controls housing then remove the housing (see fig. 50, 51).

Fig. 50



Fig. 51



Remove the screws attaching the spigot and drop the spigot out (see fig. 52, 53).

Fig. 52

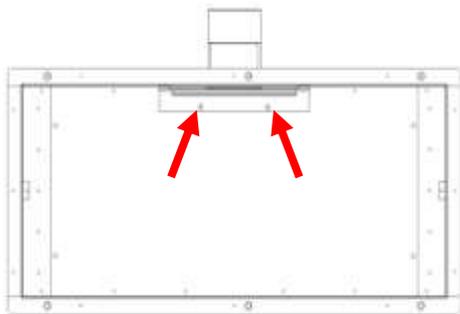
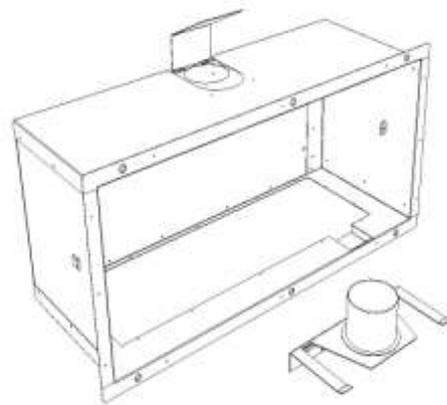


Fig. 53



Remove the screws holding the debris shield and drop the shield out (see fig. 54, 55).

Fig. 54

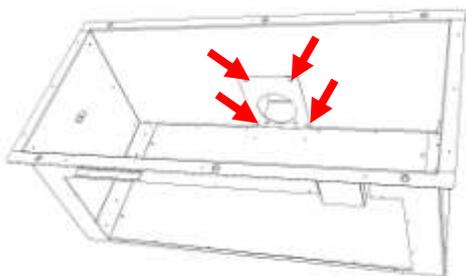


Fig. 55



The outer casing is ready to place in the constructed opening.

## 7. Installation

**IMPORTANT** The outer casing must be sealed against the front face of the builders opening, failure to do so may result in spillage problems. There are 2 debris spacers attached to the back of the appliance and 2 spacers attached to the base of the appliance (see fig. 56, 57) this ensures the distance of the debris void and must not be removed.

Fig. 56

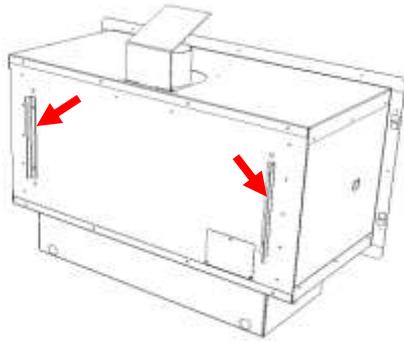
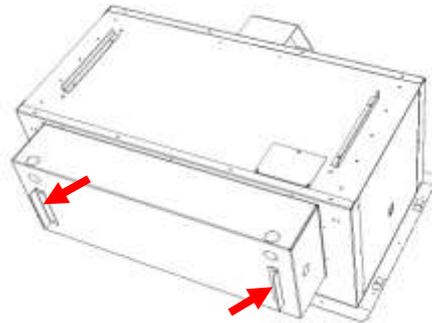


Fig. 57



Fit the outer casing in the opening and secure (see fig. 58-60). There is no need to use all securing points.

Fig. 58

Back Securing Points



Fig. 59

Front Securing Points

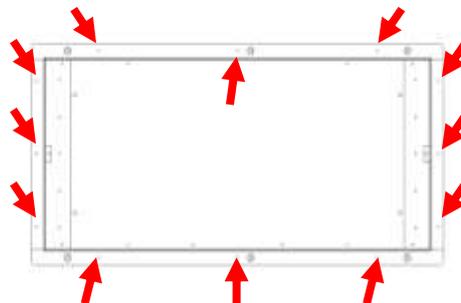
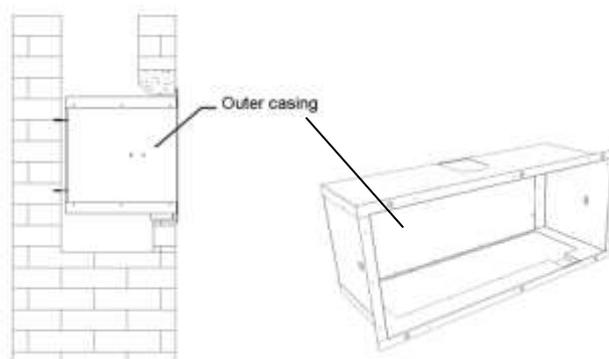


Fig. 60

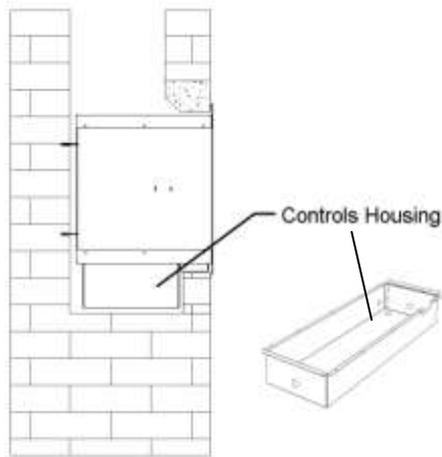
Side Elevation



Refit and secure the controls housing  
(see fig. 61)

Side Elevation

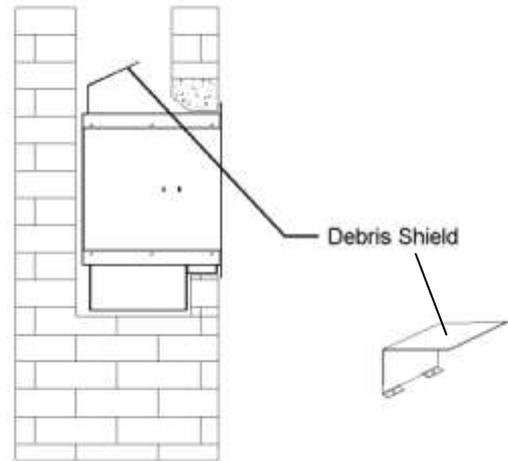
Fig. 61



Fit the debris shield if required (see fig. 62)  
(Conventional Class 1 chimney with no liner)

Side Elevation

Fig. 62



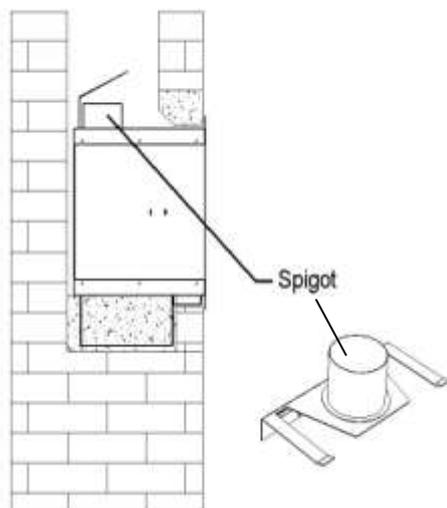
### Fitting the spigot

#### Conventional Class 1 chimney with no liner

If the appliance is fitted into a conventional Class 1 chimney with no liner the spigot is still required. Screw the spigot in place (see fig. 63).

NOTE – The spigot needs to have slight movement only tighten the securing screws so that it just grips the spigot in position.

Fig. 63



## Sealing the Flue Liner to the Appliance

The flue must be sealed to the appliance to ensure the products of combustion do not enter the room.

Use a suitable heat proof sealant to seal the liner to the spigot.

Pull the liner through into the appliance opening and connect the spigot to the liner then secure and seal (see fig. 64,65)

Fig. 64



Fig. 65



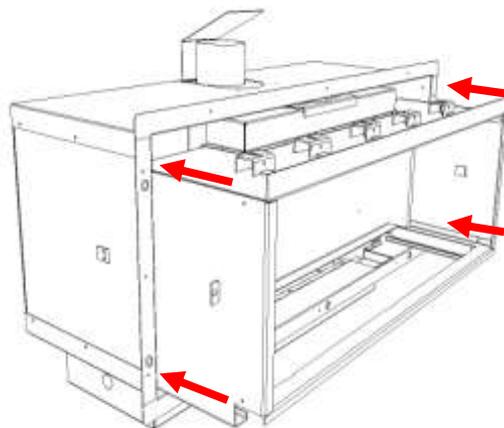
Push the spigot and liner back in place and secure the spigot via the 2 self tapping screws (see fig. 66)

Fig. 66



Slide the inner casing into the outer casing (see fig. 67)

Fig. 67



When sliding the inner casing it is important to ensure the spigot slides into the channels to form a good seal (see fig. 68, 69)

Fig. 68

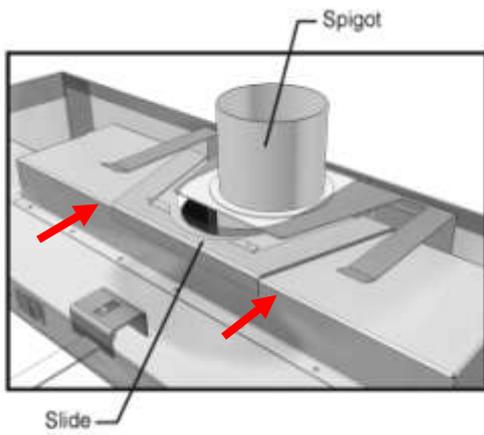
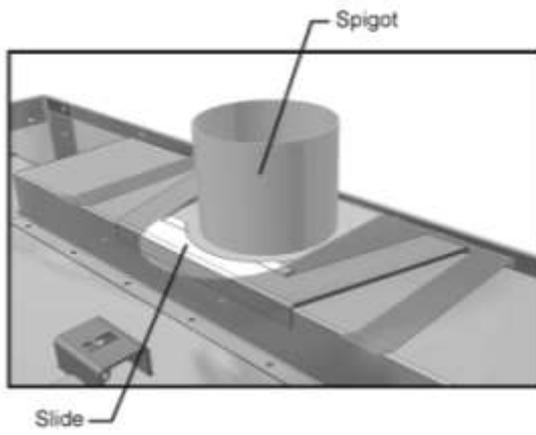


Fig. 69



Secure the inner casing to the outer casing via the hex bolts at each end (see fig. 70, 71)

Fig. 70

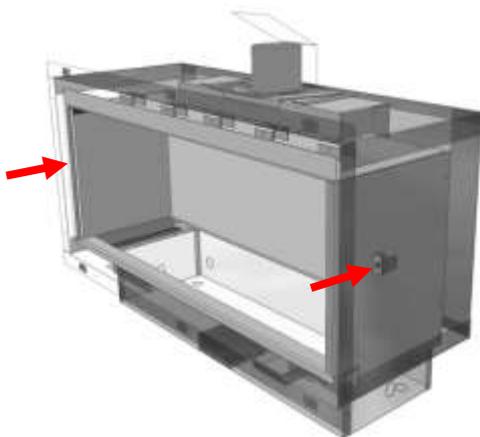
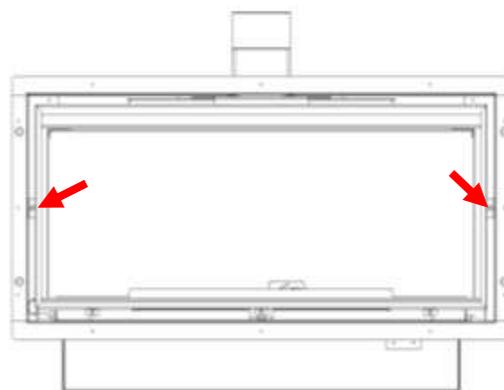


Fig. 71



Refit the emissions diverters at each end of the appliance (see fig. 72-73).

Fig.72



Fig.73



Place the back base plate and TTB wiring so that the wiring can be connected to the TTB (see fig. 74-75).

Fig. 74



Fig.75



Undo the 4 screws at the back of the appliance to release the TTB (see fig. 76). Attach the two white right angled female connections to the TTB (see Fig. 77). Refit the access panel (Fig. 76).

Fig. 76

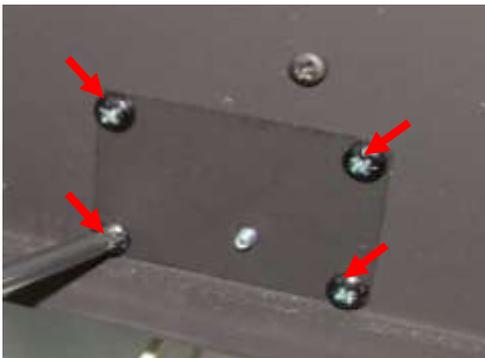


Fig. 77



Fit the back base plate (see Fig. 78).

Fig. 78



Connect the bullet connections to the black box and interrupter bullet connections (Fig. 79 - 82).

Fig.79



Fig.80

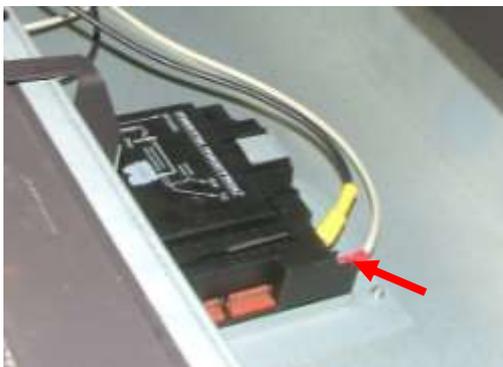


Fig.81

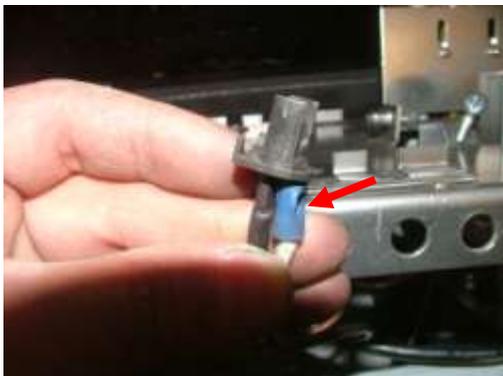
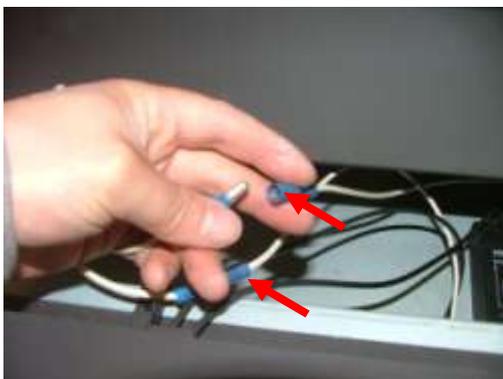


Fig.82



## Fit the Panels

Remove both panel brackets (see fig. 83) then fit one side panel (see fig. 84)

Fig. 83



Fig. 84



Fit the back panel behind the side panel (see fig. 85).

Fig. 85



Fit the other side panel and secure (see fig. 86, 87).

Fig. 86



Fig. 87



## Fitting the Burner Assembly

NOTE – All gas work must be carried out by a qualified gas installer to all relevant regulations.

Ensure that the gas supply is capable of delivering the required amount of gas, and is in accordance with the rules in force.

An isolation valve or valves must be fitted near to the appliance in accordance with national regulations to allow the complete removal for maintenance or repair.

Before connecting the fire unit purge the pipes from air and debris.

The burner assembly can now be connected to the gas supply.  
The gas control is located on the underside of the burner assembly base; the gas inlet is already fitted with a flexible tube to allow movement (see fig. 88, 89)

Fig. 88

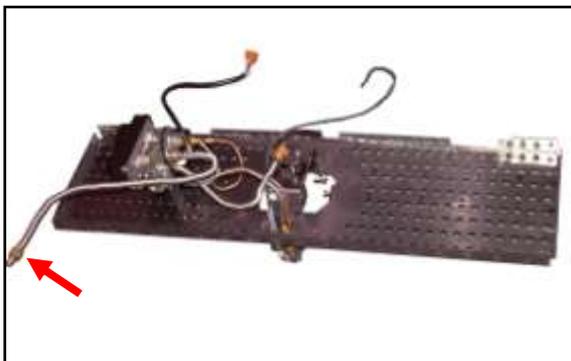


Fig. 89



Supplied with the appliance is an isolation valve / pressure test combined (see fig. 90) fit this to the gas supply and connect the flexible inlet tube shown below (see fig. 91).

**IMPORTANT NOTE – Avoid kinks in the flexible gas pipe.**

Fig. 90

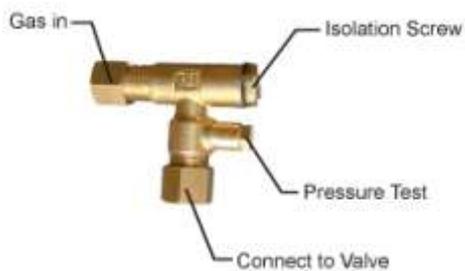
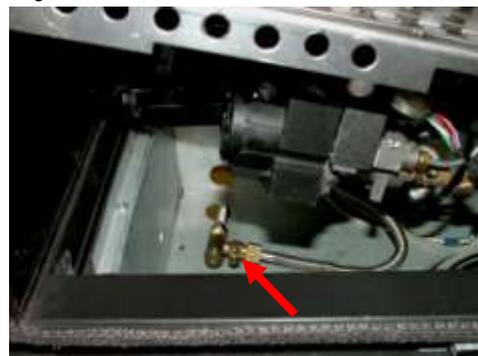


Fig. 91



Reconnect the spark lead cable and 8 core cable. (See fig. 92-94).  
Fig. 92

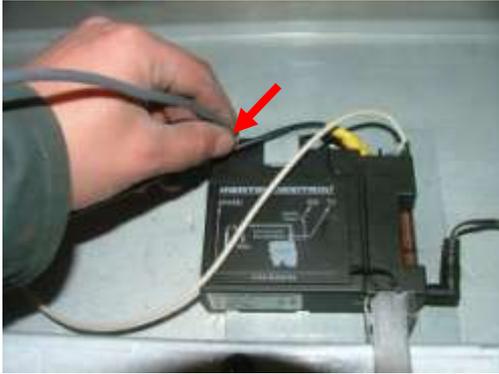


Fig.94

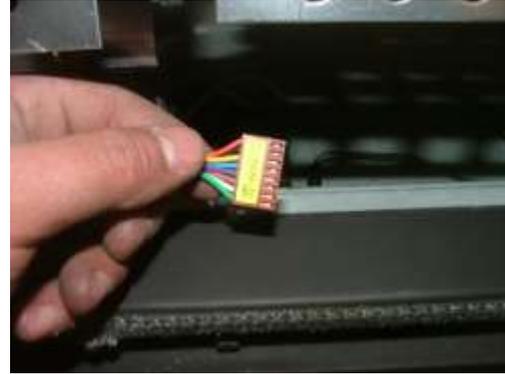
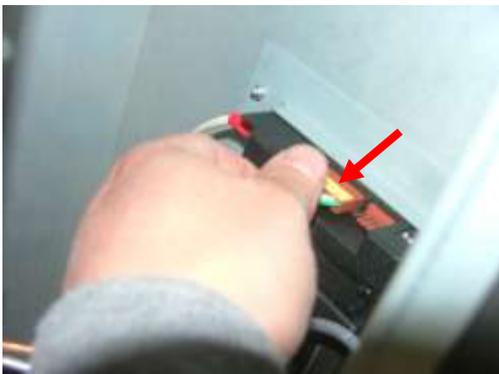


Fig. 93



Refit the wiring / black grommet into the interrupter block and tighten the interrupter nut, ensure the lever tip is fitted so when pushed down the lever connects with the rest button (See fig. 95-98) check all wiring is connected then connect the battery lead, a long beep will be heard (see fig. 98).

Fig.95



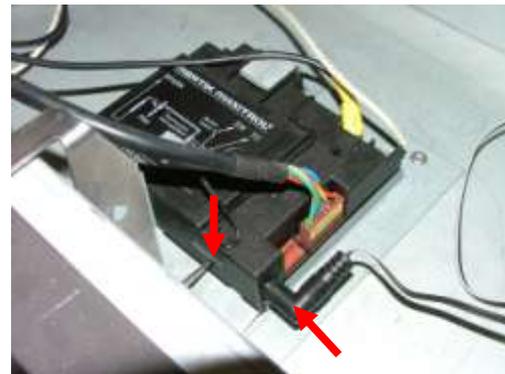
Fig.97



Fig.96



Fig.98



Bleed the gas through then attach the pressure test meter to the test point allowing length for the tube to travel through the appliance and out of the air intake (see fig. 99, 100)

Fig. 99

Fig. 100

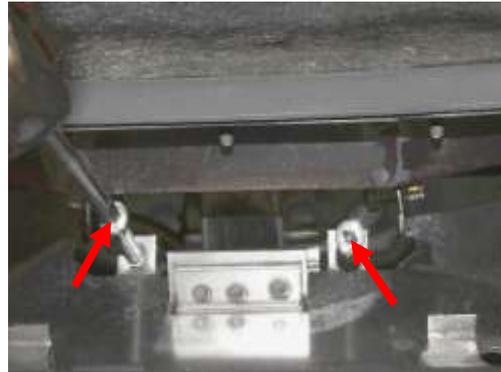
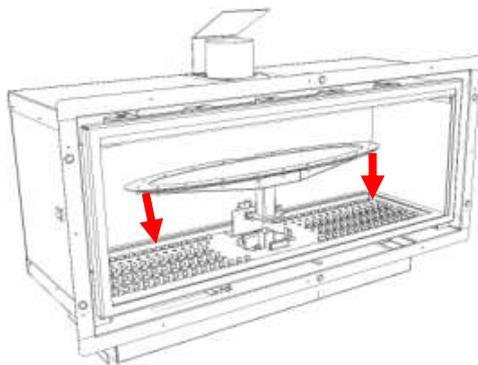


Ensure the wiring is away from the burner base and making sure no wiring is trapped in-between any metal work.  
Test the connections for soundness.

Attach the burner and secure (fig. 101, 102).

Fig. 101

Fig.102



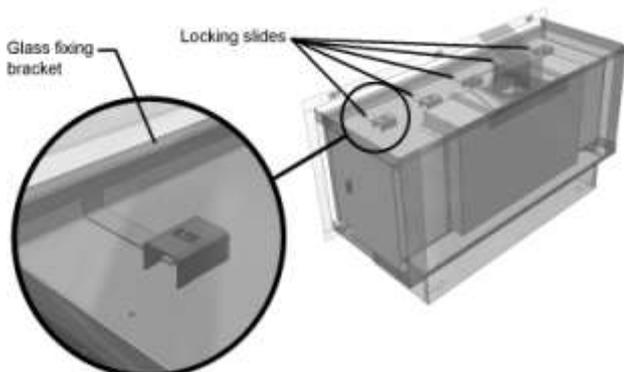
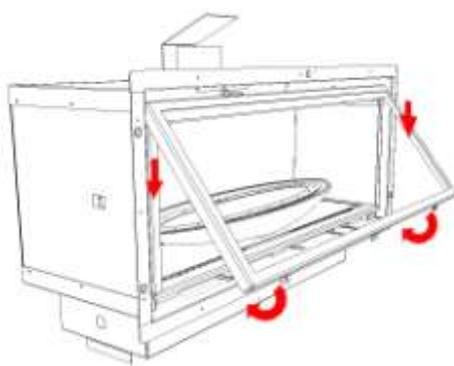
Before fitting the glass move the 5 locking slides to the front then lift the glass / fixing bracket in place.

Ensure the glass is clean on both sides as dirt; oils etcetera can etch the glass.  
Do not clean with abrasive materials as this can accelerate dirt accumulation and weaken the glass.

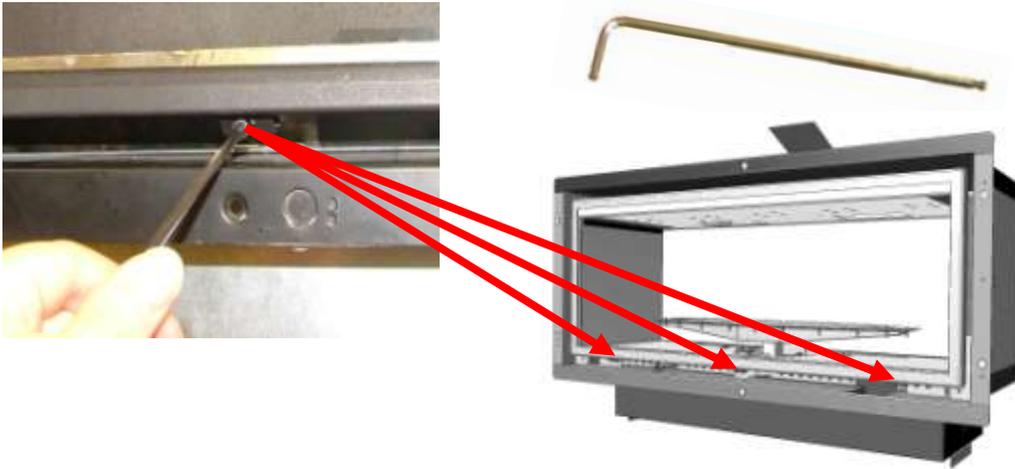
Check the locking slides are behind the glass fixing bracket (see fig. 103, 104)

Fig. 103

Fig.104

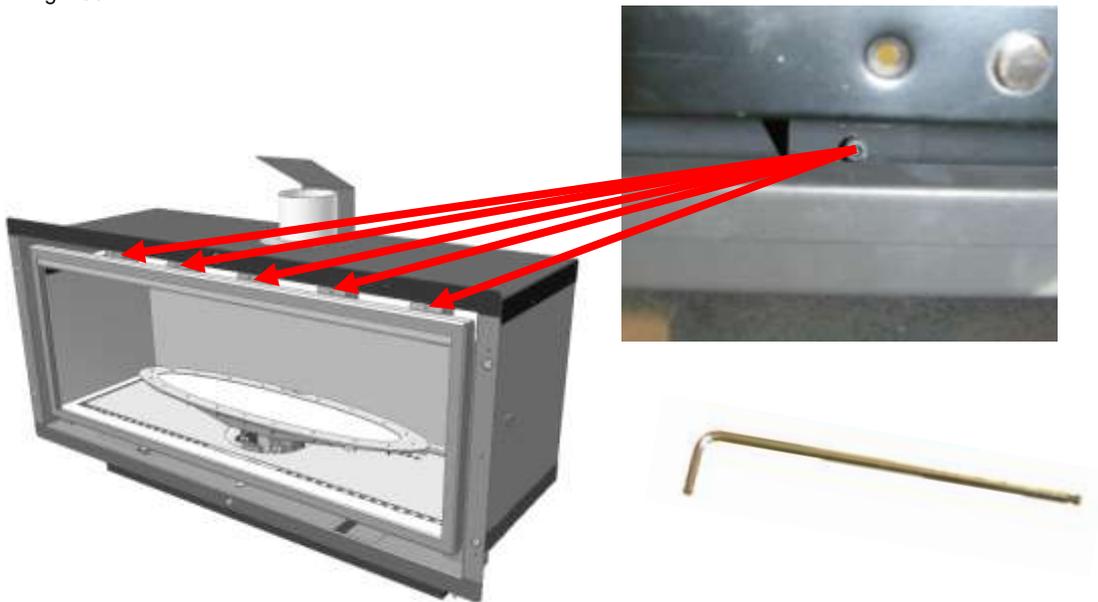


Refit the 3 hex screws located at the bottom of the glass fixing (see fig. 105). Care must be taken when using the allen key to prevent damage to paintwork.  
Fig. 105



Tighten the five glass fixings at the top using the 4mm ball head allen key hexagon key. Care must be taken when using the allen key to prevent damage to paintwork. (see fig. 106).

Fig. 106



**CAUTION** – All connections must be gastight.

Light the appliance on full and carry out a pressure check.  
Contact the gas company if the line pressure is not correct.  
If the gas pressure is running correctly turn off the appliance and allow it to cool.

Remove the glass when cold.

**NOTE - Ensure the appliance is cold before undoing the glass fixings.**

Remove the burner and lift burner base. Remove the rubber tube and close the pressure test point.

Fit the burner base.

Remove the burner fixing screws and place the Rimex base on the burner base allowing a gap of 10mm around the opening. (Fig. 107, 108)

Fig. 107

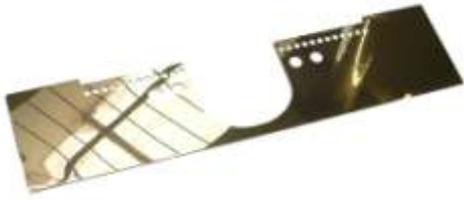


Fig. 108



Fit the bronze urn over the pilot. (Fig. 109, 110)

Fig. 109

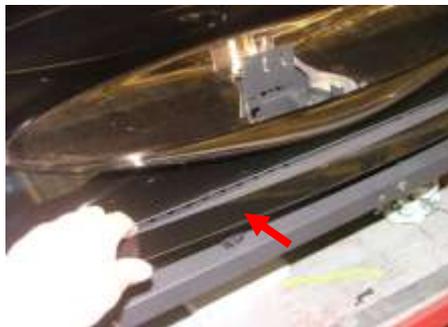


Fig.110



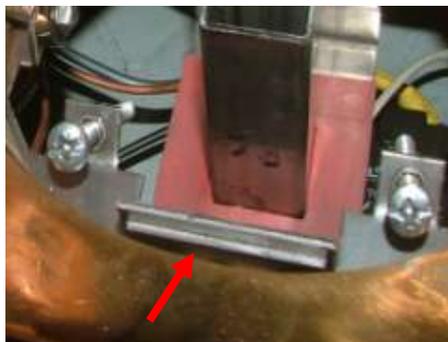
Sit the Rimex strip across the front. (Fig. 111)

Fig. 111



Push the bronze urn against the bracket on the burner base. (Fig. 112)

Fig. 112



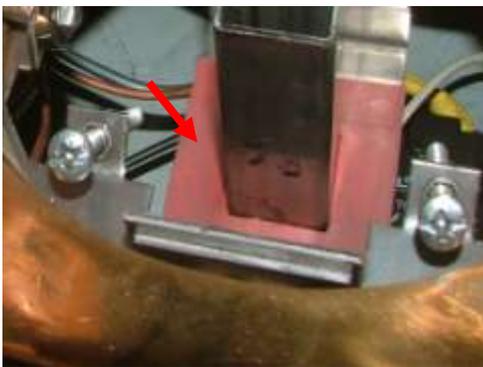
Secure the bronze urn. (Fig. 113, 114)  
Fig. 113



Fig. 114



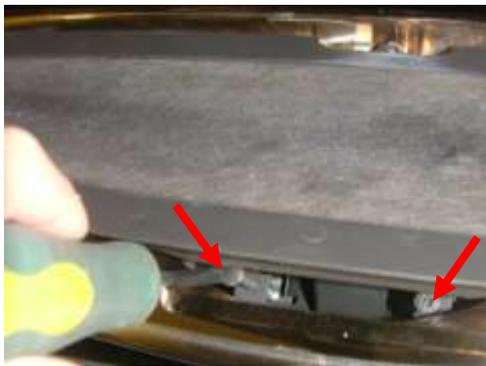
Before fitting the burner check the seal is in place. (Fig. 115)  
Fig. 115



Fit the burner and secure using the securing/ levelling screws. To level the burner screw in the left or right screw further. (Fig. 116, 117)  
Fig. 116



Fig.117



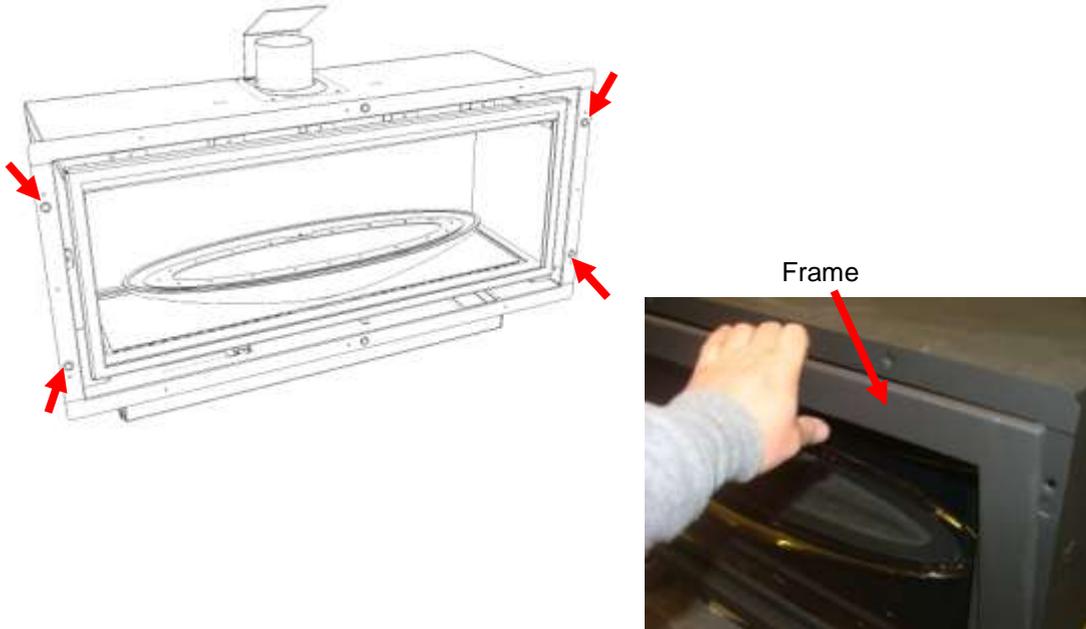
Refit the Glass.

## Fitting the Frame

The frame must be fitted before checking spillage.

Metal Frames are fixed with magnets adhered to the appliance (see fig. 118)

Fig. 118



All parts of the appliance become hot while running and should therefore be considered to be a working surface.

Due to the newness of materials, the fire will give off a slight odour for a period of time after commissioning, a window or door to the outside can be opened to ventilate the odours. This is quite normal due to the curing of paints and materials avoid touching the paintwork during this curing process, any odours should disappear within a few hours of operation.

Distances to combustibles

Side walls = 500mm

Distances to non-combustibles

It is recommended that non-combustible materials are not placed directly above this appliance.

It is also advised against placing combustible materials or soft furnishings directly in front of the appliance.

Precautions must be taken to avoid over-heating around the appliance, It is advised to use non-combustible materials for the floor, shelf, and walls.

## Pairing the Handset

The handset has been paired with the appliance at the factory.

If the handset is to be exchanged or is not responding with the appliance then the control box RF receiver will require setting to allow communication.

### **IMPORTANT – Ensure the appliance is cold.**

Located in the gap between the frame and glass is a lever. Push the lever down until you hear two (2) beeps after the second longer beep release the lever (see fig. 119). Within the subsequent 20 seconds press the down arrow (see fig. 120) button on the remote handset until you hear an additional long beep confirming the code is set.

Fig. 119

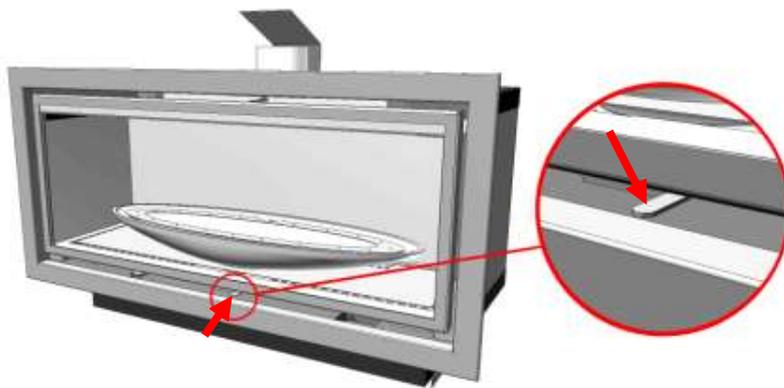


Fig. 120



**NOTE:** This is one time setting only, and is not required when changing the batteries in both remote receiver and appliance batteries.

## Resetting the Appliance

### **IMPORTANT – Ensure the appliance is cold.**

If the appliance is functioning incorrectly the reset button on the controls box can be reset this is done by pushing down the lever then releasing as soon as a beep has been heard (**do not hold**) (see fig. 119).

This will then reset the system.

## 9. Control System Information



# MERTIK MAXITROL®



### Features and Options

- No external electrical power required.
- Used with standard thermocouple and standard ODS pilot
- Flame height adjustment with remote control or switch
- Compact design with large capacity
- Thermoelectric flame failure device
- Safety interlock
- Pressure regulator or throttle
- Minimum rate setting with fixed or adjustable orifices
- Pilot gas adjustment screw

GV60 models require no external electrical power to operate. The battery-powered motor allows main gas adjustment via an electric switch or remote.

The thermoelectric flame failure device functions with all standard thermocouple and ODS pilot burners (no powerpile necessary).

### ▲WARNING

Fire or explosion hazard. Attempted disassembly or repair of controls can cause property damage, severe injury or death. Do not disassemble the gas valve; it contains no serviceable components.

For your safety, read the user instructions before attempting to light the appliance.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this control or other appliances.

### WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call the gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach the gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

The installation must conform with local codes or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54 or The International Fuel Gas Code or B149.1 in Canada.

All piping and tubing must comply with local codes and ordinances.

Do not use this control or any gas appliance if any part has been under water or in contact with water. Immediately call a qualified service technician to replace the control system and any gas control which has been under water or in contact with water.

### COMPONENTS



Fig. M1; GV60 components

The standard GV60 system consists of the following components (see fig. M1).

### Gas Combination Control (GV60 Series) with:

- ON/OFF switch with soldered cable or Thermo current cable #2 interrupter – receiver
- Thermo current cable #1 interrupter –receiver
- Thermo current interrupter block
- Ignition cable

### Remote Control

- Remote handset
- Receiver
- 8 wire cable (connects valve to receiver)

## TECHNICAL SPECIFICATIONS

### Gas combination control according to CSA or CE approval (see label for certification)

#### Fuels:

- CSA: Suitable for use with natural, manufactured, mixed and propane (LP) gases and LP gas-air mixtures.
- CE: Suitable for use with gases of EN 437 gas family 1,2, and 3.

#### Approvals:

- ANSI Z21.78/CSA 6.20 FOR U.S. & Canada.
- CE: Gas Appliances Directive 90/396/EEC and EN126

#### Pressure Drop/Capacity:

- CSA : 1" W.C. at 65,000 BTU/hr.
- CE: 2,5 mbar at 1,2m<sup>3</sup>/h air

#### Range of Regulation:

- CSA: 10,000 to 85,000 BTU/hr.
- CE: Class C according EN88

#### Regulator Adjustment:

- CSA: 3" W.C. to 5" W.C. (7.5 to 12 mbar); 8" W.C. to 12" W.C. (20 to 30 mbar); 3" W.C. to 12" W.C. (7.5 to 30 mbar)
- CE: 5 to 40 mbar; 7,5 to 30 mbar

#### Max. Ambient Temperature:

32°F to 176°F (0°C to 80°C)

#### Mounting Position:

Mount valve 0° to 90° in any direction (Including vertically) from the upright position of the gas control knob.

#### Max. Inlet Pressure:

- CSA: ½ psi (34.5 mbar)
- CE: 50 mbar (20"W.C.)

#### Main Gas Connection:

- CSA: 3/8 in. NPT; Rp 3/8 ISO 7-1 internal thread for 12mm, 10mm, 8mm, 6mm outside diameter tube.
- CE: Rp 3/8 ISO 7-1 internal thread for 12mm, 10mm, 8mm, 6mm outside diameter tube

#### Inlet and Outlet Connection:

At side or bottom

#### Pilot Gas Connection:

- CSA: 7/16-24 UNS for 1/4" or 3/16" tubing
- CE: M10x1 for 4mm or 6mm tubing

#### Thermocouple:

11/32 UNS, M10x1, M9x1, M8x1

#### Maximum allowed torque inlet and outlet:

- CSA: 280 inch-pounds
- CE: 35 Nm

## Remote

**NOTE:** These remote handsets, receiver, wall switches, switch panels and touch pads are not interchangeable with previous versions.

### Approvals:

- ANSI Z21.20/CSA 6.20 for U.S. & Canada.
- CE: Gas Appliances Directive 90/396/EEC and EN298-2003

### Max. Ambient Temperature:

Remote Handset and Receiver: 140°F (60°C)  
Wall Switch/Touch Pad: 176°F (80°C)  
Switch Panel: 221°F (105°C)  
8 Wire Connecting Cable, Thermo Current Cable: 221°F (105°C)  
Ignition Cable: 302°F (150°C)

### Batteries – Remote Handset:

3 x 1.5V AAA (quality alkaline recommended)

### Batteries – Receiver:

4 x 1.5V “AA” (quality alkaline recommended)

An AC Mains Adapter may be used instead of batteries (only the Mertik Maxitrol AC Mains Adapter or one approved by Mertik Maxitrol can be used).

**NOTE:** During a power outage the AC Mains Adapter must be unplugged from the receiver to operate in the battery mode.

## INSTALLATION INSTRUCTIONS

Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition. These instructions are not to supersede the appliance manufacturer’s instructions.

### ▲▲ WARNING

It is the appliance manufacturer’s responsibility to determine GV60’s suitability for a specific application.

### ▲▲ WARNING

Do not remove screws from the gas valve. Do not adjust and/or alter any components marked with tamper indicating paint; Motor knob is not to be removed.

### ▲▲ WARNING

Oxygen Depletion is a hazard and can cause injury or death due to asphyxiation. Use only components intended for vented gas appliances on vented appliances and unvented gas components on unvented gas appliances.

1. Turn off gas supply at the appliance service valve before starting installation, and perform a Gas Leak Test after the installation is complete.
2. Install the sediment trap (where required) in the gas supply line to prevent contamination of the gas valve.
3. Use only your hand to push in or turn the gas control knobs. Never use tools. If a knob will not push in or turn by hand, don’t try to repair it, call a qualified service technician. Force or attempted repair will void warranty and can result in a fire or explosion.

## Location

Locate the combination gas valve where it is not exposed to steam cleaning, high humidity, dripping water, corrosive chemicals, dust or grease accumulation or excessive heat. To assure proper operation, follow these guidelines:

- Locate combination gas valve in a well-ventilated area.

- Mount combination gas valve high enough to avoid exposure to flooding or splashing water.
- Make sure the ambient temperature does not exceed the ambient temperature ratings for each component.

**▲ WARNING**

**GV60 standard version is suitable for indoor use only.**

**CONNECTIONS – MAIN AND PILOT GAS**

**▲ WARNING**

**Fire or Explosion Hazard. Can cause property damage, severe injury or death.** Do not bend tubing at gas valve connection point after compression fitting has been tightened. This can result in gas leakage at the connection.

All piping must comply with local codes and ordinances or with the National Fuel Gas Code, ANSI Z223.1/NFPA 54 or The International Fuel Gas Code or B149.1 in Canada. Tubing installation must comply with approved standards and practices.

1. Use new, properly reamed pipe free from metal or material chips. When tubing is used, assure that the ends are square, deburred and clean. All tubing bends must be smooth and free of distortion.
2. Run pipe or tubing to the valve.
3. Install a sediment trap (where required) in the supply line to the gas valve (see fig.M2)

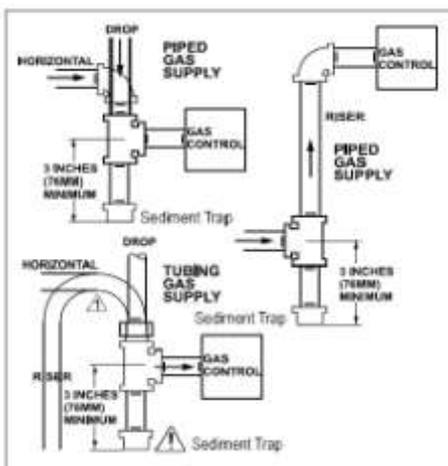


Fig. M2: Sediment Trap (where required)

**▲ WARNING**

The main gas valve must be disconnected from the gas supply piping system during any pressure testing of the gas supply piping system at test pressures in excess of ½ psi (3.5 kPa CSA; 50 mbar CE).

**Connection Main Gas (Tubing Connections)**

1. Mount valve 0° to 90° any direction (including vertically) from the upright position of the gas control knob.
2. Slip nut and ferrule over tubing.
3. Insert tubing into inlet/outlet connection until it bottoms, slide ferrule and gland into place and turn finger tight.  
**Do not use pipe joint compound.**
4. Use a wrench to tighten gland about 1 turn beyond finger tight.

**Connection Main Gas (Pipe Connections)**

1. Mount valve 0° to 90° any direction (including vertically) from the upright position of the gas control knob.
2. Pipe to be inserted into the valve must be the proper thread length and to gauge. Thread that is cut too long can cause distortion or malfunction if inserted too deeply.
3. Apply a moderate amount of approved pipe sealant to the pipe only, leaving the two end threads bare.  
(Do not use Teflon® tape.)

Connect pipe to valve inlet and outlet. When threads are tightened, the valve must be held at the designated points (see fig.M3). Do not apply pressure to top casting or plastic cover. Check all connections for leaks

### Connection Pilot Gas (Tubing Connections)

1. Ensure tubing end is square and free from burrs.
2. Insert pilot tubing into pilot outlet using fitting provided until it bottoms, and turn finger tight. **Do not use pipe joint compound.**
3. Turn with wrench until you shear off the ferrule. Turn an additional  $\frac{3}{4}$  turn to make a gastight seal.
4. Connect other end of tubing to pilot burner according to the manufacturer's instructions.

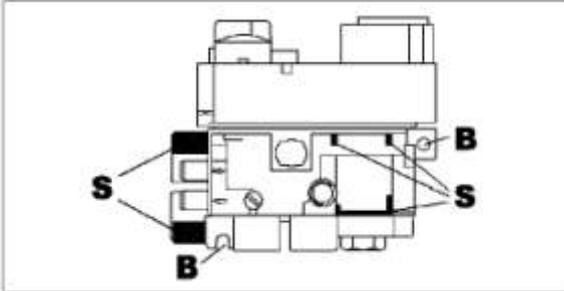


Fig. M3: S=Clamp Areas, B=Mounting Points

### PERFORM GAS LEAK TEST

#### ▲ WARNING

Do not overtighten connections. Overtightening can damage the control body resulting in leakage or control malfunction.

1. Using a clean brush, apply an approved leak test solution to the pipe connections. Bubbles indicate a leak.
2. If a leak is detected, tighten pipe connections.
3. Light the main burner.
4. With the main burner in operation, apply an approved leak test solution to all pipe connections (including adapters) and the valve inlet and outlet. Bubbles indicate a leak.
5. If a leak is detected, tighten pipe connections (including adapters).
6. Replace parts if the leak cannot be stopped.

### WIRING CONNECTIONS

#### ▲ WARNING

Wiring of valve and receiver must be completed before starting ignition. Failure to do so could damage electronics.

- Total resistance of the thermocouple circuit should be minimised to assure proper operation.
- When GV60 components are installed, make sure they are not exposed to dirt, oil, grease or other chemical agents.
- Do not permit foreign particles under plastic cover.
- Wiring must comply with diagram.
- Place ON/OFF switch (if equipped) where it is easily accessible for the User.

### Thermo Circuit

**NOTE:** The use of the Mertik Maxitrol interrupter block is recommended with the following connections. Keep connection of Interrupter Block and Thermocouple clean and dry. Avoid severe bending of the Thermocouple tubing during installation (min. 1" radius; 2.5cm) as this may cause it to fail.

Fasten ring terminals from Thermo Current Cable #1 and Thermo Current Cable #2 (or optional ON/OFF Switch with soldered cable) tightly on the receiver with screws provided.

Install the interrupter block ¼ turn more than hand tight into the valve. Insert the spade connectors in the slots (possible from both sides). Screw thermocouple hand tight into the interrupter block and tighten ¼ turn to ensure a good electrical connection. Tighten only the thermocouple not the interrupter block.

**Ignition Cable**

**NOTE:** Do not damage the ignition cable while attaching it to the ignition electrode. When the cable is in place, avoid contact with sharp objects or edges.  
Cables longer than 900mm, avoid contact with metal parts, as this could decrease spark.

Attach ignition cable to receiver tab 2.8 x 0.8mm (SPARK), and connect other side to ignition electrode.

**Receiver**

**NOTE:** To keep the receiver free from debris and dirt, Do not remove the receiver from the plastic bag until all construction is complete. During a power outage the AC Mains Adapter must be unplugged from the receiver to operate in battery mode.

Snap the plug of the 8 wire cable in the receptacle on the valve and receiver.

Insert batteries. Do not use metal tools. Using a metal tool could cause a short that may damage the receiver.

Place ON/OFF switch (if equipped) to ON position.

Check the reception. If necessary, correct position of antenna by moving the antenna cable to a position that allows for good reception.

When the RF-receiver is placed in the appliance, the surrounding metal can reduce reception considerably. The position of the antenna on the receiver also influences reception.

**The antenna must not come in contact or cross the ignition wire, this may render the receiver inoperable.**

**GAS CONTROL KNOB SETTINGS**

Gas control knobs function as follows (see fig.M4):

KNOB	POSITION	FUNCTION
Main Valve	OFF	Prevents main gas flow through valve.
Main Valve	ON	Permits main gas flow through valve if the pilot is lit and thermocouple is generating sufficient power.
MANUAL knob	MAN	Allows the pilot to be manually ignited and prevents main gas flow.
MANUAL knob	ON	Allows for automatic ignition.

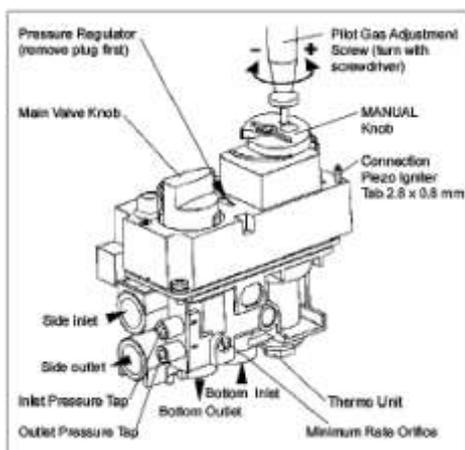


Fig.M4: Combination Control GV60, Connections and Adjustment Options

## ADJUSTMENT

### ▲ WARNING

Do not adjust ODS (vent free) pilot.

### ▲ WARNING

It is the appliance manufacturer's responsibility to determine GV60's suitability for a specific application.

### ▲ WARNING

Do not attempt to remove screws from the top of the gas valve. Do not change any adjustments marked with tamper indicating paint; Motor knob is not to be removed.

### ▲ WARNING

Oxygen Depletion is a hazard and can cause injury or death due to asphyxiation. Use only components intended for vented gas appliances on vented appliances and unvented gas components on unvented gas appliances.

### Pilot Flame adjustment

The pilot flow adjustment is pre-set to maximum at the factory. The pilot flame should envelope 3/8" to 1/2" of the thermocouple – vented only (see fig.M5).

1. The adjustment screw can be reached through a hole in the MANUAL knob (Figures 4 and 8).
2. Turn the MANUAL knob to the ON position.
3. It is now possible to pierce through the film on the cover with a screw driver to reach the adjustment screw beneath.
4. Turn the adjustment screw clockwise ↻ to decrease or counterclockwise ↻ to increase pilot flame.

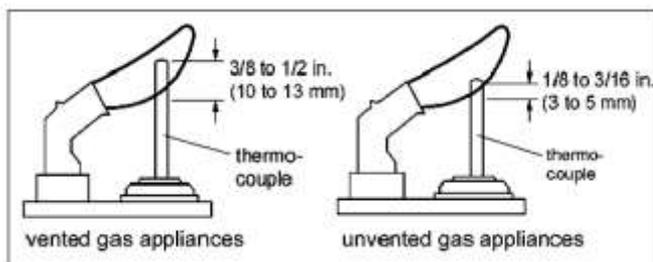


Fig.M5: Proper Flame Impingement on thermocouple

### Outlet Pressure Adjustment

Pressure regulator or throttle are located under the cover and can be reached by removing the plug (see figures 4 and 6).

### ▲ WARNING

Do not exceed the input rating stamped on the appliance nameplate, or the manufacturer's recommended burner orifice pressure for size orifice(s) used.

### ▲ WARNING

For complete combustion, be sure the primary air supply to the main burner is adjusted properly. Following the instructions of the appliance manufacturer.

1. Connect a pressure manometer to the valve outlet pressure tap. Pressure tap is opened by turning the screw counterclockwise ↻.
2. To access regulator adjustment remove plug first (Figures 4 and 6).
3. Turn MANUAL knob and main valve knob to the ON position.
4. Turn pressure regulator adjustment screw, accessible through opening in top of cover, to set required burner pressure (high fire). Pressure is increased by turning clockwise ↻ (pressure regulator models), or decreased by turning counterclockwise ↻.

**NOTE:** Throttle models pressure is increased by turning counterclockwise ↻; or decreased by turning clockwise ↻.

5. After adjustment, replace the plug.
6. If no other adjustments are required, close pressure tap(s) by turning the screw(s) full clockwise ↻. Check all connections/pressure tap(s) for leaks.

7. If the desired outlet pressure or flow cannot be achieved by adjusting the gas valve, check the gas valve inlet pressure using a manometer at the valve inlet pressure tap. If the inlet pressure is in the normal range, replace the gas valve; otherwise take the necessary steps to assure proper gas pressure to the valve.

#### Minimum Gas Flow Adjustment (for CE Use only) (See fig. M4)

1. Set the control into low fire setting by turning the motor knob in OFF-position and back until the valve opens.
2. The minimum rate can be set either by screwing in a calibrated minimum rate screw (fixed orifice) or an adjustable minimum rate screw. Controls with adjustable screws without a customer specific setting are factory set at maximum flow.
3. Turn the screw clockwise to decrease the minimum flow.
4. Care should be taken to screw the fixed orifice until it stops.
5. Close pressure tap(s) by turning the screw(s) full clockwise . Check all connections/pressure tap(s) for leaks.



Fig.M6: Combination Control GV60, Cover

#### FINAL CHECK

Observe several complete cycles to ensure proper operation. During these cycles the electronics will determine the optimum ignition sequence timing.

1. **STOP!** Read the safety information included before proceeding.
2. Turn main valve knob to the OFF, full clockwise  position.
3. Place ON/OFF switch (if equipped) to the **O** (OFF position).
4. Wait five (5) minutes to clear out any gas. Verify that no gas is in the area around the appliance, including near the floor. **If you detect gas STOP! Follow "A" in the safety information of the Operating Instructions.** If no gas is present, proceed according to the Mertik Maxitrol Operating Instructions GV60-OI-EN.

#### **▲ WARNING**

Fire or explosion hazard. Attempted disassembly or repair can cause property damage, severe injury or death. Do not disassemble the gas valve; it contains no serviceable components.

## OPERATING INSTRUCTIONS - FOR OEM USE ONLY

### ⚠ WARNING

Fire or explosion hazard. Attempted disassembly or repair of controls can cause property damage, severe injury or death. Do not disassemble the gas valve; it contains no serviceable components.

If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life

A. **BEFORE OPERATING** verify that no gas is in the area around the appliance, including near the floor.

#### WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call the gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach the gas supplier, call the fire department.

B. Use only your hand to push in or turn the gas control knobs. Never use tools. If a knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

C. Do not use this control or any gas appliance if any part has been under water or in contact with water. Immediately call a qualified service technician to replace the control system and any gas control which has been under water or in contact with water.

D. These instructions are to be referenced as a user guide, and do not supersede appliance manufacturer's lighting instructions.

## APPLICATION

GV60 is a battery-powered electronic remote ignition and control system for gas appliances with pilot burners and ODS systems



Fig. M7 Combination Control GV60



Fig. M8 Combination Control GV60

## GENERAL NOTES

### Batteries – Remote Handset:

3 x 1.5V AAA (quality alkaline recommended)

### Batteries – Receiver:

4 x 1.5V “AA” (quality alkaline recommended)

An AC Mains Adapter may be used instead of batteries (only the Mertik Maxitrol AC Mains Adapter or one approved by Mertik Maxitrol can be used).

**NOTE:** During a power outage the AC Mains Adapter must be unplugged from the receiver to operate in the battery mode.

### TO TURN OFF APPLIANCE

Press  button on remote handset.

**NOTE:** Press  (down arrow) to turn main gas to pilot gas.

### Remote Handset (see figure M9)

- Simultaneously press and hold  (star) and  (up arrow) until a short acoustic signal confirms the start sequence has begun; release buttons.
- Continuing signals confirm the ignition is in process.
- Once pilot ignition is confirmed, there is main gas flow.

**NOTE:** If the pilot does not stay lit after several tries, turn the main valve knob to **off**  and follow the instructions “Turn Off Gas to Appliance”.



Fig.M9 Remote Handset

### Remote Handset (see fig. M9)

- To increase flame height press and hold the  (up arrow) button.
- Press  (down arrow) to decrease flame height or to set appliance at pilot flame.
- For fine adjustment tap the large flame or small flame.
- **NOTE:** If the appliance will not operate, follow the instructions “TURN OFF GAS TO APPLIANCE”. With very low battery the GV60 system shuts off the fire completely. This will not happen if the power supply is interrupted.

### Battery Replacement

Battery replacement is recommended at the beginning of each heating season. Do not use metal tools to remove batteries. Using a metal tool could cause a short that may damage the receiver.

# GV60 Wiring Diagram

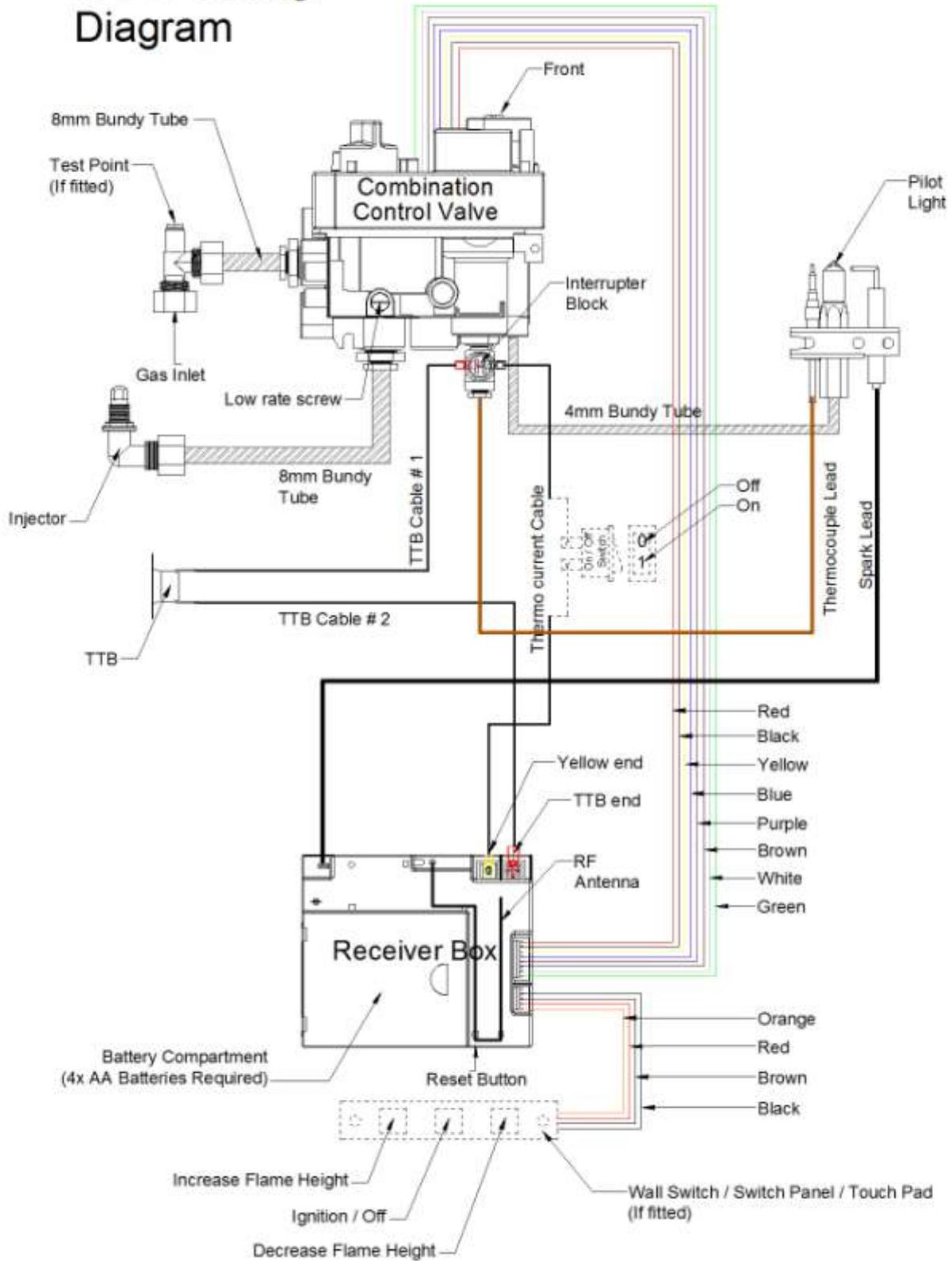


Fig.M10

## 10. Commissioning the Fire Unit

Check the gas supply and gas appliance for soundness.

The appliance must be fully fitted; the glass on the appliance must be sealed.

Check that there is no movement of the glass or gaps in the seal.

Check that all the products of combustion are entering the flue and that no products of combustion are entering the building

**Lighting the appliance for the first time.**

**IMPORTANT NOTE - Do not run the appliance if the glass has been removed or damaged.**

When lighting the appliance for the first time, the materials (i.e. paint, sealants etc.) will give off smoke and an unpleasant odour. This is quite normal and will disappear after a few hours. During this period, keep the room well ventilated.

Check that all available functions work correctly.  
(See 'Lighting the appliance' in User Instructions for information).

Light the fire on maximum and run for at least 30mins before turning the appliance to low rate.

NOTE – The flames will start off blue until the appliance has heated properly before turning more yellow.

**Spillage Test**

A spillage check must be completed.

The spillage test is intended to check the draw in the chimney. The spillage test can only be performed if the appliance is fully installed including the fitment of the Frame.

Close all doors and windows of the room in which the appliance has been installed.

Testing is to be done with the appliance on 'high' rate and has been running for at least 20 minutes.

Check the appliance for spillage using a smoke match, fitting it into the holder provided (see fig 121).

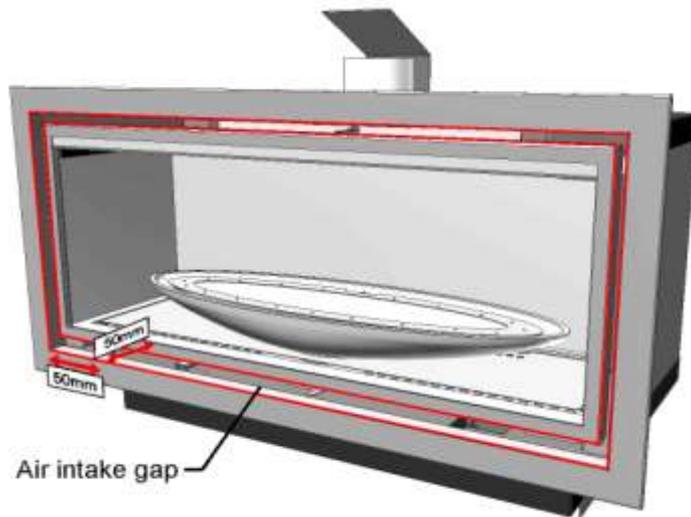
Fig. 121



**Important Note** – The Frame must be fitted before testing for spillage.

Position the lit match 50mm in from the front and 50mm right of the left bottom corner of the air intake (see fig. 122).

Fig. 122



If the appliance and chimney is functioning correctly all smoke should be drawn into the air intake and out of the room.

If the smoke doesn't get drawn in the appliance then the restrictor plate can be adjusted.

### Adjusting the Restrictor Plate

#### Important

The restrictor plate is set to the maximum efficiency position; if the appliance spills, adjust the restrictor using the hex key (see fig. 123) turning counter-clockwise to increase the aperture in the flue spigot (see fig. 124)

Fig. 123

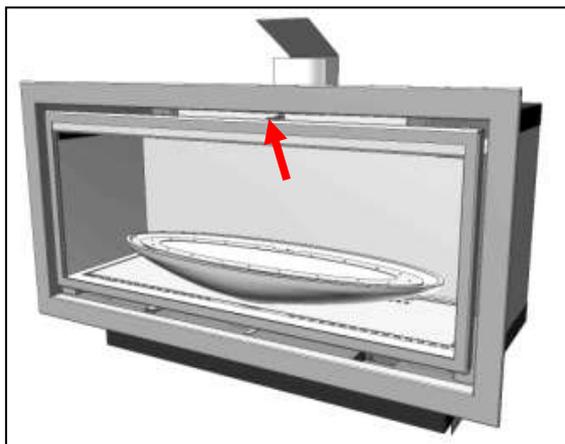
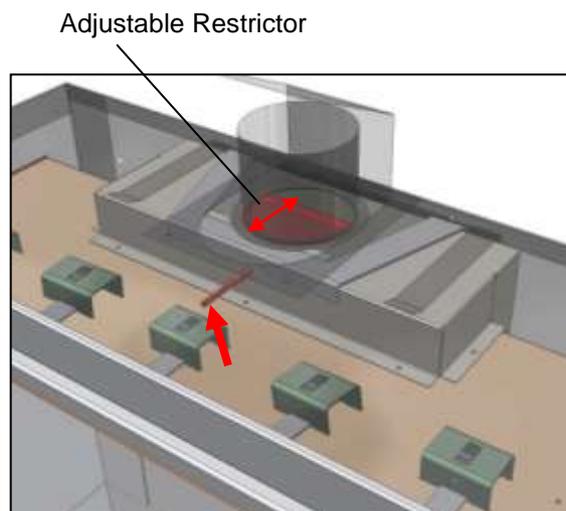


Fig. 124



If the smoke continues to spill then the unit is to be disconnected and expert advice taken.

## Flame stability

**IMPORTANT NOTE** - The appliance should always be observed when lighting. On starting the appliance an acoustic signal confirms the ignition is in process once the acoustic signal stops the main valve opens to 'High rate' to allow gas through to the main burner. All of the main burner should light within 6 seconds lighting the whole burner area.

**If this does not happen then the appliance should be turned off allowing 5 minutes before attempting to relight.**

Check the stability of the flame by turning to low rate then back to high rate then to low rate doing this around three times whilst observing the stability of the main burner and pilot flame, there should be no problems lighting the main burner.

## Aeration

**IMPORTANT NOTE** – The appliance aeration is factory set and under NO circumstances be adjusted by the installer (see fig. 125, 126).

Fig. 125

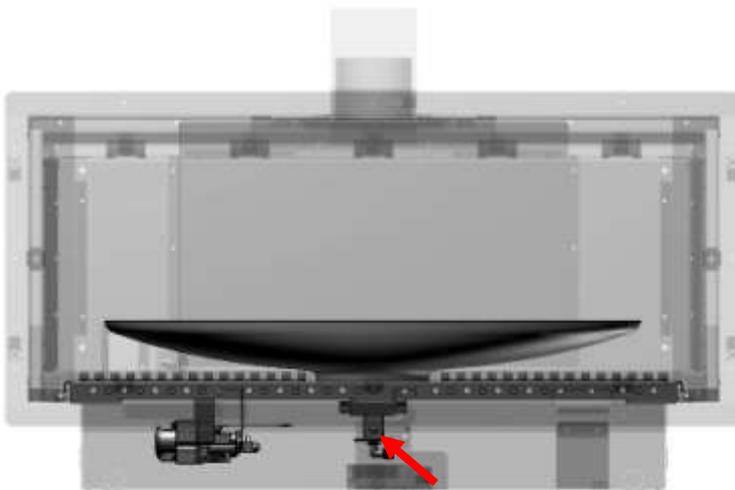
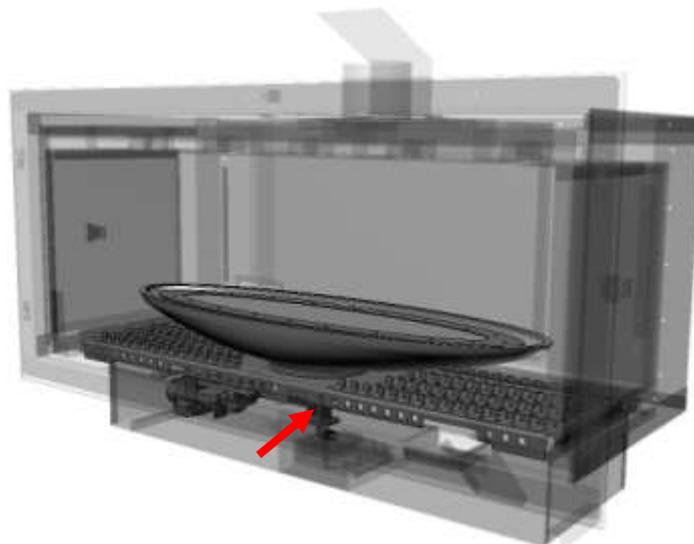


Fig. 126



## 11. Briefing & Handover to the Customer

Instruct the customer on the full operation of the appliance.

Warn the customer that the fire unit may give off a temporary odour; this is normal running in of the unit, and will disappear after a short period of use.

Inform the user that the appliance glass is only to be removed when servicing, and not to disturb or place items on the fire bed as this may disturb the combustion.

Inform the customer that it is recommended that a full service on the appliance and flue checks be carried out annually by competent person/s.

**Caution** - Make the user aware of the location of the isolation valve and tell the user to close the isolation immediately in case of malfunction / bad performance and to contact the installer in order to prevent dangerous situations.

The appliance is equipped with a sensor to monitor the function of the flue (TTB Switch) If the evacuation of the combustion products is interrupted (caused by lack of flue pull or blockage), the TTB will operate and shut the appliance off. If for any reason the fire does shut off, allow at least 5 minutes to elapse before attempting to relight as described in the "lighting instructions" section, on pages 65-69. If the appliance repeatedly shuts off after being re-started (as detailed in the 'Lighting instructions' section), a GAS SAFE registered engineer should be contacted to examine the appliance and installation.

Inform the user to always observe the appliance when lighting, once the acoustic signal stops the main valve then opens to 'High rate' allowing gas through to the main burner. The main burner should then light within 6 seconds *if this does not happen then the appliance should be turned off allowing 5 minutes before attempting to relight.*

Warn the user of the following points

- not to block vents and to check regularly and remove any blockages.
- not to block the air intake on the appliance.
- that all parts of the appliance will become hot while the appliance is running, so it is recommended that a guard conforming to BS8423: 2002 be used for the protection of young children, aged or infirm persons.
- not to stand too close to the appliance for prolonged periods of time; loose clothing is particularly at risk of burning, and that rubbish cannot be burned in the unit.
- against placing combustible material directly in front of the appliance. Floor coverings, such as carpets, are considered to be acceptable.

Ensure the installer details are filled in.

Hand over the installation manual to the customer.

## 12. Servicing & Maintenance

It is advised that the appliance is serviced annually by a qualified person to Local and National Regulations.

**Only carry out maintenance work when the appliance is cold.**

### Exchangeable Components List

Pilot unit	Seagas P4-41
Injector	Injector marked 1.8 (1x1.8mm)
Control Valve	GV60
Controls Box	Radio Frequency
TTB CH L120C fitted to GFL850Urn	

### Annual Maintenance.

Safety precautions must be taken when cleaning the appliance.

Ensure the appliance is cold before carrying out a service.

Isolate the appliance and disconnect the unit.

Always test for gas soundness and spillage after refitting the appliance.

Check the fire bed, pilot burner/ignition unit, for soot or debris deposits.

Replace all misplaced parts and retest.

On the failure of pilot burner/ignition or control valve, have the repairs carried out by a competent person.

### Inspecting the Flue / Chimney

The appliance must be serviced by a qualified person in accordance with local and national regulations.

An inspection of the flue / chimney must be carried out on an annual basis or if the appliance is suspected that it is not expelling the emissions correctly.

Check the effectiveness of the flue by carrying out a spillage check as shown on pages 49-51.

If the appliance fails, a further inspection of the flue must be carried out.

NOTE – To access the flue/chimney the appliance must be isolated and the burner assembly and inner casing removed.

Remove any debris such as soot, masonry etc.

If there are excessive amounts of debris the outer casing must be removed to clean the void around the appliance.

A spillage test must be carried out once the appliance has been fully reinstalled (see pages 49-51).

## Replacing the Glass Seal

The glass seal is a perishable item and at some point may need changing.

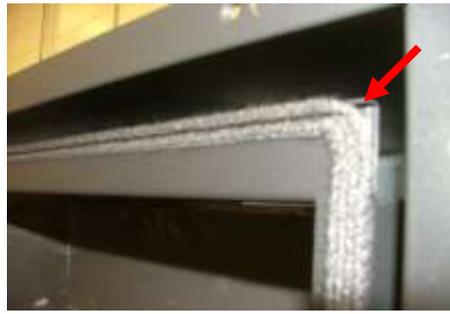
If the glass seal is frayed and starting to leak emissions then it must be replaced. The seal is available from most Chesney's suppliers.

Observe the old seal placement before removing, taking note of the top edge. Remove the old seal and clean off any dirt and old adhesive. Start from the bottom centre of the appliance (fig. 127) carefully adhere the seal around the edges then stick part of the seal on the lip across the top edge then press the seal into the fold (shown in fig. 128 below right) to ensure a good seal.

Fig. 127



Fig. 128



## Replacing the RF receiver control box

Carefully remove the burner and burner base to access the RF receiver control box remove the remaining wiring, undo the securing clip (fig. 129) lift the lever out of the reset button hole then remove the box out of the tabs on the bracket (fig. 130-132)

Fig. 129



Fig. 130

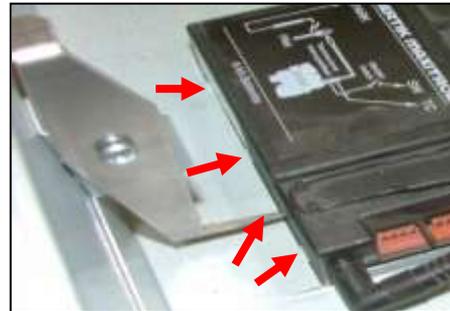


Fig. 131



Fig. 132



Refit a genuine replacement RF controls box  
**IMPORTANT** - When refitting ensure the controls box is fitted in the tabs, secured down and the lever tip located in the reset button hole.

### Replacing the ON/OFF switch (Fig. 133)

Carefully remove the burner and burner base to access the wiring for the ON/OFF switch. Disconnect the power supply (Fig.137). Remove the screw on the ON/OFF switch bracket (Fig.134, 135).

Slide out the ON/OFF switch out of the holder (Fig.136). Disconnect the switch lead from the controls box and release the spade connector from the interrupter block (Fig.138-140).

Fig. 133



Fig. 134



Fig. 135



Fig. 136



Fig. 137



Fig. 138

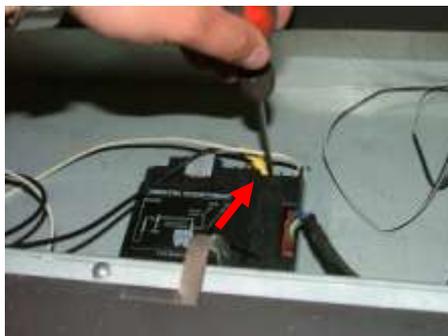
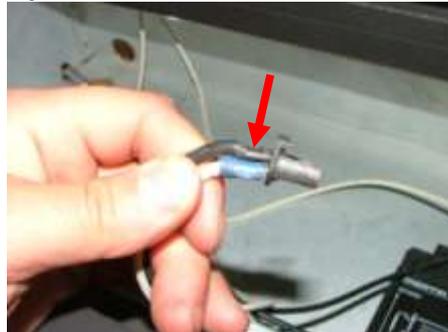


Fig. 139



Fig. 140



Only replace with genuine parts refitting in the reverse order.

## Pilot Removal

Work should only be carried out by a competent person and all gas work be carried out by a qualified person in accordance with national and local regulations.  
The pilot to be exchanged must be a genuine like for like part (see fig. 141 and 142)

Fig. 141  
**Part – Seagas P4-41**

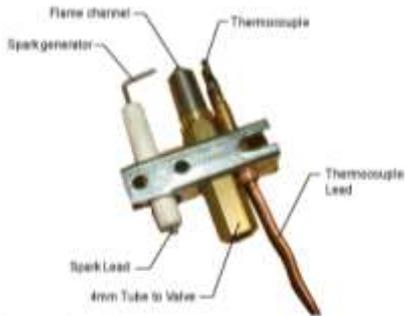
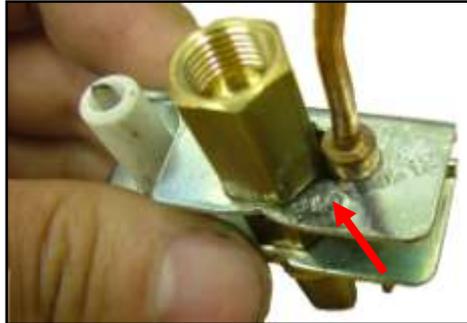


Fig. 142  
**Marking P441**



Ensure the appliance is cold before commencing work.

Remove the glass.

Isolate the appliance and remove the urn, burner and Rimex base.

Disconnect the main 8mm gas supply pipe from the test point, the battery extension lead and disconnect the wiring attached to the burner assembly.

Remove the pilot bracket screws (see fig. 143) Remove the spark lead (see fig. 144)

Fig. 143

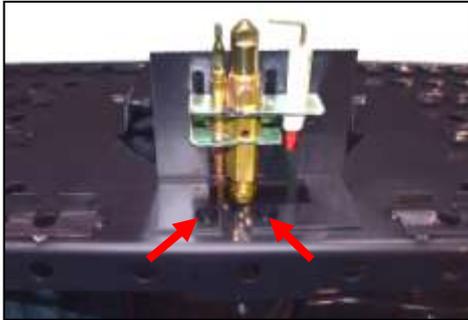
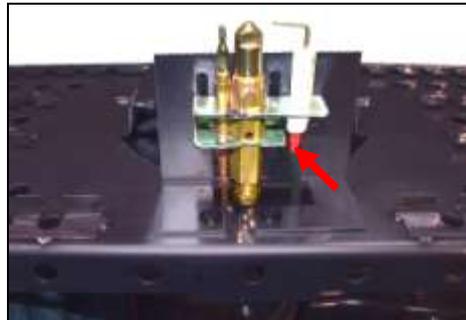


Fig. 144



Undo the 4mm pipe with a 10mm spanner (see fig. 145) and disconnect from the pilot.  
Remove the bracket (see fig. 146).

Fig. 145

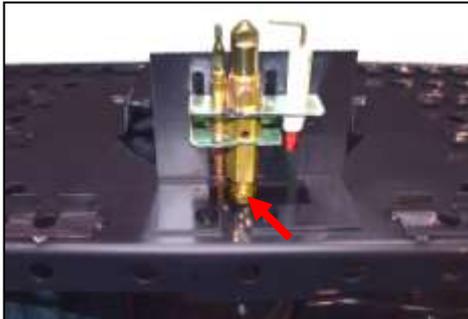
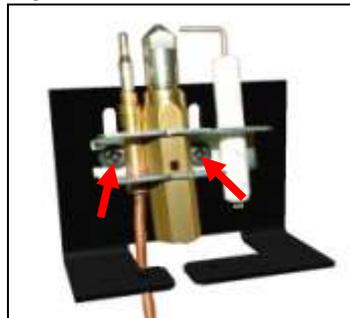
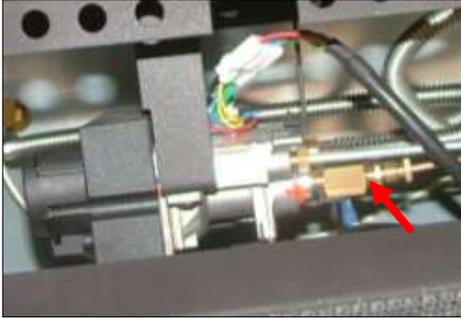


Fig. 146



Disconnect the thermocouple nut from the interrupter block at the rear of the control valve freeing the pilot (see fig. 147).

Fig. 147



Only replace with genuine parts refitting in the reverse order.  
Test for soundness on all gas connection joints.  
Check Spillage.  
Commission the appliance.

### **Control Valve Removal – Mertik GV60 (fully remote controlled)**

**Important Note** – Replace with a genuine Chesney's set valve, the valve must be purchased from a Chesney's supplier as the valve's 'high rate' and 'low rate' screws must be set.

Work should only be carried out by a competent person and all gas work must be carried out by a Gas Safe Registered person in accordance with national and local regulations.

Ensure the appliance is cold before commencing work.

Remove the glass.

Isolate the appliance.

Remove the urn and burner then lift the burner base

Disconnect the main 8mm gas supply pipe from the test point (see page 29)

Disconnect the battery extension lead (see page 29-30) and disconnect the wiring attached to the burner assembly.

### **GV60 Valve**

Fig. 148



Fig. 149

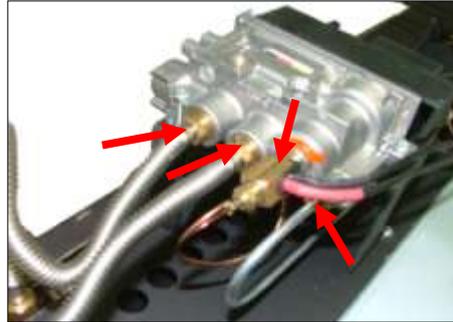


Remove the attachment screws (see fig. 150) Undo the pipework and remove the interrupter block (see fig. 151).

Fig. 150

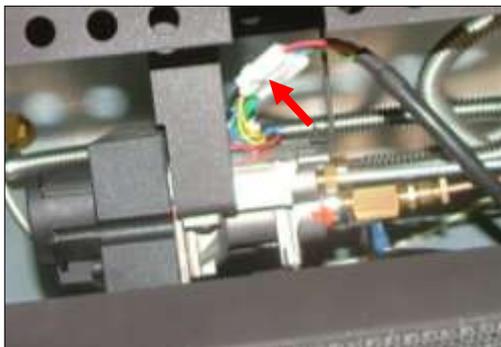


Fig. 151



Disconnect the 8 wire cable (see fig.152)

Fig. 152



Only replace with genuine parts refitting in the reverse order.  
Test soundness of all gas connection joints.  
Check Spillage.  
Commission the appliance.

## Removing the Injector

Work should only be carried out by a competent person and all gas work must be carried out by a Gas Safe Registered person in accordance with national and local regulations.

Ensure the appliance is cold before commencing work.

Remove the glass.

Isolate the appliance and remove the urn, burner and Rimex base.

Lift the burner base.

Disconnect the main 8mm gas supply pipe from the test point (see page 29)

Disconnect the battery extension lead (see page 29-30) and disconnect the wiring attached to the burner assembly.

Lift the burner base clear from the appliance. Disconnect the flexi tube using a 15mm spanner (see fig. 153) and remove both screws on either side of the injector (see fig. 154) to release the injector and bracket.

Fig. 153

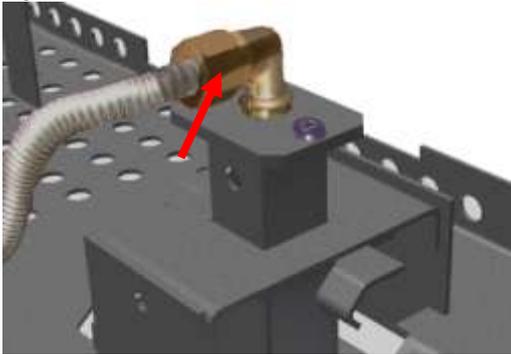
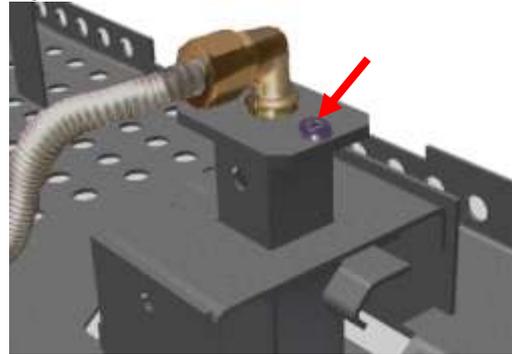


Fig 154



Remove the injector nut using a 13mm spanner (see fig. 155). NG Elbow Injector has a single hole markings are located on the nozzle (see fig. 156)

Fig. 155



Fig. 156



Only replace with genuine parts refitting in the reverse order.

Test soundness of all gas connection joints.

Check Spillage.

Commission the appliance.

## Removing the Panels

**IMPORTANT NOTE** – The burner assembly can only be removed by a qualified engineer.

Ensure the appliance is cold before commencing work.

Remove the glass (For glass removal see pages 15 & 16).

Remove the urn, burner and burner base assembly.

Remove the panel bracket and screw (see fig. 157) to release the side panel (see fig. 158)

Fig. 157



Fig. 158



Remove the back panel (see fig. 159).

Fig. 159



Remove the panel bracket and screw on the other side then lift the side panel out (see fig.160, 161).

Fig. 160



Fig. 161



Only replace with genuine parts refitting in the reverse order.

Test soundness of all gas connection joints.

Check Spillage.

Commission the appliance.

## Replacement of the TTB Heat sensor

**IMPORTANT** – The TTB must NOT be by-passed or put out of action.

TTB CH L120C fitted to GFL850Urn

Remove the urn and burner.

Remove the panels.

Behind the back panel is an access point to the TTB sensor (see fig. 162). Undo the 4 screws.

Remove the TTB connections (see fig. 163). Remove the TTB via the screws (see fig. 164).

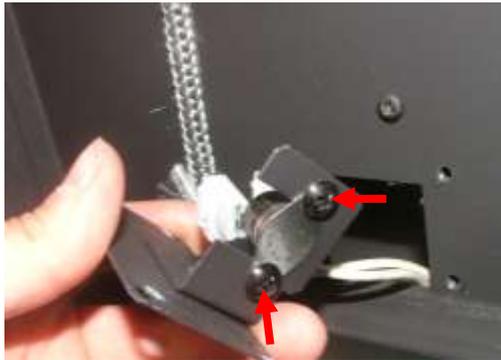
Fig. 162



Fig. 163



Fig. 164



Only replace with genuine parts refitting in the reverse order.

## 13. Fault Finding

Symptom	Check List
Unit does not respond.	Check Remote is working properly
	Check Battery power supply.
	Check wiring is correct.
Remote does not work.	Check Battery Power.
	Check aerial connection.
	Ensure the handset is paired
Hardwire switch does not work. (If fitted)	Check Switch is wired properly.
Unit clicks but no spark or weak spark.	Check spark lead is connected properly.
	Check spark electrode is in the correct area and the gap correctly distanced.
	Check spark lead is not arcing on other parts of the appliance
Unit sparks but does not light pilot.	Check for a good spark.
	Check the spark is in the correct area.
	Check if the ventilation is not too strong.
	Check if there is gas running through.
If there is no gas.	Check isolation tap/shut off valves are free from grease.
	Check isolation tap/shut off valve/s are on.
	Check for blockages.
If there is gas but pilot does not light	Check pressure is correct.
	Check for blockages.
	Check for draughts.
	Check the pilot gas slots are clear.
	Check for a clear spark
Pilot lights but does not light main burner	Check the pilot flame is heating the thermocouple.
	Check the thermocouple nut is properly tightened into the interrupter block.
	Check that the pilot lights early on ignition clicks.
	Check ventilation is not too strong.
	Check TTB connections
	Check TTB for fault. <b>IMPORTANT</b> – Only bypass to check if TTB is faulty the appliance TTB must <b>NOT</b> be left out of action.
Burner lights but turns off after a few minutes	Check thermocouple nut is properly secured to the interrupter block.
	Check ventilation is not too strong and the flame is not blowing off the thermocouple.
	Check gas pressure is correct.
	Check pilot and burner flame stability

The GV60 fully remote controlled system has audible beeps to indicate a problem with the system.

	Reason
No Beep	Impulse magnet not operating properly – Replace gas valve
1 Long Beep	ON (1)/OFF(0) Switch is on OFF position – Switch to ON (1)
3 Short Beeps	Low Batteries – Replace receiver batteries with 4x1.5V “AA” quality alkaline batteries

## 14. User Instructions

### General

The flue must be fitted in accordance with Local and National Regulations.

The flue must not be shared with any other appliance.

It is advised that flue specialist inspect the flue system on an annual basis to ensure that the flue system is sound and the combustion products outlet (terminal) is clear of obstruction.

It is highly recommended that a full service on the appliance be carried out annually by competent person/s.

The gas connection must be in accordance with Local and National Regulations.

Installation and servicing must be carried out by a competent person in line with relevant regulations.

**WARNING** – Do not use the appliance if the glass is broken, removed or is open.

Do not to block the air intake on the appliance.

Do not make changes to the appliance.

All parts of the appliance will become hot while the appliance is running, so it is recommended that a guard conforming to BS8423: 2002 be used for the protection of young children (i.e. in nurseries), aged or infirm persons.

Do not leave children and persons who cannot judge the consequences of their actions alone with a burning appliance and place the remote control out of reach.

Allow adequate clearances for curtains, pictures, soft furnishings, electrical appliances or any items that may get damaged through heat.

Curtains should not be positioned above the appliance.

Blown vinyl wall paper or coverings must not be used on the chimney breast where the appliance is fitted.

All parts of the appliance become hot while running and should therefore be considered to be a working surface.

It is also advised against placing combustible materials or soft furnishings directly in front or above the appliance. Floor coverings, such as carpets (up to the hearth), are considered to be acceptable.

Debris from any source, or soot formed, should be removed from time to time.

The appliance is equipped with a sensor to monitor the function of the flue (TTB Switch) If the evacuation of the combustion products is interrupted (caused by lack of flue pull or blockage), the TTB will operate and shut the appliance off. If for any reason the fire does shut off, allow at least 5 minutes to elapse before attempting to relight as described in the "lighting instructions" section, on pages 65-69. If the appliance repeatedly shuts off after being re-started (as detailed in the 'Lighting instructions' section), a GAS SAFE registered engineer should be contacted to examine the appliance and installation.

**Ventilation** – GB appliances over 7kW (net) requires permanent ventilation and should be fitted in accordance with BS 5440-2 and must be checked on a regular basis to ensure there is no obstruction.

The appliance when lit from cold will start off with a blue flame and will gradually turn more yellow as the flue, and appliance heat up.

### **Important Notes**

- The appliance must only to be opened for maintenance.
- The appliance must not be operated if the appliance glass is open, broken or has been removed.
- The appliance should always be observed when lighting.
- Improper installation, service, maintenance, adjustment or alterations may cause injury or property damage
- Do not disturb or place anything on the fire base as this will affect combustion.
- Do not operate the appliance if any part of the appliance is damaged
- The appliance must be installed and maintained by a suitably qualified heating engineer.
- Ensure this manual remains with the appliance.

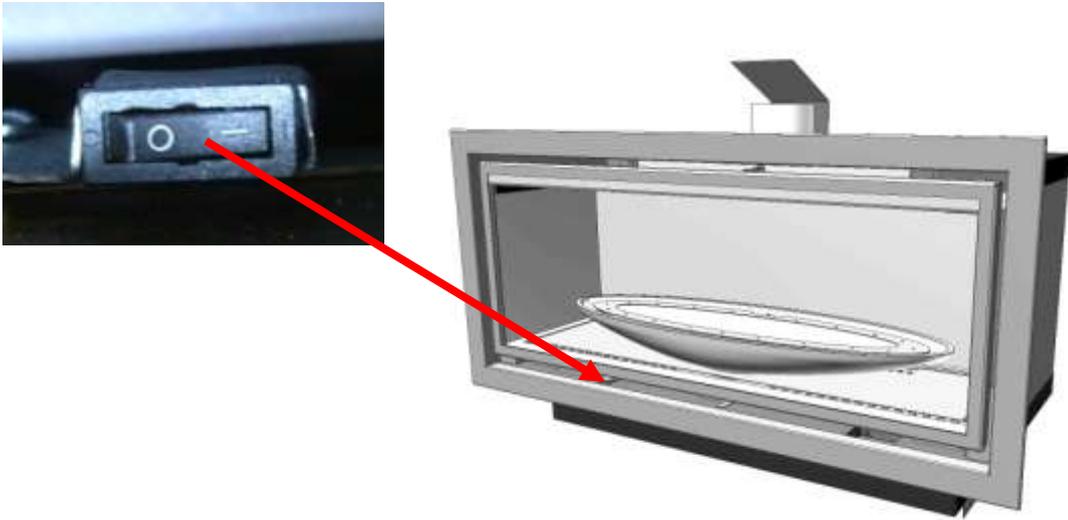
This appliance is manufactured by-

Chesney's Limited  
194 – 200 Battersea Park Road  
London  
SW11 4ND  
Tel: 020 7627 1410  
Fax: 020 7622 1078

## Lighting the Appliance

Check the On/Off switch is on (I) (see fig. 165)

Fig. 165



### On/Off Switch

The GV60 is fully remote controlled.

### **IMPORTANT NOTE - The appliance should always be observed when lighting.**

If the appliance makes a long beep when starting the appliance then the on/off switch is set on the OFF (O) position, switch the unit to the ON (I) position.

**Note** - If the handset is out of action or is not obtainable the appliance can be turned off by pressing the ON/OFF switch to the OFF (O) position (located on the left side of the appliance). Care must be taken when doing this as the appliance will be hot.

### Remote Control

The appliance's standard functions such as ignitions, controlling the flame height, standby (pilot burner) position and switching off are performed in the MAN position, the manual control of the remote control

In addition, the remote control can also be used to set a number of additional functions:

- Temperature display in degrees Celsius or Fahrenheit
- Time
- Thermostat function
- Timer for thermostat function

**Caution** - Although highly improbable, we cannot rule out that your appliance's ignition process can be started unintentionally through other remote controls. For example the remote control of your neighbours' gas heater, but also car keys and garage door openers. The result will be that your appliance will burn when you do not want it to.

Unintended ignition of your appliance could be solved or prevented by turning the ON/OFF switch or closing the gas tap near your appliance. This is the safest precaution if the appliance is not in use for long periods to turn the ON/OFF switch to the OFF position and to close the gas tap near your appliance.

Briefly pressing the SET button will go through the following functions:

MAN -> \* TEMP -> ) TEMP -> (P\*) TIMER -> MAN

Where, depending on the timer setting  
(P\*) is displayed as P1 \*, P1 ), P2 \*, P2 )

**NOTE** – To go back to the MAN position press the up ↑ or down ↓ arrow.

**Caution** When pressing the buttons (with the exception of the SET button) the transmission symbol (📶) will appear to indicate that the transmission is taking place between the remote control and the receiver.

The receiver acknowledges the transmission with a sound signal.

The appliance will automatically enter the standby position, if there is no transmission for 6 hours.

Set the remote control to the MAN position.

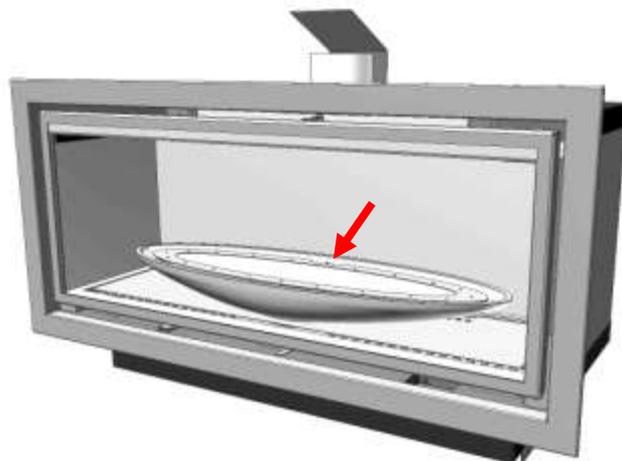
To light the appliance you must press and hold both buttons ⏻ ON and ↑ Up arrow button (see fig. 166) until a short acoustic signal is heard, this confirms that the starting sequence has begun; release the buttons. Continuing signals confirms the ignition is in process.

Fig. 166



The pilot (flame supervision device actuating flame) will light soon after the appliance has been activated and can be observed in the area shown below. (See fig. 167).

Fig. 167



If for any reason the fire does shut off, allow at least 5 minutes to elapse before attempting to relight. If the appliance repeatedly shuts off after being re-started a GAS SAFE registered engineer should be contacted to examine the appliance and installation.

The appliance will then light on High rate; if the appliance is cold it is advised to leave the burner on high rate for at least 20 minutes to warm up the flue before turning between the 'High and Low rates.

When the appliance has warmed the flame height can be adjusted between 'High and Low' by pressing and holding the 'Up Arrow'  button to increase flame, or pressing and holding the 'Down Arrow'  button to decrease flame height.

The pilot can just remain lit this is done by holding the 'Down Arrow'  button until the appliance turns off the main burner.

To go from the lit pilot to main, press and hold the 'Up Arrow'  button.

To turn off the fire unit completely press the  button.

### Restarting the Appliance

If the fire is extinguished or goes out in use, allow 5 minutes before attempting to restart following the lighting sequence.

If the fire shuts itself off repeatedly, do not use the fire, and have the flue and fire checked by a suitably qualified person.

If the appliance is not lighting after 4 ignition attempts, close the gas tap and call the installer.

Close the gas tap in case of malfunctions and / or poor operation and warn the installer.

### Temperature Display

The room temperature can be indicated on the display in degrees Celsius (°C) using a 24 hour clock or degrees Fahrenheit (°F) using a 12 hour clock.

Simultaneously press  OFF and the  'Down button', until the correct display appears.

### Time

The display can indicate time.

After placing the battery or simultaneously pressing  'Up button' and the  'Down button' the time indication will flash on the display and you will be able to adjust the time.

- Simultaneously press  'Up button' and the  'Down button' until the time indication flashes on the display.
- Press the button  'Up button' to set the hours.
- Press the button  'Down button' to set the minutes.
- Press  OFF to return to the MAN position, or wait for the system to automatically return to the MAN position.

## Thermostat Function

Using the thermostat function you can set two temperatures, which can be controlled thermostatically.

These temperatures are referred to as day temperature and night temperature.

The  TEMP and  TEMP symbols on the display refer to day and night temperature respectively.

The room temperature is compared to the set day/night temperature and then the flame height is automatically controlled in order to reach the set temperature.

To be able to use the day/night temperature function, the appliance must be in the standby position.

**Caution** When using the thermostatic function always leave the remote control in a suitable area so that the thermostat is able to sense the ambient room temperature taking note of influences such as draught, heat from radiators, direct sunlight.

## Setting Day/Night Temperature

By pressing the SET button the functions are as follows:

MAN ->  TEMP ->  TEMP -> (P\*) TIMER -> MAN

- Briefly press the SET button to enter the  TEMP or the  TEMP position.
- Press the SET button until the temperature on the display flashes.
- Set the required temperature by using the button  'Up button' and the  'Down button'.

**Caution** The minimum temperature is 5°C/ 40°F

Control of the night temperature is switched off by lowering the temperature until two dashes '—' appear on the display.

Press the  OFF button or wait until position  TEMP or  TEMP appears on the display.

## Activating the Thermostat Function

For activating the thermostat function, you must proceed with the following steps.

Place the appliance in the standby pilot burner position using the  'Down button'

Set the day/night temperature

Choose the  TEMP or  TEMP function using the SET button.

## Timer For Thermostat Function

The default settings are as follows:

Program 1 (P1): P1:  6.00am P1  : 8.00am

Program 2 (P2): P2:  4.00pm P2  : 10.00pm

The appliance must be in the standby position in order to be controlled by the timer.

## Setting Times for the Timer

To set the timer, proceed as follows:

- Set the day and night temperature as described above
- Briefly press the SET button to enter the (P\*) TIMER position.
- Hold the SET button until P1  is displayed and the time flashes.
- Set the time of P1  using the  Up button and the  Down button.

- Press again to set the off time P1 ) using the ↑Up button and the ↓Down button.
- Press again to set the P2 \* using the ↑Up button and the ↓Down button.
- Press again to set the off time P2 ) using the ↑Up button and the ↓Down button.
- Press the ⏻ OFF button or wait until position (P\*) TIMER appears on the display to save your changes.

### **Activating the Timer Function**

Follow the steps below for activating the timer control:-

- Place the appliance in the standby (pilot burner) position using the ↓Down button
- Set the day/night temperature if you have not yet done so.
- Choose the (P\*) TIIMER function using the SET button.

### **Automatic Turn Down**

#### **6 Hours No Communication Function (CE & CSA Versions)**

Manual Mode / Temperature / Timer Mode: The valve will turn to pilot flame if the batteries in the handset are low or if the handset is out of communication range for a 6 hour period.

#### **6 Hour No Communication Function (CSA Version)**

Manual Mode / Temperature / Timer Mode: The valve will turn to pilot flame if there is no change in flame height for a 6 hour period. In Temperature / Timer Mode if the ambient room temperatures changes, the flame height will adjust automatically to maintain set temperature, and the fire will continue to function normally. The valve will turn to pilot flame if the set temperature and the ambient room temperature remain the same over a 6 hour period.

#### **Receiver Overheating (For Module Versions only)**

Valve turns to pilot flame if the temperature in the receiver is higher than 140°F (60°C). The main burner will come back on only when the temperature is below 140°F (60°C).

#### **1 Hour Turn Down For Special Receiver (Bedroom Fireplaces Only)**

The valve will turn to pilot flame if there is no change in flame height over a 1 hour period.

### **AUTOMATIC SHUT OFF**

#### **Low Battery Receiver**

With low battery power in the receiver the system shuts off the fire completely. This will not happen if the power supply is interrupted.

#### **Five Day Shut Off (CSA Version)**

The system shuts off the fire completely if there is no change in flame height for 5 days.

## Changing the Batteries

The batteries will require changing yearly (based on the average usage) this may differ depending on usage and on the quality of battery, the battery change is best done on the annual service of the appliance.

However if the appliance is showing signs of diminishing signal or during the lighting sequence then the batteries may need changing.

Firstly replace the handset battery before attempting to change the fire unit battery (see fig. 168)

### Remote Handset Battery

3 x 1.5V AAA  
(Quality alkaline recommended)

Fig. 168



### Receiver Batteries

4 x 1.5V "AA"  
(Quality alkaline recommended)

If the batteries are running low you will hear 3 short beeps from the control box.

Ensure the appliance is cold.

The battery compartment is located in the base of the appliance on the right side (see fig. 169) pull the ribbon to retrieve the battery holder (see fig. 170) remove the screw and replace the batteries in the directions indicated in the compartment (see fig. 171, 172). Check the connections are secure before replacing the box back in the appliance.

Fig. 169

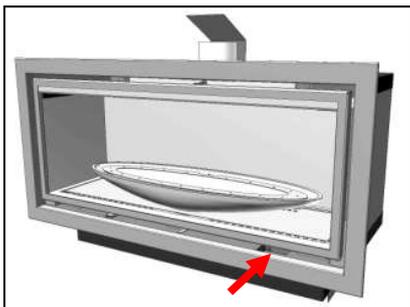


Fig. 170



Fig. 171



Fig. 172



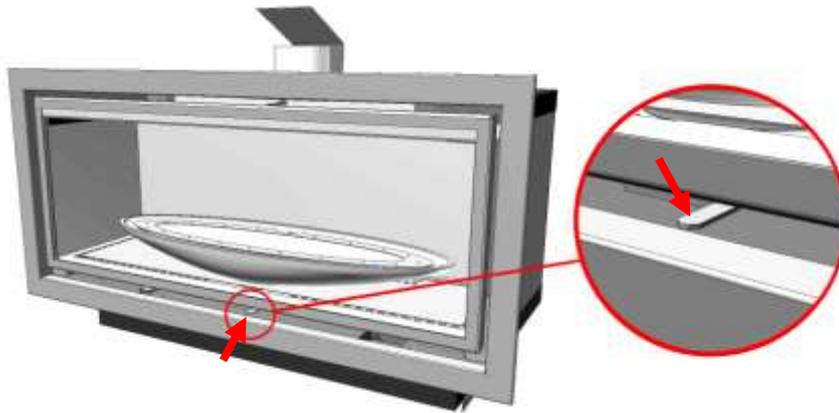
## Resetting the Appliance

### **IMPORTANT – Ensure the appliance is cold.**

If the appliance is functioning incorrectly the reset button on the controls box can be reset by pushing down the lever then releasing as soon as a beep has been heard (**do not hold**) (see fig. 173).

This will then reset the system.

Fig. 173



## Cleaning

Cleaning should only be carried out when the fire is turned off and cold.

This appliance contains no asbestos.

### **Cleaning Paintwork**

Use a clean soft dry brush to remove dirt and debris from the appliance.

If the appliance has ingrained dirt use soapy water to dampen a soft cloth and use to clean.

### **Cleaning Glass**

The glass is specially formulated to withstand very high temperatures use a mild glass cleaner. Use a soft cloth to avoid scratches that may weaken the glass.

Follow instructions for removing the glass.

#### **Important Notes**

- Ensure the appliance is cold.
- Care must be taken when using the allen key to prevent damage to paintwork.
- Ensure the glass is clean on both sides as dirt; oils etcetera can etch the glass.
- Do not clean with abrasive materials as this can accelerate dirt accumulation and weaken the glass.
- Ensure the glass is fitted correctly to avoid spillage.
- Check spillage after carrying out work.

The glass may collect a white powdery residue on the inside of the glass this is a combination of minerals and acids in the gas.

It is known the longer left on the glass the harder it is to remove. It is recommended to use 'White Off' by Rutland or 'Brasso' following the directions specified on the bottle. This can be purchased from fireplace companies / hardware supplies.

## **Burner Bed**

For removing the glass please read instructions on pages 15-16 for refitting pages 31-32 for securing the glass.

NOTE – The burner bed material used to spread the flame can irritate the skin when handled and is advised to wear suitable safety equipment when cleaning products inside the appliance. It is advised to wear protective gloves and a dust mask conforming to EN 149:2001+A1:2009 FFP3 (available from most DIY shops).

It is necessary to clean the fire if debris or soot deposits have accumulated. Use a soft brush to clean the burner top.

IMPORTANT NOTE - The material used on the burner bed is extremely fragile; care must to be taken when handling this product to avoid damage. **Warning** - Do **NOT** use a vacuum to clean the burner bed.

It is advised that an experienced Chesney's approved person replace the material.

Only use genuine Chesney's parts.

## 15. Installer Check List

<b>Flue Checklist</b>	<b>PASS</b>	<b>FAIL</b>
Flue Size		
Flow test		
Spillage test		
<b>Gas Checklist</b>	<b>PASS</b>	<b>FAIL</b>
Soundness		
Standing Pressure		
Working Pressure		
<b>Ventilation</b>	<b>PASS</b>	<b>FAIL</b>
Ventilation requirements for appliance		

## 16. Dealer and Installer Information

<b>Dealer and Installer Information</b>	
Dealer	Installation Company
Contact No.	Gas Safe Registered Engineer
Date of Purchase	Contact No.
Model No.	Gas Safe Register No.
Serial No.	Date of Installation
Gas Type	

## 17. Annual Service Record

### Annual service record Year 1

Gas Safe Registered Engineer
Contact No.
Gas Safe Register No.
Date of Service

### Annual service record Year 2

Gas Safe Registered Engineer
Contact No.
Gas Safe Register No.
Date of Service

### Annual service record Year 3

Gas Safe Registered Engineer
Contact No.
Gas Safe Register No.
Date of Service

### Annual service record Year 4

Gas Safe Registered Engineer
Contact No.
Gas Safe Register No.
Date of Service

### Annual service record Year 5

Gas Safe Registered Engineer
Contact No.
Gas Safe Register No.
Date of Service

### Annual service record Year 6

Gas Safe Registered Engineer
Contact No.
Gas Safe Register No.
Date of Service