BROSELEY

Installation & Operating Instructions

Model: Winchester

Conventionally Flued Natural Gas Stove

PLEASE LEAVE THESE INSTRUCTIONS WITH THE USER

Broseley Fires do not provide flue pipes, closure plates or any other associated accessory.

Please note gas installations MUST only be carried out by installers who are Gas Safe registered.

Warning - Appliance should not be used if the glass in the door is cracked, damaged or broken.

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Contents

Introduction

THANK YOU FOR PURCHASING A GAS FIRED STOVE

Broseley Fires Ltd, a family run company, was founded as an appliance and design development company in 1975. Since then we have built up an enviable reputation for the quality, reliability and fuel efficiency of our stoves.

These instructions have been carefully prepared to guide the installer and end-user through the relevant methods and standards for installation of your new Gas Stove.

Correctly installed and operated, your stove will give you many years of warmth and reliability. Therefore, we would suggest that you read the whole instruction manual prior to handing it to your installer. That way you will have a clearer picture of what is involved. It is required by law that the complete assembly, installation and commissioning of gas-fired stoves is carried out by a professionally qualified and accredited gas fitter listed on the "Gas Safe" register.

Please Note:

- **THE INSTALLATION MUST BE CARRIED OUT BY A GAS SAFE REGISTERED ENGINEER IN ACCORDANCE WITH THE 'GAS SAFETY INSTALLATION AND USE REGULATIONS' IN CONJUNCTION WITH THESE INSTRUCTIONS.**
- **THE RELEVANT 'BRITISH STANDARDS CODES OF PRACTICE' REQUIREMENTS AND THE RELEVANT 'LOCAL AND NATIONAL BUILDING REGULATIONS' MUST BE ADHERED TO.**
- **A COMMISSIONING CERTIFICATE MUST BE LEFT WITH THE END CUSTOMER UPON FINAL COMPLETION.**
- **THE COMMISSIONING FORM MUST BE COMPLETED IN THE BACK OF THESE INSTRUCTIONS PRIOR TO HANDOVER TO THE END CUSTOMER.**
- **THE PRODUCT MUST BE SERVICED ANNUALLY AND THE SERVICE RECORD COMPLETED IN THESE INSTRUCTIONS BY THE GAS SAFE ENGINEER.**

Packing List

Stove Box
1 x cast iron stove body
1 x flue spigot (attached to stove)
1 x Box containing 4 Legs, Allen Key and Handle

Burner Box
1 x burner unit
1 x instruction booklet
2 x burner fixing brackets and screws
2 x burner retaining bolts with washers
1 x remote control unit with plug-in sensor unit

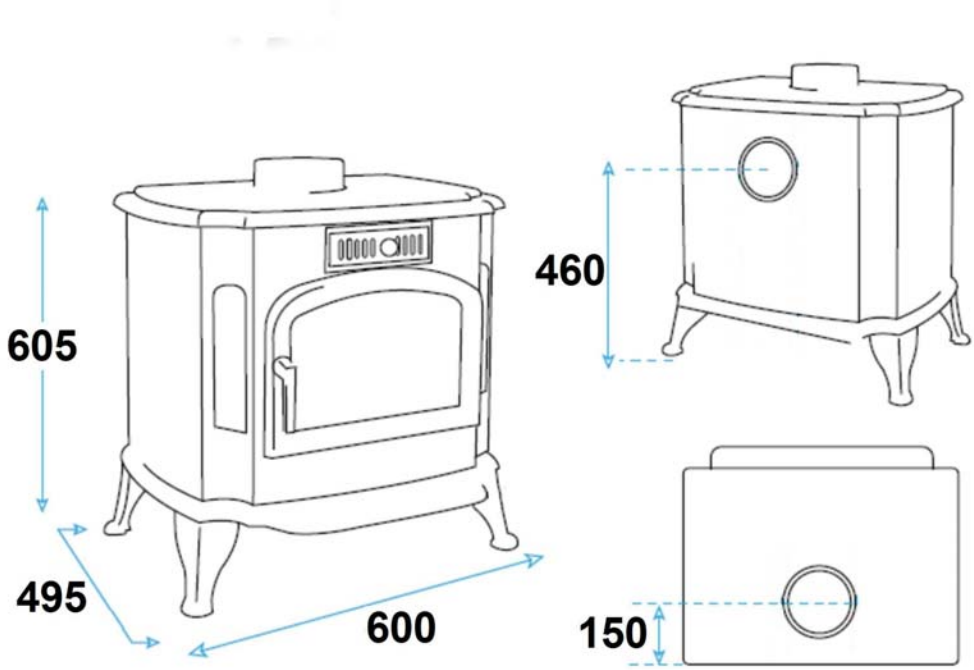
Ceramic Box – Your ordered selection of Log or Coal ceramics

Specification

Heat Input (Gross)	6.6 kW/hr
Max Heat Ouput	5.5 kW/hr
Supply Pressure	20 mbar
Gas Rate	0.611 m3/Hr
Injector Size	460
Spigot diameter	125mm (5”)
Weight	116 Kg

Please note this product is designed to only use natural gas.

Dimensions



All dimensions are in millimetres

Hearth Requirements

The appliance needs to be located onto a solid non-combustible hearth with a minimum thickness of 12mm. The hearth must be capable of withstanding the weight of the appliance.

To ensure correct combustion the following minimum clearances must be adhered to

	Material	Dimension
Rear	Non-Combustible	75mm
Side	Combustible	610mm
	Non-Combustible	100mm

Hearth Protrusion (in front of the appliance) 50mm
Shelf Distance (combustible material) 610mm

Please note these are **minimum** clearances, whenever possible it is advisable to have as much clearance as possible around the stove for easy access and maintenance.

Please note the gas supply connection to the appliance is in the centre underneath the stove. The connection requires an 8mm-diameter semi-rigid pipe, not more than 1 meter in length.

Chimney Requirements

Please note Broseley Fires do not provide flue pipes, closure plates or any other associated accessory.

The stove must be installed in accordance with current gas and buildings regulations BS5871: Part1. The appliance can be installed in any adequate area suitable for solid fuel fires and stoves. It can use a class 1, class 2 and pre-cast flue.

For pre-cast flue installations it is ESSENTIAL that a sealed connection is made into the actual flue system (a void behind a closure plate is not permitted). Please refer to the codes of best practice for further advice on pre-cast flue's.

Before you install the stove, make sure the chimney flue outlet is correctly positioned to align with the flue outlet on the stove and that the chimney is in good condition. If not, a chimney liner must be installed or a suitable class II gas flue used. A draught is necessary to ensure the products of combustion are fully evacuated. Due to the internal dilution/diversion system in the stove, it is not obligatory to line the chimney but local conditions will apply. The flue will have to be inspected by a Gas Safe registered installer and passed as suitable/sound.

Ideally it is recommended that the flue run is as straight as possible using the top outlet on the stove. When using the rear outlet (if alignment of the top outlet is not possible) a "T" shaped flue section should be used, the bottom of the "T" can be capped providing a catchment area for chimney dust/debris as well as providing a sweeping position. The flue must have a minimum vertical height of 3 metres to insure adequate draught. You can have a maximum of four bends in the run, each bend must not exceed 45° and an additional metre of vertical flue should be provided for each bend. We also recommend a minimum vertical section of 600mm before any bend immediately off the appliance.

Prior to installation, the installer should insure that the flue is free from obstruction and any dampers must be fixed in a permanently open position. Ensure the chimney is not closed and that it has been swept and subsequently smoke tested.

Make sure that rain, birds or any foreign body cannot get into the chimney to cause damage or blockage. This problem can normally be overcome by fitting an approved gas cowl. It is essential for the effective running of your stove that the chimney draws properly to allow the products of combustion to escape.

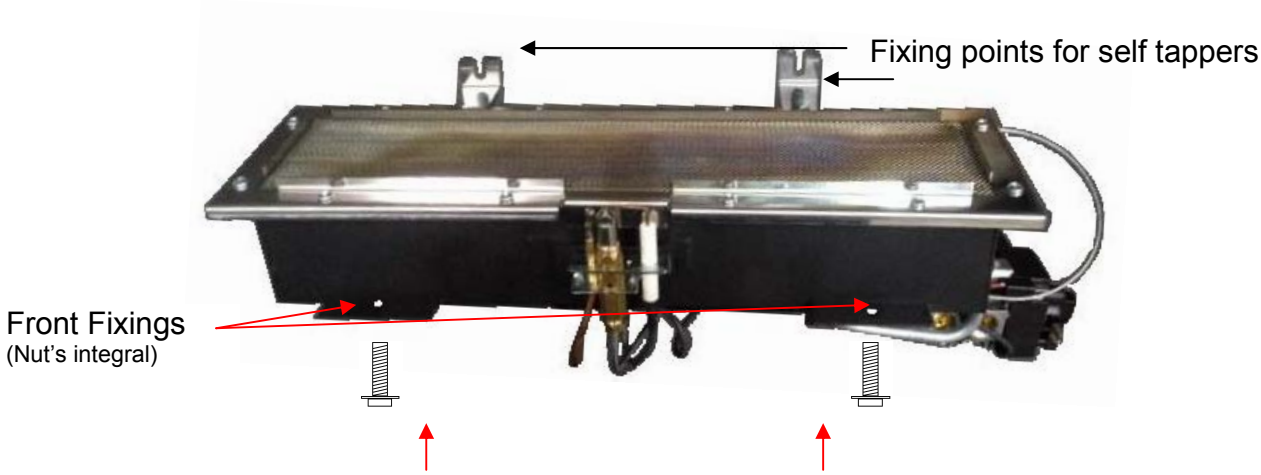
VENTILATION (GB ONLY)

The gas stove is rated at less than 7kw and therefore does not normally require additional ventilation in the room (BS5871 – part II).

Assembly - Burner Installation

Ensure all components are present prior to commencing assembly (See Packing List on page 3).

1. Unscrew the M6 x 18 Hex Bolt and open the main stove door to retrieve the box containing the 4 Legs, Handle and Allen Key. Using the bolts located in the bottom of the stove affix the Legs.
2. With the burner out of the stove, if the “L” shaped brackets are not fitted screw the two burner fixing brackets to the rear of the burner so that the “L” brackets line uo with the screw holes in the internal rear plate.
3. Next, with the stove stood upright insert the burner (control first) through the door. Dip the controls through the bottom of the stove so that the burner comes to rest onto the brackets located at the front. Fix using bolts provided. The controls should be at the right hand side of the stove.

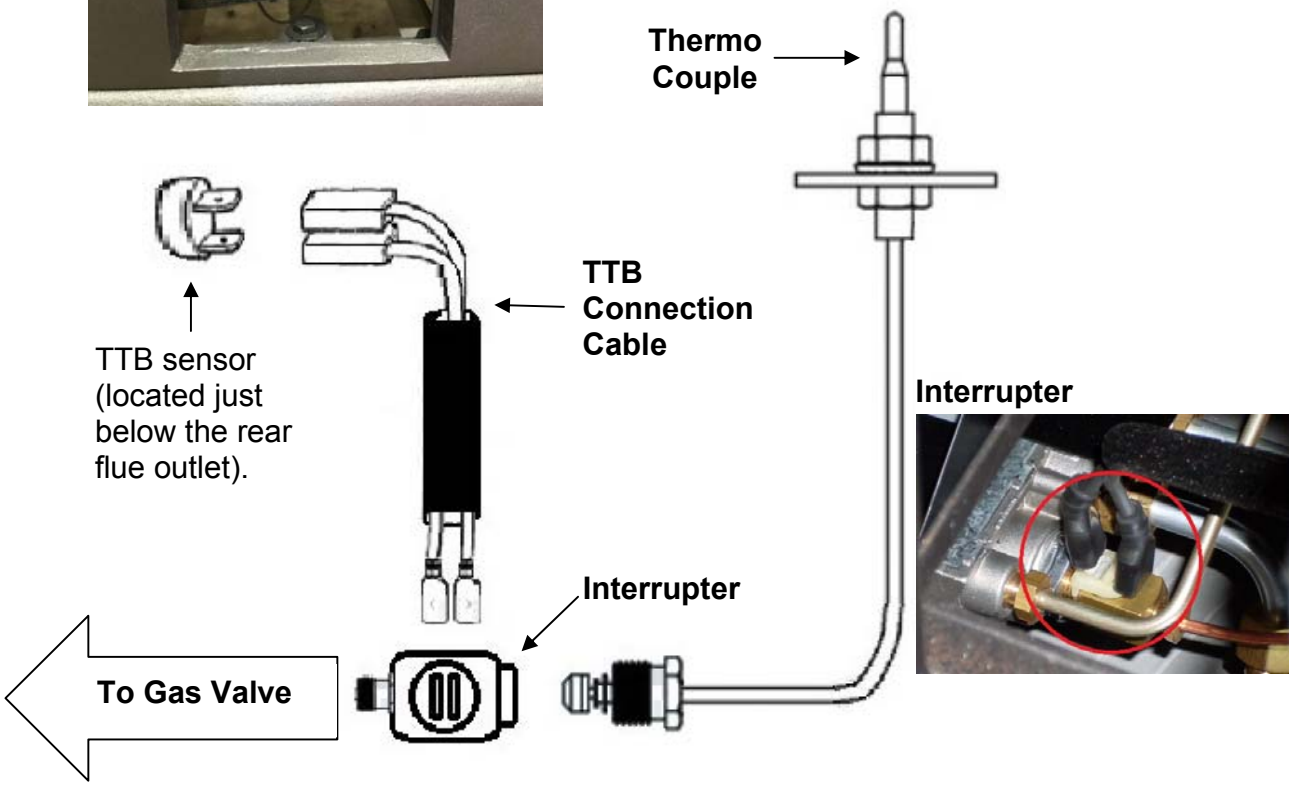


4. *The “L” brackets should now line up with the two holes located on the* internal rear plate. Finally screw the two self tapping screws and washers provided through the “L” brackets to hold the burner securely in place against the rear plate.

Assembly –Connecting the TTB Sensor

With the burner installed, thread the TTB connection cable from the interrupter to the TTB sensor (mounted on the rear panel of the stove).

TTB



Assembly – Positioning the Coal Ceramics

Only the ceramics supplied with this appliance should be used. The ceramics should only be laid as described. Replacement ceramics are available from your dealer. Whilst arranging the ceramics, ensure that the pilot is not obstructed. Broseley Fires Ltd accepts no responsibility for any injury sustained whilst handling hot ceramics. **Before any ceramics are placed in position ensure that the burner is operating correctly.** The flames should be fairly even across the burners mesh top. **Ceramics which are found to be placed other than in accordance with these instructions will result in a charge being made following any service callout.**

COAL LAYOUT

Warning: Ceramic coals are very fragile so always handle with care when fitting them. Follow these instructions carefully. Ceramics that are positioned wrongly could seriously alter the performance of your appliance.

Step 1

Open the door fully, you may wish to lift it from its hinges. Take the large base ceramic coal matrix making sure the front edge is facing towards you. Pick up the ceramic with both hands, placing the fingers gently through the flame holes. Support the weight at all times as the ceramics are fragile and damage easily. **During the placement do not force the ceramic into position as it will break.** Turn the front edge of the ceramic to face downwards and insert the right hand side first into the rear right corner of the stove. It should now be possible to gently follow with the left hand and at the same time rotate the ceramic upwards so that it lays flat on the burner. The ceramic should be against the back of the stove and central about the burner mesh.

Step 2

Take the larger of the rear ceramic (left hand side) and locate it into position on the base ceramic via the location holes and lugs. Ensure the flat rear side of the ceramics is against the back of the stove.

Step 3

Take the smaller of the rear ceramics (right hand side) and locate it into position on the base ceramic via the location holes and lugs. Ensure the flat rear side of the ceramic is against the back of the stove. The two rear pieces fit together.

Assembly – Positioning the Coal Ceramics

Step 4

Place the 6 loose coals across the centre of the fire, so that they bridge the gap between the rear and base ceramics. These coals should be rested gently in position. Do not push them into the gap, as this will prevent the flames from burning evenly and effectively. The path of the flame should not be obstructed.

Finally, close the stove door and wind on the M6 x 18 hex bolt back onto the door fixing bolt, slide the handle over the nut and using the Allen key supplied tighten the grub screw onto the nut.

Please Note

If there is any accumulation of soot within the fire chamber it may be necessary to adjust the individual ceramics to ensure they are not impeding any of the flames directly.

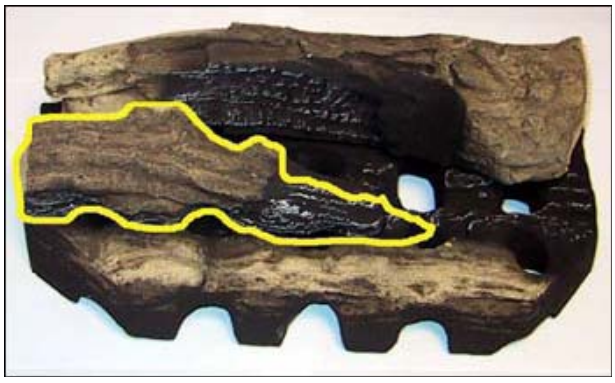
Assembly - Positioning the Log Ceramics

The ceramic logs have location points on them that will help you locate them in the correct position. Please read the following instructions carefully and use the diagrams to assist you.

Stage One
Position the largest ceramic on top of the burner and push it firmly against the rear of the stove. Ensure that it is central about the burner.

Stage Two
Position the rear log onto the two location lugs towards the rear of the base ceramic as shown in the diagram.

Stage Three
Position the next log as shown in the diagram below. This log also Has two location points.



Stage 4
This log is located on a lug that has been formed on top of the previous log. Locate this lug first, the other end of the log is a notched out section in the base ceramic.

Finally, close the stove door and wind on the M6 x 18 hex bolt back onto the door fixing bolt, slide the handle over the nut and using the Allen key supplied tighten the grub screw onto the nut.

Assembly – Gas Connection & Pressure Testing

A minimum 15mm-diameter gas supply pipe must be used to within 1 metre of the installation with the final connection to the stove to be completed with the suitable 8mm semi-rigid gas pipe. The 8mm pipe should be connected to the inlet of the gas valve using the nut and 8mm olive provided. Support the control whilst finally tightening the supply pipe. A gas safety tap / restrictor elbow with a pressure test point at the inlet to the burner is provided.

PRESSURE TESTING

Always make sure that there is adequate gas pressure and volume to the stove. The relevant pressures are on the ID plate on the gas control knob.

1. **For natural gas, this is 20mbar** measured at the burner test nipple situated at the inlet connection to the stove with the appliance in the full rate position.

2. **For propane, this is 37mbar** measured at the burner test nipple situated at the inlet connection to the stove with the appliance in the full rate position.

3. Ensure that the gas pressure to the stove is maintained when it is operating at the same time as other appliances in the building and that a suitable pressure gauge is used i.e. a manometer. **Any service call as a result of incorrect gas pressure will be chargeable.**

Spillage Testing

A Spillage Test MUST be made before the installed fire is left with the customer.

Carry out the test by first closing all doors and windows in the room containing the fire.Insure that the fire is burning at full rate for a minimum of 10-15 minutes.

Using a lighted smoke match run it along the top edge of the draught diverter on the rear of the stove, observing the smoke being drawn into the dilution box, after 10 minutes repeat the test

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

If there are still problems, the chimney / flue may require attention. Disconnect the stove and seek expert advice.

SPILLAGE MONITORING SYSTEM

This appliance is fitted with a Temperature sensing cut out (TTB) device in the event of the flue being blocked the device will recognise the fault as an increase in heat inside the stove and shut the appliance down within a safe period so that there is no excessive build up of products of combustion inside the room. This operation would only occur if the flue path suffered severe blockage and /or ventilation was severely impeded.

THE FOLLOWING ARE IMPORTANT WARNINGS RELATIVE TO THE SPILLAGE MONITORING SYSTEM

1. The installer must not attempt any adjustments to the spillage monitoring system.

2. There must be no attempt to disable the spillage monitoring system.

3. It is not possible to replace individual parts of the pilot assembly on the appliance – only a complete pilot assembly (including thermocouple) may be fitted in the event of a replacement being necessary. When the spillage monitoring system is replaced, only complete and original manufactures' parts may be fitted.

4. Should the appliance turn itself off, wait for a minimum of 3 minutes before attempting to re-light. In the event of your stove tripping out, consult your installation engineer to have the flue / chimney checked.

Operating the Stove

It is important to read these instructions thoroughly before lighting the stove.

The gas stove operates with a traditional permanent pilot light.

The knobs for ignition and power control are located on the lower right hand side of the stove.

The pilot light is located at the front middle of the coal matrix.

If the Flame Supervision Device Actuating Flame (the pilot light) is extinguished by intention or not, no attempt should be made to re-light **until 3 minutes have elapsed.**

IGNITING THE PERMANENT PILOT LIGHT

1. Depress the rear control knob fully.
2. Whilst depressed, turn knob sharply 90 degrees anti-clockwise to “pilot” setting. Repeat until pilot light is visibly lit. You should fell some resistance and hear a click. Repeat until the pilot lights.
3. **Keep knob depressed at this point for 15-20 seconds.**
4. Upon releasing, turn the knob anti-clockwise until it stops in the permanent pilot light position. The permanent pilot light will remain lit. This is the position for remote operation and can be left with the pilot running. You may wish to turn off the stove during long periods of non-use perhaps during the summer months.

EXTINGUISHING THE STOVE FULLY

1. From any heat setting or the permanent pilot, depress the rear control knob and turn clockwise to “OFF” position.

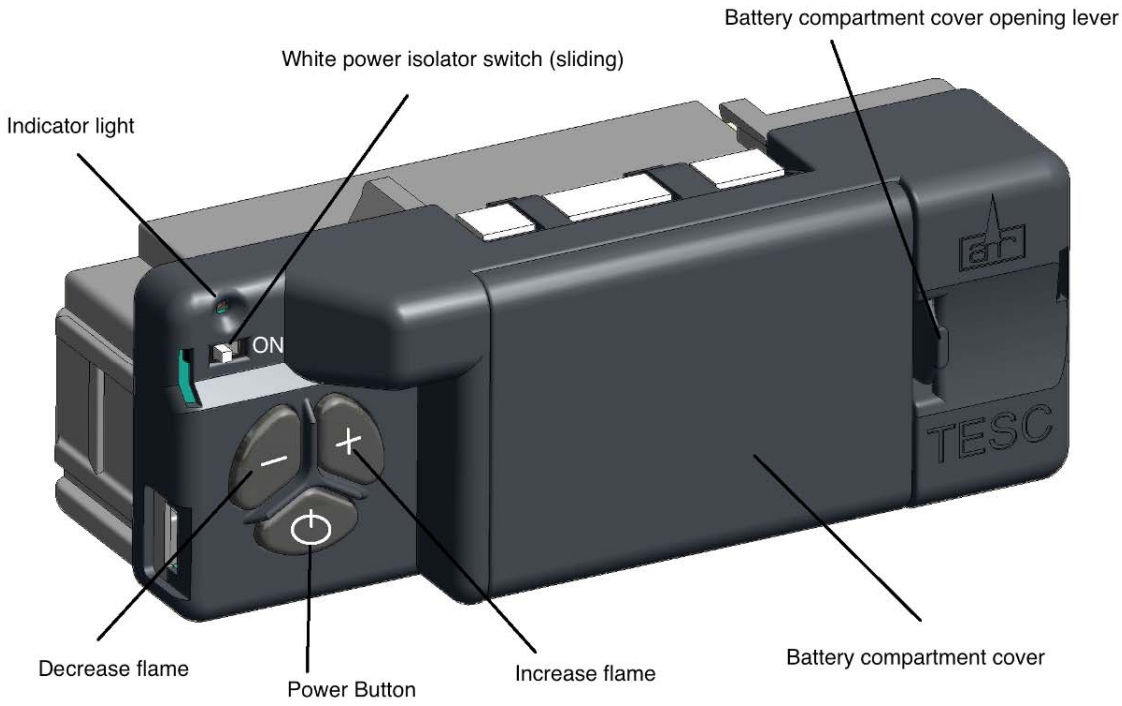
Should the glass door become broken or damaged in any way, turn your stove off and do not attempt to re-light it. Contact your dealer for a replacement to be fitted before relighting the appliance.

PLEASE EXPLAIN TO THE CUSTOMER THESE LIGHTING AND EXTINGUSIHING PROCEDURES AND THAT IT IS NORMAL FOR THE STOVE TO GIVE OFF ODOURS WHILST THE PAINT, SEALANT AND CAST IRON MATURES.

Operating the Stove – Remote Control

This control is situated on the lower right hand side of your fire. The drawing below shows the main features of the control.

The control requires 3 AA size alkaline batteries to be inserted under the battery compartment cover. The orientation of these is shown moulded into the battery compartment.



The power of the burner can be adjusted up and down by pressing the – and + buttons. After fitting the batteries and replacing the cover the fire can now operate. Slide the power isolator switch to the right to the on / I position.

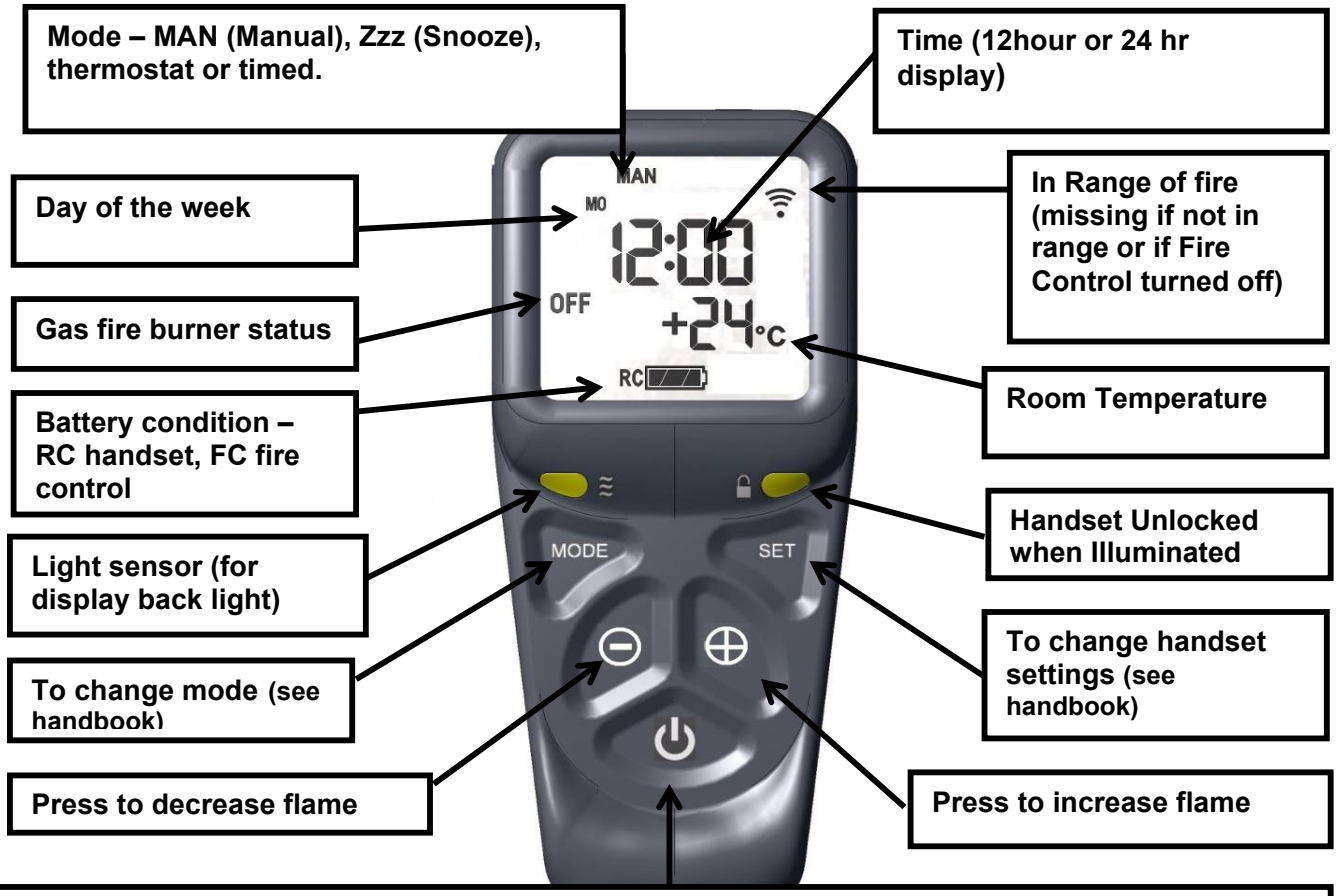
To start the fire, press the power button and hold for 1 second then release. The burner will within around 1 to **10** seconds, adjust to the maximum power setting,

To stop the fire, simply press the power button again and the burner will stop.

If you are not intending to use the fire for a long period (i.e. over summer time months) the battery life can be extended even more by sliding the isolator switch to the left (away from the “on” / “I” position, **symbol 0**).

Operating the Stove - Remote Control Version (Handset)

Ensure the power isolator switch on the front corner of Fire Control is in the on position I. NOTE: For safety reasons a button must be pressed and released for the command to be recognized. Keeping hold of a button when pressing (unless otherwise instructed) will not be recognized as a command press.
Grasp around the handset to unlock its functions. The green unlock light will illuminate to show when the handset is unlocked and ready to accept commands. (N.B. Keep a grip of handset to keep it unlocked, to continue to operate the command buttons)



Power button – To start the fire (after following the instructions of the previous page) with one hand grasp around the rear of both sides of the button area control. The green unlock light will illuminate. Keep the handset held to keep the control unlocked, to enable operation of the buttons. Then with the other hand touch and hold a finger on the power button for about 3 seconds. (A short beep and a flash of the unlock light will happen upon touching.) When the word “pilot” appears at the bottom left hand corner of the display, immediately release the power button. (A second flash of the unlock light and a longer beep will also sound at the time to release the power button). The Fire should be lit within a few seconds. (N.B If power button is held for more than a few seconds after second flash/beep/word pilot appears; the command is ignored for safety reasons. Similarly if it is released too soon before the word pilot appears, the command is also ignored. With this system, the control has been designed to ensure that only intended ignition of the fire occurs.) To stop – with handset held to unlock it, press then release power button.

Operating the Stove - Remote Control Version (Handset)

The handset comes already paired to work with the fire and the time set etc. Please read these instructions carefully and watch the instructional YouTube video through your internet web browser if necessary. Do not try pairing the handset thinking that it is not paired it is more likely the handset is not being pressed correctly.

For safety reasons the handset is made not to be operated by accident, please follow the instructions as below:-

- **The handset should be showing a Wi-Fi symbol**  **in the top right of the display. This means the handset is within range of the fire Control. (If the symbol is not there check a) the batteries are in the handset and the fire gas control properly the correct way around, b) the batteries are good batteries and c) that the small isolation switch on the gas control in the top left corner is in the " I " position and not the " O " position).**

- **To start the fire, with one hand grasp firmly around the rear of both sides of the button area control. The green unlock light will illuminate. (Keep the handset held to keep the control unlocked, i.e. the green light on, at all times to enable operation of the buttons).**

- **Then with the other hand <u>touch and hold a finger on the power button for about 3</u> seconds. (Upon touching a short beep and a flash of the unlock light will happen).**

- **As the handset beeps and flashes the green light for the second time, the word "pilot" will appear at the bottom left of the display, immediately release the power button as the word the word "pilot" appears. (It may take a few practices to do this correctly, but as stated it is done in the interest of safety to prevent unintended operation.)**

- **The Fire should be lit within a few seconds. (N.B. If power button is held for more than a few seconds after second flash/beep/word pilot appears, the command is ignored for safety reasons. Similarly if it is released too soon before the word pilot appears, the command is also ignored. With this system, the control has been designed to ensure that only intended ignition of the fire occurs.)To stop – with handset held to unlock it first, press then release power button.**

3) Setting the time

Should you have to set the time or change the time you need to enter the SETUP menu. Hold the handset to unlock the keypad and keep held throughout the following steps, (if you release too soon the menu will exit and you will have to start again). Press and hold set for several seconds. The symbol in the top centre will flash. Press and release the "mode" button several times until the word "SETUP" appears flashing in the top right corner of the display.
Press and release "set" again to enter the "SETUP" menu.

Here you can change the clock from 12 hr or 24 hour format, the day of the week, hour of the day, minute of the day and the display in Celsius or Fahrenheit.

To navigate through the menu "set" moves to the next parameter and "Mode" moves back to the previous parameter. "+" and "- "change the display parameter.

Setting the display for 12 or 24 Hour display

The H indicates that it is time to set the timer to either 24 hour display or 12 Hour (AM or PM) display. Press the + or – button on the handset to toggle between the two settings. When you are ready to confirm the setting you want press the "SET" button to progress to setting the day of the week.

Setting the day of the week

Press and release the + and – buttons until the correct day of the week is shown on the display.
(Mo = Monday, Tu= Tuesday, We=Wednesday, Th=Thursday, Fr=Friday, Sa= Saturday and Su=Sunday).
Press "SET" to accept the day of the week and to progress to setting the Hour of the day.
Note: Whilst doing this setup pressing "SET" advances to the next display and pressing "MODE" will return you to the previous display setting.

Setting the Hour

Press and release the + or – button to change the hour to the correct hour and press set to store and to move to setting the minute.
Repeat this for setting the minutes.

Setting the temperature display to Celsius or Fahrenheit

Press and release the + or - button to toggle between C and F. When the display shows the desired symbol, press and releases the "SET" button to store.

As the important settings above have now been done, press and hold for a few seconds the "SET" button for a few seconds and this will exit the setup menu. The control is now ready for use with the Fire Control.

Paging the handset

If you have misplaced the handset you can page it by pressing the + button only on the fire control for around 5 seconds. The handset will flash and make a noise to help you to locate it. Once you pick up the TESC it knows you hold it and so the sound stops. The flashing and sound will last for 60 seconds each time the handset is paged as described. If not found in 60 seconds, page again and so on. NOTE: PRESS "+" Button ONLY, NOT "+" and "-'Together as you will accidentally break the handset pairing and have to reset handset to factory state and pair again (see other parts of the booklet if this happens). Note: the legend at the bottom shows the battery condition of both the batteries in the hand set and in the fire control alternately. RC = Remote Control handset and FC = Fire control. The control is designed to get the most out of the batteries but when eventually the display shows they are spent(when the battery legend is an empty area, we recommend you change the batteries in the handset before they are flat, to avoid having to re-program the time of day in again. N.B. Pairing is not lost, even if the batteries are removed or flat.

Advanced settings Menu

In the event that you may want to change the other pre-set settings of the control features. Do not do a long press and hold above but a normal short press and release will take you into the advanced settings area.

Advanced settings options are:-

- Back light –
  - A = Automatic (default setting). The back light comes on in the dark but not in the light.
  - 0 = Light never comes on.
  - 1 = Light comes on whenever handset is unlocked.
- Display contrast – 8 levels from 0 to 7 (default level 4).
- P = pairing with other devices other than the fire control. The hand set can pair with other modules to :-
  - L= Operate an electric light – which is the dimmable in 9 steps
  - F= operate an electric fan –which can have 9 speed levels
  - A= operate an auxiliary contact to operate another device.

Other Modes than Manual mode

Depending upon the model of fire, your handset maybe enabled to have some automatic features, namely, Thermostat mode, timed thermostat mode and snooze mode. Snooze mode can be selected to work with in conjunction with either manual or thermostatic modes.

You can switch between modes at any time with the handset unlocked by pressing and releasing mode button to toggle between modes.

Note: If at any time the power button is pressed during operation, this will stop the fire and exit any automatic mode and return the handset to manual (MAN) operation mode.

Pairing the Handset to the Fire Control and resetting the handset to accept new pairing

NOTE: Do not do this operation just because of difficulties in understanding of operating the handset. The control is supplied originally with the pairing done so should not need doing on initial installation. Check understanding of control operation is understood.

If either the handset is reset or the gas control has the pairing operation buttons operated, the pairing that existed will be broken and both the two operations below will be required to be done to enable a new pairing to be set up.

Firstly Factory Reset of display handset (to enable handset to be paired again)

- To reset a handset to factory conditions and enable it to be paired with a new control, hold the handset to unlock.
- Press and hold the “set” button until handset beeps and release the “set” button. The symbols at the top of the display will be flashing.
- Press and release the mode button as necessary until the word SETUP is flashing in the top right corner.
- Press and release the “set” button again to enter the “setup” menu.
- Press and release the “set” button several times until CAO appears on the display (CA means Cancel All).
- Press and release the “+” button once to change the display to CA1. Press and release the “set” button once more and the display will change to say the word TESC as shown adjacent.
- The handset is now free to pair again.

Pairing Gas control with handset after handset has been made free to pair as above operation:

- Ensure all the batteries are fitted correctly and with the power isolator slide switch on the TESC Fire control put in the "I" position).
- Place the handset within 1 metre (3 feet) of the fire when pairing Simultaneously press and hold the – and + buttons on the fire control (i.e. not the handset) until the RED LED light on the gas control starts to illuminate. Immediately as it does so, press the power button on the gas control and the handset makes a noise and the display shows a symbol like a number 7 back to back with a reverse number 7.
- Then within a minute hold the handset to unlock the keypad a green unlock light will illuminate when the handset has detected your hand. The green light must be illuminated in this way for any of the command buttons to accept commands to operate the fire control.
- While the display is as described and holding the handset as described, press the "SET" button with the other hand to accept the pairing request to finish off the pairing of the handset to the Fire Control and to enter the setup the time of day on the handset as described in previous sections.

N.B If the display returns to the one shown above with the word "TESC" shown, then too much time has passed before pressing "SET" and so the handset has not paired yet. Simply repeat pairing again. **N.B** Only ever press "+" and "-"buttons together when pairing handsets. If done afterwards this will break the pairing made and a factory reset of the handset will need to be performed See Factory Reset of display handset later on in the instructions.

Snooze mode in manual operation

Snooze mode is a time period you can set which will turn off the fire after a certain time period has elapsed.

The snooze time period can be set before or during manual operation of the fire. Hold the handset to unlock as described previously and press the mode button as many times as necessary until the word MAN and the Zzz symbols are flashing at the top of the display. Press and release the set button and this will put the control into Manual snooze mode.

The default time period for the snooze time period is 1:00 hour. Pressing the set button again will show you the snooze time period remaining. This can be adjusted by pressing the "+" or "-"buttons. The timer period that can be set is from 1 minute to 4:00 hours.

After adjusting the time, press set again to enter the time setting required (or if left for a few seconds this time is now stored and used).

Once this countdown timer has reached zero the fire will turn off (as if you had pressed off manually, it does not recycle).

Snooze mode in Thermostatic mode

The same thing as above can be done before or during a thermostatic mode operation (see below).

Thermostatic mode for closed fires

The handset has within it a thermostat sensor and this can be set so the fire will heat the room to match the temperature set in the handset. There are 3 temperature types that can be set:-

-Day mode temperature that has a sun symbol on the display – the default temperature is 24 C

- Night temperature that has a half moon symbol on the display- the default temperature setting is 18 C

-Frost protection that has a snowflake symbol on the display – the default temperature setting is 5 C

Hold handset and press and release the mode button several times as necessary until the display has a thermometer symbol flashing at the top of the display. Press the set button to enter this mode. Press the set button again to see the temperature setting that is set and the mode (the default is 24 C) and on the left of the display is a sun symbol showing it's the day temperature.

If a different set temperature is required, while the display is showing this set temperature, press the + and – buttons to alter the setting. When finished either press set or leave and after a few seconds the new setting will be accepted and the display will return to the time of day screen.

On the anniversary of the net minute of the clock, the set temperature will be compared to the actual temperature displayed on the handset (i.e. the room ambient temperature around the handset). If the room temperature is higher than the set temperature the fire will not light until the room has cooled to below the set temperature. The fire would then automatically turn itself on when the room is cooler than the set temperature and down and off if necessary when it is hotter than the set temperature.
(Note- when the set temperature is reached while the fire is in operation, the fire reduces the burner power level each minute until the burner is off. The pilot (if fitted) will remain on for a further 30 minutes and if the set temperature is still too high, the pilot will then also extinguish. When the set temperature is higher than the actual temperature, the fire will automatically light and go to the full burner rate to reheat the room back to the set temperature.

Note: If at any time the power button is operated during Thermostat mode, the control will cancel any thermostat operation and return the control to manual mode.

For ease of setting there are two other modes that can be selected as stated above. Night mode (moon symbol) and frost protection setting (a snow flake). These can be selected (and adjusted if necessary) by pressing set then mode while in thermostat mode. Pressing mode button toggles through from day to frost modes. The purpose of these settings is to help your fire to automatically protect you home against becoming too cold if there is a sudden change in the weather. The control must be left in the appropriate mode for this to function.

Note: As stated in an earlier section, snooze function can also be operated in conjunction with thermostat mode. The thermostat symbol and the Zzz symbol will be on together when in this mode.

Thermostat mode for open fires, this is the same as for closed fires except that:-

The fire will not ignite automatically and it will only regulate between minimum and maximum burner setting. The fire is lit manually by the remote control and then you enter thermostat mode as described above and set the temperature. When no longer requiring thermostat mode. Turn off the burner as described above and the handset returns to manual mode.

Curing the Paint

It is important to note that upon initial lighting of the stove you will notice a strong odour, this is the paint curing and is completely normal.

Most high temperature paints operate in the same way. They use a resin which dries at room temperature and a silicon resin which cures at high temperatures. When the stove is burned the dry resin burns away and the silicon cures. This transition occurs at about 475°F.

Curing times will vary for each stove, we recommend leaving the fire on high for an extended period. The house needs to be fully ventilated during these initial burnings and although the smoke is mostly Carbon Dioxide there are other components of the smoke which make it smell bad and may irritate some people. These problems will go away after the paint is fully cured.

Please note switching off the appliance when you first notice the smell will simply prolong the curing process, as recommended above the fire needs to be left on in the high setting.

Warning Notes

We would remind you that it is a legal requirement that the stove is installed by a qualified and accredited GAS SAFE installation engineer. Improper installation, adjustment, alteration, service or maintenance can cause personal injury and / or damage to property. If you are in the slightest doubt about any aspect of your stove's performance or you require additional information then please contact your stove supplier, a qualified installation engineer or call our technical help-line on 01743 461444.

Please do not store, keep or use petrol or any other flammable liquids, vapours or substances anywhere near the stove or any other heating appliance.

We hope these instructions are clear and helpful and you are able to enjoy the full benefits of your stove. Please keep this booklet handy for future reference.

The materials used in building your gas stove are guaranteed for one year provided the assembly and operation complies with these instructions. Accidental damage and all consumables including the glass door seal are not covered.

We are sure you will appreciate and accept that our guarantee cannot be extended to cover the assembly, installation and the use of your stove as these are all operations outside our control or influence.

Please retain your purchase receipt. We will need to see this in the event of a claim under warranty.

THE GAS PILOT WILL NOT IGNITE OR STAY LIT

- Ensure the gas is turned on at the appliance and the meter / cylinder.
- Hold the pilot gas button for at lest 20 seconds once the pilot is alight to ensure the operation of the safety thermocouple valve.
- Ensure that the pilot injector is not obstructed or blocked and it is free from any dust or dirt.
- Ensure that the thermocouple has not been damaged in transit. This is a very delicate device.
- On bottled gas (LPG), check that the cylinder is not empty.
- Ensure that the aeration ring shutter on the pilot head is fully open so that the pilot flame is initially intense: this can be subsequently turned down.
- Ensure the pilot flame is the correct size for the type of gas. The flame should be focused on the thermocouple probe, so that it is evenly encircled.
- Any whistling sound you hear is normally caused by dirt obstructing the pilot. This is normally cured by carrying out the cleaning process outlined in the next section entitled Servicing Instructions.
- After altering the pilot, check for any leakage of gas

THE MAIN BURNER DOES NOT SEEM TO BURN CORRECTLTY

- Ensure there is adequate gas pressure to the appliance. The pressure can be obtained by unscrewing the pressure test nipple and applying a suitable pressure gauge (i.e. A MANOMETER). Be sure that the gas pressure agrees with the identification label on your stove.
- Ensure adequate volume of gas is being used. Once the fire is burning on maximum, turn off all other gas appliances in the house and calculate the fuel being burned from the gas meter.
- See that the burner is burning evenly across the whole of the mesh surface without any coals in place.

THE MAIN BURNER WILL NOT IGNITE OR STAY LIT

- Ensure that the connections from the TTB to the rear of the valve assembly are connected. If these are not connected then the burner will not light.

Servicing Instructions

Servicing should be carried out annually by a qualified installation engineer when the stove is cold and the gas supply is turned off at the isolation tap. The following points should be checked.

- Remove the coals and clean any dust and debris from the top of the burner unit. Ideally a vacuum cleaner should be used, but a soft brush will do.
- Check the condition of the coals. Any damaged ones will affect the efficient operation of the stove and should be replaced with new ones available from your stove supplier.
- All gas supply joints should be checked to make sure they are completely sealed and that the gas supply and pressure is to specification.
- The pilot jets are correctly set and clear of obstruction.
- The chimney should also be checked to make sure there are no restrictions or blockages.
- Finally re-lay the coals and re-light the stove as described previously.

Commissioning Form

THIS SECTION MUST BE COMPLETED AND SIGNED BY THE INSTALLATION ENGINEER

PLEASE LEAVE WITH THE CUSTOMER AND THE APPLIANCE.

Size of Governor setting: (i.e.) Natural Gas 20MBAR

Length and size of gas supply: _____

Meter pressure Fire only on: _____

All Other appliances on: _____

Burner pressure Fire only on: _____

All Other appliances on: _____

Gas rate - Natural Gas - Time for 1 cubic foot in seconds: _____

Overall length of flue: _____

Is there any spillage: _____Is the draught excessive: _____

Is there any permanent ventilation in the room: _____

Has the room double glazing: _____

Is the aeration of the pilot correct: _____

Does the flame encircle the FFD: _____

Installation Engineers Name: _____

Address _____

_____

_____

_____

Post Code: _____

Telephone: _____ Fax:_____Mobile:_____

Gas Safe Registration No: _____

Signed: _____ Date: _____

1st service is due a year from this date

Annual Service Record

1ST YEAR SERVICE completion date:

SERVICE ENGINEER: REG. No.
COMPANY NAME: .
COMPANY ADDRESS: .

POSTCODE:
CONTACT NUMBER

2ND YEAR SERVICE completion date:

SERVICE ENGINEER: . . REG. No.
COMPANY NAME: .
COMPANY ADDRESS: .

POSTCODE:

3RD YEAR SERVICE completion date:

SERVICE ENGINEER: REG. No.
COMPANY NAME: .
COMPANY ADDRESS: .

POSTCODE:

4TH YEAR SERVICE completion date:

SERVICE ENGINEER: REG. No.
COMPANY NAME: .
COMPANY ADDRESS: .

POSTCODE:

5TH YEAR SERVICE completion date:

SERVICE ENGINEER: REG. No.
COMPANY NAME: .
COMPANY ADDRESS: .

POSTCODE:

6TH YEAR SERVICE completion date:

SERVICE ENGINEER: REG. No.
COMPANY NAME:
COMPANY ADDRESS:

POSTCODE:

Receipts should be retained for each year's service beyond year 6

Guarantee

Your decorative gas fire, when installed in accordance with the installation instructions and operated in accordance with these instructions should provide many years of safe and efficient operation.

We thank you for purchasing our product and trust it will provide excellent service.

This appliance carries a guarantee of One (1) Year.

We agree to repair free of charge or, at our option, replace the appliance or part thereof, which may prove to be defective within the guarantee period.

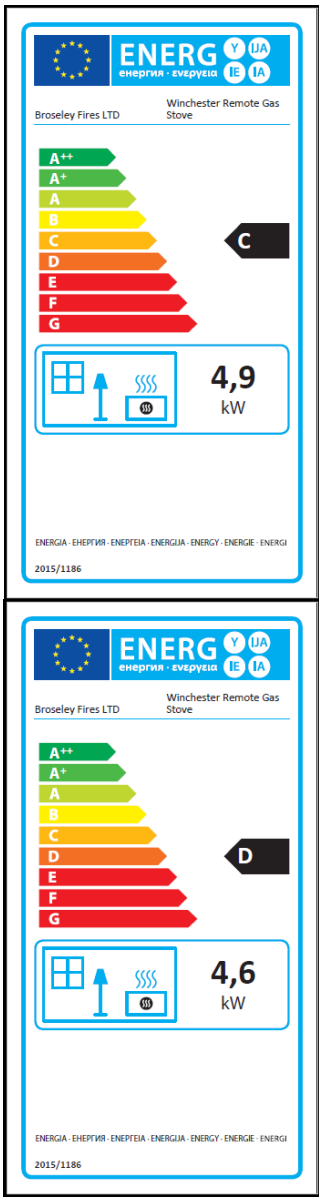
The guarantee is void if:

- The appliance is not installed and operated in accordance with our instructions, or
- Repairs or modifications have been carried out by the purchaser or any third party not authorised by us or:
- The appliance has been misused or accidentally damaged, or
- Damage is due to 'fair wear and tear.' or
- The appliance or defective component(s) are not returned to us, prepaid postage.
- The appliance has not been serviced annually by a 'Gas Safe Registered' engineer.

The rights given in this guarantee are limited to the UK mainland and are in addition to any to which you may have a statutory entitlement.

Please retain your purchase receipt. We will need to see this in the event of a claim under warranty.

Broseley Fires Ltd
Knights Way
Battlefield Enterprise Park
Shrewsbury
Shropshire
SY1 3AB
Tel: 01743 461444
Fax: 01743 461446
http://www.broseleyfires.com



Product Fiche		
Manufacturer : Broseley Fires Ltd		
Model No.	**Winchester Gas Stove Top Flue**	**Winchester Gas Stove Rear Flue**
Fuel Type	**Natural Gas I2H**	**Natural Gas I2H**
Energy Efficiency Class	**C**	**D**
Indirect Heating Functionality	**No**	**No**
Direct Heat Output kW	**4.9kW**	**4.6kW**
Indirect Heat Output kW	**N/A**	**N/A**
EEI	**79%**	**74%**
Useful Energy Efficiency (NCV)	**High : 83%**	**High : 78%**
Useful Energy Efficiency (NCV)	**Low : N / A**	**Low : N / A**
Nominal Heat Output	**High : 4.9kW**	**High : 4.6kW**
Nominal Heat Output	**Low : 2.4kW**	**Low : 2.2kW**
Heat Output Temperature Control	**Two Manual Stages**	**Two Manual Stages**
Permanent Pilot Power (kW)	**N/A**	**N/A**
Space Heating Emissions NOx (GCV)	**130mg/kWh**	**130mg/kWh**

Important Note:

The energy efficiency class of this product is defined using a seasonal efficiency calculation which reduces the actual net efficiency of the product where the use of automated heat control, thermostats, window open sensors and timers are not used. This is not to be confused with the net efficiency, or useful efficiency of the appliance (shown in the tables above).

This product MUST be installed by a Gas Safe Registered Installer. Full details are provided in this manual.

Broseley Fires Ltd, First Floor, Unit B Knights Court, Archers Way, Battlefield Enterprise Park, Shrewsbury, Shropshire SY1 3GA