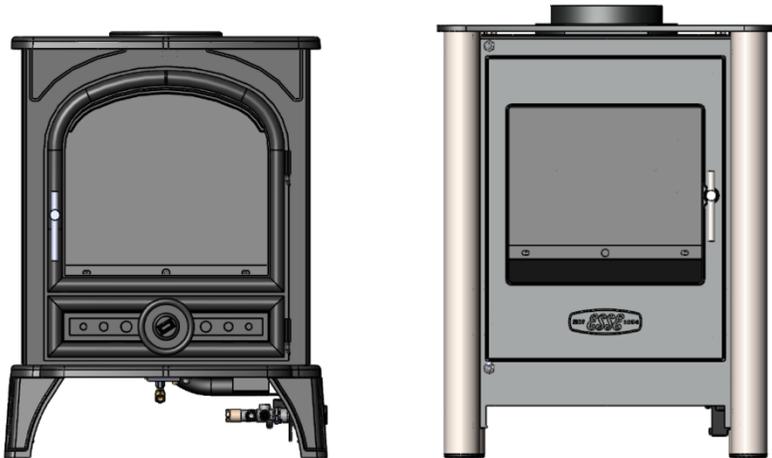


# ESSE

G500/G525

GAS FIRED STOVE



INSTALLATION, USER & SERVICING INSTRUCTIONS  
(TO BE LEFT WITH THE CUSTOMER)

UK & IRELAND

*G500/G525*

*For use in UK & Ireland on Natural gas at a supply pressure of 20mbar or  
Propane at a supply pressure of 37mbar*



GB

IE

# INSTALLATION INSTRUCTIONS

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## IMPORTANT NOTES

- This stove is a fuel effect radiant convector. Before installation, ensure that the local distribution condition (identification of the type of gas and pressure) and the adjustment of the appliance are compatible. The data label is located at the rear of the stove. The installation must be in accordance with these Instructions and National Regulations and must be carried out by a qualified installer.
- Any flue damper plate or flue restrictor must be removed or fixed permanently in the fully open position, or shall only be fitted in accordance with National Regulations.
- If the chimney has previously been used to burn solid fuel, the chimney should be swept before the stove is installed.
- Before the stove is installed a flue test in accordance with National Regulations should be carried out. The gas connection must be in accordance with National Regulations.
- The stove is fitted with a spillage monitoring system consisting of a thermal switch connected to a thermocouple interrupter. This system is not adjustable, and must not be put out of action. If any parts of the spillage monitoring system require replacement only original manufacturers' parts must be used.
- All surfaces except the control knob and battery housing are considered to be working surfaces.
- The stove should not be used for any other purpose than as a room heater and a decorative stove.

## TECHNICAL INFORMATION

### Natural Gas Settings

G500/G525		
GAS		
GATEGORY	I <sub>2H</sub>	I <sub>2L</sub>
HEAT INPUT (NETT) HIGH/LOW	4.87kW/1.96kW	4.87kW/1.96kW
SUPPLY PRESSURE	20 mbar	25 mbar
INJECTOR SIZE	82/320	82/320
GAS CONNECTION	8mm O.D. Tube	8mm O.D. Tube
COUNTRIES OF DESTINATION	CH, CZ, ES, FI, GB, IE, IT, PT & SE	NL

### LPG Settings

G500/G525	
GAS	
GATEGORY	I <sub>3p</sub>
HEAT INPUT (NETT) HIGH/LOW	4.23kW/1.96kW
SUPPLY PRESSURE	37 mbar
INJECTOR SIZE	92/130
GAS CONNECTION	8mm O.D. Tube
COUNTRIES OF DESTINATION	CH, CZ, ES, FR, GB, IE & PT

# DIMENSIONS AND CLEARANCES

Fig 1a – G525 Dimensions

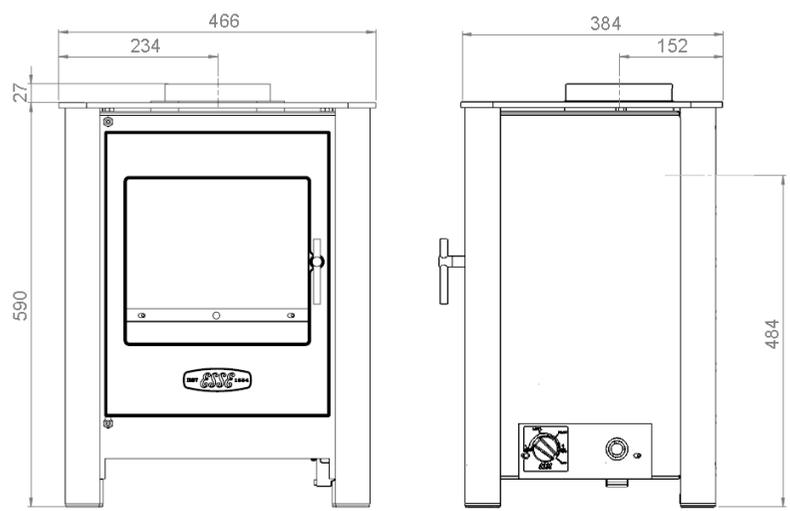
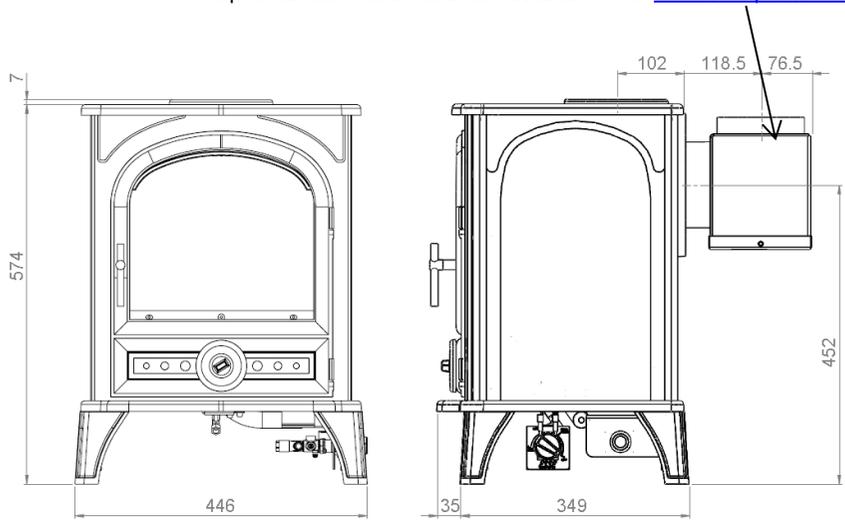


Fig 1b – G500 Dimensions

Optional rear flue attachment available from [www.esseparts.com](http://www.esseparts.com)



## INSTALLATION

Install the stove in accordance with the requirements given below. If a concealed gas connection is to be made prepare the pipe work prior to installing the stove.

### Positioning the Stove

Clearances from non-combustible material in the fireplace opening must be at least 50mm on the left side, 150mm on the right hand side and 75mm at the back. These distances must be extended to a minimum clearance of 400mm from any combustible material.

### Hearth

The stove must stand on a fireproof hearth made of non-combustible material of a minimum thickness 12mm and be of sufficient size to accommodate the stove (see Fig.1a/b).

### Fire Surround & Shelves

It is recommended that a fire surround should not be closer than 400mm from the stove, if manufactured from a combustible material.

A combustible shelf may be fitted provided that it is not more than 150mm deep and there is at least 400mm clearance from the top of the stove.

### Coal Arrangement

The coals/logs should only be arranged as shown in the layout given in the Installation Instructions by a qualified person.

The stove must only be fitted with the ceramics supplied. **DO NOT** use any extra coals or logs.

### Flue Connection

- The flue should be a minimum of 3m high and at least 125mm diameter or equivalent area.
- Horizontal or negative gradients in the flue pipe should be avoided.
- It is recommended that a minimum height of 610mm from the stove should be established before any significant change in the direction of the flue.
- An optional rear flue attachment is available as an accessory from [www.esseparts.com](http://www.esseparts.com) (see Fig.1b).

### Ventilation

Ventilation should be in accordance with National Regulations. In the United Kingdom, purpose provided ventilation is not normally required, except in new build houses.

For Republic of Ireland refer to I.S813 issued by the National Standards Authority of Ireland.

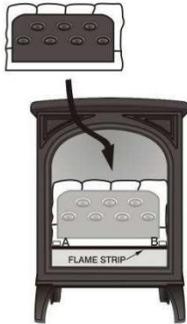
### Gas Connection

- The gas supply connection is at the right hand side of the stove on the gas valve.
- A nut and olive (strapped to the valve body), tail pipe and a pressure test elbow are supplied with the stove for easy connection.
- The gas supply should incorporate a service tap, be purged and any loose matter removed.
- Connect the gas supply pipe and check for gas soundness.

## Positioning the Coals

**500 Series:** Remove the spinner and remove the screw securing the door and open the stove door.

**525 Series:** Remove the door locking screw and open the stove door.



Position the back board onto the burner tray ensuring it is correctly seated behind Tab 'A' and that the flame strip is not obstructed.



Position the front coal piece under the flame strip, ensure that the pilot hole and flame strip are not obstructed.

**PLACE THE COALS AS RANDOMLY AS POSSIBLE FOR THE BEST FLAME EFFECT**



**ROW 1  
(4 COALS)**



**ROW 2  
(5 COALS)**



**ROW 3  
(4 COALS)**

Lay the thirteen coals as shown.

- ⚠ DO NOT add any extra logs or coal.
- ⚠ DO NOT force coals down between the spacers on the backboard, or between the back board and front coal piece.

Close the stove door. Replace the door securing screw if fitted.

Under no circumstances should the stove be operated with the door open, without the door attached or the glass in the door damaged.



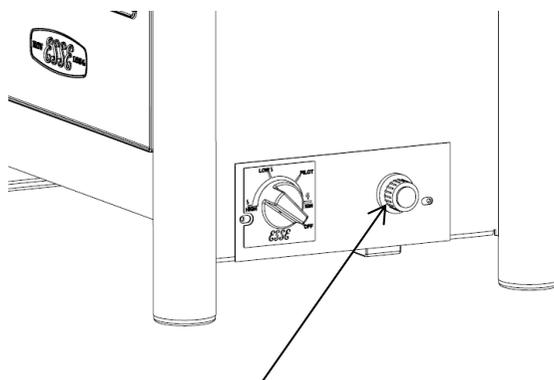
**WARNING**

Under no circumstances should the stove be operated with the door open, without the door attached or the glass in the door damaged, broken or missing

## COMMISSIONING THE STOVE

- The stove is fitted with a pilot light, pulse spark ignition and flame-sensing device.
- The control knob is located behind the right-hand foot of the stove.
- The pilot light is centrally located.
- Should the stove be extinguished for any reason wait 3 minutes before attempting re-ignition.
- Connect a suitable pressure gauge to the pressure test point.
- Fit AA battery to spark generator as shown below
- 

Fig 6 – Battery Compartment



1. Unscrew battery cover to fit battery.
2. Replace battery
3. Refit battery cover.

### Lighting the Pilot

Depress control knob fully. Whilst depressed turn knob slowly through 80° anti-clockwise to **PILOT** setting. Continue to depress the control knob, the pulse spark ignitor should be heard and the pilot should light. Repeat until pilot is visibly lit. If necessary, the operation of the spark can be viewed by temporarily opening the front door.

Keep knob depressed at this point for 10-15 seconds and release the knob. The pilot light will remain lit.

### Low Setting

If the pilot is not already lit, light the pilot as instructed.

With control knob at **PILOT** setting, depress and turn anti-clockwise to **LOW** setting and release the knob.

### High Setting

If the stove is not already lit on **LOW** setting, ignite stove to **LOW** setting as instructed.

Turn the control knob anti-clockwise until the **HIGH** setting is reached. Check that the supply pressure and/or setting pressure are in accordance with that given in the TECHNICAL INFORMATION section.

### Turning the Stove OFF

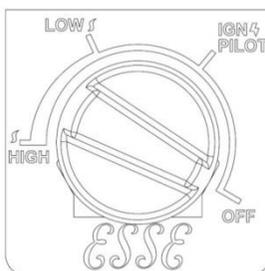
From any heat setting, depress control knob fully and turn clockwise to **PILOT** position.

Disconnect the pressure gauge, replace the test point sealing screw and test for gas soundness.

### Turning the Pilot OFF

From any heat setting or the **PILOT** position, depress control knob fully and turn clockwise to **OFF** position.

Fig 7 – G500/G525 Contemporary C series control knob.



## CHECK FOR SPILLAGE

Close all doors and windows in the room containing the appliance. Light the stove and turn the control knob to 'HIGH', leave the appliance for 5 minutes.

Apply a smoke match along the bottom edge of the draught diverter. The installation is satisfactory if the smoke is drawn into the stove. If in doubt wait a further 10 minutes and then repeat the test.

If there is a nearby room with an extractor fan the spillage test should be repeated with the fan running and all connecting doors between the stove and the fan left open.

If in doubt disconnect the appliance and seek expert advice.

### CUSTOMER BRIEFING

- Hand these Instructions and the Users Instructions to the customer.
- Advise the customer how to use the stove.
- Explain to the customer that the stove has a flame failure and spillage monitoring system.
- Point out the explanation of this system is in the Operating the Stove section of the instructions.
- Advise that if the monitoring system repeatedly shuts off the stove, it should be switched off and a specialist consulted.
- Advise that if the fire goes out for any reason, wait at least three minutes before re-lighting.
- Advise the customer that the stove should not be used at a lower setting than the 'LOW' position.
- Advise the customer that due to the newness of materials the stove may give off a slight smell for a period of time after commissioning. This is quite normal and any odours should disperse after a few hours operation.
- Stress that no extra coals must be added over and above those supplied with the appliance and that any replacements must only be authorized ESSE spares.
- Recommend that the stove is regularly serviced and the flue system checked by qualified persons.

Installer's Name	Installer's Telephone Number
Installer's Company	Appliance Serial Number

## USER INSTRUCTIONS

### CONTENTS

General Notes	Page 11	Spillage Monitoring System	Page 14
Important Notes	Page 11	Battery Replacement	Page 14
Positioning the Coals	Page 12	Cleaning	Page 15
Operating The Stove	Page 13		

### GENERAL NOTES

- This stove has been individually designed to add charm and character to your home. Providing a highly efficient heat source, the stove has the look and charm of a wood burning stove coupled with the convenience of clean burning gas.
- Due to the newness of materials the stove may give off a slight smell for a period of time after commissioning. This is quite normal and any odours should disperse after a few hours operation.

### IMPORTANT NOTES

- The installation must be in accordance with National Regulations and must be carried out by a qualified installer. Under no circumstances should the appliance be operated with the door open, without the door attached or the door glass damaged broken or missing.
- All surfaces except the control knob and battery housing are considered to be working surfaces. Most parts of the stove will get hot during and after use. If young children, the elderly or infirm are likely to be near the stove, then a suitable fireguard to BS8423 is recommended.
- Do not drape clothes, fabrics or other combustible materials over the stove.
- Curtains must be at least 400mm above the top of the stove.
- A combustible shelf may be fitted over the appliance provided that in the case of a 150mm or less deep shelf there is at least 400mm clearance above the top of the stove.
- The stove should not be used for any other purpose than as a room heater and a decorative stove.

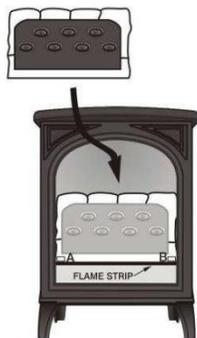
## POSITIONING THE COALS

The coals should only be arranged as detailed below and by a qualified person.

The stove must only be fitted with the ceramics supplied. **DO NOT** use any extra coals or logs.

**500 Series:** Remove the spinner and remove the screw securing the door and open the stove door.

**525 Series:** Remove the door locking screw and open the stove door.



Position the back board onto the burner tray ensuring it is correctly seated behind Tab 'A' and that the flame strip is not obstructed.



Position the front coal piece under the burner tray, ensure that the pilot hole and flame strip are not obstructed.

**PLACE THE COALS AS RANDOMLY AS POSSIBLE FOR THE BEST FLAME EFFECT**



**ROW 1  
(4 COALS)**



**ROW 2  
(5 COALS)**



**ROW 3  
(4 COALS)**

Lay the thirteen coals as shown.

- ⚠ DO NOT add any extra logs or coal.
- ⚠ DO NOT force coals down between the spacers on the backboard, or between the back board and front coal piece.

Close the stove door. Replace the door securing screw if fitted.

Under no circumstances should the stove be operated with the door open, without the door attached or the glass in the door damaged.



**WARNING**

Under no circumstances should the stove be operated with the door open, without the door attached or the glass in the door damaged, broken or missing

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## **OPERATING THE STOVE**

The stove is fitted with a pilot light, pulse spark ignition and flame-sensing device.

The control knob is located behind the right-hand foot of the stove.

The pilot light is located towards the front of the burner.

Should the stove be extinguished for any reason wait 3 minutes before re-ignition is attempted.

The stove should not be used at a lower setting than the **LOW** position.

### **Lighting the Pilot**

Depress control knob fully. Whilst depressed turn knob slowly through 90° anti-clockwise to **PILOT** setting.

Continue to depress the control knob, the pulse spark ignitor should be heard and the pilot should light. Repeat until pilot is visibly lit.

If the pulse spark generator cannot be heard, the battery may need replacing – see page 14.

Keep knob depressed at this point for 10-15 seconds and release the knob. The pilot light will remain lit.

### **Low Setting**

If the pilot is not already lit, light the pilot as described above.

With control knob at **PILOT** setting, depress and turn anti-clockwise to **LOW** setting and release the knob.

### **High Setting**

If the stove is already lit on **LOW** setting, ignite stove to **LOW** setting as described above.

Turn the control knob progressively in an anti-clockwise direction until the desired level is achieved, up to the **HIGH** setting.

## Turning the Stove OFF

From any heat setting, depress control knob fully and turn clockwise to **PILOT** position.

## Turning the Pilot OFF

From any heat setting or the **PILOT** position, depress control knob fully and turn clockwise to **OFF** position.

## SPILLAGE MONITORING SYSTEM

The stove is fitted with a spillage monitoring system which senses any excess temperature due to a flue restriction or blockage. In this event the gas supply is automatically turned off.

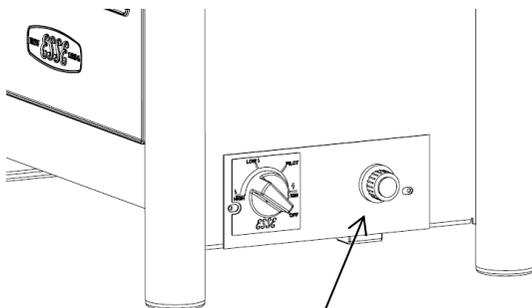
Should this occur then turn the control knob to the **OFF** position and wait approximately 10 minutes for the switch to automatically reset. Re-light the stove as described in OPERATING THE STOVE section (page 13). If the stove repeatedly shuts itself off, **DO NOT** use the stove and have the flue system checked by a qualified person.

This spillage monitoring system is not adjustable and must not be put out of action.

## BATTERY REPLACEMENT

The battery required is a good quality AA size. This should only be replaced when the stove is cold.

Fig 11 – Battery Compartment



1. Unscrew battery cover to fit battery.
2. Replace battery
3. Refit battery cover.

## CLEANING

Ensure that the stove is turned off before cleaning and is cold.

DO NOT use abrasive cleaning agents.

The stove is supplied with ceramic coals that should only be cleaned and arranged by a qualified person in accordance with the Installation Instructions.

## SERVICING

It is essential that the stove is regularly serviced, and the flue system checked by a qualified person.

### Servicing Instructions

The stove is fitted with a spillage monitoring system consisting of a thermal switch connected to a thermocouple interrupter. This system is not adjustable and must not be put out of action. If any parts of the spillage monitoring system require replacement only original manufacturers' parts must be used.

The thermal switch rating is 120°C. Quote this rating if ordering a new switch.

1. The following servicing procedure should be carried out regularly and only by a qualified person.  
Ensure that the fire is turned off and is cold.
2. If fitted, remove the screw securing the door handle and open the stove door.
3. Remove the ceramics in the reverse order to that described in POSITIONING THE COALS section (p.7).
4. Remove and deposition of dirt, lint etc. carefully from the burner flame strip, tray and pilot assembly with a soft brush.
5. Due to the intense temperatures reached in the fire, some surface cracks may appear on the ceramic components. This is quite normal and will not affect the safe operation of the fire.
6. Replace the ceramics as described in the POSITIONING THE COALS section (p.7).
7. Close the stove door; replace the screw securing the door handle or door.
8. Check the supply pressure as described in the TECHNICAL INFORMATION section (p.3).
9. Ensure correct operation of the flue as described in CHECK FOR SPILLAGE section (p.9).



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