



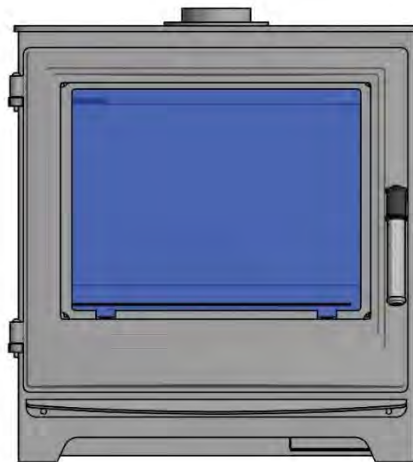
ARGON

F650 & F900

Standard & Wide Models

Balanced Flue Gas Stove

Natural Gas & LPG



INSTALLATION, SERVICING AND USER OPERATING INSTRUCTIONS

For use in IE & GB (Ireland & UK).

Installation Information

Please complete the following form for reference when required:

Ref.	Description	Please Complete
1	Which retailer did you purchase the stove from?	Name & Address of Retailer:
2	What date did you purchase your new stove?	Date:
3	What was the name of the gas fitter that installed your stove?	Full Name: Contact Number:
4	What is the installer Gas safe / rgii Registration Number?	Gas safe / rgii Registration No.:
5	What is the serial Number of your stove? <i>This can be found inside the front door above the bottom hinge</i>	Serial Number:
6	What date was your stove installed?	Date:
7.	The Waterford Stanley Name, Model & Gas Type reference for this stove is	Name – ARGON Model – F650 or F900 Gas Type – Natural Gas or LPG

Technical Data Summary:		ARGON F650 Data		ARGON F900 Data	
Ref.	Description	Natural Gas	LPG	Natural Gas	LPG
1	Maximum Heat Output – High Flame	6.2 kW	4.4 kW	7.2 kW	6.3 kW
2	Minimum Heat Output – Low Flame (approx.)	2.0 kW	1.8 kW	2.5 kW	2.2 kW
3	Efficiency %	81%	81%	81%	81%
4	European Energy Label Rating	“A”	“A”	“A”	“A”

Who Can Fit My New Waterford Stanley Gas Stove:
For ROI visit www.rgii.ie/ to find a registered gas installer.

For UK, before the Gas Engineer can commence working on this stove they must be Gas Safe - qualified and registered for Natural Gas and/or LPG to install, commission and service this stove to the Domestic Gas Safety (CCN1) standard as a minimum and also have the (HTR 1) Category on their Gas Safe Individual Register listing which can be verified at www.gassaferegister.co.uk

HTR 1 - Category = Fire/Space Heater - Competent in the install, exchange, commission, disconnect, service, repair, safety checking and break down of domestic gas fires, wall heaters, convector heaters, stoves and flueless gas fires.

*The installation of this stove is Notifiable Under Building Control –
Building Regulation 2002 Part J (for the UK)*



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1.0 General Notes

This Waterford Stanley Stoves gas appliance is a High Efficiency, Balanced Flue Log Fuel Effect appliance. It provides radiant and convectional heat using the latest burner technology, as well as having a variable heat output.

Before Installation, check that the local distribution conditions, nature of the gas and pressure, and adjustment of the appliance are compatible.

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

This Gas Installation **may only be installed by a registered professional competent person (Gas Safe installer in the UK, RGII in ROI)**. The installation must adhere to the requirements of the local and national Building regulations and national standards. This installation manual must also be followed.

Ensure that the Flue Terminal is not in any way obstructed and is clear of vegetation, i.e. trees, shrubs etc. and that no objects are leant against the terminal or guard.

Always clean the Window Panel before the fire is ignited. Any finger prints must be removed, as these will be burnt into the glass and will be un-removable.

Do not operate this appliance if the glass panel has been broken (or cracked), removed or with firebox access panels open.

Only flue approved by Waterford Stanley Stoves for this appliance may be used.

This appliance is a balanced flue product and is room sealed and as such requires no additional ventilation for operation. However an adequate supply of fresh air to maintain temperatures and a comfortable environment is recommended.

This appliance is designed as a heating appliance, and as such will get very hot in operation; all surfaces are considered to be working surfaces and as such should not be touched. The front door window and surrounds are not considered to be fully secure guards against accidental contact. It is recommended that an approved fire screen be used if children, the elderly or persons with limited mobility are to be present in the same area.

Do not place curtains, laundry, furniture etc. within a safe distance of 1000mm (HOT ZONE) of this appliance when in operation

Do not attempt to burn rubbish on this appliance.

Only use the Waterford Stanley approved Ceramic Logs and embers

If this appliance is extinguished (turned off), on purpose or otherwise, no attempt to relight should be made within 5 minutes as the two thermocouple inside the stove needs to reset automatically when the firebox heat reduces accordingly

1.1

Special Notice for LPG Fuel Type:

Important Notice –

Please read carefully for all LPG stove installations

This manual covers the fuel type Natural Gas and LPG versions

This is a Mandatory Requirement for Natural Gas & LPG - the gas feed pipe to the rear/side of this stove must be a minimum of 16mm in diameter this will ensure the correct pressure and flow to the stove. Plus a ON/OFF tap with a test point must be fitted just before the 8mm stove pipe is connected

LPG Specific – Please Read

If this stove is LPG it will only operate at 37.5 mb of supply pressure (+/- 5% tolerance)

If you have other LPG appliances in your home such as cooker or central heating boiler this stove must be fed directly from the main feed pipe to the other LPG appliances. The other appliances must be balanced so each appliance is supplied with sufficient gas pressure and flow to operate

For this stove to work correctly you must maintain a constant supply pressure of 37.5 mbars (+/- 5% tolerance) to the ON/OFF tap and test point at the side of this stove

37.5 mbars of supply pressure must be maintained and tested at the stove test point when other appliances in the property are running on full flame/full heat to ensure the stove has been fed with sufficient flow and pressure of 37.5 mbar

If you **DO NOT** have any other LPG appliances in your property, again you would use a 16 mill diameter pipe to feed the stove directly from the regulator

If you are not able to maintain 37.5 mbar of pressure at the inlet tap (with test point incorporated) at the rear or side of this stove we recommend you do not fit this stove.

If supply pressure to this stove drops below the 37.5 mbar the flame will reduce in height and will potentially cause black spotting on the glass & sooting on the Logs - this is not covered by any warranty

Mandatory Requirement for Installing & Commissioning this stove:

- **Supply Pressure of 37.5 mbar to the stove (LPG Variant only)**
- **16mm diameter minimum gas feed pipe to this stove**
- **Fitting of an ON/OFF Tap with a Pressure Test Point fitted to the side of this stove (this tap is not supplied with the stove)**
- **Rear Chain kit is fitted – full instructions in this stove**
- **Flue locking screws x2 fitted into the flue collar**
- **The stove is installed, commissioned & operated as stated in this manual**

1.2 Health & Safety

To prevent the stove from tipping forward when the cast door is open & the flue pipe being pulled off the flue collar

Additional Mandatory Requirements:

Fitting the Rear Chain - During the stove installation process, this stove requires a chain fitting to the rear of the stove as per the following detailed instructions and a screw in eye+secured into a suitably solid wall directly behind the stove using the enclosed wall fixing for solid brickwork. A different wall fixing would be required for a cavity plasterboard wall which is not supplied as part of this kit

When fitted correctly this will prevent the stove from tipping forward when the door is in the open position

The full installation kit for this is included inside the stove and consists of:

- Chain with Snap Hook fitted to the end of the chain
- Screw in Eye and wall fixing
- Washer (used when screwing the chain onto the back of the stove, with the back panel flange fixing already on the back of the stove holding the back panel in place)

This chain is set up, so it can be used at its maximum length to achieve the 350 mill length required behind the stove when the stove is fitted in front of a combustible wall/material and then you would shorten the chain with the snap hook when fitting in front of a non-combustible wall down to the minimum distance of 100mm from the rear of the stove to the non-combustible wall

Drilling the Flue Pipe for the 2 x Locking Screws - Additionally as a mandate we require the flue pipe once finally fitted (regardless of whether the flue exits from the top of the stove or the rear of the stove to be drilled from either side into the flue collar and a self-tapping screw (size No.8 x 10mm long . pan head stainless steel posi drive) - one each side to be screwed into place so the flue pipe cannot be pulled off the flue collar. See position of screw overleaf on diagram

When drilling the two holes into the Black coloured flue pipe we recommend putting masking tape around the flue pipe where you wish to drill it first, then marking the 2 x hole positions, then using a metal drill bit, drilling through the masking tape this will help to prevent any scratching of the black flue pipe

The flue pipe and flue collar are manufactured from stainless steel when drilling only drill through the outer skin of the flue pipe and the first outer layer (fresh air part of the concentric flue) of the flue collar so the drill is only going in a maximum of 10 mill depth, therefore the inner exhaust flue cannot be damaged. **Please note do not drill into the exhaust pipe of the concentric flue, this is the 100mm inner section of the flue pipe where the exhaust gases are removed**

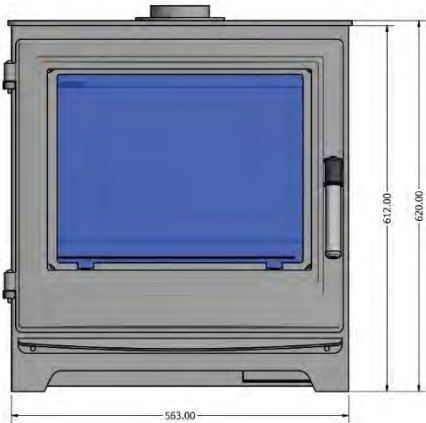
Then place a small amount of high temperature sealant onto the screws before screwing them in fully to ensure an air tight seal is achieved, then finally fully test the flue for its integrity and the locking bands are all fitted correctly on all joints

If you are fitting the flue to the top of the stove there is a convection cavity below the lid so the 2 x locking screws can be fitted in here, below the lid so they are not seen. But this will involve lifting the lid up to drill and 2 x holes then fit the 2 x self tapping screws then lowering the lid without scratching the flue pipe

When fitting the flue out of the rear of the stove, the 2 x fixing screws at the rear can be fitted on the outside of the back panel plate as they are not seen, but they must be drilled and fixed into the flue collar, but again just the 150.mm outer collar of the 2 piece flue collar

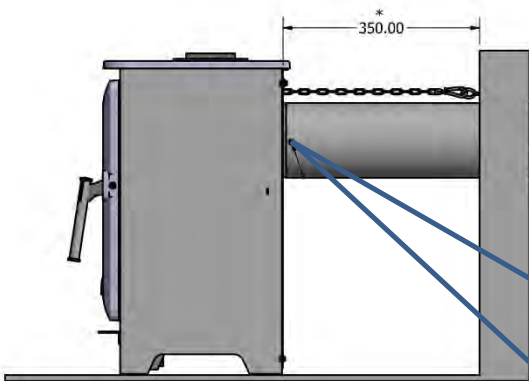
1.3 Fitting the Rear Support Chain – The Position of the Chain

Drilling the Flue for a Locking Screws



Picture showing the stove from the front

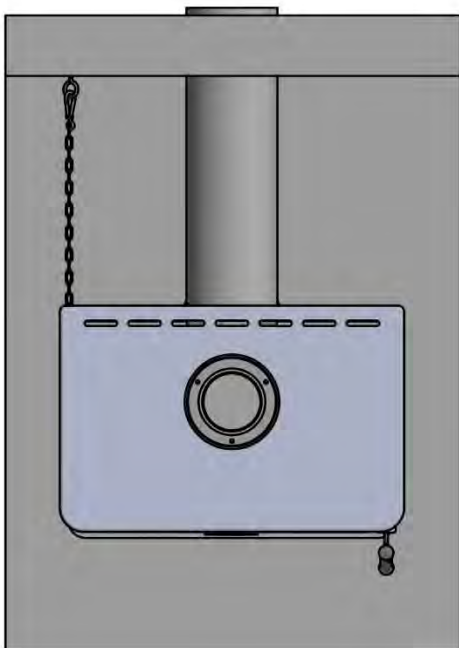
Argon F900 shown in the picture



Picture showing the stove from the side with the support chain fitted to a distance of 350mm. This is the minimum distance to a combustable wall

As a mandate we require the flue pipe once finally fitted (regardless of whether the flue exits from the top of the stove or the rear of the stove to be drilled from either side into the flue collar and a self-tapping screw (size No. 8 x 10mm long . pan head stainless steel posi drive) - one each side to be screwed into place so the flue pipe cannot be pulled off the flue collar.

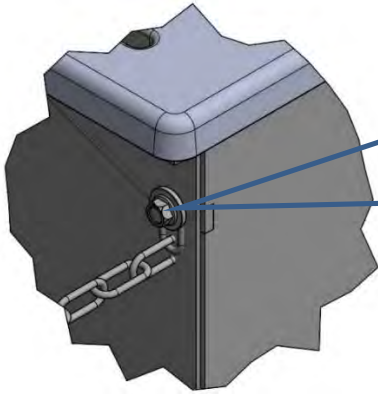
Refer to full instructions on previous page



Picture showing the stove from the top view with the support chain fitted to a distance of 350mm. This is the minimum distance to a combustable wall

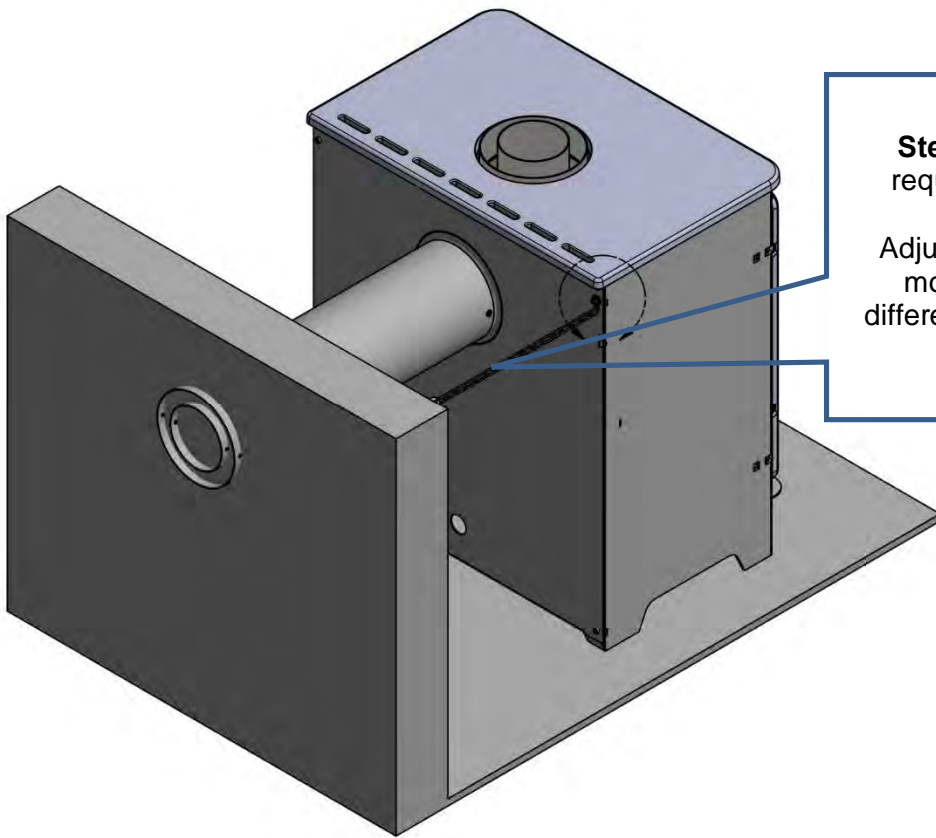
Mandatory Requirement - Fitting the Rear Chain

The chain can either be fitted to the right hand side or the left hand side of the stove at the rear



Step 1 - You are required to fit this chain regardless of whether you flue out the top of the stove or out the rear of the stove it is a mandatory requirement to be installed correctly

Unscrew the top bolt that holds on the rear panel and bolt on the chain provided using the washer so the chain is fixed securely to the back of the stove

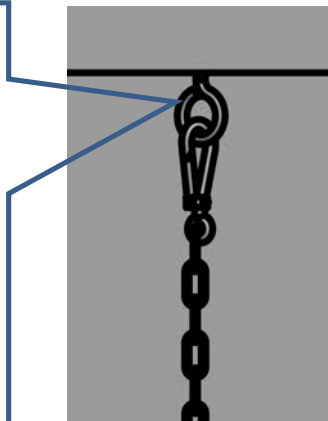


Step 2 - Set the distance you require at the rear of the stove

Adjust the length of the chain by moving the snap hook into a different link to shorten the chain if required

Step 3 - Diagram of eye hook fitted into rear wall - Drill the rear wall directly behind and in a straight line with the bolt holding the chain to the rear of the stove, with a suitably sized masonry drill to the correct depth to match the rawlplug provided, then fit the rawlplug & screw the eye hook into the wall. If you are fitting the hook into a plasterboard wall you will need a different fixing which is not provided. Ensure the hook is solid and secure in the wall so it will take a weight greater than 150kgs but a maximum of 250kgs. Clip the snap hook onto the eye bolt in the wall insuring the chain is at the right length so it is straight but not over tight but not loose

Now this chain is fitted it will prevent the stove tipping forward when front door is open



2. User Instructions.

2.1 Emergency Gas Isolation

When installing this stove the Gas safe / rgii Installer **must fit a gas isolation valve (not supplied) at the rear of the stove with a pressure test point incorporated into the On/OFF Tap** - Please make the customer aware of where this valve is fitted.

In the event of a gas leak or if gas is smelt, the appliance must be isolated. This is done by turning OFF the gas at the Isolation Tap. This Isolation Tap should be fitted to the rear or side of the appliance.

2.2 First Time of Operation

Before igniting the appliance, ensure that all packaging, safety stickers and any protective wrapping have been removed, and that the glass has been cleaned, including all fingerprints from the glass.

Ensure that the room is adequately ventilated the first time that the appliance is ignited; we would recommend opening windows if possible.

Curing the Paint

Run the appliance at a 25% setting for a 1 hour

Then at a 50% Setting for 1 hour

Then Finally on Full Power 100% for 1 hour

This will then allow the paint the opportunity to fully cure. During this period it is possible for some fumes and vapours to be given off.

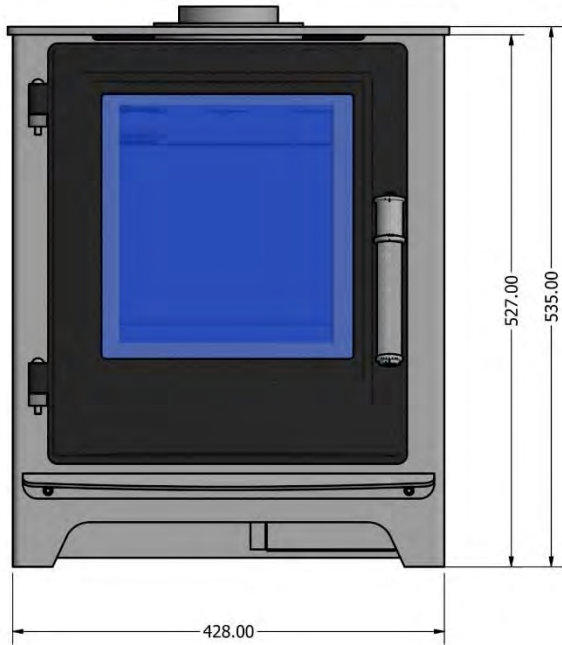
We would recommend keeping children and pets out of the area at this time.

Special Notice for All LPG Models

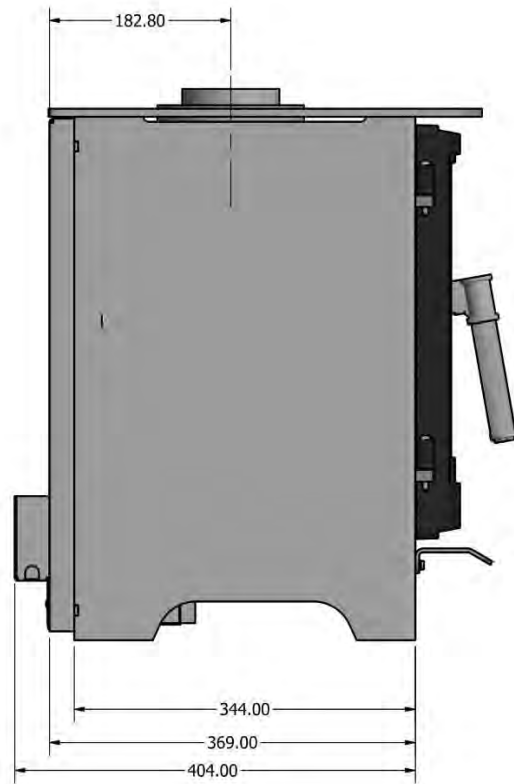
For the Waterford Stanley these LPG stoves the inlet gas pressure must be 37.5 mbars if it's less than this it can cause black spots forming on the glass and black sooting on the logs and a low flame pattern this will be due to low inlet gas pressure these conditions not covered by any warranty whatsoever – see page 5 for full details

Stove Overview & Dimensions

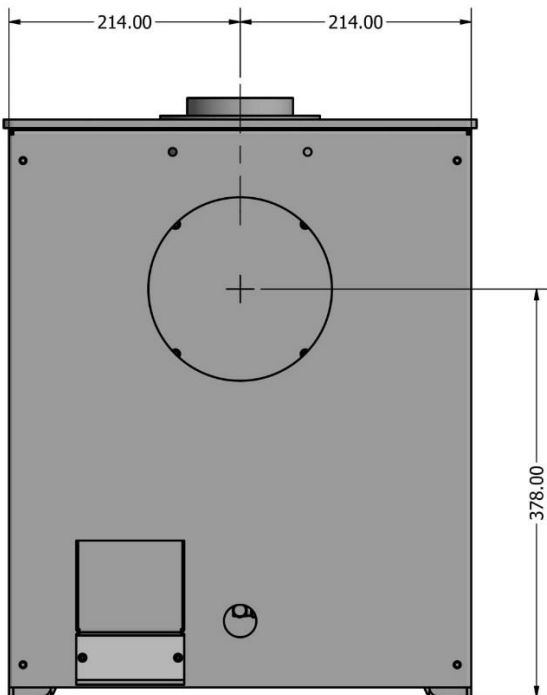
F650 Balance Gas Flue Gas Stove - Dimensions



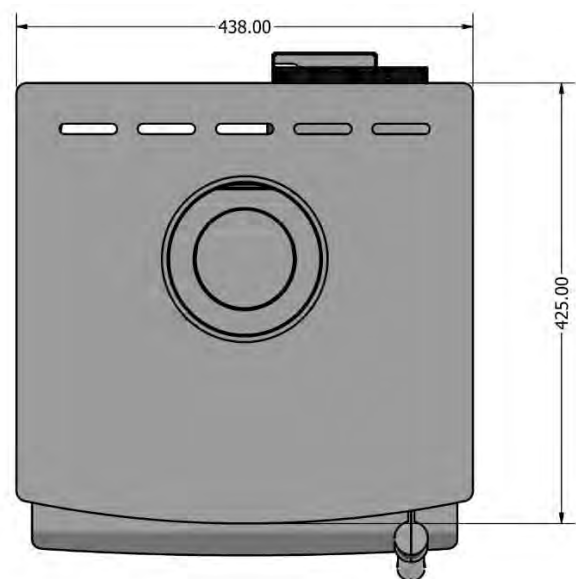
Front View



Side View



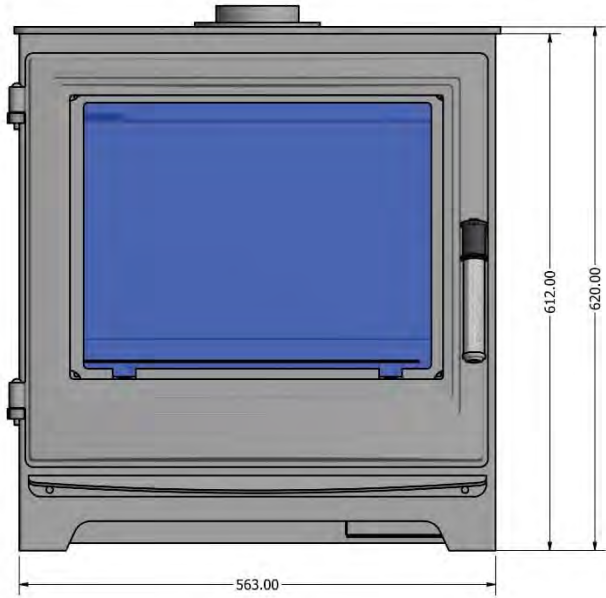
Rear View



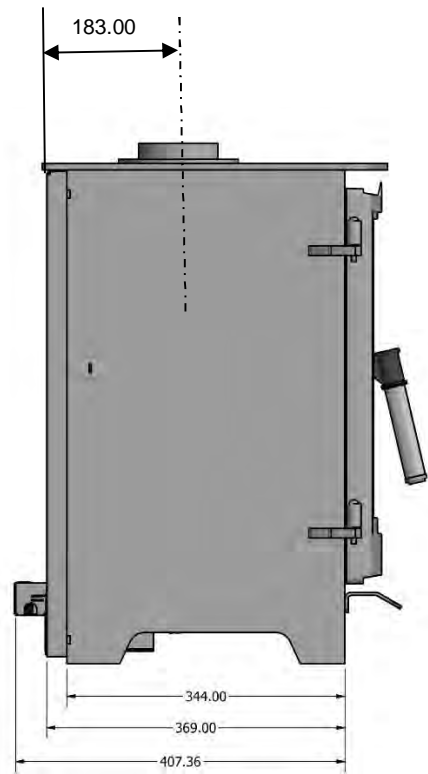
Top View

Drawings not to Scale

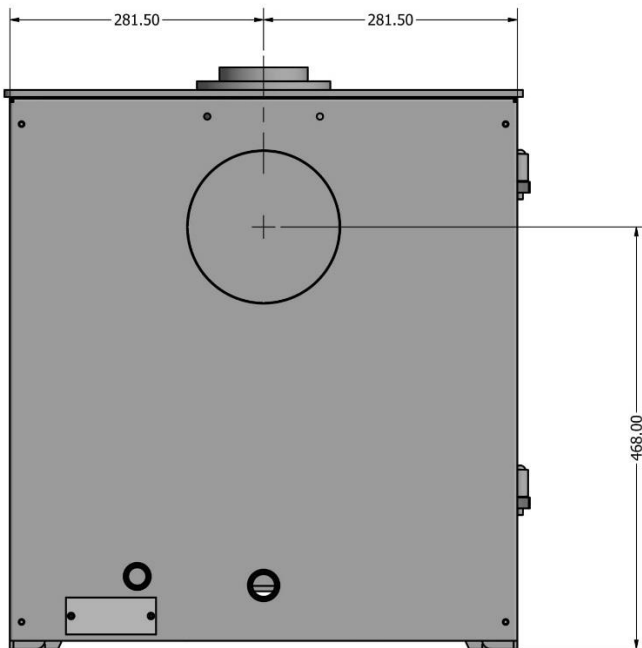
F900 Balance Gas Flue Gas Stove – Dimensions



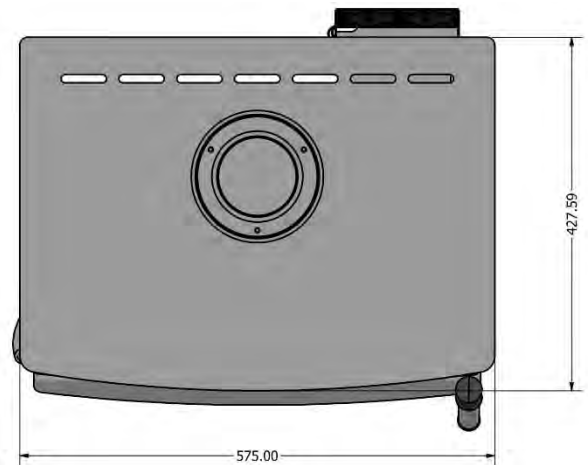
Front View



Side View



Rear View



Top View

Drawings not to Scale

2.3 Control Overview

DO NOT USE RECHARGEABLE BATTERIES IN THIS STOVE – WE RECOMMEND YOU USE DURACELL ALKALINE BATTERIES ONLY

Batteries – Remote Control handset – comes fitted in the remote

- 2 x AAA (Alkaline Duracell recommended). . initially supplied with the stove
- Low battery indicator on handsets with display.
- Battery replacement is recommended after 1 year maximum

Batteries – Receiver (Stove Controller) – Rear Battery Pack – supplied loose inside the stove

The stove is fitted with a simple lift out battery pack located at the rear of the stove – Fully detailed later in this manual – therefore do not attempt to fit batteries into the actual receiver unit (which is fitted inside the stove body in a silver heat proof pocket), as this will cause permanent damage and void your warranty

- 4 x 1.5 V AAA+required (Alkaline Duracell recommended).- initially supplied with the stove
- Low battery indication: frequent beeps for 3 seconds when motor turns.
- An AC Mains Adapter may be used instead of batteries . Option Extra
- If NOT USING a mains adapter, battery replacement is recommended at the beginning of each heating season. Which are fitted into the rear removable Battery pack

NOTICE

Only the Waterford Stanley approved - AC Mains Adapter can be used. Use of other adaptors can render the system inoperable and cause permanent damage which is not covered by the warranty

This stove uses the latest technology with regard to fresh air management hence its high efficiency. This stove is fully remote controlled (can only be used with the supplied remote control . it cannot be used in a manual mode) and is operated by this simple hand held remote control shown below



Pictures of the Handset Remote Controller and rear picture showing how the batteries are fitted
Just pull down the small cover to expose the battery area for 2 x AAA Batteries

OPERATING INSTRUCTIONS

GENERAL NOTES

NOTICE

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

Batteries – Handset

- Low battery indicator on handsets.

Batteries – Receiver

- Low battery indication: frequent beeps for 3 seconds when motor turns.
- An AC Mains Adapter may be used instead of batteries.
- The module for fan speed control and light/dimmer includes mains power together with batteries in the receiver for automatic backup in case of power outage.

▲ WARNING

- Without using a mains adapter, battery replacement is recommended at the beginning of each heating season.
- Old or dead batteries should be removed immediately. If left in the unit the batteries can overheat, leak, and/or explode.
- Do NOT expose batteries (including during storage) to direct sunlight, excessive heat, fire, moisture, or severe impact. Each of these conditions can cause the batteries to overheat, leak, and/or explode.
- New and old batteries and different brands of batteries should not be used together. Mixing of various batteries can cause the batteries to overheat, leak, and/or explode.

Software Version

Press **⏏** and **▲** buttons simultaneously. Software version is displayed.

Handset Model Number

Press **⏏** and **▼** buttons simultaneously. Handset model number is displayed.

Deactivate Functions

1. Install batteries. All icons are displayed and flashing.
2. While the icons are flashing, press the relevant function button and hold for 10 sec.
3. The function icon will flash until deactivation is complete. Deactivation is complete when the function icon and two horizontal bars are displayed.

NOTE: If a deactivated button is pressed, there is no function, and two horizontal bars are displayed.

NOTE: Deactivation remains in effect after change of batteries.

Activate Functions

1. Install batteries. All icons are displayed and flashing.
2. To activate a function, press the relevant button and hold for 10 sec.
3. The function icon will continue to flash until activation is complete. Activation is complete when the function icon is displayed.

The following Functions can be Deactivated/Activated

- CHILD PROOF
- PROGRAM MODE
- THERMOSTATIC MODE (also deactivates PROGRAM MODE)
- ECO MODE

- LIGHT/DIMMER OPERATION
- CIRCULATING FAN OPERATION
- AUXILIARY FEATURE
- COUNTDOWN TIMER

SETTING THE ELECTRONIC CODE

(First time use only.)

Radio Frequency Handset

A code is selected automatically for all Mertik Maxitrol electronics from among 65,000 codes available. The receiver must be paired with the handset.



Remote Control - Operating Instructions

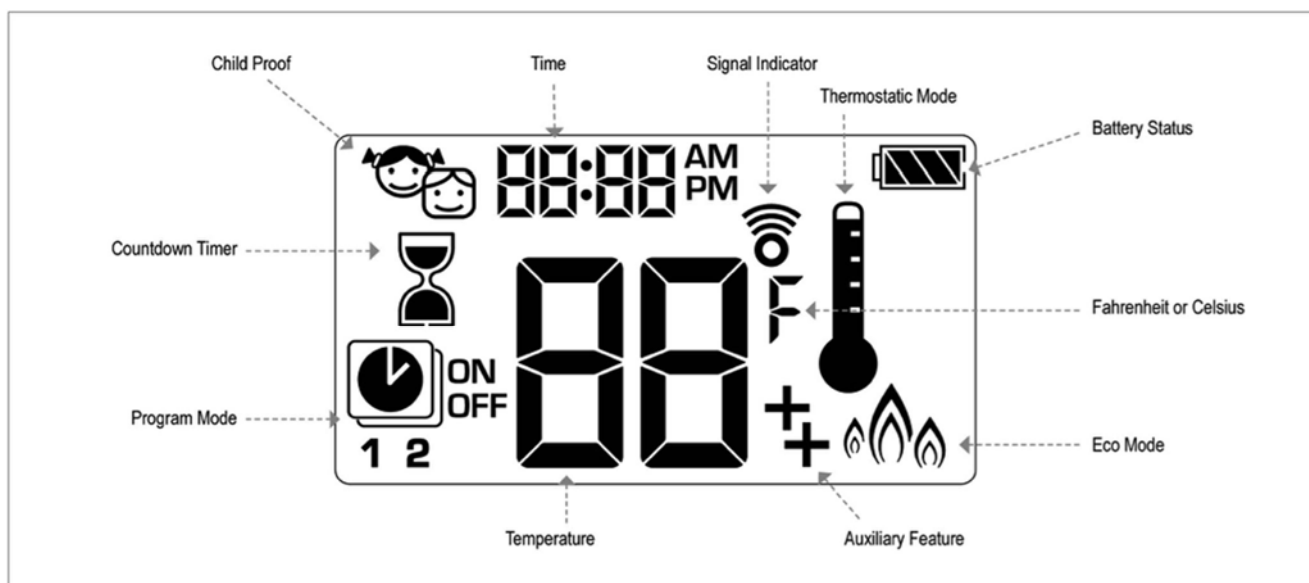


Figure 20: 8-symbol Display

SETTING FAHRENHEIT or CELSIUS



To change between °C and °F, press and buttons simultaneously.

NOTE: Choosing °F results in a 12 hour clock. Choosing °C results in a 24 hour clock.

CHILD PROOF



ON:
To activate press and buttons simultaneously. displayed and the handset is rendered inoperable, except for the off function.

OFF:
To deactivate press and buttons simultaneously. disappears.

SETTING the TIME



1. Press and buttons simultaneously. **Day** flashes.
2. Press or button to select a number to correspond with the day of the week (e.g. 1=Monday, 2=Tuesday, 3=Wednesday, 4=Thursday, 5=Friday, 6=Saturday, 7=Sunday).
3. Press and buttons simultaneously. **Hour** flashes.
4. To select hour press or button.
5. Press and buttons simultaneously. **Minutes** flash.
6. To select minutes press or button.
7. To confirm press and buttons simultaneously or wait.

MANUAL MODE (HANDSET)

NOTICE

BEFORE OPERATING

1. Make sure MANUAL knob on the GV60 valve is in the **ON**, full counterclockwise position.
2. Place the ON/OFF switch (if equipped) in the **I (ON)** position.

TO TURN ON FIRE

▲ WARNING

When pilot ignition is confirmed, motor turns automatically to maximum flame height.

Remote Control - Operating Instructions (continued)



Handset One-Button Operation (Default Setting)

- Press button until two short beeps and a blinking series of lines confirms the start sequence has begun; release button.
- Main gas flows once pilot ignition is confirmed.
- Handset automatically goes into Manual Mode after main burner ignition.

NOTICE

Change from one-button to two-button ignition operation by pressing and holding button for 10 sec. immediately after installing batteries. **ON** is displayed and **1** is flashing. When change is complete **1** will change to **2**.



Handset Two-Button Operation

- Press and button simultaneously until two short beeps and a blinking series of lines confirms the start sequence has begun; release buttons.
- Main gas flows once pilot ignition is confirmed.
- Handset automatically goes into Manual Mode after main burner ignition.

NOTICE

Change from two-button to one-button ignition operation by pressing and holding button for 10 sec. immediately after installing batteries. **ON** is displayed and **2** is flashing. When change is complete **2** will change to **1**.

▲ WARNING

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" (page 19).

STANDBY MODE (PILOT FLAME)

Handset

- Press and hold button to set appliance to pilot flame.

TO TURN OFF FIRE



Handset

- Press button to turn OFF.

NOTE: There is a 5 sec delay before the next ignition is possible.

FLAME HEIGHT ADJUSTMENT



Handset

- To increase flame height press and hold button.
- To decrease flame height or to set appliance to pilot flame, press and hold button.

DESIGNATED LOW FIRE and HIGH FIRE

NOTE: Backlight must be on for high fire and low fire double-click operation.



- To go to low fire, double-click button. **LO** is displayed.

NOTE: Flame goes to high fire first before going to low fire.



- To go to high fire, double-click button. **HI** is displayed.

▲ WARNING

If the appliance will not operate, follow the instructions "TURN OFF GAS TO APPLIANCE" (page 19).

COUNTDOWN TIMER



ON / SETTING:

1. Press and hold button until displayed, and **hour** flashes.
2. To select hour press or button.
3. To confirm press button. **Minutes** flash.
4. To select minutes press or button.
5. To confirm press button or wait.

OFF:

Press button, and countdown time disappear.

NOTE: At end of countdown time period, the fire turns off. The Countdown Timer only works in Manual, Thermostatic, and Eco Modes. Maximum countdown time is 9 hours and 50 minutes.

Remote Control - Operating Instructions (continued)

MODES of OPERATION



Thermostatic Mode

The room temperature is measured and compared to the set temperature. The flame height is then automatically adjusted to achieve the set temperature.



Program Mode

PROGRAMS 1 and 2, each can be programmed to go on and off at specific times at a set temperature.



Eco Mode

Flame height modulates between high and low. If the room temperature is lower than the set temperature, the flame height stays on high for a longer period of time. If the room temperature is higher than the set temperature, the flame height stays on low for a longer period of time. One cycle lasts approx. 20 min.

THERMOSTATIC MODE



ON:

Press button. displayed, preset temperature displayed briefly, and then room temperature displayed.

OFF:

1. Press .
2. Press or button to enter Manual Mode.
3. Press button to enter Program Mode.
4. Press button to enter Eco Mode.



SETTING:

1. Press button and hold until displayed, temperature flashes.
2. To adjust set temperature press or .
3. To confirm press button or wait.

PROGRAM MODE



ON:

Press button. 1 or 2, ON or OFF displayed.



OFF:

1. Press or or button to enter Manual Mode.
2. Press button to enter Thermostatic Mode.

NOTE: The set temperature for Thermostatic Mode is the temperature for the on time in Program Mode. Changing the Thermostatic Mode set temperature also changes the on time temperature in Program Mode.

Default settings:

ON TIME (Thermostatic) TEMPERATURE: 21°C (70°F)
OFF TIME TEMPERATURE: "--" (pilot flame only)



TEMPERATURE SETTING:

1. Press button and hold until flashes. ON and set temperature (setting in Thermostatic Mode) displayed.
2. To continue press button or wait. , OFF displayed, temperature flashes.
3. Select off temperature by pressing the or .
4. To confirm press button.

NOTE: The on (Thermostatic) and off set temperatures are the same for each day.



DAY SETTING:

5. ALL flashes. Press or button to choose between ALL, SRSU, 1, 2, 3, 4, 5, 6, 7.
6. To confirm press button.

Remote Control - Operating Instructions (continued)

RLL selected



- ON TIME SETTING (PROGRAM 1):**
7. **1, ON** displayed, RLL is displayed shortly, and **hour** flashes.
 8. To select hour press **▲** or **▼** button.
 9. To confirm press **⊙** button. **1, ON** displayed, RLL displayed shortly, and **minutes** flash.
 10. To select minutes press **▲** or **▼** button.
 11. To confirm press **⊙** button.



- OFF TIME SETTING (PROGRAM 1):**
12. **1, OFF** displayed, RLL is displayed shortly, and **hour** flashes.
 13. To select hour, press **▲** or **▼** button.
 14. To confirm press **⊙** button. **1, OFF** displayed, RLL displayed shortly, and **minutes** flash.
 15. To select minutes press **▲** or **▼** button.
 16. To confirm press **⊙** button.

NOTE: Either continue to PROGRAM 2 and set on and off times or stop programming at this point, and PROGRAM 2 remains deactivated.

NOTE: PROGRAM 1 and 2 use the same on (Thermostatic) and off temperatures for RLL, SR5U and Daily Timer (1, 2, 3, 4, 5, 6, 7). Once a new on (Thermostatic) and/or off temperature has been set, that temperature becomes the new default setting.

NOTE: If RLL, SR5U or Daily Timer are programmed for PROGRAM 1 and PROGRAM 2 on and off times, these become the new default times. The batteries must be removed to clear the PROGRAM 1 and PROGRAM 2 on and off times and temperatures.

SR5U or Daily Timer (1, 2, 3, 4, 5, 6, 7) selected

- Set on time and off time using same procedure as "RLL selected" (above).
- SR5U: Set on time and off time for both Saturday and Sunday.
- Daily Timer: Unique on and off times may be set for a single day of the week, for multiple days of the week, or for every day of the week.
- Wait to finish setting.

AUXILIARY FEATURE

Upon ignition burner 1 is on and burner 2 is in the last setting.



ON:
To switch a burner on, press the **⊕** button. **⊕** displayed.

OFF:
To switch the burner OFF, press the **⊖** button. **⊕** disappears.

NOTE: The latching solenoid valve cannot operate manually. If the receiver battery runs down it will remain in the last operating position.

ECO MODE



ON:
Press **⊕** button to enter Eco Mode. **⊕** displayed.

OFF:
Press **⊕** button. **⊕** disappears.

Cleaning and Maintenance

This appliance should be inspected and serviced once a year by a qualified, competent and Gas safe / rgii registered person. The inspection and maintenance must at least ensure that the appliance is working correctly and safely.

It is advisable to clean the appliance of any dust and debris before the heating season and especially if the appliance has not been used for some time. This can be done with a soft brush and a vacuum cleaner or a damp cloth and if required a non-abrasive cleaning agent. Do not use corrosive or abrasive substances to clean the appliance.

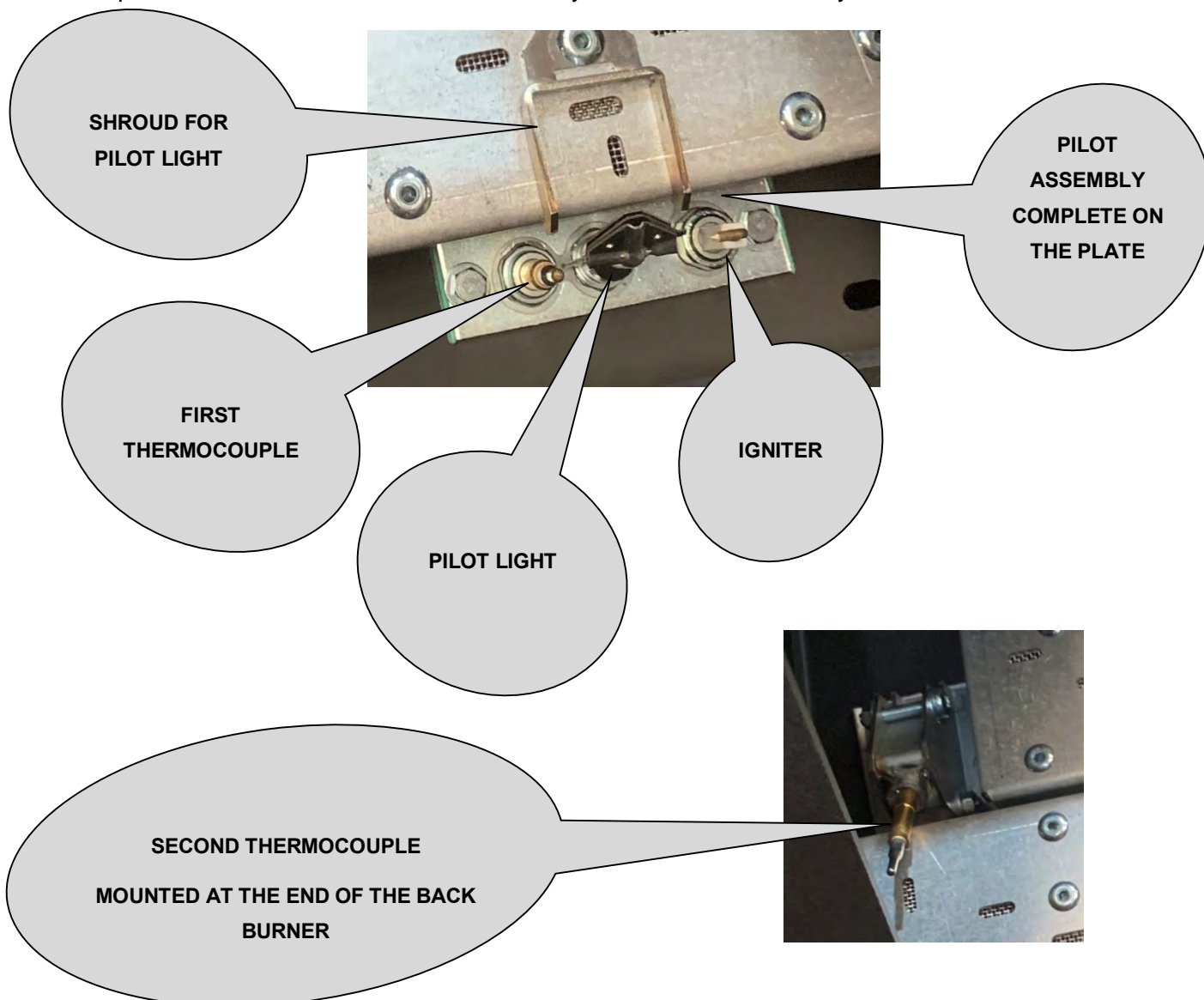
Annual Service

For the Waterford Stanley Warranty to be valid this stove must be serviced once a year by a Gas safe / rgii Qualified Engineer. After an annual service on this stove please complete the record sheet at the rear of the manual

We recommend changing the following parts every year for the service . *see pictures below*

- 1) Pilot Assembly completely at service this includes the 1st Thermocouple, Pilot and Igniter
- 2) 2nd Thermocouple

These parts are available as a service kit directly from Waterford Stanley



2.4 Manual Turn OFF

Gas Isolation Valve - To turn the gas off to the stove if you are not using it for a long period of time, please use the gas isolating ON/OFF valve that your fitter would have installed when the stove was fitted. This **Gas Isolation Valve** is not part of the components we supply with the stove, your installer will supply this. Please note it must have a gas pressure test point built into the valve

If fitted the option Battery Pack - In the event that the appliance needs to be turned **OFF** manually, for instance, if the remote control is lost or the batteries become totally flat, or you are not going to use the stove for an extended period of time, the battery pack can be accessed and the switch flipped to the **OFF** position and remove the batteries

The picture below shows the battery box and then an enlarged picture of the **ON/OFF SWITCH** on the battery box, this is located at the back of the stove in the pocket at the bottom. **Please make sure the switch is in the ON position and the jack plug connected in fully when you wish to use the stove**



Above pictures shows the Battery box and lead



Battery Box ON/OFF Switch shown in white circle

Battery Usage

The control system on this stove is called Symax 2 - which is a bi-directional system so even when the stove is turned off the receiver in the stove (the Brain) and the remote control are talking to each other every 60 seconds so even when you have not used the stove for a period of time, unless the battery pack has been turned off the batteries can run down because the receiver in the stove has been communicating with the remote control every 60 seconds

2.5 Pairing The Remote

The remote that comes with your stove should already be paired to your burner. However, if it becomes un-paired or you have had a replacement remote, follow the steps below to re-pair your remote.

To pair the Remote Control to your burner follow the below steps.

STEP 1 - Turn on Remote Control . (fitted with 2 x AAA Duracell batteries)

GENTLY Hold in Reset button (Fig. 2) on the side of the black controller box (Receiver Unit) under the burner unit (Fig.2 using a pen or pin until it beeps twice. Then Release the Reset button.



Fig 1 - Controller Box

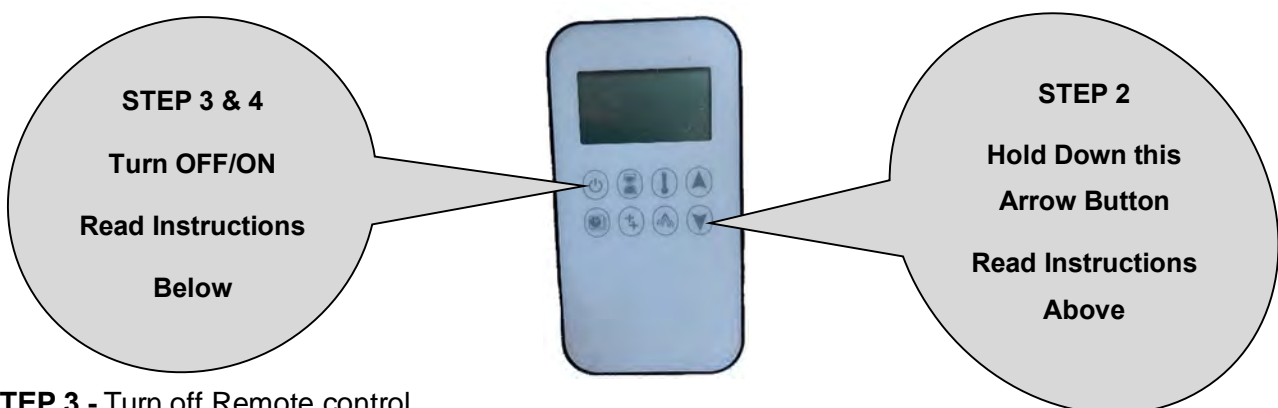
Please check all wires are fitted and not loose. Controller box located under the burner unit.



Fig 2 - Reset Button

GENTLY Push in with ball point pen or similar.

STEP 2 - Press and hold the Down arrow button on the handset remote until you hear a single beep. Release Down arrow button.



STEP 3 - Turn off Remote control.

STEP 4 - Turn the Remote control back on, after approximately ten seconds the burner on the stove will start ignition. Once this happens you know your remote is successfully paired.

IMPORTANT – ONLY USE Duracell Alkaline Batteries, DO NOT FIT ANYTHING ELSE. DO NOT use rechargeable batteries. The stove comes with Duracell Industrial Alkaline batteries fitted. If using a rear battery pack DO NOT put batteries in the Control Box (Receiver Unit) this will damage the controller and void the warranty

2.6 What Comes with My Stove

Packing List - The Following Items are placed within the Firebox for Safe keeping during transit

- Remote control with battery fitted & and already paired to the stove . ready to work
- Battery Box
- 4 x AA Duracell Batteries to be fitted into the Battery box
- The log set consisting of 8 ceramic logs and a bag of embers is in a cardboard box either inside the stove or fitted to the rear of the stove and protected by the transport pallet
- Rear Chain Fixing Kit (consists of Chain, Snap Hook, Screw Eye, Washer & Rawlplug)
- This Installation and Operating Manual

You have to purchase the Waterford Stanley flue kit separately please refer to the Flue Kits

3. Installation Instructions.

Before commencing Installation, confirm that the details on the appliance data plate correspond to the local distribution conditions, gas type and pressure to which the appliance is to be installed.

Ensure that gas supply and supply pipe is capable of delivering the required volume and pressure of gas and is in accordance with the rules in force.

3.1 Gas Connection

This appliance has a gas inlet connection of Ø 8mm. **You must fit an isolation tap with a pressure test point incorporated into it at the rear or the side of the stove so the gas supply can be easily isolated if required** The supply pipe should be decreased from 16mm supply pipe as close as possible to the stove.

3.2 Ventilation

This appliance is a Balanced Flue room sealed appliance, and as such needs no additional ventilation. However an adequate supply of fresh air to maintain temperatures and a comfortable environment is recommended.

This appliance may be installed in a completely sealed or mechanically ventilated house.

3.2.1 Clearance to Combustible & NON Combustible Materials

Reference Point	Minimum Clearance from Combustible Materials	Minimum Clearance from Non Combustible Materials
Either Side of the Stove	550mm	100mm
Rear of the Stove to the Wall	350mm	100mm
Top of the stove to the underside of the Mantel	As defined by Local Building Regulations	As defined by Local Building Regulations
Hot Zone to the Outside of the Front Door of the Stove	Allow 1000mm to the front as this area gets HOT	Allow 1000mm to the front as this area gets HOT

Clearance to Combustible & NON Combustible Materials

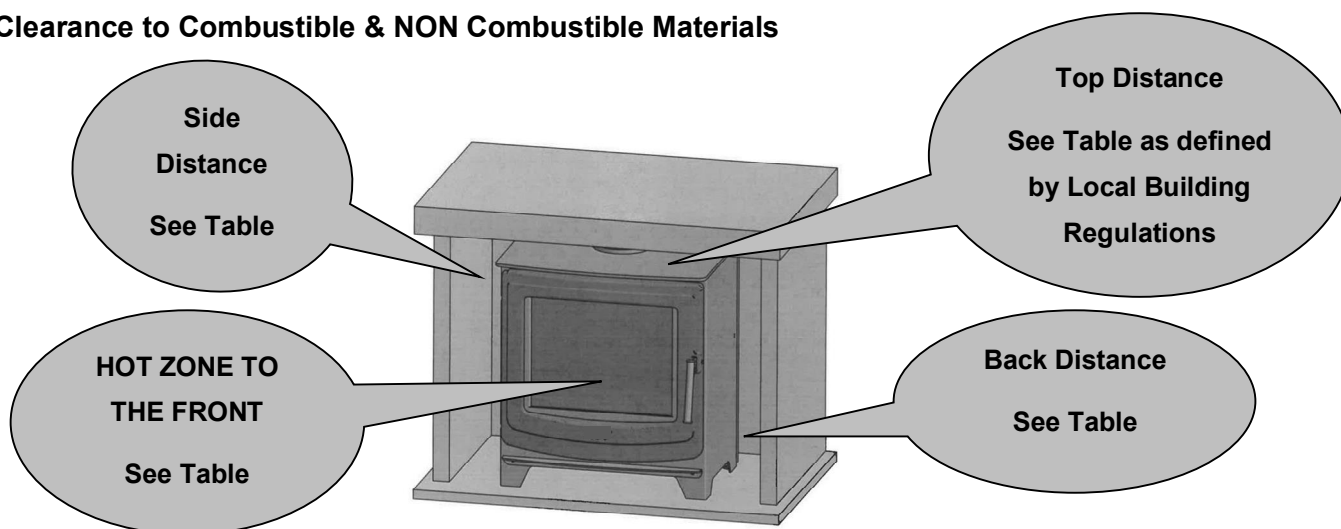


Diagram for illustration purposes only - Not to Scale

Please Note – There is a Hot zone at the front of the stove, do not place laundry to dry in the hot zone as it could cause a FIRE, if children, the elderly or persons with limited mobility are in the room unoccupied a Fire Guard must be installed.

3.3 Appliance Free-standing Installation

Determine the position required for the appliance.

Create a gas connection with **ON/OFF TAP** for the appliance in approximately the correct location for the gas controls.

The gas controls are connected to the Burner of the appliance. (Factory Fitted)

Do not make any adjustments to the appliance.

The Flue system should be fitted with a minimum clearance of 350mm from any combustible objects or materials; this includes any combustible materials used for the fireplace construction.

As this is a room sealed appliance and the appliance stands independently and is securely fixed to the floor, a hearth is not required for this appliance. But a hearth would be a requirement when being fitted to a combustible floor surface such a carpet, wooden or laminate flooring.

A minimal gap of 100mm should be left all around the appliance to **non-combustible** materials.

For minimum clearance to combustible materials see table overleaf . However any installation must be in accordance with the latest Local Building Regulations

3.4 Appliance Fireplace Installation

Determine the position required for the appliance.

Create a gas connection for the appliance in approximately the correct location for the gas controls. With a cut off valve and pressure test point

The gas controls are connected to the Burner of the appliance. (Factory Fitted)

This appliance has adjustable feet, these must be set to the desired length before the flue position is finalised. Fine adjustment of the legs is available via the feet.

Do not make any adjustments to the appliance, except the adjustment in the bolts to level the stove if required.

The appliance should be fitted with a minimum clearance as defined in the table **Clearance to Combustible & NON Combustible Materials** from any combustible objects or materials; this includes any combustible materials used for the fireplace construction. This clearance distance can be reduced to 250mm if a Cement Board, of minimum thickness 12mm is used. This Cement Board will act as a Thermal Break.

The clearance distance of the Flue from combustibles must not be less than 350mm.

As this is a room sealed appliance and the appliance stands on independent legs, a hearth is not required for this appliance. But would be a requirement when being fitted to a combustible floor surface such a carpet, wooden or laminate flooring.

If a shelf is to be fitted above the fireplace opening, a gap (as defined by local building Regulations must be adhered to) should be left between the opening and the shelf.

3.4.1 Building the Fireplace into a False Chimney

Construct a studwork fireplace to the desired sizes. Any combustible material used to construct the Fireplace must not be closer than the minimum dimensions quoted in section 3.3 above. Cement Board of minimum thickness 12mm, can be used as a Thermal Break.

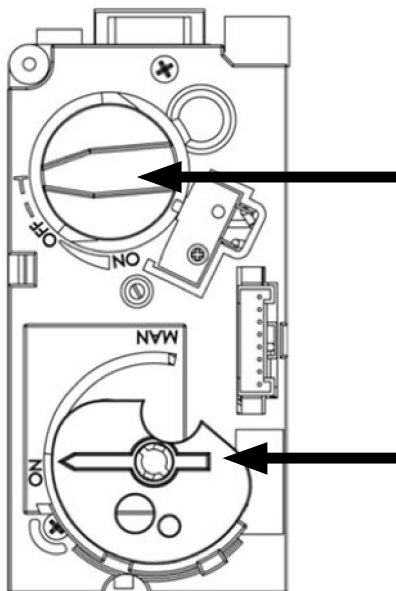
Do not use insulation material (or other) to pack the void around or above the appliance.

Provide ventilation for the fireplace to the minimum amount quoted in 3.3 above.

3.4.2 Understanding the GV 60 Control Valve

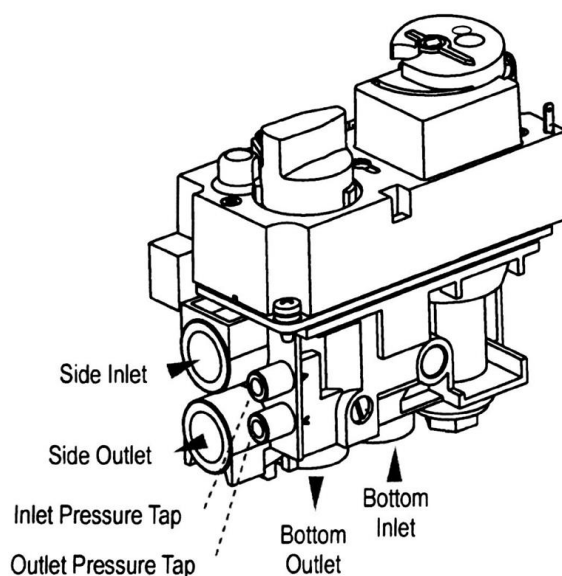
The control valve is located under the burner of the stove. This GV 60 Valve should only be removed by a Gas safe / rgii Qualified Engineer (only if required)

The picture below shows the GV 60 control valve.



Do not touch this dial as it is motorized and controlled by the remote control unit. **Manually turning it could damage it.**

Please ensure this Dial is fully turned to the **ON** position. If not the remote will not work. When turning to the **ON** position you will hear a click to confirm it is locked in the **ON** position.

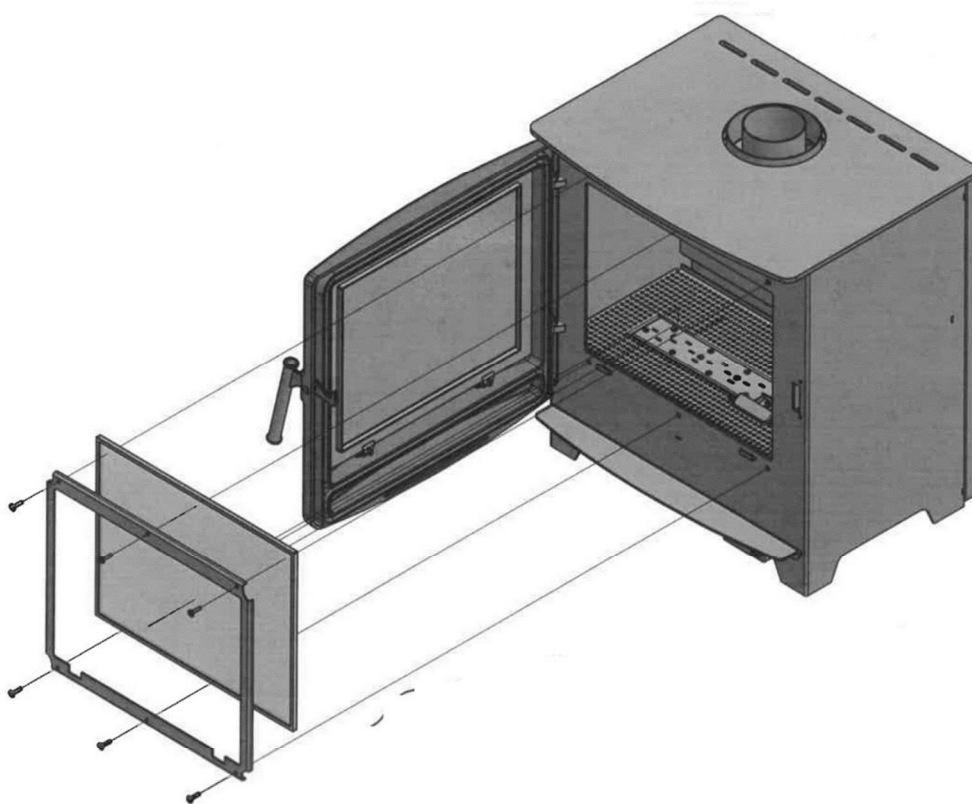


Pressure Check . It is important to carry out a pressure check on the appliance. There are 2 test points on the side of the valve. The first is the **Inlet Pressure**, the second is **Outlet/Burner Pressure**.

These screws need to be **opened** (approx 1 turn but not removed) before putting the tube of the manometer on. Both these screws must be fully **tighten** (**closed**) when the manometer is removed. Shown on your picture as Inlet and Outlet Pressure Tap.

When opening these test points the room must be well ventilated and no naked flames or sparks are to be near the stove. You must fully leak test the valve after commissioning

3.4.3 Removing the Inner Glass and Seal to Access the Firebox



Instructions on how to Remove and Refit the Inner Glass

To access the fire box you need to open the cast door using the handle

Then you will see a steel frame with 6 x M5 flange screws in it, this holds on the piece of ceramic glass which actually forms the seal of the gas firebox. Remove the 6 x M5 flange screws and take off the outer metal frame, the glass then sits in two small lugs at the bottom, lift the glass up gently out of the 2 x holding lugs

Please note the glass has a heatproof fibre gasket fitted all of the way round it on both sides please make sure this is not damaged in anyway

Once the glass has been removed you can then lay the ceramic embers and logs as per the instructions

Re-fit the glass in the reverse sequence but making sure the 6 x M5 flange screws are not over tightened otherwise you will crack the glass when it get hot, they just need to be hand tight to form an airtight seal

Please make sure any fingerprints are wiped off the inside and the outside of the glass otherwise they will mark the glass permanently

When the stove is first lit the glass will form condensation on the inside and that will clear after about two minutes



3.5 Flue Connection

3.5.1 General notes

This appliance may be installed with a vertical roof terminal (C31) or a Horizontal wall terminal (C11).

This appliance may only be used with 100/150 sized Balanced Flue (otherwise known as Concentric Flue) parts as specified by Waterford Stanley Stoves. The Waterford Stanley Stoves specified flue parts have been approved with the appliance. If the appliance is installed on non-Waterford Stanley Stoves approved parts, Waterford Stanley Stoves cannot guarantee or accept any responsibility for the proper and safe working of the appliance. This will also void all warranty cover

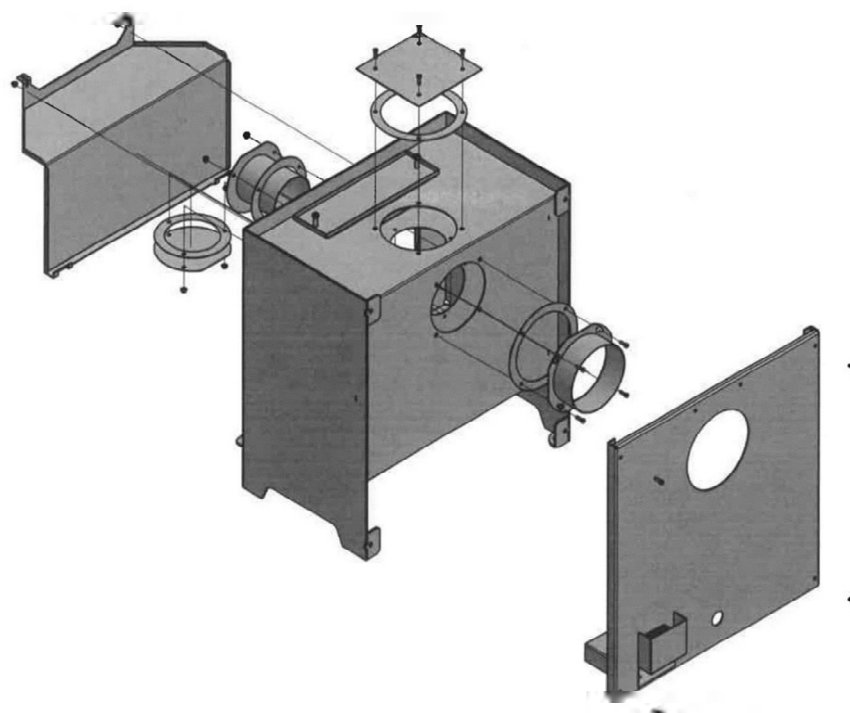
The flue system must be constructed from the appliance vertically upwards from the top of the stove or horizontally out of the rear of the stove, with all joints being fully locked and sealed using the Waterford Stanley Stoves specified parts.

This stove can be flued out of the rear of the stove or out of the top of the stove, the 2 x flue collars are fitted to the top of the stove and the installer needs to fit them as per the following instructions if you want to change them to rear flue exit, it is very important that the following instructions are adhered to

**PLEASE NOTE - ONLY WATERFORD STANLEY APPROVED FLUE
CAN BE FITTED TO THIS STOVE**

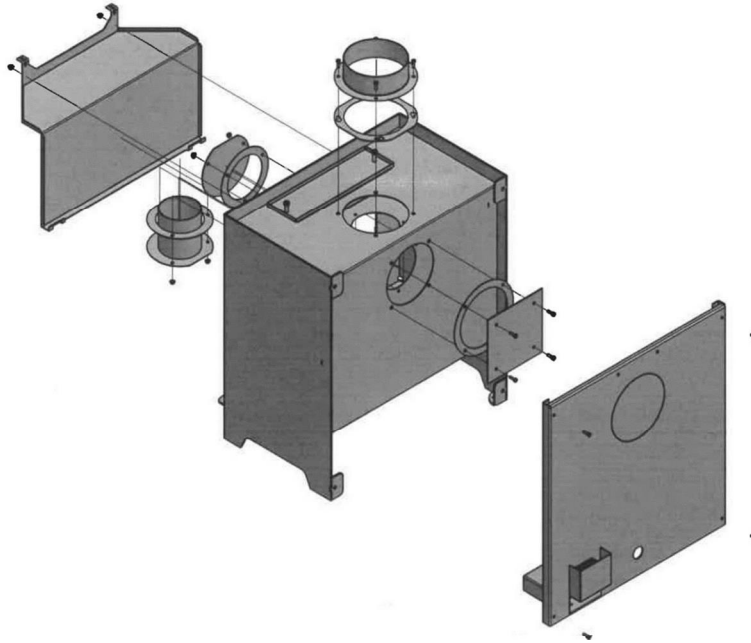
The Approved Waterford Stanley Flue Collars –
Manufactured in Steel . these are supplied fitted to the top exit of the stove

Fitting the Flue to the stove for a Rear Exit Configuration – (Horizontal Flue)



- 1 - Lift off lid and store in a safe place.
- 2 - Unscrew M5 cap screws (QTY x 4) and remove back panel and store in a safe place, knock out the steel centre for the flue collars and pipe if using the rear exit
- 3 - Unscrew M5 flange screws (QTY x 6) remove front glass and frame and store in a safe place
- 4 . Fit the air inlet blanking plate and gasket, this can now be accessed from the top of the fire (M5 x 16mm cap screws x QTY 4) screw down tight, but do not overtighten
- 5 - Unscrew M5 flange nuts (QTY x 2) from the inside at the top of the fire and carefully remove the inner heat shield, replace this inner heat shield once you have completed step 8 . **this must be replaced back into the firebox on completion**
- 6 . Fit the exhaust blanking plate & gasket to the top opening this can be accessed from the inside top of the firebox (M5 flange nuts QTY x 3) screw up tight but do not overtighten
7. Fit the exhaust flue collar & gasket (100mm Diameter) into the rear of the stove, this can be accessed from the inside rear of the firebox (M5 flange nuts QTY x 3) screw up tight
- 8 . Fit the air inlet flue collar and gasket (150mm Diameter), this can be accessed from the rear of the fire (M5 cap screws QTY x 4) screw up tight
- 9 . Refit the parts as per the following steps in reverse for the above make sure the firebox is air tight on all of the seals for the 2 x flue collars and front glass

Fitting the Flue to the stove for a Top Exit Configuration (Vertical Flue)



- 1 - Lift off lid and store in a safe place.
- 2 - The air inlet flue collar and gasket (150mm diameter) can now be accessed from the top of the fire (M5 x 16mm cap screws x QTY 4)
- 3 - Unscrew M5 flange screws (QTY x 6) remove front glass and frame and store in a safe place
- 4 - Unscrew M5 flange nuts (QTY x 2) from the inside at the top of the fire and carefully remove the heat shield replace this inner heat shield once you have completed step 8 . **this must be replaced back into the firebox on completion**
- 5 - The exhaust flue collar & gasket (100mm diameter) can be accessed from the inside top of the fire (M5 flange nuts QTY x 3)
- 6 - The exhaust blanking plate & gasket can be accessed from the inside rear of the fire (M5 flange nuts QTY x 3)
- 7 - Unscrew M5 cap screws (QTY x 4) and remove back panel and store in a safe place
- 8 - The air inlet blanking plate and gasket can be accessed from the rear of the fire (M5 cap screws QTY x4)
- 9 . Refit the parts as per the following steps in reverse for the above make sure the firebox is air tight on all of the seals for the 2 x flue collars and front glass

Please note the stove is supplied with the air inlet and exhaust outlet blanking plates fitted to the rear of the stove. So the 2 x flue collars (supplied loose) would be fitted to the top of the stove for a vertical flue kit to be installed

Pictures of Top Exit Flue Collar Fitted with Top Lid Removed & the Relief Valve Flap (RVF)



Picture showing inner only 100mm exhaust flue collar fitted for top exit to firebox & Relief Valve Flap



Picture showing both inner & outer flue collars fitted for top exit & RVF

Please Note . The Relief Valve Flap (RVF) is fitted (shown with the white dot) on the top of this stove, please make sure this moves freely up and down on the 2 x dowel pins either side, please check that the ceramic white gasket is intact and the Relief Valve Flap (RVF) is fully down on the top of the stove and making an air tight seal. This Relief Valve Flap (RVF) is held down and in place by its own weight only . **do not place any object on top of the RVF**

Terminal Locations

3.5.2 Timber Frame Construction

Whilst it is possible to install room-sealed appliances in timber frame properties, great care needs to be taken to ensure that the flue assembly does not interfere with the weather proofing qualities of any outer wall which it may penetrate. Before attempting this work, further details need to be referenced, (e.g. Gas Installations in Timber Frame Buildings+from the GAS SAFE installer series in the UK).

3.5.3 Carport or Building Extension

Where a flue terminal is sited within a carport or building extension, it should have at least two completely open and unobstructed sides. The distance between the lowest part of the roof and the top of the terminal should be at least 600mm.

Note: A covered passageway should not be treated as a carport. Flues should not be sited in a covered passageway between properties.

3.5.4 Basements, Light wells and Retaining walls

Flue terminals should not be sited within the confines of a basement area, light well or external space formed by a retaining wall, unless steps are taken to ensure the products of combustion can disperse safely at all times. It may be possible to install this Balanced Flue system in such a location provided that it is not sited lower than 1m from the top level of that area to allow combustion products to disperse safely.

Flue terminals should be sited to ensure total clearance of the combustion products in accordance with the included information.

When the products of combustion are discharged, they should not cause a nuisance to adjoining or adjacent properties and they should be positioned so that damage cannot occur to other parts of the building. If the outer wall surface is constructed of combustible material, a non-combustible plate should be fitted behind the terminal projecting 25mm beyond the external edges of the terminal.

3.5.5 Summary of Terminal Locations.

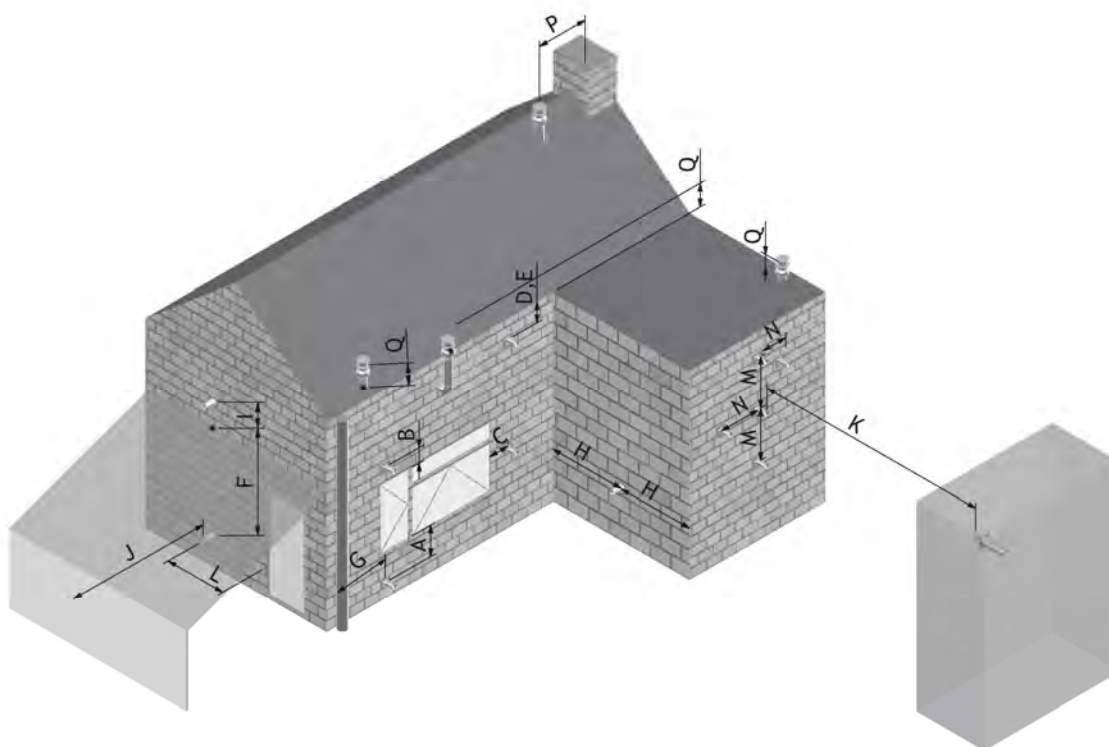


Diagram for illustration purposes only - Not to Scale

Dimension	Terminal Position	Distance (mm)
A*	Directly below an opening, air brick, opening window etc.	600
B	Above an opening, air brick, opening window etc.	300
C	Adjacent to an opening, air brick, opening window etc.	400
D	Below gutters, soil pipes or drain pipes	300
E	Below eaves	300
F	Below balconies of car port roof	600
G	From a vertical drain pipe or soil pipe	300
H	From an internal or external corner	600
I	Above ground roof or balcony level	300
J	From a surface facing the terminal	600
K	From a terminal facing the terminal	600
L	From an opening in the car port (e.g. door, window into the dwelling)	1200
M	Vertically from a terminal on the same wall	1500
N	Horizontally from a terminal on the same wall	300
P	From a vertical structure on the roof	600
Q	Above intersection with roof	150

A* In addition, the terminal should not be nearer than 300mm to an opening in the building fabric formed for the purpose of accommodating a built in element such as a window frame.

Flue Systems

The ARGON range of balanced flue gas stoves are approved only for use with the Waterford Stanley approved concentric flue system. The stove is designed specifically for use with the flue supplied from Waterford Stanley. Waterford Stanley Argon F650 & F900 balanced flue gas stoves are fitted with flue collars to fit the 100/150 pipe. Please do not attempt to fit other concentric flue pipes to this flue collar as they will not be a perfect gas tight match. The centre of the concentric flue system is for evacuation of flue gases while the surrounding annulus is for supply of combustion air.

These kits can be purchased from Waterford Stanley Retailers. All flue components are manufactured in stainless steel, stainless steel components are painted black for components that will likely be visible

Waterford Stanley Argon F650 & F900 balanced flue gas stoves are fitted with flue collars to fit the 100/150 Duo gas system. Please do not attempt to fit other concentric flue pipes to this flue collar as they will not be a perfect gas tight match. This will void any warranty and would be deemed as an unauthorised installation by Waterford Stanley and would not meet Building Regulations requirements. Only a registered Gas Safe / Rgii engineer can install the Waterford Stanley stove and flue system

Please note there can be slight colour and shade variances between the stove and the flue

3.5.6 Horizontal Wall Vent Termination type C₁₁

Flue sizing: Ø100/150 Flue Connector on Appliance is only for Duo Gas

Maximum pipe extension, for outside wall (H) = 1 X Vertical Pipe Rise (V).

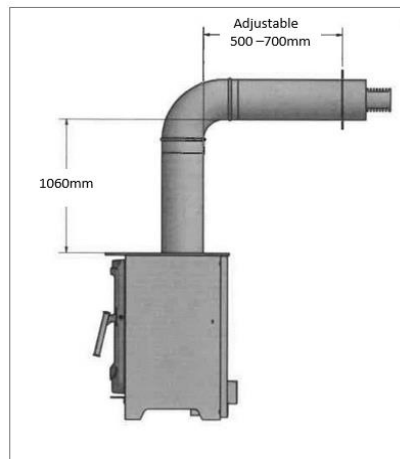
Maximum Permissible run (H) see table below.

Vertical Flue Rise (V) metres	Max. Horizontal Flue Run, (H) m for Ø100/150 flue
0.5	0.5
1	1
1.5	1.5
2	2
2.5	2.5
3	3
3.5	3.5
4	4
4.5	4.5
5	5
5.5	5.5
6.5	6.5
7	7
7.5 and over	7.5

Minimum Vertical Flue Height: 0.5m

Waterford Stanley Flue OPTION 1 Horizontal Termination

Flue Option 1 – Consists of the following:



Description

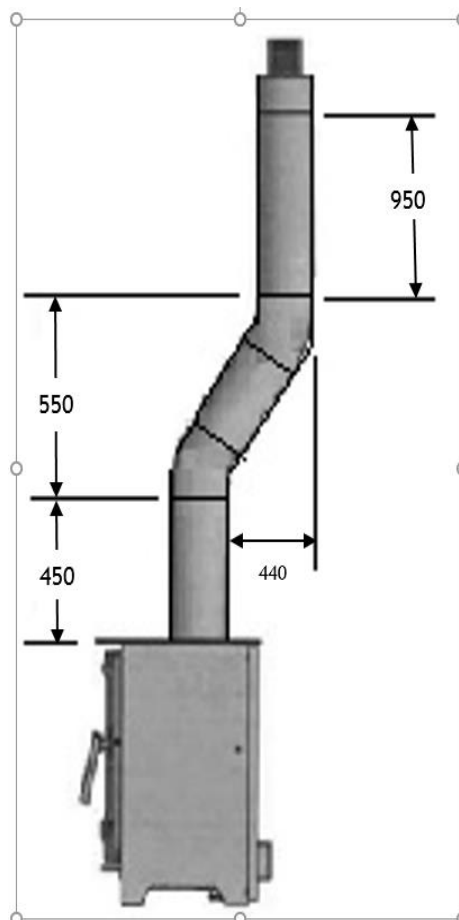
Part No

950MM PIPE-MATT BLACK	34100405/9032
90 DEGREE BEND-MATT BLACK	34100441/9032
HORIZONTAL. TERMINATION MATT BLACK	34100610/9030

Flue Option1 only be used when fitting the stove to an outside wall – kits do not include external wall baskets however they must be fitted to protect the end of the flue terminal.

Waterford Stanley Flue OPTION 2 Vertical Termination

Flue Option 2 – Consists of the following:



Description

Part No

Qty

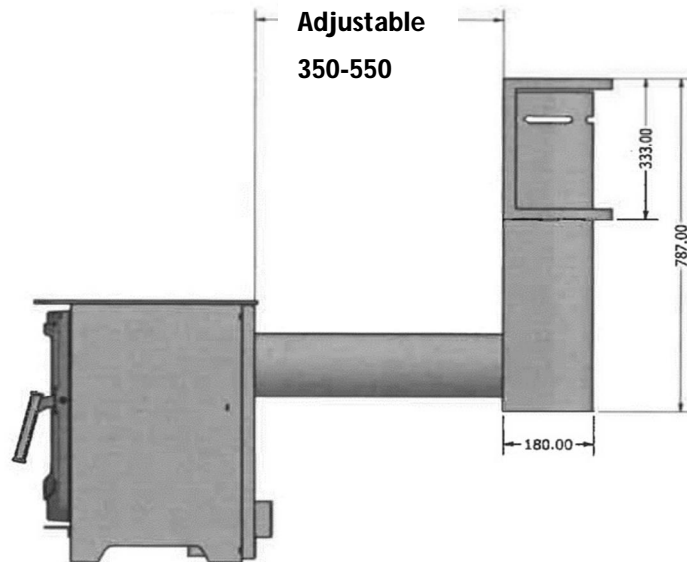
950MM PIPE-MATT BLACK	34100405/9032	1
45 DEGREE BEND-MATT BLACK	34100421/0932	2
450MM STRAIGHT PIPE-MATT BLACK	34100404/9032	2
VERTICAL FLUE TERMINATION	34100654	1

All Diagrams for illustration purposes only - Not to Scale

Minimum Vertical Flue Height: 0.5m
 Maximum Vertical Flue Height: 15m

Flue calculations when using elbows (0-90° permissible), total flue length maximum = 15m and each bend will equate to ½m, Vertical rise (V) must be at least twice the Horizontal run (R), i.e. $V=2H$ (or $H/V=1/2$).

Waterford Stanley Flue OPTION 3 Rear Exit Snorkel



Please Note – The Maximum length of the Horizontal flue is 550mm as per the drawing across

Diagram for illustration purposes only -

Not to Scale

Flue Option 3 – Rear Exit Snorkel	
Description	Part No
BALANCED FLUE SNORKEL Stainless Steel	34100499

This rear kit is called a Snorkel, this can only be used when the stove is being fitted to an outside wall, the horizontal pipe can be no longer than 550mm long (this pipe is telescopically adjustable)

For this you need to move the 2 x flue collars onto the rear of the stove and move the 2 x blanking plates to the top of the stove, you will also need to order from a blanking plate for the top plate lid of the stove.

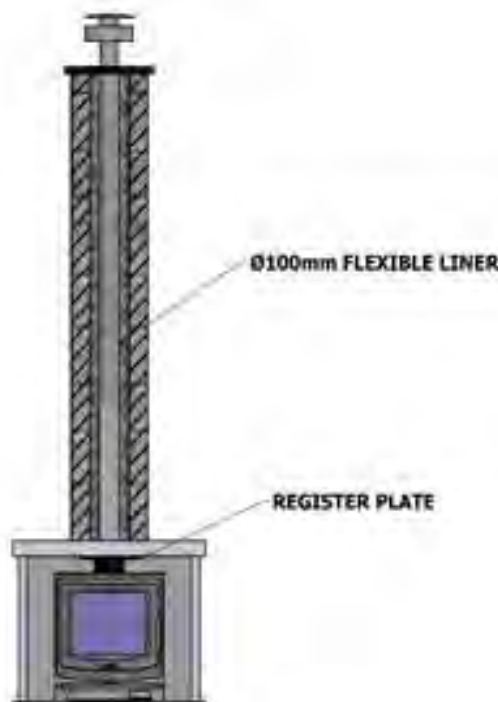
Flue Kit 4 – Renovation Kit to Fit into an Existing Chimney Configuration

Flue Kit 4 – Through chimney Balanced flue

Description	Part no.
VERTICAL RENOVATION CONNECTOR	34100470
VERTICAL FLUE TERMINATION KIT	34100654

PLEASE NOTE –

The 100mm diameter stainless steel (grade 316 or higher) flexible liner is not supplied. You can purchase this separately to the required length of your chimney, the register plate supplied may require an additional bespoke component to seal off at the bottom of the chimney. *Ensure your install forms an air tight seal on the register plate.*



This kit will allow you to install your Argon Balanced gas flue stove into a suitable existing fireplace. Please note your chimney must be in a good condition for this system to be fitted and fully swept and cleaned before installation, the minimum internal dimension of your chimney must be at least 150mm diameter from the top to the bottom. The chimney must be sealed off on the top and bottom, flue gases exit through the 100mm flexi pipe and combustion air is drawn down around the 100mm flexi pipe.

Diagram for illustration purposes only - Not to Scale

Flue options can be amended as required by selecting additional components from the list below

Part Code	Description
34100610/9030	HORIZONTAL FLUE TERMINATION KIT
34100654	VERTICAL FLUE TERMINATION KIT
37100438/9032	COMBUSTIBLE WALL KIT
34100405	950mm STRAIGHT PIPE
34100404	450mm STRAIGHT PIPE
34100403	250mm STRAIGHT PIPE
34100402	100mm STRAIGHT PIPE
34100441	90 DEGREE BEND
34100421	45 DEGREE BEND
45150169	FLAT ROOF FLASHING KIT
75000006	SLATE ROOF FLASHING KIT
45150173/9019	30-45 DEGREE TILE FLASHING KIT

3.6 Fitting Batteries into the Battery Box & Connecting to the Stove

Item 1



Connecting the Battery Box

Item 1 - Take out the small Philips screw and slide the lid off

Item 2



Item 2 - Place in the 4 x AA batteries supplied please note only use Duracell Alkaline batteries - **Do not use rechargeable batteries**

Item 3



Item 3 - The Male jack plug on the end of the battery pack will now plug into the female socket which is in the bottom of the battery pocket at the rear of the stove

Please ensure the battery box is turned to the **ON** position with the slider switch at the top. When in the ON position you will hear the controller beep once

Item 4



Item 4 . Place the battery pack back into the holder at the rear of the stove

When the battery box is fitted please do not put batteries into the receiver which is in a heatproof silver pocket under the stove as this will cause permanent damage to the receiver and void your warranty

The battery box is easily removed, and is on a 500 mill long extension cable but when you need to change the batteries on an annual basis just lift the battery box out, disconnect the battery box using the male and female jack plug socket and then change the internal 4 x AA batteries replace the screw and lid correctly and reconnect

3.7 Fuel Bed Arrangements.

When arranging the Media into the Firebed, it is important that the Pilot area is kept clear and that no Media enters the Pilot shield. The Pilot area includes the pilot shield and the top of the burner to the first slot inside the fence of the pilot shield.

When commissioning or servicing the Appliance Cross Lighting must be checked to ensure smooth lighting of the main burner from the Pilot Flame



Ceramic Log 1 - Qty x 1

Please make sure the correct logs are laid in the correct order as per the instructions

Only use WS Logs on this Stove



Ceramic Log 2 . Qty x 1



Bag of Ceramic Shale/Embers .

to be laid on the Burner Grate - Qty x 1



Ceramic Logs 4 & 5 (same logs) . Qty x 2



Ceramic Log 6 . Qty x 1



Ceramic Log 7 Fir Cone. Qty x 1



Ceramic Log 3 . Qty x 1



Ceramic Log 8 . Qty x 1

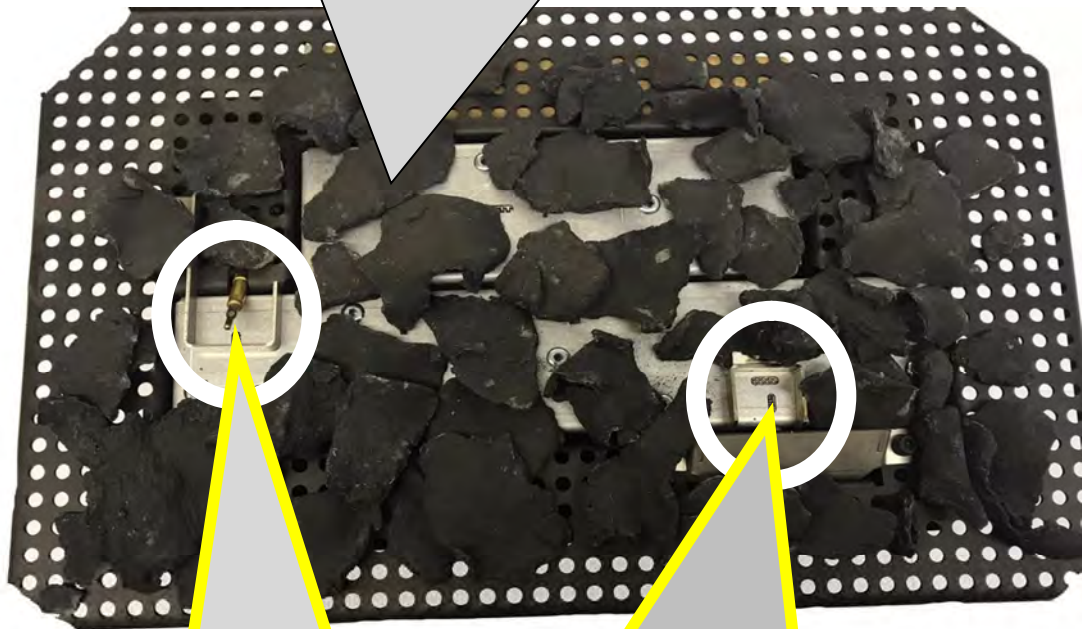
Logs shown are not to scale – just for illustration only

Please note – If the logs are not laid as per the instructions the overall efficiency performance and flame pattern of this stove will be greatly effect. If additional or Non approved WS Logs are added to this stove it will void your warranty

3.7.1 Argon F650 & F900 – Balanced Flue Gas Stoves – Log Layouts

STEP 1 –

Scatter the bags of Embers over the top of the burners as shown, keeping the Pilot Area clear and the 2nd Thermocouple clear **as marked in the 2 x white circles**



The 2nd Thermocouple & Guard.

This 2nd thermocouple need to get hot within 25 seconds otherwise the gas valve will cut off the gas to the burner as a safety feature

Pilot Assembly consisting of The 1st Thermocouple, Pilot Light, Igniter & Guard.

Pilot and Cross Over Light area must be left clear of embers and logs otherwise this will prevent the stove from lightening correctly



Bag of Ceramic Shale/Embers – QTY x 1

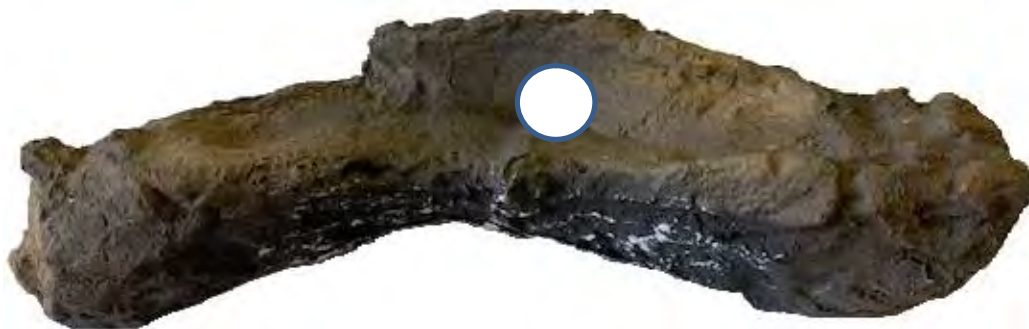
Logs shown on fuel bed are not to scale – just for illustration only

Step 2



Step 2

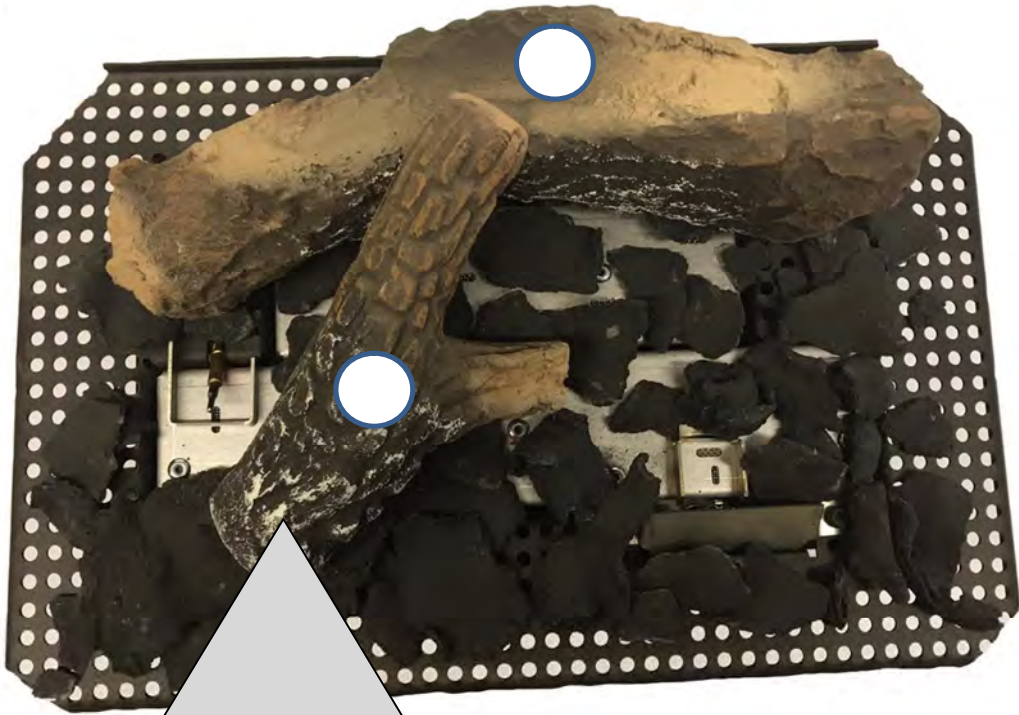
Position Ceramic Log 1 at the rear of the back silver 2nd burner tray as per the picture . **SEE WHITE DOT for the LOG TYPE & POSITIO**



Ceramic Log 1 – Qty x 1

Logs shown on fuel bed are not to scale – just for illustration only

STEP 3



Step 3

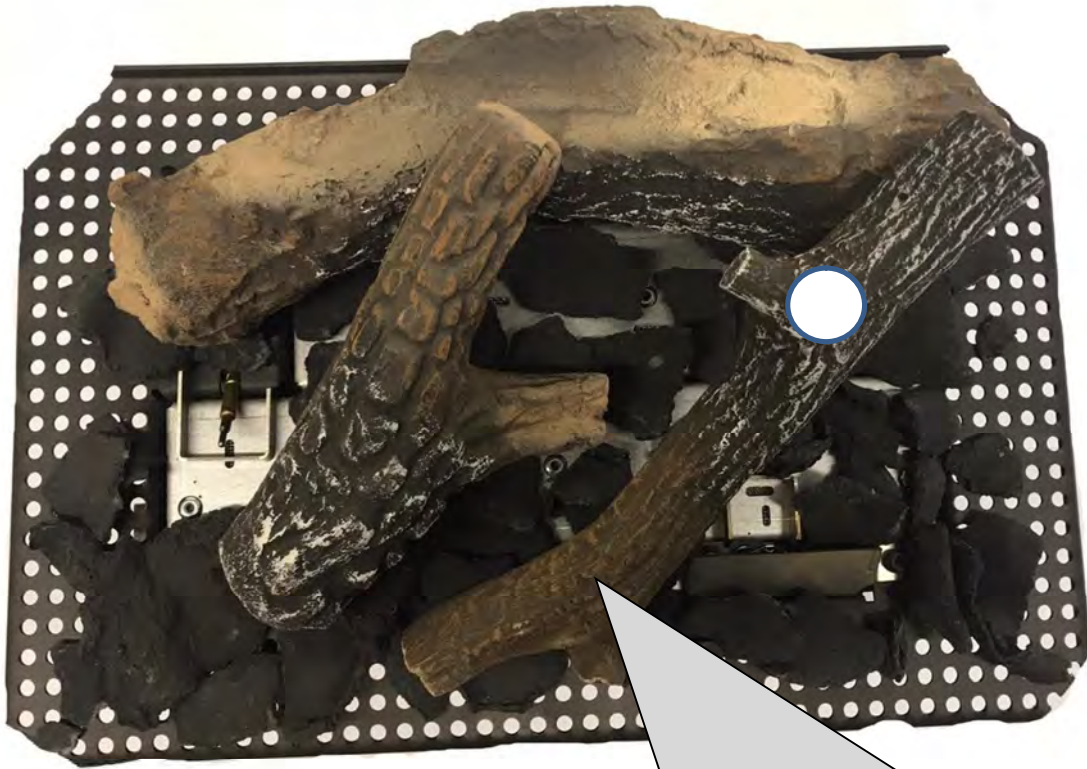
Position Ceramic Log 2, with it resting on Log 1 at the top & sitting on the embers at the bottom - **SEE WHITE DOT for the LOG TYPE & POSITION**



Ceramic Log 2 – Qty x 1

Logs shown on fuel bed are not to scale – just for illustration only

STEP 4



Step 4

Position Ceramic Log 3, with it resting on Log 1 to the RH end at the top & sitting on the embers at the bottom, but clear of the Pilot Assembly Area - **SEE WHITE DOT for the LOG TYPE & POSITION**



Ceramic Log 3 - Qty x 1

Logs shown on fuel bed are not to scale – just for illustration only

STEP 5 & 6**Step 5 & 6**

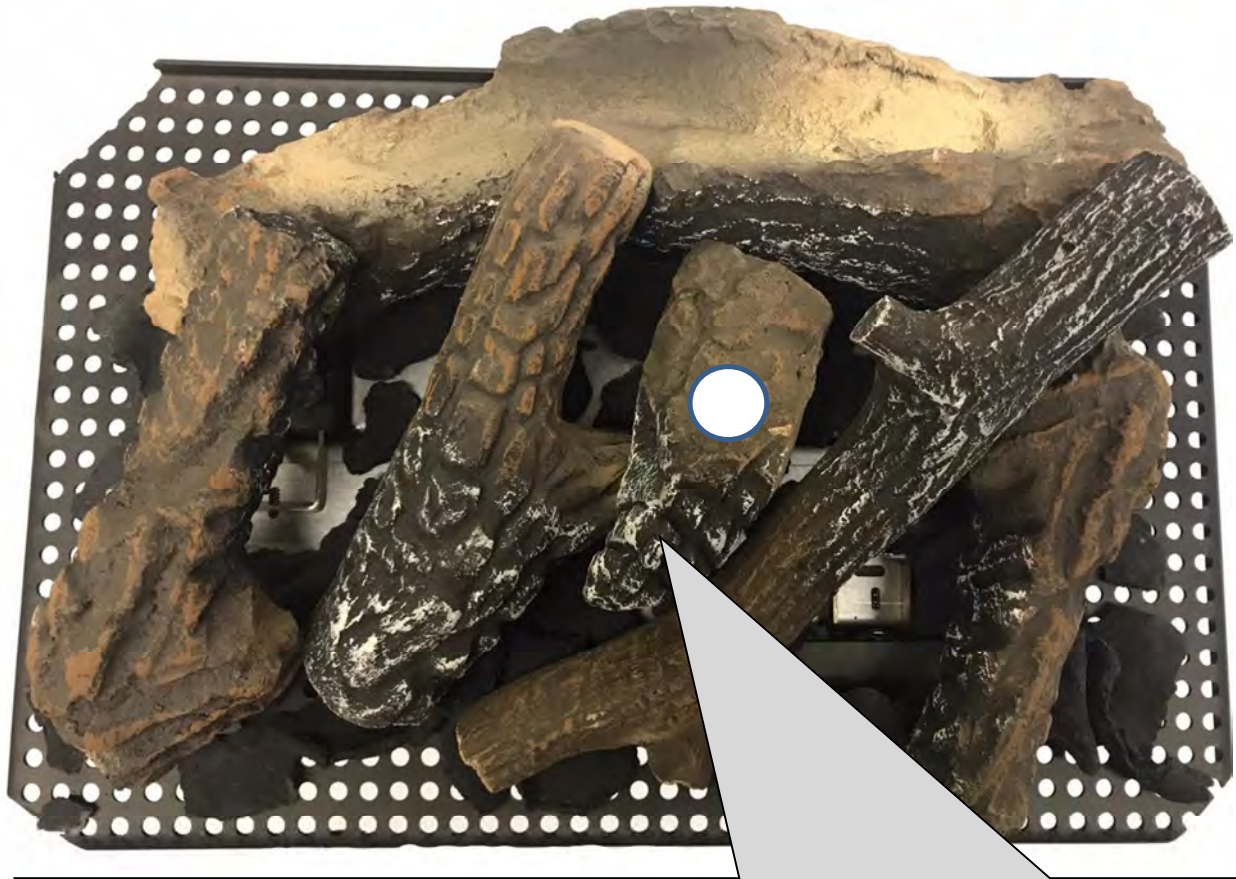
Position Ceramic Log 4 & 5 (They are the both the same log), with the LH one (Log 4) resting on Log 1 at the top & sitting on the embers at the bottom. Then on the RH Side (Log 5) sits just under Log 3 - **SEE WHITE DOT for the LOG TYPE & POSITION**



Ceramic Logs 4 & 5 (same Logs) - Qty x 2

Logs shown on fuel bed are not to scale – just for illustration only

STEP 7



Step 7

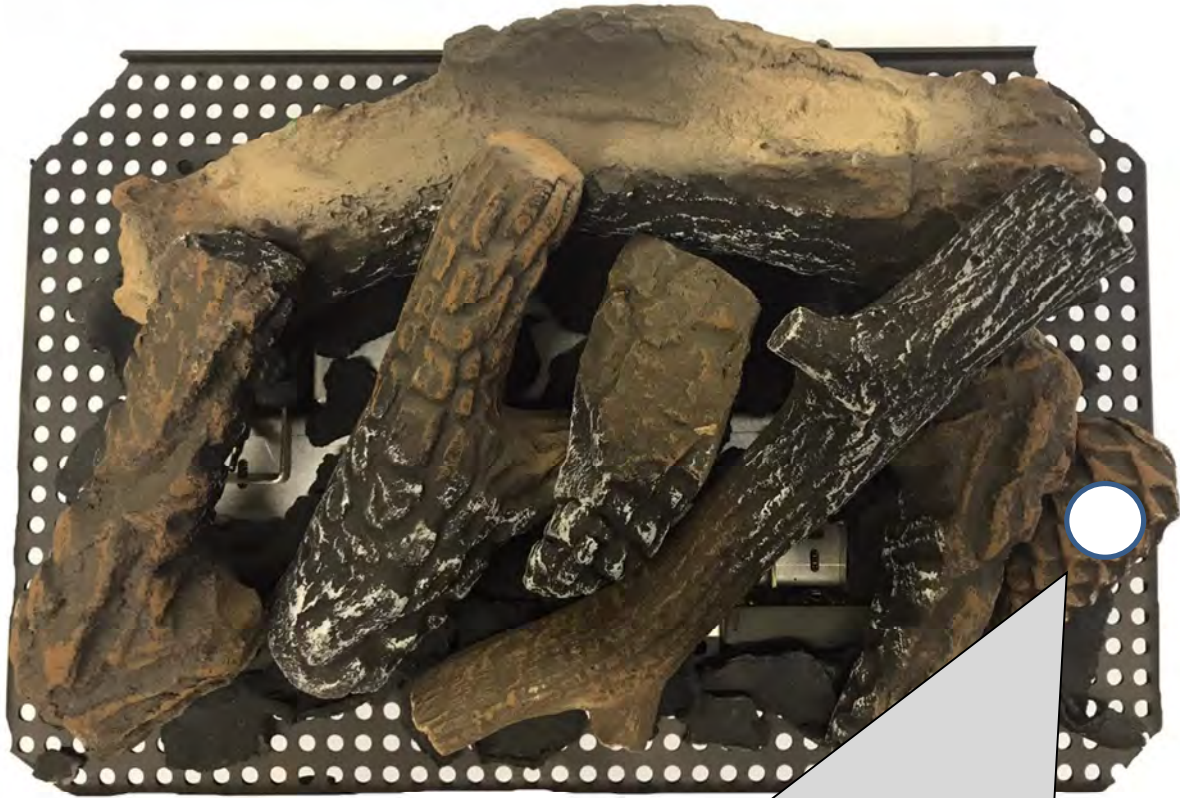
Position Ceramic Log 6, in-between log 2 and Log 3 - **SEE WHITE DOT for the LOG TYPE & POSITION**



Ceramic Log 6 - Qty x 1

Logs shown on fuel bed are not to scale – just for illustration only

STEP 8



Step 8

Position Ceramic Log 7, the Fir Cone sits to the far RH Side, just under Log 5 - **SEE WHITE DOT for the LOG TYPE & POSITION**



Ceramic Log 7 Fir Cone - Qty x 1

Logs shown on fuel bed are not to scale – just for illustration only

STEP 9



Step 9

Position Ceramic Log 8, to the far LH Side, just so it fits under Log 4 - **SEE WHITE DOT for the LOG TYPE & POSITION**



Ceramic Log 8 - Qty x 1

Logs shown on fuel bed are not to scale – just for illustration only

3.8 Commissioning the Appliance

3.8.1 Pilot Ignition Check

1. Ignite the pilot light as described in the User Instructions
2. Check that the pilot flame stays alight
3. Extinguish the pilot light

3.8.2 Main Burner Check

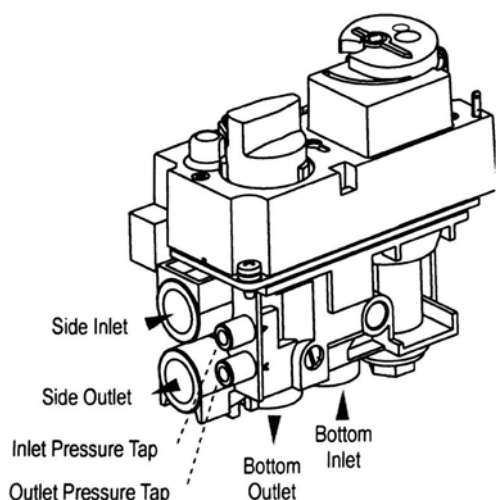
1. Ignite the pilot light as described in the User Instructions
2. Turn on the main burner as described in the User Instructions
3. Check that the pilot smoothly cross-lights to the burner and that the main burner & pilot stay alight
4. Extinguish the appliance fully

3.8.3 Pressure Check

The appliance is pre-set to give the correct heat inputs as listed in the technical details. No further adjustment is necessary. Always check the inlet pressure and burner on hot and cold pressure. DO NOT ATTEMPT TO ADJUST THE PRESSURES ON THE VALVE THIS WILL VOID YOUR WARRANTY

1. Turn off the gas valve on the appliance
2. Release the screw on the Inlet Pressure test point on the gas valve and connect a manometer
3. Check that the measured pressure is as the prescribed supply pressure
4. Perform the test when the appliance is burning on full (High Flame) and with only the pilot alight
5. If the pressure is low, check the gas supply pipes are to a correct sizing
6. If the pressure is too high (more than 5 mbar over) the appliance may be installed, but the gas supply company should be contacted
7. Release the screw on the Burner Pressure test point on the gas valve and connect a manometer
8. Check that the measured pressure is as detailed in the Technical details
9. The measured value should be within +/- 5% of the described value. If this is not the case, please contact the supplier.

Note: After checking the pressures and removing the manometers, the screws in the Pressure Test points must be closed, and the system must be checked for gas-tightness.



Pressure Check . It is important to carry out a pressure check on the appliance. There are 2 test points on the side of the valve. The first is the **Inlet Pressure**, the second is **Outlet/Burner Pressure**.

These screws need to be %opened+(approx 1 turn but not removed) before putting the tube of the manometer on. Both these screws must be fully tightened (%closed+) when the manometer is removed. Shown on your picture as Inlet and Outlet Pressure Tap.

When opening these test points the room must be well ventilated and no naked flames or sparks are to be near the stove. You must fully leak test the valve after commissioning

3.9 Receiver/Controller Unit



Picture 1 . Shown Receiver / Controller Unit

The receiver which is the controller for the stove is the black box with wires going into it and it is held in place inside a heatproof silver pocket at the rear of the stove, directly behind the battery box holder

Only the Gas safe / rgii engineer needs to remove this receiver unit if required

The receiver has a wiring loom connected to it which goes back to the GV60 control valve underneath the burner unit

If the engineer needs to remove the receiver unit please be careful that none of the small multi plugs are pulled out from either the receiver or the GV 60 control valve

PLEASE NOTE – DO NOT FIT BATTERIES INTO THE RECEIVER UNIT, AS THIS WILL DAMAGE IT PERMANENTLY AND VOID YOUR WARRANTY



Picture 2 . Showing receiver unit being fitted into the Heat shield pocket . be careful not to pull any wires out of their multi-plug sockets as shown in the white circles



Picture 3 . Showing the receiver unit fully fitted into the Heat Proof pocket holder



Pictures shows receiver unit with the Battery lead jack plug fitted . see white circle

4.0 Servicing

Turn the appliance OFF and isolate the gas supply. Ensure the appliance is fully cold before attempting to start servicing the appliance. No liability can be accepted by WATERFORD STANLEY Stoves for injury caused by burning or scolding by a hot appliance.

A suggested only procedure for servicing is listed below.

- A. Lay out dust sheet on flooring, mask off any special fireplace materials.
- B. Open Outer Firebox Door and remove inner glass panel
- C. Carefully remove the Ceramic components (including Embers)
- D. Use a Vacuum cleaner to clean the top of the burners and grate
- E. Remove Grate
- F. Use the vacuum cleaner and a soft brush to clean the pilot assembly and Injectors. It may be easier to access the Injector by removing the Throttle. Never modify or bend the Thermocouple.
- G. Clean the Window Panel.
- H. Turn on the gas supply and check for leaks, check the burners and Pilot for good condition and Operation, check the air holes in the pilot are clear, check the ignitor is clean, finally check that the 2 x thermocouples are clean and not burnt out. If in doubt replace the 2nd thermocouple and the complete pilot assembly . see 4.2 below
- I. Replace the Grate front and back
- J. Replace the Fire bed arrangements as per the approved layout
- K. Check inner glass seal, replace if damaged, replace glass frame, do not over tighten the screws Close door. . please ensure no finger prints are on the glass
- L. Check the flue system and terminal, making sure that the terminal vent is fully clear
- M. Light the appliance and test setting pressures
- N. Check the safe operation of the appliance.

4.1 Cleaning the Ceramics

Remove the ceramics as detailed in A - E above.

Gently clean the ceramics in the open air, using a soft brush and a vacuum cleaner. Where necessary replace damaged components only with genuine WATERFORD STANLEY Stoves specified parts. Seal any scrap ceramics in plastic bags and dispose of at a proper refuse site. When using a vacuum cleaner, it is recommended that one with a HEPA filtering system is used. The ceramic Log set & Embers contains RCF®

Re-fit the Fire bed arrangement, re-seal the appliance and check the safe operation of the appliance.

4.2 Servicing the Burner

A fault finding chart is included in the appendix for the control system fitted to this appliance.

Access the Burner as detailed in A - F above.

The pilot is now clearly visible, the pilot, including the Thermocouple, can be replaced/serviced by removing raising the pilot assembly from its mounting. This is done by removing the two screws on the surface of the pilot. The fittings on the under-side of the pilot can be un-done using a 10mm spanner where appropriate.

The Main Burner Injector can be accessed from the underside of the appliance. If the burner needs to be removed, this may be done by removing the 4 x M6 fixings inside the firebox (10mm Spanner), the burner will lift out through the Firebox as one complete unit

The receiver/controller unit is fitted into a heatproof box at the rear of the stove, when removing it be careful not to damage the wiring loom or any of the multi plugs. The battery lead can be removed

THE STOVE IS FITTED WITH AN EXTERNAL BATTERY PACK DO NOT FIT ANY BATTERIES INTO THE RECEIVER UNIT, AS THIS WILL CAUSE PERMANENT DAMAGE WHICH IS NOT COVERED BY YOUR WARRANTY

When replacing any parts use only original Waterford Stanley Stoves specified parts.

5.0 Technical Data - Product Identification Number: 0359CR0001253
ARGON F650 Natural Gas
Double Burner

Gas type		G20 I2H,I2E	G20/G25 I2E+	G20/G25 I2ELL	G25 I2L
Supply Pressure	mbar	20	20 / 25	20	25
Nominal Heat Input Gross (Hs)	kW	8.5	8.5 / 7.8	8.5 / 7.0	7.8
Nominal Heat Input Nett (Hi)	kW	7.7	7.7 / 7.0	7.7 / 6.4	7.0
Consumption	m ³ /hr	0.796	0.796 / 0.850	0.796 / 0.761	0.850
Burner Pressure (hot)	mbar	15.5	15.5 / 22.3	15.5 / 18.7	22.3
Injector Marking	320 (Front) & 280 (Rear)				
Pilot	446.1385.44				
Efficiency Class	1				
Nox Class	5				

High Heat Output . 6.2 kW

Low Heat Output . 2.0 kW

ARGON F650 LPG Gas
Double Burner

Gas type		G30/G31		G31	
		I3B/P(30/50)	I3+	I3P(37,50)	I3P(30)
Supply Pressure	mbar	30/50	28-30/37	37/50	30
Nominal Heat Input Gross (Hs)	kW	5.9	5.9	5.9	5.2
Nominal Heat Input Nett (Hi)	kW	5.4	5.4	5.4	4.7
Consumption	m ³ /hr	0.167	0.167	0.206	0.186
Burner Pressure (hot)	mbar	28.7	28.7	36.5	29.5
Injector Marking	120 (Front) & 100 (Rear)				
Pilot	446.1385.24				
Efficiency Class	1				
Nox Class	5				

High Heat Output . 4.4 kW

Low Heat Output . 1.8 kW

5.0 Technical Data

ARGON F900 Natural Gas

Double Burner

Gas type		G20 I2H,I2E	G20/G25 I2E+	G20/G25 I2ELL	G25 I2L
Supply Pressure	mbar	20	20 / 25	20	25
Nominal Heat Input Gross (Hs)	kW	10	10 / 9.1	9.1 / 8.0	9.1
Nominal Heat Input Nett (Hi)	kW	8.9	8.9 / 8.0	8.0 / 7.3	8.0
Consumption	m ³ /hr	0.94	0.94 / 1.05	0.94 / 0.93	1.05
Burner Pressure (hot)	mbar	18.5	18.5 / 23.0	18.5 / 18.4	23.0
Injector Marking	400 (Front) & 280 (Rear)				
Pilot	446.1385.44				
Efficiency Class	1				
Nox Class	5				

High Heat Output . 7.2 kW

Low Heat Output . 2.5 kW

ARGON F900 LPG Gas

Double Burner

Gas type		G30/G31		G31	
		I3B/P(30/50)	I3+	I3P(37,50)	I3P(30)
Supply Pressure	mbar	30/50	28-30/37	37/50	30
Nominal Heat Input Gross (Hs)	kW	8.8	8.8	8.7	8.0
Nominal Heat Input Nett (Hi)	kW	7.8	7.8	7.7	7.1
Consumption	m ³ /hr	0.25	0.25	0.3	0.26
Burner Pressure (hot)	mbar	28.0	28.0	36.5	29.9
Injector Marking	140 (Front) & 100 (Rear)				
Pilot	446.1385.24				
Efficiency Class	1				
Nox Class	5				

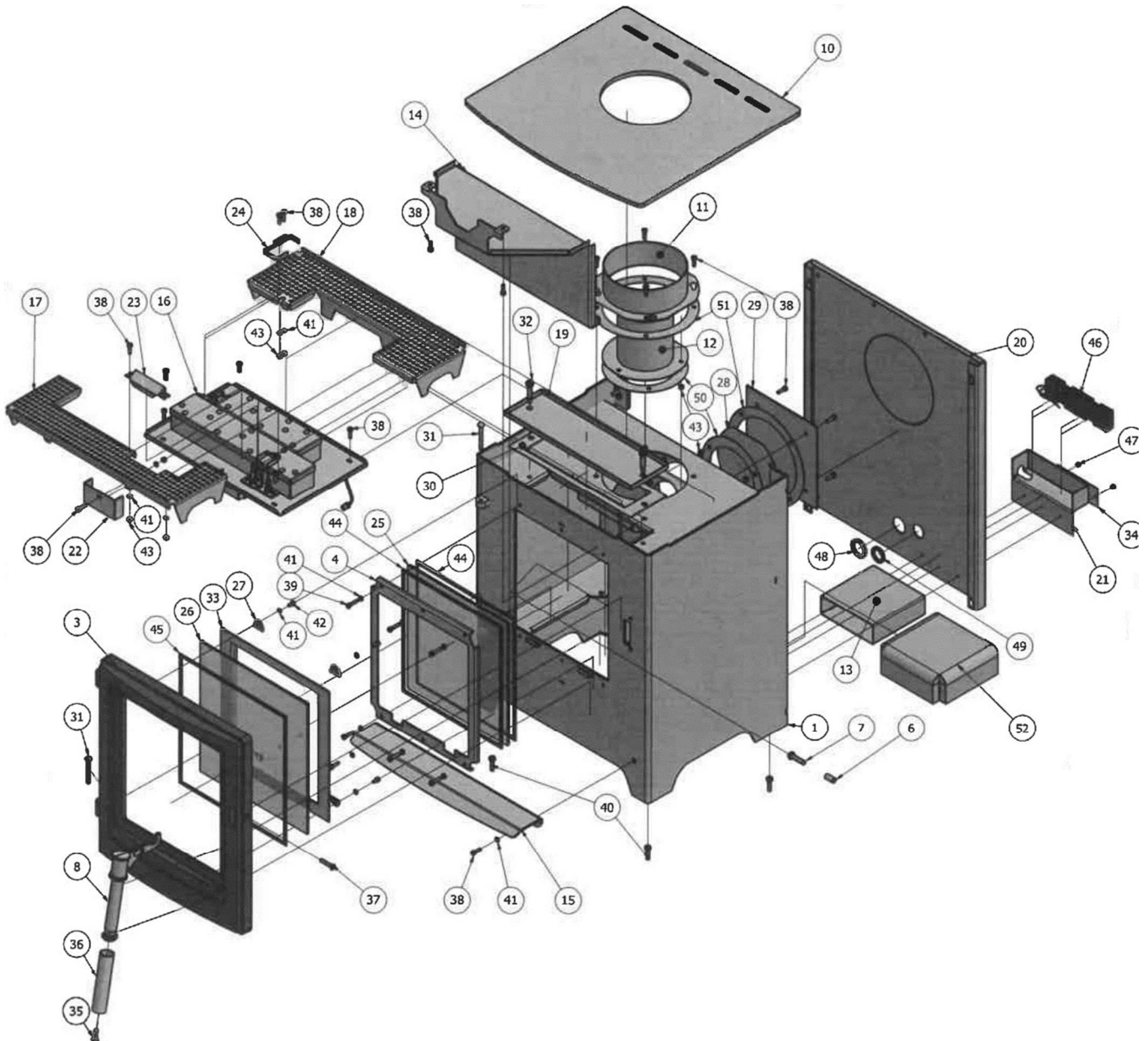
High Heat Output . 6.3 kW

Low Heat Output . 2.2 kW

5.1 Exploded View

ARGON F650 & ARGON F900 – NATURAL GAS AND LPG MODELS

SEE INDIVIDUAL PARTS LIST OVERLEAF



5.1 Parts List Details - ARGON F650 – NATURAL GAS AND LPG MODELS

REF NO	Part No	DESCRIPTION	REF NO	Part No	DESCRIPTION
1	AF6/6001	F650 Main Stove Body	27	AF6/6023	Glass Clip
2	N/A	N/A	28	AF6/6024	100mm Blanking Plate
3	AF6/6002	F650 Stoves Cast Door	29	AF6/6025	150mm Blanking
4	AF6/6003	F650 Inner Glass Frame	30	AF6/6026	F650 Delayed Ignition Flap Gasket
5	AF6/6004	F650 Glass Bracket Folding	31	AF6/6027	Ø6 X 50mm Hinge Pin
6	AF6/6005	Lock Roller	32	AF6/6028	M6 X 25mm Ø8mm Shoulder Bolt
7	AF6/6006	M8 x 30mm Dome Socket Screw	33	AF6/6029	F650 Glass Inner Frame
8	AF6/6007	Waterford Stanley Cast Handle	34	AF6/6030	F650 CE Plate
9		N/A	35	AF6/6031	M6 x 20mm Countersunk Socket Screw
10	AF6/6008	F650 Stove Lid	36	AF6/6032	Cast Handle Stainless Steel Sleeve
11	AF6/6008	150mm - Air Inlet Flue Collar	37	AF6/6033	M6 X 30mm Countersunk Socket Screw
12	AF6/6009	100mm . Exhaust Outlet Flue Collar	38	AF6/6034	M5 X 15mm Cap Socket Screw
13	AF6/6010	Control Box Housing	39	AF6/6035	M5 X 20mm Cap Socket Screw
14	AF6/6011	F650 Inner Removable Baffle Plate - Lift out	40	AF6/6036	M6 X 20mm Cap Socket Screw
15	AF6/6012	F650 Front Shelf	41	AF6/6022	M5 Spring Washer
16		N/A	42	AF6/6037	M5 X 8mm Cap Socket Screw
17	AF6/6013	F650 Grate B - Front	43	AF6/6038	M5 Nut
18	AF6/6014	F650 Grate A - Rear	44	AF6/6039	F650 Glass Gasket
19	AF6/6015	F650 Delayed Ignition Flap Folding	45	AF6/6040	F650 Glass Gasket
20	AF6/6016	F650 Rear Heat Shield	46	AF6/6041	4 x AA Battery Holder
21	AF6/6017	Battery Housing	47	AF6/6042	Ø3.2 X 6mm Steel Rivet
22	AF6/6018	Z5 Pilot Shield Lower	48		N/A
23	AF6/6019	Z5 Pilot Shield Upper	49		N/A
24	AF6/6020	5G 2T Thermocouple Guard	50	AF6/6043	100mm Flue Seal
25	AF6/6021	F650 Inner Glass Panel	51	AF6/6044	150mm Flue Seal
26	AF6/6022	F650 Door Glass Panel	52	AF6/6045	F650 Inner Glass Panel



5.1 Parts List Details - ARGON F900 – NATURAL GAS AND LPG MODELS

REF NO	Part No	DESCRIPTION	REF NO	Part No	DESCRIPTION
1	AF9/9001	F900 Main Stove Body	27	AF6/6023	Glass Clip
2	N/A	N/A	28	AF6/6024	100mm Blanking Plate
3	AF9/9002	F900 Stoves Cast Door	29	AF6/6025	150mm Blanking
4	AF9/9003	F900 Inner Glass Frame	30	AF9/9026	F900 Delayed Ignition Flap Gasket
5	AF9/9004	F900 Glass Bracket Folding	31	AF6/6027	Ø6 X 50mm Hinge Pin
6	AF6/6005	Lock Roller	32	AF6/6028	M6 X 25mm Ø8mm Shoulder Bolt
7	AF6/6006	M8 x 30mm Dome Socket Screw	33	AF9/9029	F900 Glass Inner Frame
8	AF6/6007	Waterford Stanley Cast Handle	34	AF9/9030	F900 CE Plate
9		N/A	35	AF6/6031	M6 x 20mm Countersunk Socket Screw
10	AF9/9008	F900 Stove Lid	36	AF6/6032	Cast Handle Stainless Steel Sleeve
11	AF6/6008	150mm - Air Inlet Flue Collar	37	AF6/6033	M6 X 30mm Countersunk Socket Screw
12	AF6/6009	100mm . Exhaust Outlet Flue Collar	38	AF6/6034	M5 X 15mm Cap Socket Screw
13	AF6/6010	Control Box Housing	39	AF6/6035	M5 X 20mm Cap Socket Screw
14	AF9/9011	F900 Inner Removable Baffle Plate - Lift out	40	AF6/6036	M6 X 20mm Cap Socket Screw
15	AF9/9012	F900 Front Shelf	41	AF6/6022	M5 Spring Washer
16		N/A	42	AF6/6037	M5 X 8mm Cap Socket Screw
17	AF9/9013	F900 Grate B - Front	43	AF6/6038	M5 Nut
18	AF9/9014	F900 Grate A - Rear	44	AF9/9039	F900 Glass Gasket
19	AF9/9015	F900 Delayed Ignition Flap Folding	45	AF9/9040	F900 Glass Gasket
20	AF9/9016	F900 Rear Heat Shield	46	AF6/6041	4 x AA Battery Holder
21	AF6/6017	Battery Housing	47	AF6/6042	Ø3.2 X 6mm Steel Rivet
22	AF6/6018	Z5 Pilot Shield Lower	48		N/A
23	AF6/6019	Z5 Pilot Shield Upper	49		N/A
24	AF6/6020	5G 2T Thermocouple Guard	50	AF6/6043	100mm Flue Seal
25	AF9/9021	F900 Inner Glass Panel	51	AF6/6044	150mm Flue Seal
26	AF9/9022	F900 Door Glass Panel	52	AF9/9045	F900 Inner Glass Panel

Gas Burner & Controller - Spare Parts**ARGON F650 – NATURAL GAS AND LPG MODELS**

Part No	QTY	DESCRIPTION	Part No	QTY	DESCRIPTION
WS 70001	1	Ceramic Log Pack . 8 Piece	WS 70012	1	2 nd Thermocouple
WS 70002	1	Ember Pack	WS 70013	1	Pilot Assembly Complete
WS 70003	1	Remote Handset	WS 70014	1	1 st Thermocouple
WS 70004	1	Receiver Controller Unit	WS 70015	1	Pilot Light
WS 70005	1	F650 Gas Valve GV60 Burner Assembly Complete LPG	WS 70016	1	Igniter Electrode
WS 70006	1	F650 Gas Valve GV60 Burner Assembly Complete Natural Gas	WS 70017	1	GV60 Wiring Loom Complete
WS 70007	1	WS Approved Mains Adapter	WS 70018	1	Battery Box . No Batteries
WS 70008	1	F650 Injector LPG - Front	WS 70019	1	500mm 12v Extension Lead for Battery box
WS 70009	1	F650 Injector LPG - Rear			
WS 70010		F650 Injector Natural Gas - Front			
WS 70011		F650 Injector Natural Gas - Rear			

ARGON F900 – NATURAL GAS AND LPG MODELS

Part No	QTY	DESCRIPTION	Part No	QTY	DESCRIPTION
WS 70001	1	Ceramic Log Pack . 8 Piece	WS 70012	1	2 nd Thermocouple
WS 70002	1	Ember Pack	WS 70013	1	Pilot Assembly Complete
WS 70003	1	Remote Handset	WS 70014	1	1 st Thermocouple
WS 70004	1	Receiver Controller Unit	WS 70015	1	Pilot Light
WS 70020	1	F900 Gas Valve GV60 Burner Assembly Complete LPG	WS 70016	1	Igniter Electrode
WS 70021	1	F900 Gas Valve GV60 Burner Assembly Complete Natural Gas	WS 70017	1	GV60 Wiring Loom Complete
WS 70007	1	WS Approved Mains Adapter	WS 70018	1	Battery Box . No Batteries
WS 70022	1	F900 Injector LPG - Front	WS 70019	1	500mm 12v Extension Lead for Battery box
WS 70023	1	F900 Injector LPG - Rear			
WS 70024	1	F900 Injector Natural Gas - Front			
WS 70025	1	F900 Injector Natural Gas - Rear			

5.2 Warranty Details



STANLEY STOVE WARRANTY

CONDITIONS OF WARRANTY

Your Stanley Stove is guaranteed against any part that fails (under normal operating conditions) for a two year period from the date of installation of the appliance. If the unit is not installed within six months of date of purchase, the warranty will commence six months from the date of purchase.

All warranty claims must be reported to the Waterford Stanley Service Department and must be submitted with the product serial number (located on the back of the bottom door on Slim models & on the bottom of the back face of the front panel on Oval models), date of purchase, proof of purchase (if requested) and details of the specific nature of the problem.

The warranty is given to the original consumer/purchaser only and is non-transferable. The appliance must be installed by a suitable qualified person (RGI Registered in ROI & Gas Safe Registered in NI/UK or equivalent) and installed as per the requirements of the manual. Failure to comply with the Installation Requirements or Building Regulations will void your warranty. Waterford Stanley reserve the right to replace any part due to manufacturing defect that fails within the warranty period under the terms of the warranty. The unit must be used for normal domestic purposes only and in accordance with manufacturer's operation instructions.

LIMITS OF LIABILITY

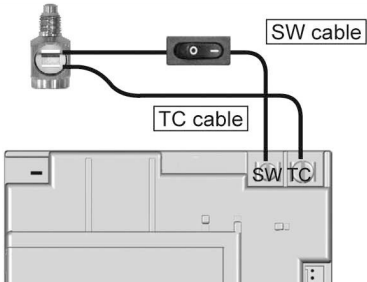
The warranty does not cover:

- * Bulbs and Batteries.
- * Special, incidental or consequential damages, injury to persons or Property, or any other consequential loss.
- * Any issue caused by negligence, misuse, abuse or circumstances beyond Waterford Stanley's control.
- * Any issue with wear and tear, modification, alteration, or servicing by anyone other than an authorized service engineer.
- * Damage resulting from installation & usage where the appliance has not been installed or used in accordance with the installation or operation instructions or if the installation does not conform to local building, fire & safety regulations.
- * Damage caused to the unit while in transit.
- * Damage caused by storing the unit in a damp, unheated environment.
- * Fading of Paint Finish.
- * Aesthetic damage & missing parts on units purchased off display.
- * Removal & re-installation costs.

Note: Adequate clearance must be maintained around the appliance to ensure the ease of part removal in the possible event of their damage/failure. Waterford Stanley are not responsible for any costs incurred in the removal of items installed in the vicinity of the appliance that have to be moved to facilitate a part replacement.

Appendix 1 - Fault Finding Chart.

FUNCTION	POSSIBLE CAUSE	REMEDY
1. TOUCH PAD/ WALL SWITCH/ SWITCH PANEL START: Press ON Button, Touch pad/wall switch works.	No →	Bent pin. Touch pad, switch panel or cable not operating properly.
		Straighten pin, replace touch pad, switch and/or cable.
1. HANDSET START: Press both buttons to start ignition (IGN) sequence. Beep will occur each second.	No →	Transmitter batteries low.
		Replace transmitter batteries. 9V quality alkaline recommended.
		Receiver batteries low.
		Replace receiver batteries with 1.5V "AA" quality alkaline batteries.
		Optional mains adapter not operating properly.
		Check mains adapter.
		Check coding of transmitter and receiver. (Initial sync.)
	Learn new code (reset). See label on receiver.	
	Transmitter distance limited.	
	1. Straighten the antenna. 2. Replace receiver. See wiring diagram, pg. 6, GV60_II_EN-11.2008.	
	Touch pad, switch panel, or cable not operating properly (in older versions, nonfunctional touch pad blocks the transmitter).	
	Unplug or replace touchpad, switch panel, or cable. See wiring diagram, pg. 6, GV60_II_EN-11.2008.	
	Blown fuse (in older versions only).	
	Replace receiver. See wiring diagram, pg. 6, GV60_II_EN-11.2008.	
OK ↓		
2. Magnet unit is energized (audible thud to detect functionality).	No →	No beep
		Impulse magnet not operating properly.
		Replace gas valve. See "Installation Instructions" pg. 3, GV60_II_EN-11.2008.
	No →	3 short beeps
		Low batteries.
		Replace receiver batteries with 1.5V "AA" quality alkaline batteries.
No →	1 long beep	
	ON/OFF switch in OFF position.	
	Switch to ON.	
	8-wire cable Off/not operating properly.	
	Check 8-wire cable.	
	SW-cable disconnected.	
	Check cable connection. See figure 1 on page 3.	
	Motor not operating properly.	
	Replace gas valve. See "Installation Instructions" pg. 3, GV60_II_EN-11.2008.	
	Micro switch not operating properly.	
	Replace gas valve. See "Installation Instructions" pg. 3, GV60_II_EN-11.2008.	
OK ↓		

FUNCTION	POSSIBLE CAUSE	REMEDY
<p>3.</p> <p>Spark will occur each second.</p> <p>OK ↓</p>	No → Ignition components not operating properly.	<p>Check connection between cable & IGN-electrode. See wiring diagram pg. 6, GV60_II_EN-11.2008.</p> <p>Check IGN-electrode spark gap. See wiring diagram pg. 6, GV60_II_EN-11.2008</p> <p>Check IGN-electrode. See wiring diagram pg. 6, GV60_II_EN-11.2008.</p> <p>Check IGN-cable for damage. See wiring diagram pg. 6, GV60_II_EN-11.2008.</p> <p>Increase distance between IGN-cable and all metal parts. Shorten IGN-cable if possible or cover, e.g. silicon hose. See wiring diagram pg. 6, GV60_II_EN-11.2008.</p>
	No → IGN-sequence stops, no pilot flame. No reaction to transmitter command. (Controller crashes.)	<p>Press RESET button. See "Setting the Electronics Code" pg. 2, GV60_OI_EN-11.2008.</p> <p>Add ground wire between pilot burner and valve. See wiring diagram pg. 6, GV60_II_EN-11.2008.</p> <p>Do not coil the IGN-cable.</p> <p>Shorten IGN-cable if possible (no longer than 900 mm). See wiring diagram pg. 6, GV60_II_EN-11.2008.</p>
	No → IGN-sequence stops, no pilot flame. Transmitter command is possible.	Replace receiver batteries with 1.5V "AA" quality alkaline batteries.
<p>4.</p> <p>Pilot lit.</p> <p>OK ↓</p>	No → TC- and SW-cable reversed.	Check connection of cable to receiver and interrupter. See figure 1.
	Magnet unit not operating properly.	Replace gas valve or (magnet unit [CE only]). See "Installation Instructions" pg. 3, GV60_II_EN-11.2008
	Short between interrupter and SW-cable.	Check connection to interrupter.
	No gas (magnet unit drops after 30 second audible count).	Check gas supply.
 <p>Figure 1</p>		
<p>5.</p> <p>Sparking stops after pilot is lit.</p> <p>OK ↓</p>	No → Short between interrupter and TC-cable.	Check connection to interrupter. See figure 1.
	Electronic measuring amplifier defective.	Replace Receiver. See wiring diagram pg. 6, GV60_II_EN-11.2008.

FUNCTION	POSSIBLE CAUSE	REMEDY
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6.	<div style="border: 1px solid black; padding: 5px; min-height: 150px;"> Motor turns to main gas and pilot stays lit. </div>	No → Magnet unit drops (audible sound). No →	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Resistance in thermo current circuit too high.</td> <td style="padding: 2px;">Check cable in thermo-current circuit. See wiring diagram pg. 6, GV60_II_EN-11.2008.</td> </tr> <tr> <td style="padding: 2px;">Not enough heat on thermocouple.</td> <td style="padding: 2px;">Check position of pilot to thermocouple and intensity of pilot flame.</td> </tr> <tr> <td style="padding: 2px;">Low voltage from thermocouple.</td> <td style="padding: 2px;">Replace thermocouple Do not overtighten (hand tight +1/4 turn max). See "Thermo Circuit" pg. 5, GV60_II_EN-11.2008.</td> </tr> <tr> <td style="padding: 2px;">Short because thermocouple end is damaged or not centered.</td> <td style="padding: 2px;">Replace thermocouple. Do not overtighten (hand tight +1/4 turn max). See "Thermo Circuit" pg. 5, GV60_II_EN-11.2008.</td> </tr> </table>	Resistance in thermo current circuit too high.	Check cable in thermo-current circuit. See wiring diagram pg. 6, GV60_II_EN-11.2008.	Not enough heat on thermocouple.	Check position of pilot to thermocouple and intensity of pilot flame.	Low voltage from thermocouple.	Replace thermocouple Do not overtighten (hand tight +1/4 turn max). See "Thermo Circuit" pg. 5, GV60_II_EN-11.2008.	Short because thermocouple end is damaged or not centered.	Replace thermocouple. Do not overtighten (hand tight +1/4 turn max). See "Thermo Circuit" pg. 5, GV60_II_EN-11.2008.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">IGN-sequence stops. No reaction to transmitter command. (Controller crashes.)</td> <td style="padding: 2px;">Press RESET button. See "Setting the Electronics Code" pg. 2, GV60_OI_EN-11.2008.</td> </tr> <tr> <td style="padding: 2px;"></td> <td style="padding: 2px;">Add ground wire between pilot burner and valve. See wiring diagram pg. 6, GV60_II_EN-11.2008.</td> </tr> <tr> <td style="padding: 2px;"></td> <td style="padding: 2px;">Do not coil the IGN-cable.</td> </tr> <tr> <td style="padding: 2px;"></td> <td style="padding: 2px;">Shorten IGN-cable if possible (no longer than 900 mm). See wiring diagram pg. 6, GV60_II_EN-11.2008.</td> </tr> </table>	IGN-sequence stops. No reaction to transmitter command. (Controller crashes.)	Press RESET button. See "Setting the Electronics Code" pg. 2, GV60_OI_EN-11.2008.		Add ground wire between pilot burner and valve. See wiring diagram pg. 6, GV60_II_EN-11.2008.		Do not coil the IGN-cable.		Shorten IGN-cable if possible (no longer than 900 mm). See wiring diagram pg. 6, GV60_II_EN-11.2008.
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	Shorten IGN-cable if possible (no longer than 900 mm). See wiring diagram pg. 6, GV60_II_EN-11.2008.																			

OK
↓

7.	<div style="border: 1px solid black; padding: 5px;"> Main burner is lit. </div>	No →	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Manual knob in "MAN" position.</td> <td style="padding: 2px;">Turn manual knob to "ON" position (positive latch is required). See "Manual Operation" pg. 4, GV60_OI_EN-11.2008.</td> </tr> </table>	Manual knob in "MAN" position.	Turn manual knob to "ON" position (positive latch is required). See "Manual Operation" pg. 4, GV60_OI_EN-11.2008.	
Manual knob in "MAN" position.	Turn manual knob to "ON" position (positive latch is required). See "Manual Operation" pg. 4, GV60_OI_EN-11.2008.					

OK
↓

8.	<div style="border: 1px solid black; padding: 5px;"> Main burner stays lit. </div>	No →	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Too much draft at pilot (poor flame impingement of thermo-couple).</td> <td style="padding: 2px;">Check installation. See "Pilot Flame Adjustment" pg. 7, GV60_II_EN-11.2008.</td> </tr> </table>	Too much draft at pilot (poor flame impingement of thermo-couple).	Check installation. See "Pilot Flame Adjustment" pg. 7, GV60_II_EN-11.2008.	
Too much draft at pilot (poor flame impingement of thermo-couple).	Check installation. See "Pilot Flame Adjustment" pg. 7, GV60_II_EN-11.2008.					

OK
↓

9.	<div style="border: 1px solid black; padding: 5px;"> Magnet unit drops while motor turns. 3 beeps. </div>	No →	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Low batteries.</td> <td style="padding: 2px;">Replace receiver batteries with 1.5V "AA" quality alkaline batteries.</td> </tr> </table>	Low batteries.	Replace receiver batteries with 1.5V "AA" quality alkaline batteries.	
Low batteries.	Replace receiver batteries with 1.5V "AA" quality alkaline batteries.					

<div style="border: 1px solid black; padding: 5px;"> System can be switched OFF via the electronics. </div>	No →	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">System CAN be switched OFF via ON/OFF switch.</td> <td style="padding: 2px;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Short in interrupter between TC- and SW- cable.</td> <td style="padding: 2px;">Check connection to interrupter block. See wiring diagram pg. 6, GV60_II_EN-11.2008.</td> </tr> </table> </td> </tr> </table>	System CAN be switched OFF via ON/OFF switch.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Short in interrupter between TC- and SW- cable.</td> <td style="padding: 2px;">Check connection to interrupter block. See wiring diagram pg. 6, GV60_II_EN-11.2008.</td> </tr> </table>	Short in interrupter between TC- and SW- cable.	Check connection to interrupter block. See wiring diagram pg. 6, GV60_II_EN-11.2008.	
System CAN be switched OFF via ON/OFF switch.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Short in interrupter between TC- and SW- cable.</td> <td style="padding: 2px;">Check connection to interrupter block. See wiring diagram pg. 6, GV60_II_EN-11.2008.</td> </tr> </table>	Short in interrupter between TC- and SW- cable.	Check connection to interrupter block. See wiring diagram pg. 6, GV60_II_EN-11.2008.				
Short in interrupter between TC- and SW- cable.	Check connection to interrupter block. See wiring diagram pg. 6, GV60_II_EN-11.2008.						
YES ↓ OK		YES ↓ OK	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Replace gas valve (magnet unit [CE only]). See "Installation Instructions" pg. 3, GV60_II_EN-11.2008.</td> </tr> </table>	Replace gas valve (magnet unit [CE only]). See "Installation Instructions" pg. 3, GV60_II_EN-11.2008.			
Replace gas valve (magnet unit [CE only]). See "Installation Instructions" pg. 3, GV60_II_EN-11.2008.							



Appendix 2 - Appliance Commissioning Checklist & Customer Sign Off

Section 1 to 3 - to be completed by the Gas safe / rgii Engineer

Section 4 & 5- to be completed by the Customer & the Gas sage / rgii Engineer

SECTION 1 - FLUE CHECKLIST	YES	NO
Is the Flue correct for appliance? All Locking bands have been fitted?		
Flue has had 2 x screws fitted into the outer flue collar so it can't move?		
Have the inner and outer Flue Collars been fitted correctly & gasket seals all ok?		
Has a Wire Basket been fitted to the outside Horizontal Terminal on the wall?		

SECTION 2 - GAS CHECKLIST	<i>Please write in here the Mbar Measured</i>	YES	NO
Gas soundness . All joints fully tested?	N/A		
ON/OFF Tap with Pressure Check Point be fitted with 16mm pipe?	N/A		
Standing Gas Pressure (Mbar) . Inlet Pressure?			
Appliance Burner Working Pressure (on HIGH FLAME Setting – HOT Stove) NB All other gas appliances must be operating on full (Mbar)?			
Appliance Burner Working Pressure (on LOW FLAME Setting – HOT Stove) NB All other gas appliances must be operating on full (Mbar)?			
Pilot Assembly & thermocouple all checked & working correctly?	N/A		

SECTION 3 - SAFETY CHECKLIST	YES	NO
Glass checked to ensure no damage, scratches, scores, fingerprints or cracks?		
Inner glass frame secured correctly & QTY 6 x screws replaced, seal fitted either side of glass all ok?		
Ceramic Logs and embers have been fitted correctly? . Not covering the 2 x thermocouple areas?		
Relief Valve Flap (RVF) on the top of the stove & gasket are fitted correct and RVF is fully closed position?		
GV 60 Valve Control Dial is clicked into the ON Position?		
Receiver Unit is fully fitted into the Silver Heatproof Housing & the wiring loom is all secure?		
Safety Chain has been fitted to the rear of the stove?		

SECTION 4 - CUSTOMER HAND OVER CHECKLIST	YES	NO
Customer fully understands how to use the remote control?		
Customer understands all of the function of the Stove?		
Customer is given this copy of the Operating Manual?		
Customer understands how to fit new batteries into the battery pack at the rear of the stove?		
Customer Understand where the gas shut off valve is installed for the stove?		
Customer has no issues with the stove?		

SECTION 5 - CUSTOMER SIGN OFF	GAS SAFE / RGII ENGINEER SIGN OFF
Customer Name:	Gas safe / rgii Engineer Full Name:
Customer Signature:	Gas safe / rgii Engineer Signature:
	Date:
Date:	Gas safe / rgii Engineer Registration Number:

Appendix 3 - Annual Servicing Records

For your warranty to be valid you must have this stove serviced once a year by a Gas safe / rgii Registered Engineer who is qualified to service gas balanced flue stove, please record the details here and attach your invoice as proof of service

Annual Service Record – Year 1	Annual Service Record – Year 2	Annual Service Record – Year 3
Name of Gas safe / rgii Register Engineer who completed the service	Name of Gas safe / rgii Register Engineer who completed the service	Name of Gas safe / rgii Register Engineer who completed the service
Telephone & Email Contact Details	Telephone & Email Contact Details	Telephone & Email Contact Details
Engineers Gas safe / rgii Registration Number	Engineers Gas safe / rgii Registration Number	Engineers Gas safe / rgii Registration Number
Date of Service	Date of Service	Date of Service
Cost of Service	Cost of Service	Cost of Service
Glass Seal Replaced on Inner Glass YES or NO . <i>please circle which one</i>	Glass Seal Replaced on Inner Glass YES or NO . <i>please circle which one</i>	Glass Seal Replaced on Inner Glass YES or NO . <i>please circle which one</i>
Other Notes	Other Notes	Other Notes

Annual Service Record – Year 4	Annual Service Record – Year 5	Annual Service Record – Year 6
Name of Gas safe / rgii Register Engineer who completed the service	Name of Gas safe / rgii Register Engineer who completed the service	Name of Gas safe / rgii Register Engineer who completed the service
Telephone & Email Contact Details	Telephone & Email Contact Details	Telephone & Email Contact Details
Engineers Gas safe / rgii Registration Number	Engineers Gas safe / rgii Registration Number	Engineers Gas safe / rgii Registration Number
Date of Service	Date of Service	Date of Service
Cost of Service	Cost of Service	Cost of Service
Glass Seal Replaced on Inner Glass YES or NO . <i>please circle which one</i>	Glass Seal Replaced on Inner Glass YES or NO . <i>please circle which one</i>	Glass Seal Replaced on Inner Glass YES or NO . <i>please circle which one</i>
Other Notes	Other Notes	Other Notes

Appendix 4 - Energy Efficiency Label - ARGON F650 – Balanced Flue Gas – Natural Gas

The image shows an Energy Efficiency Label for the ARGON F650 stove. It features the European Union flag and the word 'ENERG' in large letters, with 'енергия · ενεργεια' below it. To the right are four circular icons: 'Y IJA' and 'IE IA'. The manufacturer 'Waterford Stanley' and the model 'ARGON F650' are listed, along with 'Balanced Fuel Gas (NG)'. A vertical scale of energy efficiency classes from A++ to G is shown, with a black arrow pointing to class 'A'. Below this, a box contains icons for a window, a radiator, and a stove, next to the power rating '6,2 kW'. At the bottom, the word 'ENERGIA' is written in multiple languages, and the number '2015/1186' is printed.

Waterford Stanley ARGON F650
Balanced Fuel Gas (NG)

A

6,2
kW

ENERGIA · ЕНЕРГИЯ · ΕΝΕΡΓΕΙΑ · ENERGIJA · ENERGY · ENERGIE · ENERGI

2015/1186

ARGON F650 – Balanced Flue Gas – LPG

The image shows an energy label for the ARGON F650 Balanced Fuel Gas (LPG) boiler. The label is framed in blue and contains the following information:

- Header:** The European Union flag is on the left. To its right, the word "ENERG" is written in large white letters on a blue background. Below it, the word "енергия · ενεργεια" is written in smaller white letters. To the right of "ENERG" are four circular icons: "Y", "UA", "IE", and "IA".
- Manufacturer and Model:** "Waterford Stanley" is on the left, and "ARGON F650" and "Balanced Fuel Gas (LPG)" are on the right.
- Energy Efficiency Scale:** A vertical scale of nine horizontal bars representing energy efficiency classes: A++ (dark green), A+ (medium green), A (light green), B (yellow), C (orange), D (red-orange), E (red), F (dark red), and G (dark red). A black arrow points to the "A" class.
- Power Output:** A box on the right contains icons for a window, an upward arrow, and a radiator, with the text "4,4 kW" next to them.
- Footer:** At the bottom, the word "ENERGIA" is written in multiple languages: "ENERGIA · ЕНЕРГИЯ · ΕΝΕΡΓΕΙΑ · ENERGIJA · ENERGY · ENERGIE · ENERGI". Below this is the number "2015/1186".

ARGON F900 – Balanced Flue Gas – Natural Gas

The image shows an energy label for the ARGON F900 stove. At the top left is the European Union flag. To its right, the word "ENERG" is written in large blue letters, with "енергия · ενεργεια" below it. Further right are four circular icons: "Y IJA" and "IE IA". Below this header, the manufacturer "Waterford Stanley" and the model "ARGON F900" are listed, along with "Balanced Fuel Gas (NG)". The central part of the label features a vertical scale of energy efficiency classes from A++ (top, green) to G (bottom, red). A black arrow points to the class "A". Below the scale, there is a box containing icons for a window, a radiator, and a stove, with the text "7,2 kW" to the right. At the bottom, the word "ENERGIA" is written in multiple languages, and the number "2015/1186" is printed.

ARGON F900 – Balanced Flue Gas – LPG

The image shows a standard European energy label for a gas boiler. At the top left is the European Union flag. To its right, the word "ENERG" is written in large white letters on a blue background, with "енергия · ενεργεια" below it. Further right are four circular icons: "Y IJA" in the top row and "IE IA" in the bottom row. Below this header, the manufacturer "Waterford Stanley" is listed on the left and the model "ARGON F900" and type "Balanced Fuel Gas (LPG)" on the right. The central part of the label features a vertical scale of energy efficiency classes from A++ (top, green) to G (bottom, red). A black arrow points to the class "A". Below the scale, there is a box containing icons for a window, an upward-pointing arrow, and a boiler with wavy lines above it, representing a condensing boiler. To the right of this box, the power input is specified as "6,3 kW". At the bottom of the label, the word "ENERGIA" is written in multiple languages: "ENERGIA · ЕНЕРГИЯ · ΕΝΕΡΓΕΙΑ · ENERGIJA · ENERGY · ENERGIE · ENERGI". The bottom left corner contains the number "2015/1186".



Waterford Stanley
Unit 401-403
Waterford Industrial Estate
Cork Road
Waterford
Ireland

www.waterfordstanley.com

This Stove is Manufactured in the UK

With Waterford Stanley's policy of continuous product improvement,
the Company reserves the right to change specifications
and make modifications to the appliance described and illustrated at any time