

BALANCED FLUE APPLIANCES

USER, INSTALLATION AND SERVICING INSTRUCTIONS



**WARNING - THE FLUE SYSTEM OF THIS STOVE SHOULD
ONLY BE INSTALLED AND SERVICED BY A QUALIFIED
ENGINEER (i.e. CORGI REGISTERED ENGINEER)**

These instructions should be left with the customer for future reference

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This Manual Covers the following appliances:

série 4000

includes:

Free-standing

Wall-hung

Suspended

série 4200

Inset or built-in

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GENERAL INFORMATION

IMPORTANT SAFETY NOTICE

This appliance has a ceramic Fire-bed arrangement; this contains Refractory Ceramic Fibres, which are man-made vitreous silicate fibres. Excessive exposure to these materials can cause irritation to eyes, skin and respiratory organs. Hence we recommend that when handling these materials the release of dust should be kept to a minimum. During installation and servicing we recommend that a HEPA filtered vacuum be used to remove any dust and soot in and around the fire. If any of the ceramic fire-bed components need to be replaced we recommend that the removed parts be sealed in a heavy-duty polythene bag, and be labelled as RCF waste. RCF is not "Hazardous waste" and can be disposed of at a licensed tipping site for the disposal of industrial waste.

The appliance incorporates an Oxygen Depletion Monitoring system. (permanent pilot) This is located on the front of the burner, and must not be adjusted by the installer. This system must not be put out of operation, and if any parts require changing, only original manufacturer parts shall be used.

This appliance is designed to be used either Natural or LPG gas however, each individual appliance is only capable of running off the type of gas specified at the time of purchase. It is important to note that once a type of gas has been specified the stove cannot run off any other type. The type of gas that your stove is capable of burning is stated on the data information panel.

This appliance has been designed, tested and approved to meet standards in place for product use, performance and safety. Installation of your Stove must comply with current building regulations. It is therefore recommend that a **CORGI** engineer be

employed for this task. Taking particular notice of "thermal inversion" The engineer will provide you with information about the safety limits of the installation and should fix a notice plate in a place where it can be readily seen.

This appliance is designed as an efficient heating device and consequently all body parts become very hot in use. Except for the control knob and control access door, which are designed to stay cool, all other parts are working surfaces and should not be touched.

The glass and frame on this appliance acts as a fire-guard conforming to BS: 1945 – 1971 and satisfies the Heating Appliance (Fireguards) regulations 1991. No part of the window or frame should be permanently removed. **It does not give full protection for young children or the infirm**, extra protection should be considered for these conditions conforming to BS 6539 or BS 6778.

Bearing in mind that the heat given off by this appliance may affect articles placed close to it, curtains should not be placed within 30cm.

The appliance is not designed as a dryer. It is not therefore recommended that the appliance be used in such a manner. Do not place any articles within 30cm of this appliance as this may result in damage to the articles.

The installation must be carried out in accordance with the following regulations:

The Building Regulations issued by the Department of the Environment, the Building Standards (Scotland) (Consolidation) Regulations issued by the Scottish Development Department.

GENERAL INFORMATION

BS 1251, BS 5440 part 1, BS 5871 part 2, BS 6461 part 1, BS 6891 and BS 8303

In the Republic of Ireland the installation must also conform to the relevant standards, particularly in regard to flue sizing and ventilation. Refer to documents IS813, ICP3, IS327 and any other rules in force.

This appliance must be installed in accordance with the rules in force and used only in a sufficiently ventilated space, and is intended for use on a gas installation with a governed meter.

Before installation, check that this appliance is compatible with local distribution conditions, nature of gas and pressure. The technical specification of this appliance is given on the rear page of this manual.

This appliance should not be used if the Glass is broken, and should never be used with the Door open.

General Fitting Information

Inlet pipe connection	8mm compression
Chimney requirements	Balanced Flue
Flue monitor	Permanent Pilot
NO_x level	Class 1 (Nat. Gas), Class 5 (LPG)

User control: Variable rotary control inc. integrated Piezo ignition, Permanent pilot facility, Flame failure device and Oxygen Depletion Cut-out.

Before installation of these appliances, the area into which the fire is to be fitted must be cleared of all debris (including dust), in particular combustible material.

Battery type (Remote Versions only)

Receiver: 4x AA, R6 size.

Transmitter: PP3 (Alkaline only).

USER INFORMATION

USING THE APPLIANCE

IT IS VERY IMPORTANT TO READ THESE INSTRUCTIONS THOROUGHLY BEFORE LIGHTING.

This appliance will produce an odour and/or smoke for the first few hours of use when new. Please ventilate the room when first lighting from new.

There is a flue spillage monitoring system fitted to this appliance, which cuts off the gas supply upon the detection of spilled flue gasses. If this system activates and the appliance cuts out, allow 3 minutes before retrying the ignition, noting that the control tap must first be returned to the off position. If the pilot will not light, allow a further 3 minutes or sufficient time for switch to reset. If cutting off persists, then a professionally qualified (i.e. CORGI registered) engineer should be informed.

The controls are located behind the access panel, which is the swing out panel underneath the main door. The standard control is a basic rotary tap, which has a single control knob. As an optional extra a remote control version is available which has two rotary control knobs. The remote control version must be specified at time of ordering

All versions of this appliance operate with a traditional pilot light. The pilot light is located in the centre of the burner, and is visible through the front window. If the Flame Supervision Device Actuating Flame (the Pilot Light) is extinguished either by intention or not, no attempt should be made to re-light until 3 minutes have elapsed.

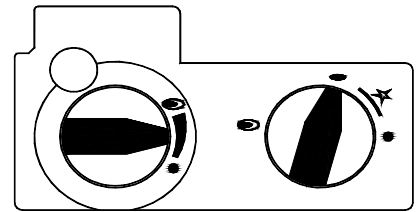
IMPORTANT: Immediately after lighting, the appliance must be left on HIGH for ten minutes in order to warm up the chimney.

STANDARD CONTROL

Igniting the Pilot Light

Turn the Right-hand knob slightly anti-clockwise towards the ignition position until reaching stop, depress and hold for five seconds (only pilot gas flows).

Whilst still depressed, turn further in an anti-clockwise direction to activate the piezo.



If the pilot does

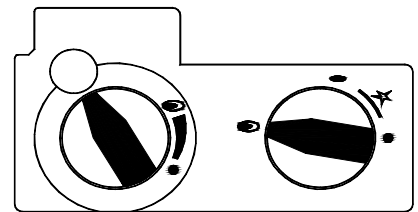
not light, repeated immediately.

Continue to keep the knob depressed for a further 10 seconds, after the pilot has been lit.

Upon releasing the knob, the permanent pilot will remain lit, if not return to off position and repeat.

Running the appliance at high output

Ignite permanent pilot as shown in "Igniting the pilot light".



Turn the Right-hand control knob anti-clockwise to the setting, which shows the larger flame.

Turn the Left-hand control knob anti-clockwise to the highest setting (large flame).

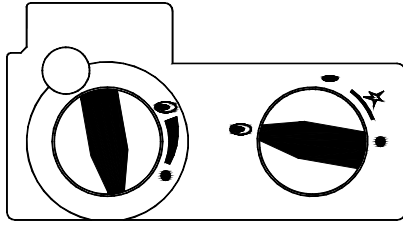
The appliance is now burning at its highest operating output.

Running the appliance at low setting

Ignite permanent pilot and run appliance at "High"

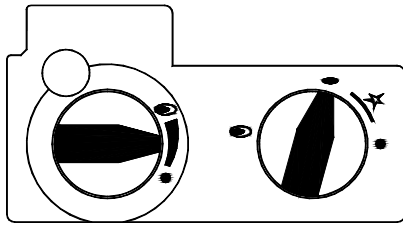
USER INFORMATION

With the Left-hand control knob at the highest setting, rotate in a clock-wise direction to the lowest setting (filled circle). The appliance is now operating at its lowest operating output.



Extinguishing the appliance back to permanent pilot setting

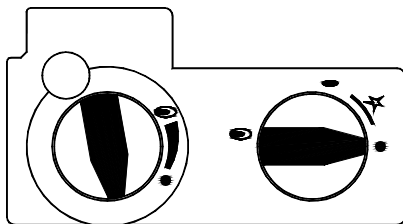
From any heat setting, turn the Right-hand knob in a clockwise direction to the "Pilot" position (the smaller flame).



Extinguishing the appliance fully

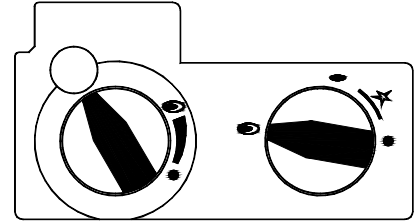
From any heat setting, turn to "Pilot" as in "Extinguishing the appliance back to permanent pilot setting".

Depress the same knob slightly and turn clockwise to "Off" position (filled circle).



REMOTE CONTROL (SIMPLE VERSION)

Ignite the pilot as described for the "Advanced Manual Tap" above. Turn Right-hand control anti-clockwise until it is on the large flame setting. You are now able to use the remote control. To increase the



flame, the top button should be depressed. Pressing the lower button on



the handset will reduce the flame. It is also possible to turn the main burner all the way down so that it is effectively off, leaving only the pilot ignited.

When using the remote control system, the appliance also maintains full manual control. Hence the stove can be operated using either the Manual Controls of the Remote Handset.

USER INFORMATION

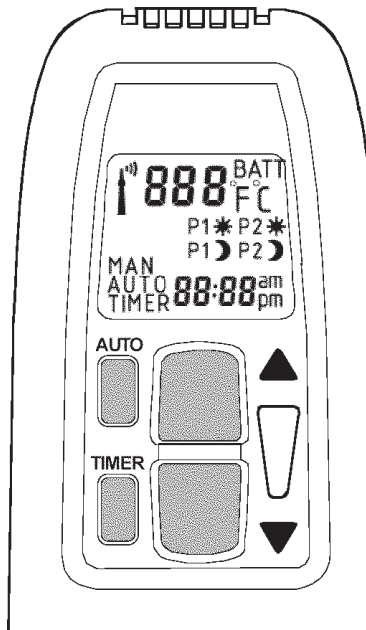
REMOTE CONTROL WITH CLIMATE CONTROL

Setting the Display

After connecting the battery or by simultaneously pressing **AUTO** and **TIMER**, the display flashes. You are in set mode.

From set mode, press **AUTO** to switch from °F (and 12 hour clock) to °C (and 24 hour clock) or vice versa.

The display will automatically return to manual mode after some time, but you may immediately return to manual by depressing the **TIMER** button.



Setting the current Time

After connecting the battery or by simultaneously pressing **AUTO** and **TIMER**, the display flashes. You are in set mode.

From set mode, press (▲) to set the hour and (▼) to set the minute.

Wait or press **TIMER** to return to "manual" mode.

Programming the Desired Set Temperature

Press **AUTO** until the display flashes.

Press (▲) or (▼) to set the desired temperature.

Wait or press **AUTO** to switch to automatic mode.

A sensor in the transmitter measures the room temperature. The controller compares the room temperature with the set temperature and sends a signal to the receiver to turn the gas valve motor, which adjusts the flame height accordingly.

Programming the Timer

Press **TIMER** until **P1*** flashes (period 1, heating cycle on).

Set the time for the beginning of the first heating period by pressing (▲) for hour and (▼) for minute.

Press **TIMER** again, **P1**) appears.

Set the time for the end of the first heating period.

Press **TIMER** again to set the second heating period **P2*** (heat on) and **P2**) (heat off).

Store both heating periods by pressing **TIMER** again.

If only one heating period is desired, program the same time for **P2*** and **P2**) .

Manual Mode for Manual Flame Height Adjustment

(MAN in display)

Press (▲) to turn on the fire (main burner) or to increase flame height

Press (▲) to decrease flame or to turn down to pilot. To incrementally increase or decrease the flame height lightly tap either the (▲) or (▼) button.

The "send" symbol appears in the upper left corner of the display when either button is depressed.

The LED of the receiver flashes when knob B of the valve reaches its end stops.

Automatic Mode for Temperature Control

(AUTO in display)

Briefly press **AUTO**. The set temperature will appear briefly before the display reverts to the room temperature.

USER INFORMATION

Timer Mode (TIMER in display)

During heating periods **P1**★ and **P2**★, the temperature is controlled in the same manner as in automatic mode.

When the timer program turns to) (heating cycle off), the motor will turn the valve to pilot and there is no temperature control. This minimizes battery consumption.

You may press **AUTO** to verify the set-temperature and then press **TIMER** to return to timer mode.

You may press either the (▲) or (▲) button from any mode for manual override.

To prolong battery life, we recommend switching the transmitter to manual mode and turning the fire to pilot with the (▲) button before turning the appliance off. If the transmitter is left in automatic or timer mode, the batteries will continue to be used when the appliance is off.

REMOTE CONTROL ELECTRONIC IGNITION SYSTEM

Igniting the Appliance.

Simultaneously press the "✕OFF" and "▲" buttons of the receiver for ignition.

An acoustic signal indicates that the start sequence has begun.

The electronic system then checks that the main gas is flowing and ignites the main burner; this may take up to 20 seconds.



(NOTE: During start-up, override knob cannot be in Manual position.)

Adjusting the Heat Setting

You are now able to use the remote control. To increase the flame, the top button (▲) should be depressed. Pressing the lower button (▼) on the handset will reduce the flame.

It is also possible to turn the main burner all the way down so that it is effectively off, leaving only the pilot ignited.

Extinguishing the Appliance Fully

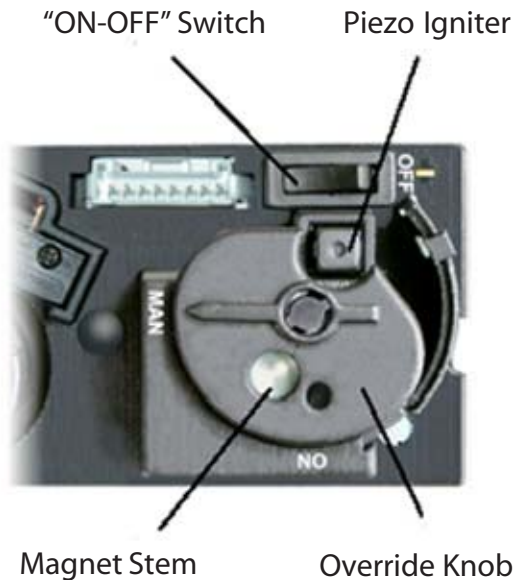
From any heat setting, press the "✕ OFF" button for a few seconds. This will cause the burner to fully extinguish.

The system has a safety interlock which will not allow the Ignition until the Interlock rests (this may take a few minutes).

USER INFORMATION

Manual Override

The system has a "Manual Override" feature that allows manual operation without battery power. For manual operation, turn the override knob to the "**MAN**" position. There is an opening that allows ac-



cess to the magnet stem, this should be pushed in to allow gas to pass to the pilot. This stem must be held in whilst the Piezo igniter is depressed to spark the Pilot. The stem must be held in for a further 15 seconds until the pilot light establishes. If the Pilot does not hold when the stem is released, repeat the process.

When the pilot is established, the "Override" Knob may be turned to the "**ON**" position. Control of the gas is then possible using the second control.

To turn the appliance off using the manual override, flip the "ON-OFF" switch.

INSTALLER INFORMATION

INSTALLATION

Before beginning the installation, check that the details on the rating plate correspond to the gas type and pressure to which the appliance will be connected.

Please note that if this product is to be inserted into a fireplace or used as a built in appliance it is important that the appliance has adequate ventilation all around. This ventilation must be equal to or greater than 200mm². The cavity into which the appliance will fit must also be cleaned out before installation.

Irrespective of installation type, the firebox must have a clear area beneath it of at least 100mm.

This dimension is shown on the figure on page 21 and is to ensure correct operation of the Delayed Ignition flaps (the two spring loaded flaps on the base of the firebox). For example if the appliance is wall hung, then the gap between the floor and the Delayed Ignition flaps must not be less than 100mm.

Ventilation

Balanced Flue appliances can be installed into a house without the need for additional ventilation. They can also be installed into a room that has a forced mechanical ventilation and/or fume extraction without any special extra requirements.

General Balanced Flue Notes

There are many possibilities for installing this Concentric Balanced Flue system into a building, both Roof and Wall terminations are possible, and the flue can either be built into an existing chimney or a completely new flue system may be constructed.

The system is based upon a Concentric Flue system which utilises an inner flue of 100mm diameter which passes through an outer flue of 150mm diameter. The flue gasses that are the products of combustion of the fire, pass through the inner flue and are safely vented to the outside environment. The gap between the inner and outer flues is the channel by which the stove is supplied with air for combustion.

These concentric flues terminate outside of the property in a terminal, this terminal will keep the expelled gasses and the fresh air for combustion separate. It is important that the terminal is not blocked, a suitable guard maybe required if the terminal is located at a "Low" level (usually when the terminal is within 2m of floor level).

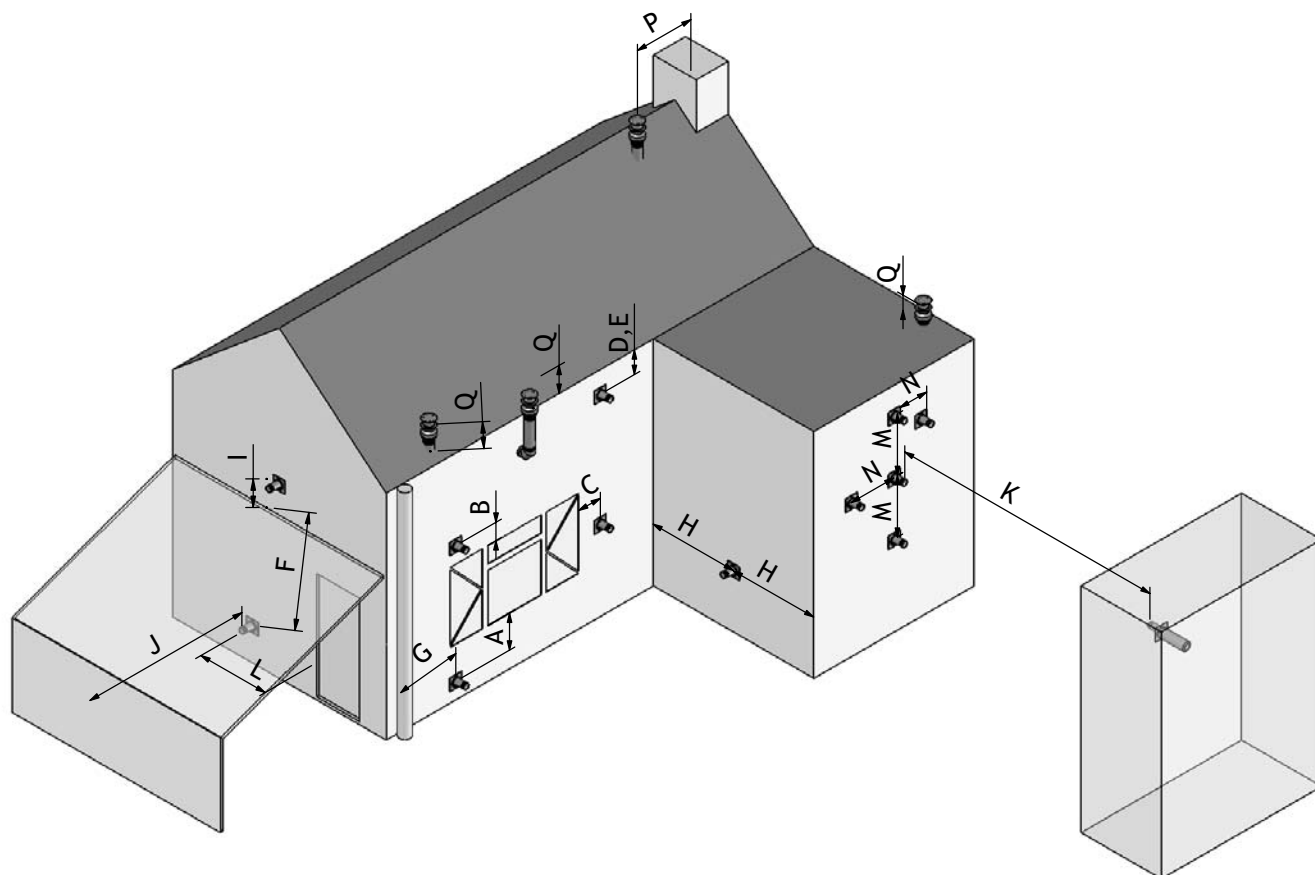
The Balanced Flue gas appliance can be installed as either a built in appliance in a new fireplace, or be installed as an insert into an existing open fireplace. If an existing Flue or Chimney is to be utilised, then the installation engineer must be consulted. If the chimney has been previously used it must be professionally cleaned and certified as being sound and fit for use.

The European CE approval on this appliance is restricted to the Flue systems as specified by the supplier, thus the appliance must only be installed with the original flue system, no others may be used.

The following few pages give brief details of terminal location. For further information including flueing suggestion please refer to the accompanying booklet "Balanced Flue Fitting Solutions".

INSTALLER INFORMATION

Terminal Locations Wall Mounting



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

* 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.

INSTALLER INFORMATION

Terminal Locations Roof Termination

“Distance” = minimum distance required for positioning of the outlet to avoid adverse effects with respect to:

- A. A ventilation opening serving an occupied room, a toilet or a bathroom
- B. A heating air supply, when the supply flows through an occupied room.
- C. A window that can be opened and that is near an occupied room, a toilet or a bathroom.

To avoid adverse effects	Distance: outlet - A, B or C
At the same roof level	>6 m (*)
At a different roof level	>3 m (*)(**)
At a lower positioned wall	>2 m (**)
At a higher sloping surface	>6m (***)

(*) If the required distance cannot be achieved, the outlet position rules take precedence.

(**) If the outlet is positioned at least 1 m higher than the intake supply opening, or a window that can be opened.

(***) If the required distance cannot be achieved, the position of the outlet must be at least 1 m above the highest facade/roof.

INSTALLATION OF THE STOVE

This appliance must be installed by a qualified CORGI gas engineer, and must be installed in accordance with the Regulations and Standards listed in the front of this Manual.

Failure to comply with the instructions in this manual, or the regulations and standards will result in the Guarantee being void and could have hazardous consequences.

Appliance Location

These appliances are designed with the “Firebox” raised up off the ground level by the built in “Base unit”.

Thus these appliances require no special Hearth arrangements, as the floor will not get hot and is protected by the steel construction of the “Base unit”.

The appliance must not be fitted against a rear wall constructed from a combustible material; a gap of 300mm should be given all round the stove before combustible materials may be used in the wall construction.

If the appliance has to be located in an opening, a minimum clearance of 50mm should be allowed to non-combustible materials.

The stove must be located at least 280mm from any combustible materials.

A combustible shelf may be fitted over the appliance, if in the case of a 150mm or less deep shelf; there is at least 280mm clearance above the top of

INSTALLER INFORMATION

the stove. The shelf depth may increase at the same rate as the increase in clearance; i.e. a shelf depth of 200mm would require a clearance of 330mm.

Gas Connection

These appliances as delivered are always set as a Natural gas appliance, if the appliance is to be used on Propane gas, then the appliance will have to be modified as detailed in the section "**Propane Gas Adaption**".

It is important to ensure that all pipe work installed is fitted in accordance with BS6891 and is capable of supplying sufficient gas flow and pressure to meet the minimum pressures Technical section of this manual. A minimum pipe size of 15mm should be used for the gas supply to within 1 metre of the appliance. 8mm pipe may only be used for the final connection to the stove, or within 1 meter of the appliance. An 8mm nut and olive is supplied with the stove for the final pipe joint.

A gas supply tap must be installed in the supply pipe work in a location that is easily accessible, such that the appliance may be isolated if necessary.

Do not make any connections to the appliance until all supply pipes have been purged to expel any dust or debris. Failure to do this may result in a blocked injector or tap and will invalidate the guarantee

Although a gas soundness test is made on all appliances before they leave the factory, the appliance should be tested for soundness before operating the stove. This is to ensure that the burner has not been damaged in transit.

Pressure Testing

The gas pressure to the burner must be measured; this should be measured with all gas appliances after the gas meter operating on full, including this stove.

For Propane, irrespective of Gas Supply Pressure, the Burner pressure must always be set to 29.5 +/- 0.5 mbar when the appliance is on full setting.

The Throttle screw in the centre of the valve can be used to set this value.

See page 22 for Gas Pressure values.

Floor Protection (Hearth)

These appliances are designed with the "Firebox" raised up off the ground level by the built in "Base unit".

Thus these appliances require no special Hearth arrangements, as the floor will not get hot and is protected by the steel construction of the "Base unit".

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CONNECTING THE REMOTE CONTROL (WHERE APPROPRIATE)

Simple Version Up and Lower control only

This requires no external electrical power to operate. The receiver unit has a unit that has only one lead. This lead has two plugs (of different sizes), these will plug into the two spade plugs on the front of the Gas Control unit.

Install the batteries into the receiver and the handset, these will be 4 x 1,5V AA alkaline and 9V PP3 alkaline respectively.

This Receiver/Handset works using sound waves, and as such no direct line of sight is required between the two items. Provided that the distance between the receiver and handset is less than 10m, the system will work.

The receiver unit can be hidden away under or behind the stove, ensure that the receiver is located in an area that has a temperature below 60°C, and that the customer knows where the receiver is for future battery replacement.

Check the system.

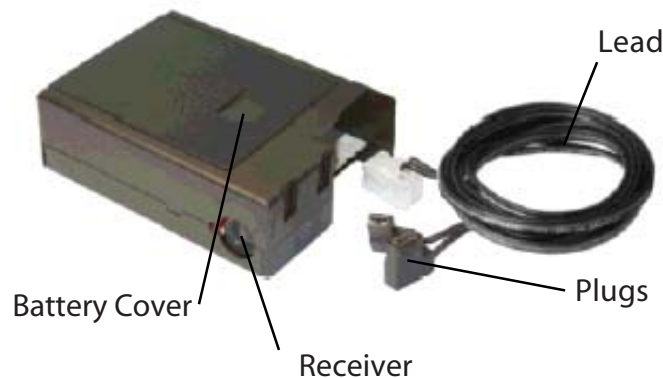
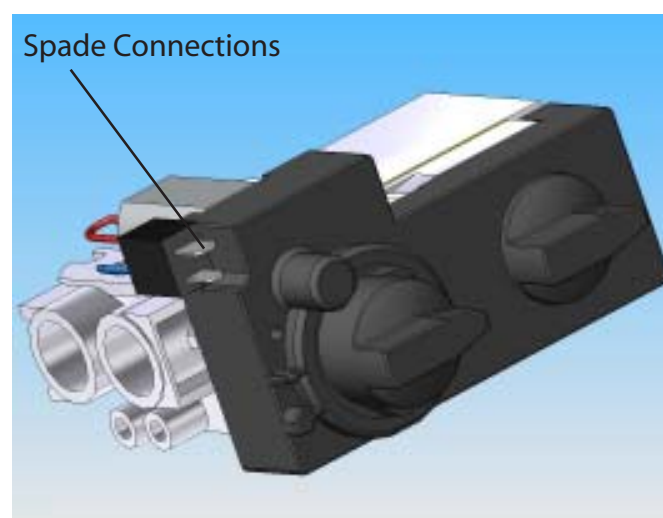
Climate Control System

This requires no external electrical power to operate. The receiver unit has a unit that has only one lead. This lead has four plugs (two larger plugs of different sizes and two plugs the same size). The two larger plugs fit onto the two spade plugs on the top of the Gas Control unit, the orientation of these plugs is important. The two smaller plugs fit on to the small spade connectors on the side of the control unit.

Install the batteries into the receiver and the handset; these will be 4 x 1,5V AA alkaline and 9V PP3 alkaline respectively.

This Receiver/Handset works using sound waves, and as such no direct line of sight is required between the two items. Provided that the distance between the receiver and handset is less than 10m, the system will work.

The receiver unit can be hidden away under or behind the stove, ensure that the receiver is located in an area that has a temperature below 60°C, and that the customer knows where the receiver is for future battery replacement.



Check the system.

Electronic Ignition System

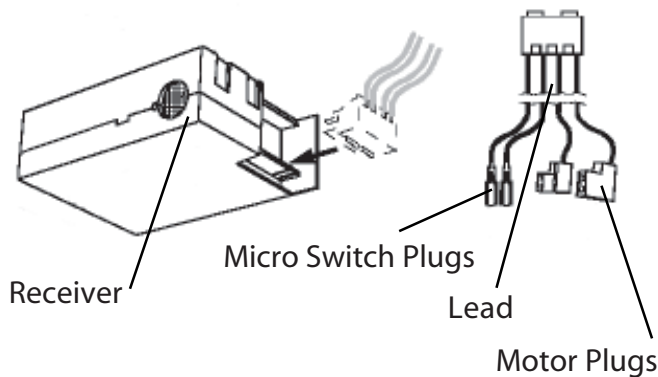
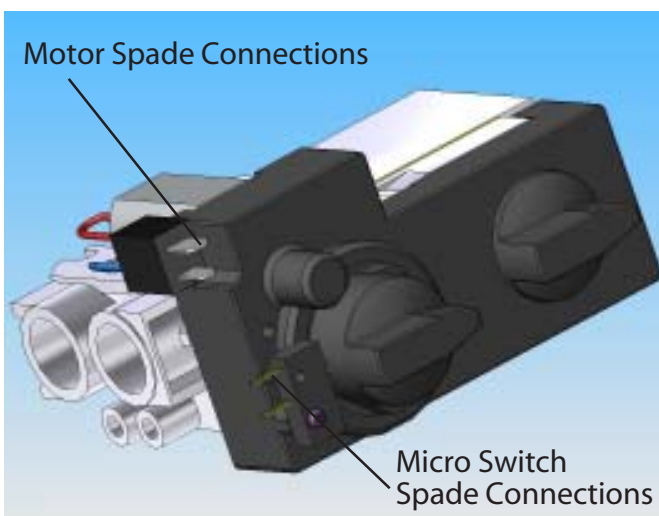
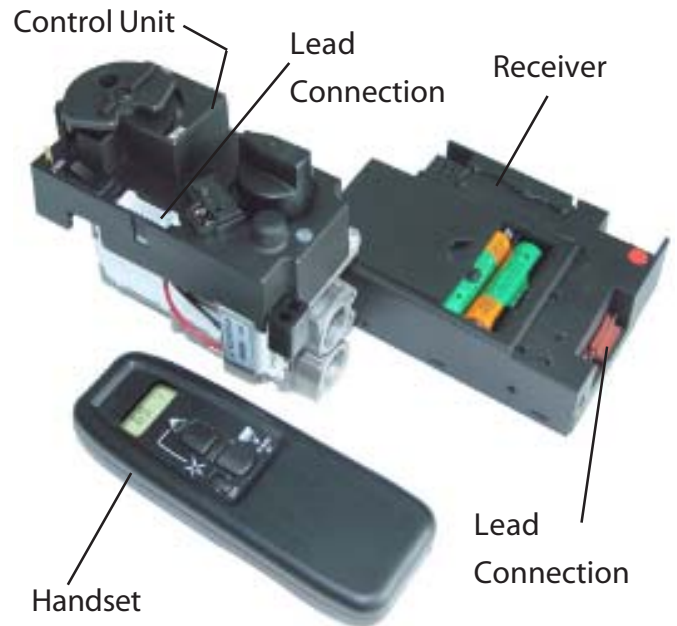
This requires no external electrical power to operate. The receiver unit has a unit that has only one lead. This lead has one single plug. This plug fits into the connector block on the front of the Gas Control unit, the orientation of this plug is important. Install

INSTALLER INFORMATION

the batteries into the receiver and the handset; these will be 4 x 1,5V AA alkaline and 9V PP3 alkaline respectively.

This Receiver/Handset works radio frequency, and as such no direct line of sight is required between the two items. Provided that the distance between the receiver and handset is less than 10m, the system will work.

The RF remote is preset to a unique code that, if necessary, can be easily changed in the remote handset. A four-position DIP switch enables any of



16 pre-selected codes. Pressing the switch on the receiver activates the new code.

The receiver unit can be hidden away under or behind the stove, ensure that the receiver is located in an area that has a temperature below 60°C, and that the customer knows where the receiver is for future battery replacement.

Check the system.

INSTALLER INFORMATION

ARRANGING THE CERAMIC FIRE-BED

Only the ceramics supplied with this appliance are to be used. The ceramics must be laid only as shown on the following pages. Replacement parts including mat are available from your dealer, but should only be installed by a qualified installation engineer.

Log Arrangements - Natural gas

Place the Mat on top of the burner such that all the holes on the mat align with the holes on the burner top plate.

Scatter both bags of Embers over the top of the Mat. Some of the embers should also be scattered over the front of the grate and the grate area to either side of the burner. Do not scatter any embers over the rear grate area. The picture below shows how the fire-bed should now look.



Special care must be taken not to let any embers enter the Pilot Shield and impinge on the pilot or thermocouple.

The Large Long log should now be layed



transversing the rear grate area, bringing the log forward to touch the back of the embers.

Next, place two of the largest logs, one at either end of the burner. The front of these logs are in corners of the appliance, with the rear sitting on top of the large log already in position.

Leaving the short "stumpy" log to one side for a moment, position three logs along the centre part of the burner, with the logs lying predominantly from front to back. These logs should be placed approximately 50mm from the front of the appliance, with their rear end sitting on top of the large log at the back.



The final "stumpy" log can now be placed, this can be positioned either to the left hand side or the right. However, it must be layed at an angle of approximately 45 degrees to the front, with its front sitting approximately 50mm from the front of the appliance, and it's rear end sitting on top of the log at the side. The picture above shows the log positioned to the right hand side.

INSTALLER INFORMATION

Log Arrangements - LPG gas

Place the Mat on top of the burner such that all the holes on the mat align with the holes on the burner top plate.

Scatter only one bag of Embers over the top of the Mat leaving the burner holes clear and un-impinged. Some of the embers should also be scattered over the front of the grate and the grate area to either side of the burner. Do not scatter any embers over the rear grate area. The picture below shows how the fire-bed should now look.



Special care must be taken not to let any embers enter the Pilot Shield and impinge on the pilot or thermocouple.

The logs can now be arranged as shown for natural gas.

Gravel Arrangements

These gravels may also be known as "Shingles".

Place the Mat on top of the burner such that all the holes on the mat align with the holes on the burner top plate.

Scatter the contents of the bag of gravels over the top of the burner mat and grate area.

Special care must be taken to ensure that the pilot and thermocouple are not blocked or impinged.

The final step must be to check that there are no gravels in the pilot shield, if there are they must be



removed.

INSTALLER INFORMATION

COMMISSIONING THE STOVE

A soundness test **MUST** be made before the installed stove is left with the customer.

Ensure that the fire is burning at full rate for a minimum of 5 minutes to warm the flue.

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

The stove will produce an odour and/or smoke for the first few hours of use. Please ventilate the room.

The data plate must be located in such a place that it can be read by both the user and any servicing engineer. This could be inside an access box that houses the controls, in the case of an inset appliance.

SERVICING INFORMATION

SERVICING INSTRUCTIONS

The following outlines only the minimum work that should be performed on an annual basis. This service work, like any other work on the appliance, must only be done by a qualified and competent engineer who is CORGI registered.

Open the door and remove all ceramics.

Remove mat from top of burner.

Remove any debris from the top of the burner using a vacuum cleaner and brush.

Inspect the burner unit.

Perform an ignition check.

Perform a flame failure check

There should be no need to service the burner. If however this is required, then the engineer should check the setting pressure at inlet to burner; the correct pressure is shown at the rear of the manual. Brush off and replace ceramic arrangement as earlier in this manual, replacing any broken or damaged pieces.

Check all seal on door (including glass) and replace the Door.

Check the installation for gas leaks.

Check flue for clearance of products of combustion.

If any parts need to be replaced use only genuine Hwam parts, non-standard parts will invalidate the guarantee and may be dangerous.

Troubleshooting

The gas pilot will not ignite or stay lit?

Ensure the gas is turned on at the appliance and the meter/cylinder.

Depress the control knob for at least twenty 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 Electro-magnetic device.

On propane, the cylinder could be empty.

The pilot is not burning or performing correctly?

Ensure the pilot flame is the correct size for the type of gas. The flame should be focused on the thermocouple probe.

The pilot flame will have been set correctly in the factory.

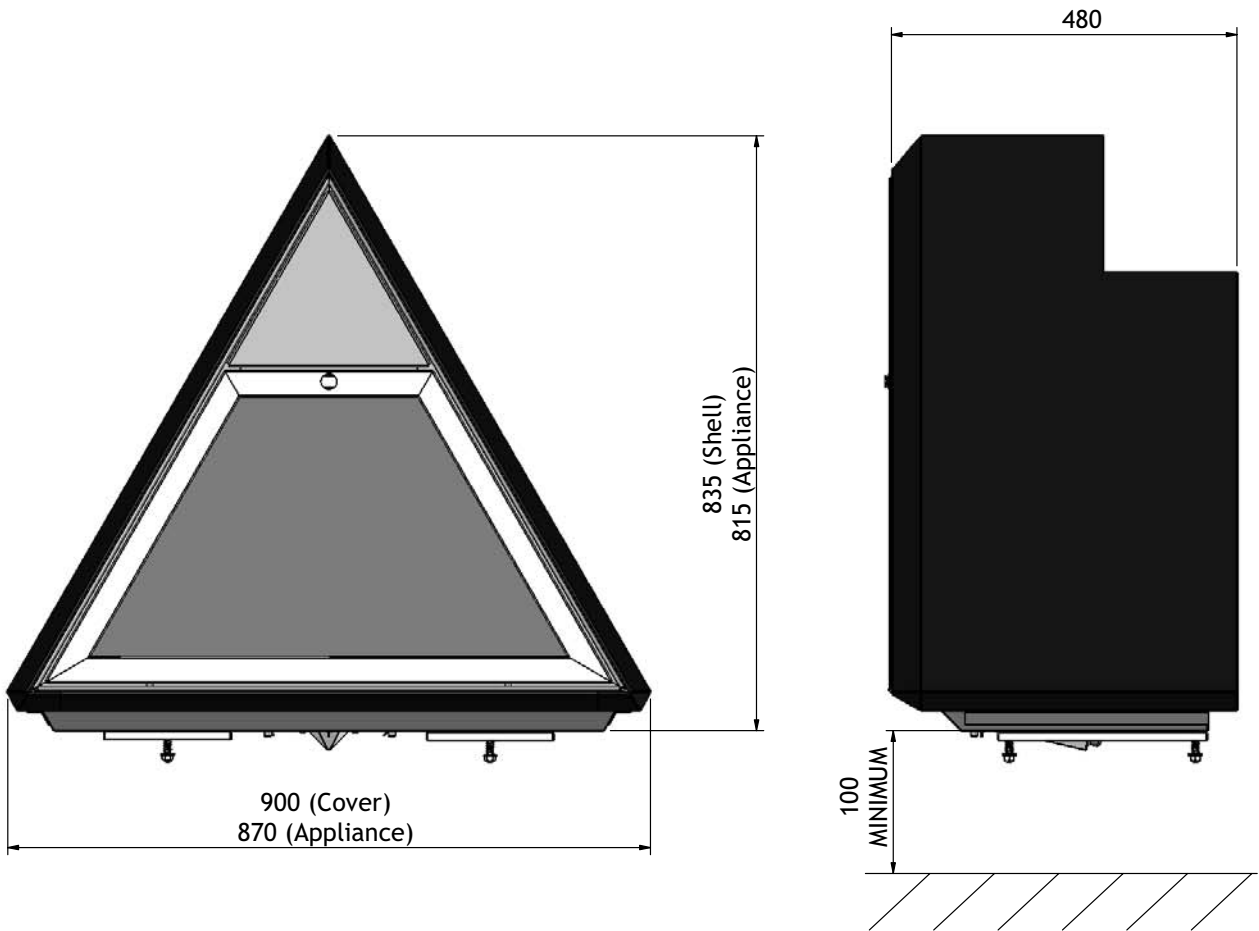
The Main Burner does not seem to be burning correctly?

Ensure adequate gas pressure to the appliance. Test pressure by releasing the pressure test screw and applying a manometer. 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.

Make sure that the burner is burning correctly. The flame should be even across the top of the burner before any coals are placed on top.

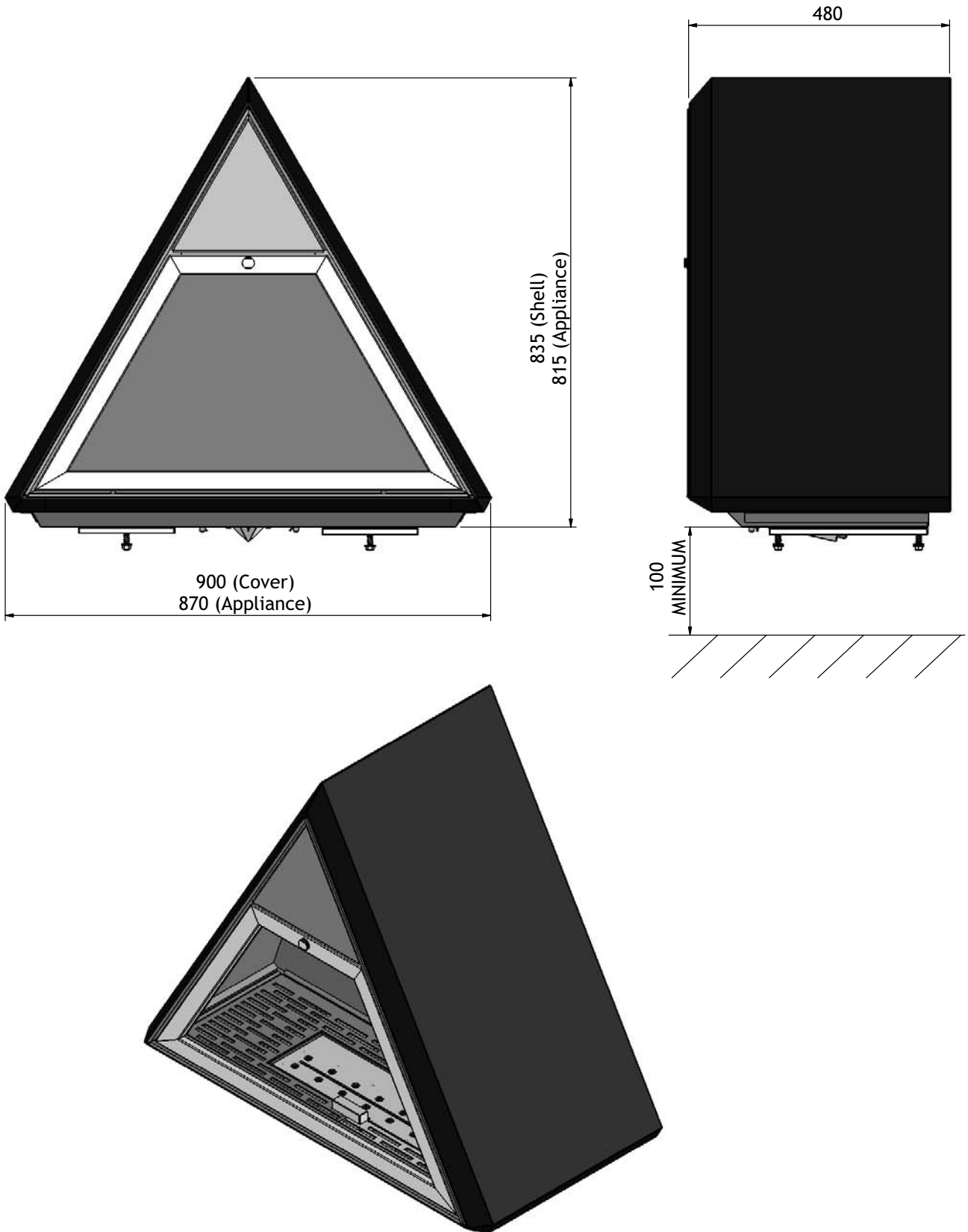
TECHNICAL INFORMATION

MODEL 4200 - 4110 (Top Flue)



TECHNICAL INFORMATION

MODEL 4105 (Rear Flue)



TECHNICAL INFORMATION

TECHNICAL DETAILS

Product Identification Number: 0063BQ5566

Gas Category	Natural					Propane		
	I2H	I2E	I2E+	I2ELL	I2L	I3P		
Gas	G20	G20	G20/G25	G25	G25	G31		
Supply Pressure (mbar)	20	20	20/25	20	25	30	37	50
Countries of Destination	AT,DK,ES,FI,GB,GR,IE,IT,PT,SE	DE,LU	BE,FR	DE	NL	DK,FI,NL,NO,SE	BE,CH,ES,FR,GB,IE,IT,PT	AT,DE,NL,LU
Efficiency Class	2					2		
Nox Class	1					5		
Pilot Burner (SIT OP)	0.977.113					0.977.148		

série 4000 and 4200

Nominal Input (Gross kW)	8.5	8.5	8.5/8.0	7.0	8.0	7.5
Gas Rate (max. m ³ /hr)	0.820	0.820	0.82/0.86	0.770	0.860	0.275
Burner Pressure (Hot mbar)	15	15	15/20	16	20	29.5
Burner Injector (Bray)	560					220