



**INSTRUCTIONS FOR USE &
INSTALLATION INSTRUCTIONS**

UNICA 200 L/R

UNICA 300

Gas fire with open combustion system



Bellfires wishes you many cosy evenings with your new Bellfires gas fire

This document is an essential part of your gas fire.
Read it carefully before use of the gas fire and keep it in a safe place!



Serial number:
Production date:

CONTENTS

	Page
1. INSTRUCTIONS FOR USE	7
2. INSTALLATION INSTRUCTIONS	17
3. MAINTENANCE	28
4. FAULTS	29
5. ELECTRICAL DIAGRAM	30
6. DIMENSIONS	31
7. TECHNICAL DETAILS/REGULATIONS	34
8. REPLACEMENT PARTS LIST	35

Interfocos Warranty terms

Interfocos B.V. guarantees the quality of the supplied Bellfires hearth and the quality of the materials used. All Bellfires hearths are developed and manufactured according to the highest possible quality standards. If, despite all this, something should prove amiss with the Bellfires hearth you have purchased, Interfocos B.V. offers the following manufacturer's warranty.

Article 1: Warranty

- 1.1. If Interfocos B.V. determines that the Bellfires hearth you have purchased is defective as a result of a flaw in the construction or material, Interfocos B.V. guarantees to repair or replace the hearth free of charge, without charging any costs for labour or spare parts.
- 1.2. Repair or replacement of the Bellfires hearth will be undertaken by Interfocos B.V. or by a Bellfires dealer as designated by Interfocos B.V.
- 1.3. This warranty is supplementary to the existing legal national warranty of Bellfires dealers and Interfocos B.V. in the country of purchase and is not intended to restrict your rights and claims based on the applicable legal provisions.

Article 2: Warranty conditions

- 2.1. Should you wish to claim under the warranty, please contact your Bellfires dealer.
- 2.2. Complaints should be reported as quickly as possible after they have manifested themselves.
- 2.3. Complaints will only be accepted if they are reported to the Bellfires dealer, together with the serial number of the Bellfires hearth which is stated on the front of the instructions for use.
- 2.4. In addition, the original receipt (invoice, receipt, cash receipt) showing the date of purchase must also be submitted.
- 2.5. Repairs and replacements during the warranty period do not give any entitlement to an extension of the warranty period. After a repair or replacement of warranty parts, the warranty period shall be deemed to have started on the date of purchasing the Bellfires hearth.
- 2.6. If a certain part is eligible for the warranty and the original part is no longer available, Interfocos B.V. shall ensure that an alternative part of at least the same quality shall be provided.

Article 3: Warranty exclusions

- 3.1. The warranty on the Bellfires hearth ceases to be in effect if:
 - a. it is not installed according to the supplied installation instructions, and to national and/or local regulations;
 - b. it has been installed, connected or repaired by a non-Bellfires dealer;

- c. it has not be used or maintained according to the instructions for use;
 - d. it has been changed, neglected or roughly treated;
 - e. it has been damaged as a result of external causes (outside the hearth itself), for example, lightning strike, water damage or fire;
- 3.2. In addition, the warranty lapses if the original purchase receipt shows any change, deletion, removal or if it is illegible.

Article 4: Warranty area

- 4.1. The warranty is only valid in those countries where Bellfires hearths are sold through an official dealer network.

Article 5: Warranty period

- 5.1. This warranty will only be granted during the warranty period.
- 5.2. The body of the Bellfires hearth is guaranteed for a period of 10 years against construction and/or material faults, starting from the moment of purchase.
- 5.3. For other parts of the Bellfires hearth, a similar warranty applies from the moment of purchase for a period of one year.
- 5.4. For user parts such as glass, glass (cord), thermocouple and the interior of the combustion chamber, a similar guarantee is given until after the first burning.

Article 6: Liability

- 6.1. A claim granted by Interfocos B.V. under this warranty does not automatically imply that Interfocos B.V. also accepts liability for any possible damage. The liability of Interfocos B.V. never extends further than that stated in these warranty conditions. Any liability of Interfocos B.V. for consequential damage is expressly excluded.
- 6.2. That stated in this provision is not valid if and to the extent that is derives from a mandatory provision.
- 6.3. All agreements entered into by Interfocos B.V. are, unless specifically stated otherwise in writing and to the extent that they are permitted based on applicable law, subject to the Conditions of the Dutch Metal and Engineering Association (METAALUNIEVOORWAARDEN), as filed with the registrar of the Court of Rotterdam on 1 January 2014.

Interfocos B.V.
Hallenstraat 17
5531 AB Bladel
The Netherlands
Tel: +31-497339200
Email: info@Bellfires.com

Carefully retain the instructions for use; they show the serial number of the hearth. You will need this if you wish to claim under the warranty.

1 INSTRUCTIONS FOR USE

1.1 INTRODUCTION

Congratulations on your purchase of this modern BARBAS gas fire.

This quality product will provide you with many years of enjoyment due to the flame effect and warmth that it provides.

Please read the instructions for use carefully before using the appliance for the first time. Keep this booklet in a safe place.

1.2 BUILT-IN PROTECTION OF THE APPLIANCE

The appliance is fully protected by means of a thermo-electric pilot light shut off in the event of a gas escape from the main burner.

Additionally, the gas fire is fitted with a thermal one-way protection safety system.

This system shuts off the appliance if the flue gas is not exhausted.

1.2.1 Safety



The gas fire must never be used with the door glass removed.



Never place flammable material on the ceramic log set.



Do not place easily-flammable materials, such as nylon clothing or flammable liquids, in the vicinity of the gas fire.



Children and others unfamiliar with the operation of a gas fire should be allowed in the vicinity of the appliance only under supervision.



Use a fire guard to protect children and other persons mentioned above against possible burns.

1.3 OPERATION GENERAL

The gas regulating block, with which the fire is operated, is located behind the operating hatch. The fire has one main burner which can be operated by the thermostatic knob and/or the sliding knob.

The thermostatic knob is used to choose the correct setting and the modulating thermostat ensures that the set temperature (13 - 38°C) is maintained.

The slider, is used to select the desired position, the burner will now continuously burn as an atmospheric burner until the setting is changed.

Both operating knobs can be used in combination.

If the appliance is equipped with a convection fan, the fan speed can be adjusted steplessly with the knob, located on the right-hand side of the gas regulating block. When the appliance reaches a temperature of 40°C, the convection fan will automatically be activated. After the appliance has been switched off, the fan will continue until the temperature has fallen below 35°C.

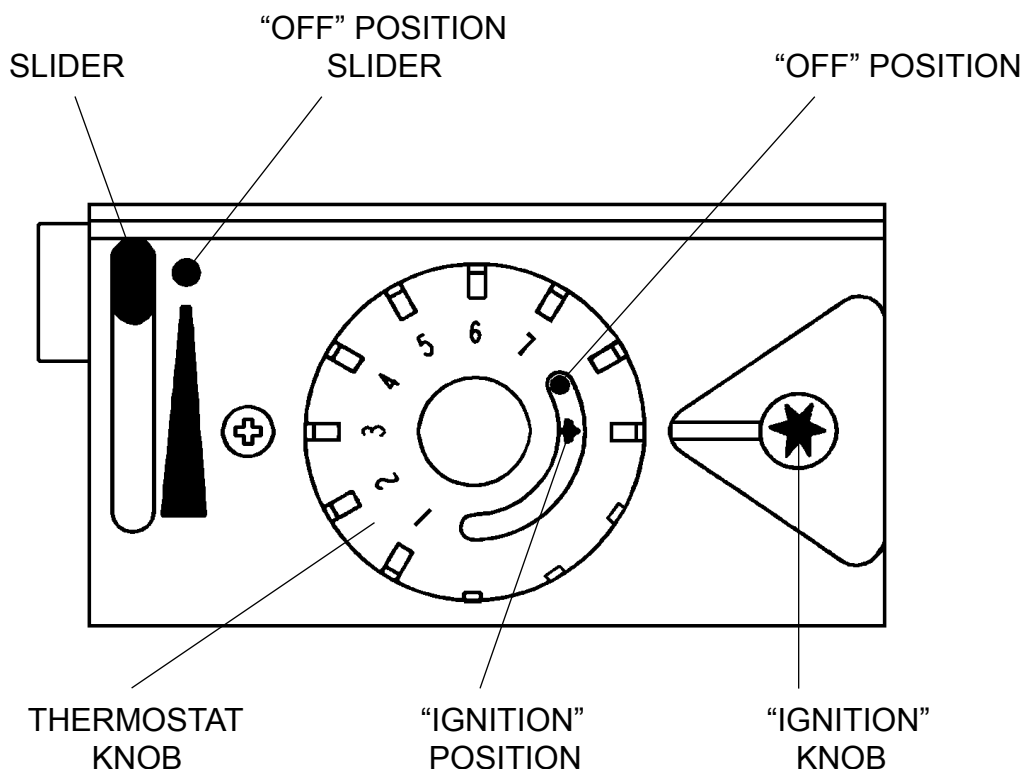


Figure 1: Operation

1.4 IGNITING THE FIRE

- Open the gas supply valve in the gas pipe to the fire.
- Lock the slider into “●” position.
- Turn the thermostat knob to the ignition position “★” and then push the knob in.
- While keeping the thermostat knob pushed in, press the ignition button a few times to ignite the pilot light. Check through the glass that the pilot light has been lit.
- When the pilot light is lit, keep the thermostat knob pushed in for a further 10 seconds, after which it can be released.

Important : If the pilot flame goes out, then wait for at least 5 minutes before repeating the above procedure.



- By turning the thermostat knob to the required setting and/or pushing the slider into a downward position: the burner will now ignite.

1.5 TURNING OFF THE FIRE

- Turn the thermostat knob to the ignition position “★”.
- Lock the slider to the “●” position.
The burner will now be fully extinguished.

If the thermostat knob is turned back to the “1” position, then the burner will continue to operate for as long as the room temperature remains below 13°C.

1.6 EXTINGUISHING THE PILOT LIGHT

- Extinguish the pilot by setting the thermostat knob to the “●” position.
- If the gas fire is not going to be used for a long period of time, it is recommended to close the gas supply valve to the fire.

Important : If the pilot flame goes out for any reason, wait for 5 minutes before attempting to re-light it.



- If the pilot light frequently goes out, then please contact your installer.

1.7 CONTROL OF THE APPLIANCE MODELS: UNICA 200 L - 400 / UNICA 200 R - 400 / UNICA 300 - 400

1.7.1 In general

The pilot light and burner are switched to “ON” or “OFF” by means of the control knob **A**. The flame height of the burner is regulated by control knob **B**.

The desired position is selected and the burner will burn continuously in this position, until this is changed.

The control knob **B** can be used in different ways:

1. Manually, by turning the knob by hand in the desired position.
2. By means of the cordless remote control, where the desired position of the knob and also the flame height are regulated by ultra-sonic signals.

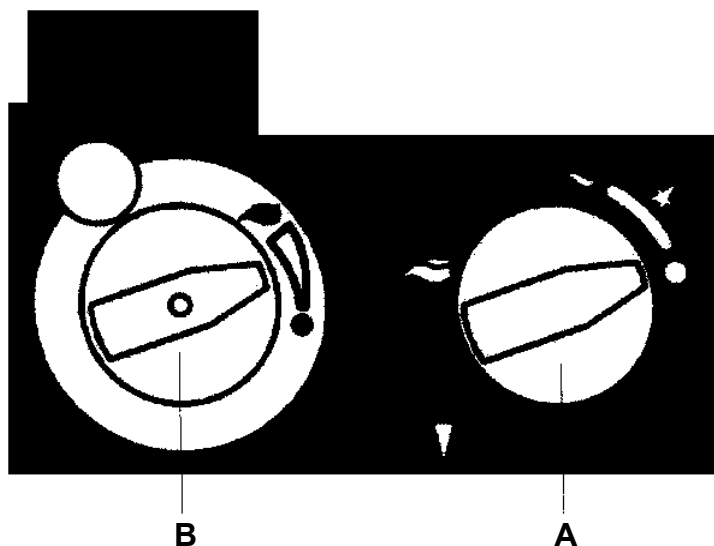


Figure 2: Operating switch model -400

1.7.2 Igniting the fire

- Open the gas valve in the gas supply pipe to the appliance
- Turn the control knob **B** to the position where the “big flame”-symbol is located.
- Turn the control knob **A** a little to the left until the stop.
- Press knob **A** and keep the button pressed approximately 5 seconds (the gas flows to the pilot light).
- Continue turning the pressed knob **A** further to the left to the ignition position (from the ★ -symbol to the “small flame” symbol). A “click” is heard indicating the ignition spark for the pilot light.
If necessary, click a few times until the pilot light burns.
- As soon as the pilot light burns, keep knob **A** pressed for another 10 seconds, then release.

Important : If the pilot light goes out, then wait for at least 5 minutes before repeating the above mentioned procedure.



- Continue turning knob **A** fully to the left until the “**ON**” position, (the “big flame” symbol) and the main burner is ignited.

Beware: it takes a few seconds for the burner to ignite!

1.7.3 Flame height

The flame height of the main burner can now be adjusted by means of control knob **B**. Manually in approximately 20 steps or by means of the cordless remote control (continuous). Turning knob **B** to the left in the direction of the “big flame” symbol increases the flame height, to the right in the direction of the ● -symbol decreases the gas supply from the minimum position to the “**OFF**” position.

1.7.4 Remote control

The remote control operates according to the “ultrasonic” principle and consists of a hand-held transmitter and a receiver. For a correct operation, aim the front of the hand-held transmitter towards the eye of the receiver in the appliance.

The appliance must already be switched on with the control knob **A**.

It is recommended to adjust always the flame height to the minimum or “**OFF**” position, before entirely switching off the appliance with the control knob **A**.

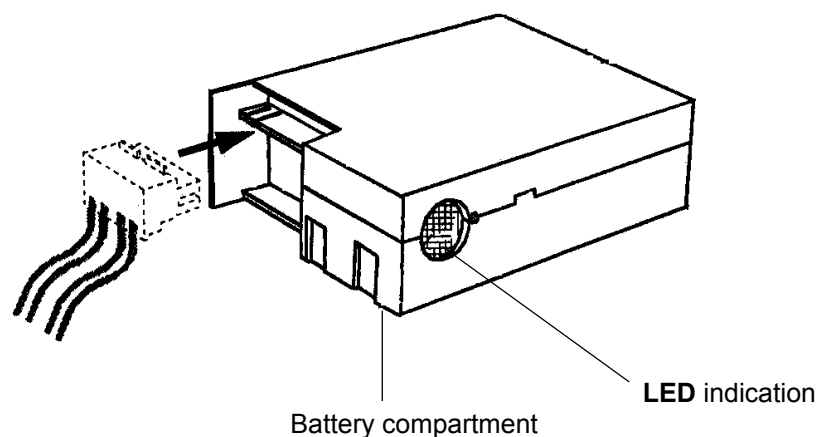


Figure 3: Receiver

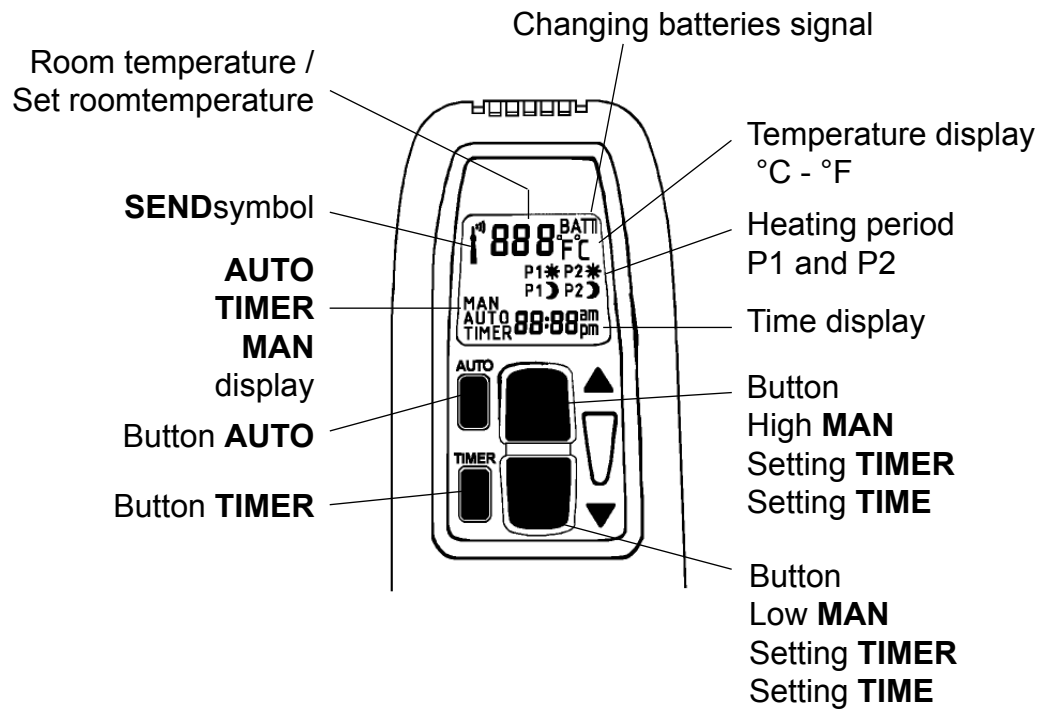


Figure 4: Hand-held transmitter Unica 200 L - 400, Unica 200 R - 400 and Unica 300 - 400

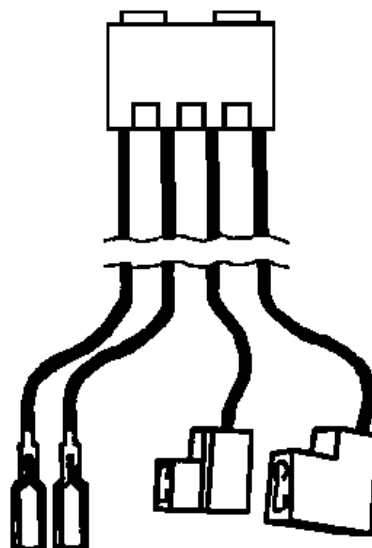


Figure 5: 4 x Connectors to gascontrols

1.7.5 Extinguishing the fire

Turn knob **B**, possibly with the remote control, fully to the right to the ● -symbol and/or turn the control knob **A** to the right until the stop ("small flame" symbol = pilot light position).

The main burner will still burn for a few seconds, after which it will be extinguished completely.

1.7.6 Set the display

- After connecting the batteries or when simultaneously pressing **AUTO** and **TIMER**, the display will flash. You are now in "**SET**" mode.
- Press **AUTO** to switch from °F (and standard time) to °C (and military time) or vice versa.
- The display will automatically return to manual mode after some time, but you may immediately return to **MAN** by pressing the **TIMER** button.

1.7.7 Set the current time

- After connecting the batteries or when simultaneously pressing **AUTO** and **TIMER**, the display flashes. You are in **SET** mode.
- Press ▲ to set the hour and ▼ to set the minute.
- Wait or press **TIMER** to return to **MAN** mode.

1.7.8 Programming the desired temperature

- Press **AUTO** until display flashes.
- Press ▲ or ▼ to set the temperature.
- Wait or press **AUTO** to switch to automatic mode.

1.7.9 Programming the timer

- Press **TIMER** until P1 ✱ flashes (heating period 1, heat **ON**)
- Set the time for the beginning of the first heating period by pressing ▲ for hour and ▼ for minute'setting.
- Press **TIMER** again; P1 ➤ appears on the display.
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 P1.

1.7.10 MAN mode for manual flame height adjustment

- Press ▲ to turn on the fire (main burner) or to increase flame height.
- Press ▼ to decrease flame height or to turn down the main burner. The pilot stays on.
- 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 ▲ or ▼ is depressed.
- The **LED** of the receiver flashes if you reach the end stops of the valve.

1.7.11 Automatic mode for temperature control

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

1.7.12 TIMER mode (TIMER in display)

- During heating periods P1 and P2, the temperature is controlled in the same manner as in **AUTO** 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.
- Press either the ▲ or ▼ button from any mode for manual override.
- For the **AUTO** or **TIMER** mode to function correctly, the transmitter must remain within range of the receiver.

1.7.13 Changing the battery

- If **BATT** appears in upper right corner of the display or if the **LED** of the receiver becomes faint, please change the battery from transmitter or receiver.
See also 1.7.15
- If the batteries lose power, the flame height can be adjusted by manually turning knob **B**.

1.7.14 Extinguishing the pilot light

- The pilot light extinguishes by slightly pressing the spring loaded control knob **A** and by turning it to the right to the “**OFF**” position (● -symbol).
- If the gas fire is not going to be used for a long period of time, it is recommended to close the gas supply valve to the fire.

Important: If the pilot light goes out for any reason, wait for 5 minutes before attempting to re-light it.



1.7.15 Replacing the batteries

The batteries of the hand-held transmitter and receiver have a lifespan of approximately one year.

If **BATT** appears in upper right corner of the display, please change the battery from the hand-held transmitter.

If the **LED** of the receiver becomes faint, please change the battery from the receiver.

Hand-held transmitter:

- Open the cover at the back of the hand-held transmitter.
- Carefully remove the 9V block battery and release it from the contact maker.
Do not pull the wires!
- Connect the new battery and refit. Close the cover.

Receiver:

- Remove the battery support from the housing and release it from the contact holder.
- Remove the batteries from the battery support.
- Place the 4 new batteries of 1,5V (type LR6 or AA) in the battery support as indicated. The pressure spring always against the negative pole (-) of the battery. Connect the battery support with the contact maker. Replace the support and close the cover. Incorrect placement of the batteries or the battery support can lead to irreparable damage to the electronics or the electric propulsion.

NOTE:

Please note, the placement of the transmitter (temperature sensor) is important to assure proper temperature regulation. Generally, a more constant temperature will be assured, if the transmitter is not too far from the gas appliance. Before switching to **AUTO** or **TIMER** mode, press either knob ▲ or ▼ to verify the reception (when the **SEND** symbol appears in the transmitter display, the receiver's **LED** must illuminate).

1.8 USING THE APPLIANCE FOR THE FIRST TIME

The gas fire is coated with a lacquer layer resistant to high temperature. During the first hours of operation, the burning in of the lacquer may result in an unpleasant smell. This is harmless, however. Operating the gas fire at full capacity for a few hours, while ventilating the room, will eliminate the smell. Moreover, deposits may form on the inside of the glass; these can be removed with a dry cloth when the gas fire has cooled down.

1.9 DAILY MAINTENANCE

- Regularly check that the air supply is still open.
- Ensure that as little dust, and as few particles of cigarette smoke, candles and oil lamps as possible pollute the air in the room in which the appliance is used. Heating of these particles by the convection system of the appliance could lead to discoloration of the walls and ceiling. It is therefore very important to ensure that the room in which the appliance is located is sufficiently ventilated. Regularly remove any dust deposits from behind the control flap by means of a vacuum cleaner.

Important: If the glass is broken or cracked, it must be immediately replaced before operating the gas fire again.



- If anything is spilt on the fire, switch it off immediately and wait for it to cool down sufficiently before cleaning. Never use scouring powder, aggressive cleaners or fire polish on the gas fire. Use only a dry lint free cloth.
- Heat resistant lacquer in aerosols can be obtained from your distributor. During the yearly maintenance, the lacquer can be used to repair small areas of damage.

IMPORTANT



**The installation must only be carried out by a
“Gas Safe Register” registered installation engineer.**

2 INSTALLATION INSTRUCTIONS

2.1 GENERAL

The gas fire must be positioned and connected as a “open” appliance by a “Gas Safe Register” registered gas installation engineer in accordance with the following installation instructions, nationally and locally applicable regulations (see “Technical Details/ Regulations” at the rear of this manual).

If you have any queries regarding the installation, please consult your local gas company.

If an existing chimney is to be used, please consult your installer first. If the chimney was previously used for a wood or coal fire, then it should be cleaned by an expert. A chimney draw of approximately 5 Pa (=0,05 mbar) is sufficient for full load of the appliance. If the chimney draw is more than 20 Pa (=0,2 mbar), then it is recommended to reduce it.

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.

2.2 FLUE PROTECTION

The appliance is supplied with a security system T.T.B. It is a thermostat which shuts off the pilot light and main burner under any of the following circumstances:

- insufficient chimney draw.
- under-pressure in the house due to a mechanical exhaust system.
- bad connection between the appliance and the flue.
- partial or total blockage of the flue, for instance, due to falling debris.
- insufficient external air supply in an entirely closed house.
- flue down draught due to wind.

After the problem has been rectified, the appliance can be put back into operation. It is not permitted to bypass the security system. Always call your installer in case of any problem.

Replace the security system only with parts identical to those originally supplied!

2.3 PREPARATIONS BEFORE INSTALLATION

Before installing the appliance, first observe the following instructions.

2.3.1 The most important facilities according to the regulations

- 1 NATURALLY VENTILATED HOUSE (see Figure 6).
 - The room in which the appliance is to be fitted must have a non-closable combustion air supply opening. The minimum dimensions are detailed in “Technical Details/Regulations” at the rear of this manual (see also Paragraph 2.4, point 2).
 - The flue gas exhaust must exit at “outlet area I”.

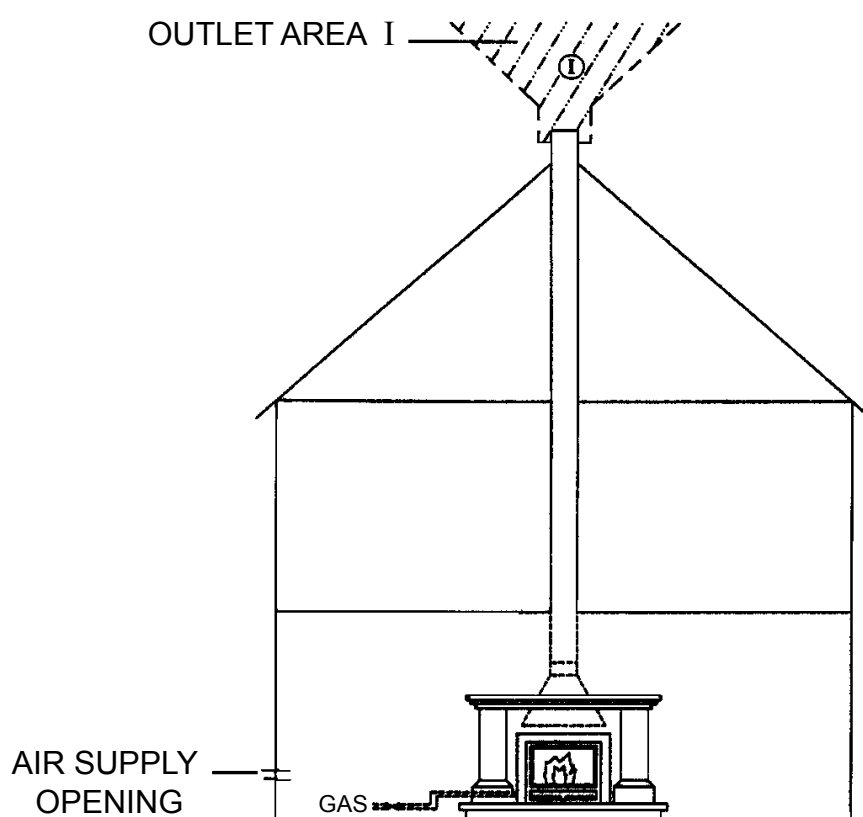


Figure 6: Naturally ventilated house

- 2 MECHANICALLY VENTILATED HOUSE (see Figure 7)
- The room in which the appliance is to be fitted must have a non-closable combustion air supply opening. The minimum dimensions are detailed in “Technical Details/Regulations” at the rear of this manual (see also Paragraph 2.4, point 2).
 - The flue gases must be extracted by means of a flue extraction fan.

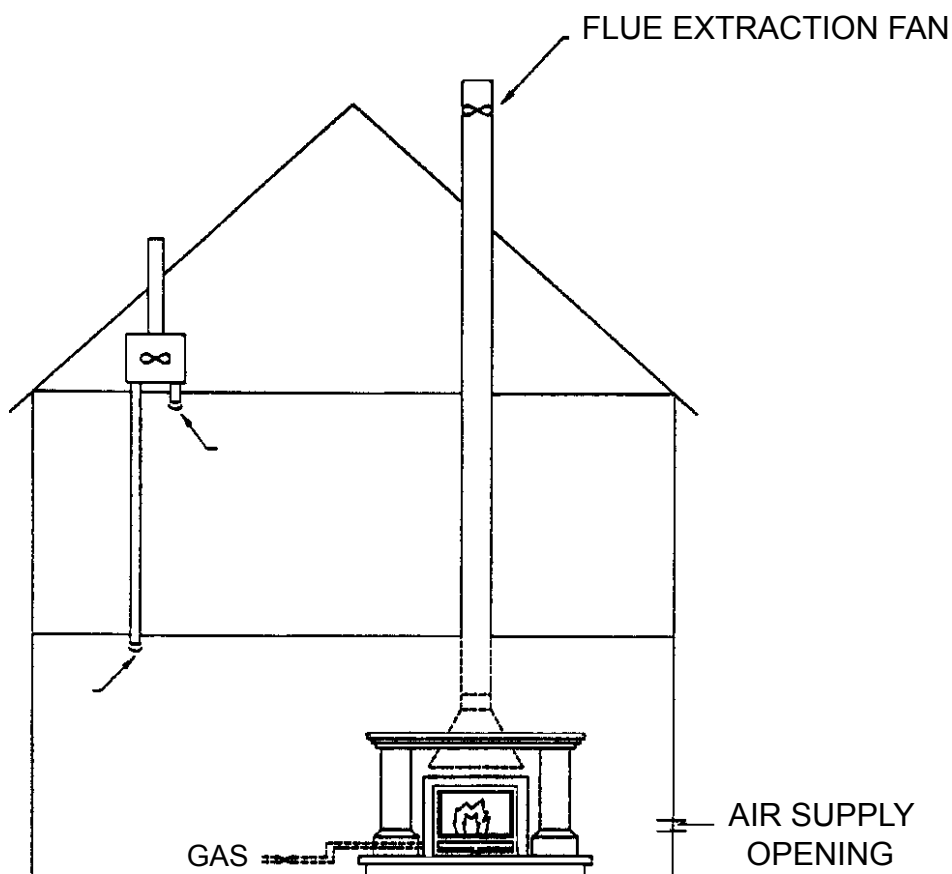


Figure 7: Mechanically ventilated house

2.4 GENERAL SERVICES

1. FLUE

Before installation, it must be verified that the flue has sufficient draw.

Remove all flue gas dampers (if present) in the flue or fix them in the open position.

The flue must be at least 2 metres long. In order to prevent condensation in a masonry flue and, if necessary, to improve correct operation of the appliance, it is recommended that the flue be fitted with an, (insulated) aluminium or (flexible) stainless steel pipe of Ø100 mm (minimum).

An protective cap must be placed on top of the chimney to prevent rain entering.

2. COMBUSTION AIR SUPPLY

The combustion air supply has to comply with national and local regulations. The minimum dimensions are detailed in “Technical Details / Regulations” at the rear of this manual. The air supply opening must be non-closable.

3. THERMOSTAT SENSOR

The appliance is equipped with a thermostat sensor which is normally fitted to the bottom plate. The thermostat function can be improved by positioning the sensor in the bottom left- or right hand side, or at the height of the plinth underneath the appliance. Ensure that the sensor remains easily accessible at all times for service and maintenance.

4. GAS CONNECTION

The Ø12 mm or Ø15 mm gas connection is located on the bottom or the rear side of the appliance. Connect the gas supply to the appliance using the compression coupling. Use only gas piping with a minimum diameter of 1/2" G with a shut-off valve.

5. ELECTRICAL CONNECTION

If the appliance is equipped with a convection fan, there must be a wall socket with earth connection, preferably at the right-hand side of the appliance. The socket should be accessible at all times.

2.5 POSITIONING THE APPLIANCE

Important :



- **Never use combustible materials during the installation.**
- **Insulate the gas fire using white loose insulation wool (heat resistant up to 1000°C). Not at the bottom !!**
- **Flammable materials, such as curtains, should not be placed in the vicinity of the gas fire.
Minimum safe distance: 100 cm.**
- **During installation of the gas fire, a clearance of 3 mm should be maintained on all sides of the appliance to allow for expansion of the appliance during operation.**
- **The opening underneath the operation hatch (2 cm) must remain completely free.**
- **Position the appliance at least 12 cm above the floor height.**

Read one of the following instructions for fitting the appliance, as applicable:

- | | |
|-----------------|---|
| Paragraph 2.5.1 | Fitting into a new chimney |
| Paragraph 2.5.2 | Fitting into an existing opening larger than the fire insert |
| Paragraph 2.5.3 | Fitting into an existing opening equal or smaller than the fire insert. |

2.5.1 Fitting into a new chimney

The fireplace must be mounted on a concrete floor. If there is no concrete floor, it is essential to re-enforce the floorboards underneath with concrete. Build in the fire insert up to the top of the fireplace opening. Push the appliance into the opening and make the chimney connection using an (insulated) aluminium or (flexible) stainless steel pipe of Ø100 mm.

Connect the gas supply using the separately provided gas inlet connector. Ensure that the gas regulating block is straight during the connection. Ensure that the gas regulating block and pipework are not put under stress.

Make the electrical connection to the fan.

(Only applicable if the appliance is provided with an convection fan.)

Position the thermostat sensor at the left-or right hand side underneath the frame, or at the height of the plinth.

See Paragraphe 2.5.3 for fitting the log set.

Check that all connections are completely gas tight using soapy water or a leak tester. As a check, allow the fire to burn briefly (maximum 1 minute). Following verification that there are no leaks, finish off building in the fire insert.

MASONRY REQUIRES APPROXIMATELY 4 WEEKS TO BECOME COMPLETELY DRY BEFORE NORMAL USE OF THE FIRE INSERT CAN BEGIN.

2.5.2 Fitting into an existing opening larger than the fire insert.

Place an (insulated) aluminium or (flexible) stainless steel pipe (Ø100 mm) into the flue for the connection between the flue spigot of the appliance and the chimney and then position the appliance into the fireplace. Push the aluminium or stainless steel pipe into the flue spigot of the appliance. For further installation procedures, refer to Paragraph 2.5.1.

2.5.3 Fitting into an existing opening equal to or smaller than the fire insert.

If the opening in the fireplace is too small for the appliance, it must be enlarged by an authorised company in accordance with the applicable building regulations.

Before fitting the fire insert, a number of preparations must be made. Firstly, the appliance must be completely dismantled, as follows (see also Figure 8, 9 or 10):

1. Open the operating hatch underneath the appliance by pulling it forwards.
2. Dismantling operating hatch(es):
The operating hatch can be taken out if the left hinge pin is pulled from the frame by means of pointed pliers, or unscrewing the left Phillips screw if there is one.
3. Dismantling the front, door and glass:
Dismantle the door (including the glass) by loosening the screws at the top, the side and at the bottom.
Dismantle the front by loosening all screws around the door opening.
Carefully remove the log set and embers.
Dismantle the cover plate at the front in the combustion chamber, by loosening the 8 bolts and by removing the cover plate.
Disconnect the (light blue) plug connectors of the security system wiring.
The complete "control unit" can now be slid out like a drawer.
9. Dismantling the inner shell:
Remove the back panel in the combustion chamber.
Dismantle the entire inner shell by slightly loosening the 4 nuts at the front.
Next, turn the adjustment bolt downwards at the left-and right hand side bottom which slightly lowers the inner shell compared to the outer casing.
The inner shell can be removed after loosening the 4 insert nuts.
The flue spigot can be removed by loosening the self-tapping screws from the inside of the outer casing.

The appliance is now fully dismantled.

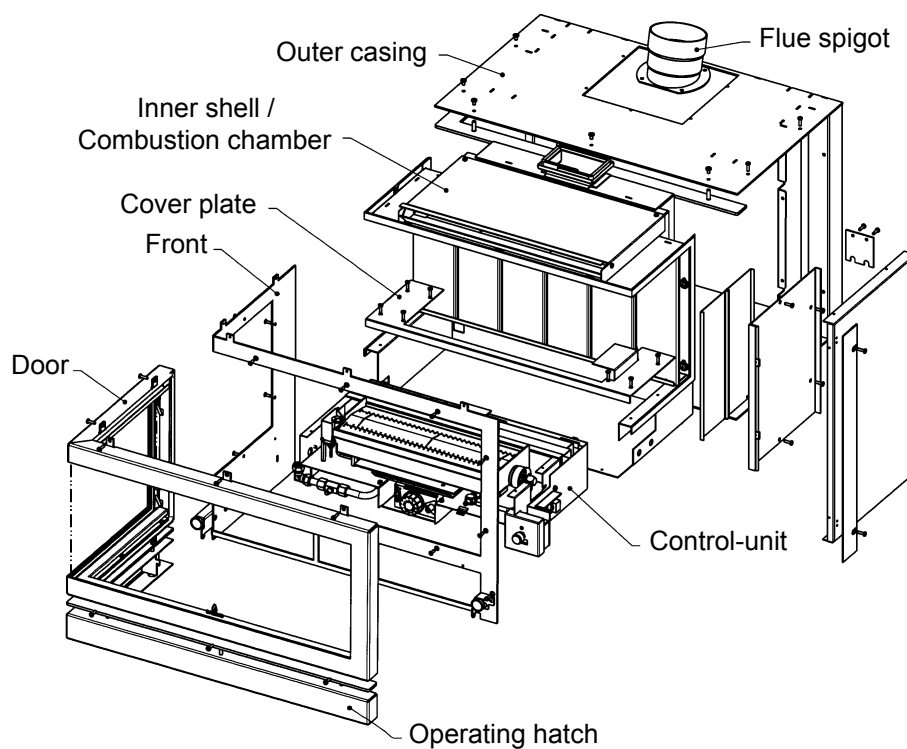


Figure 8: Unica 200 L

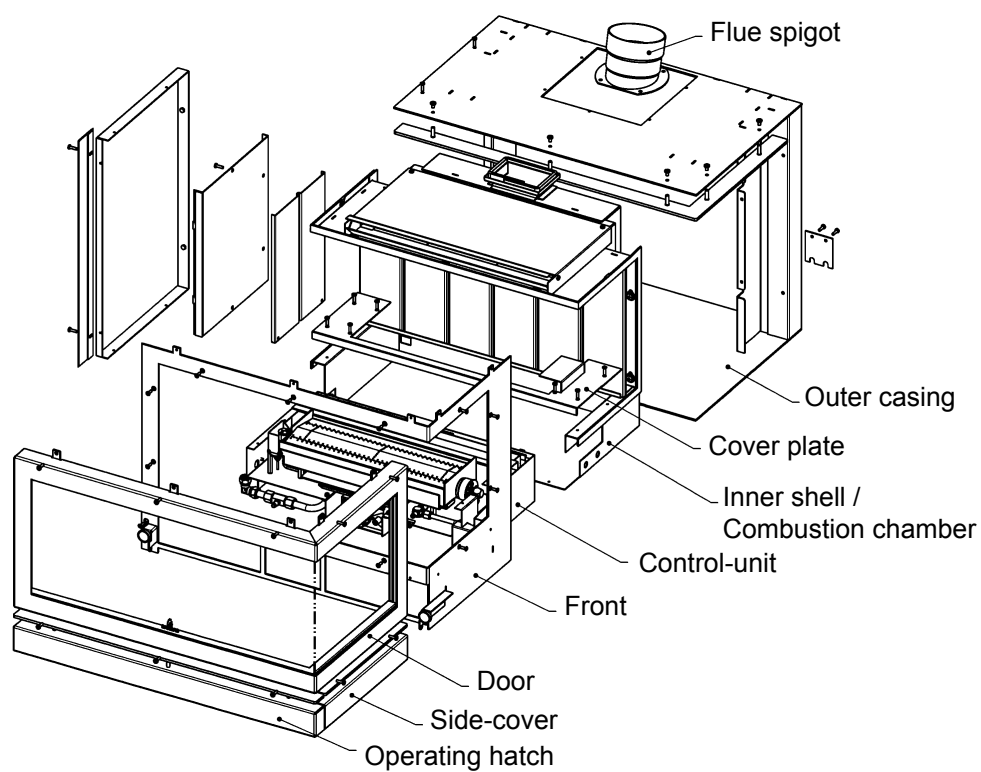


Figure 9: Unica 200 R

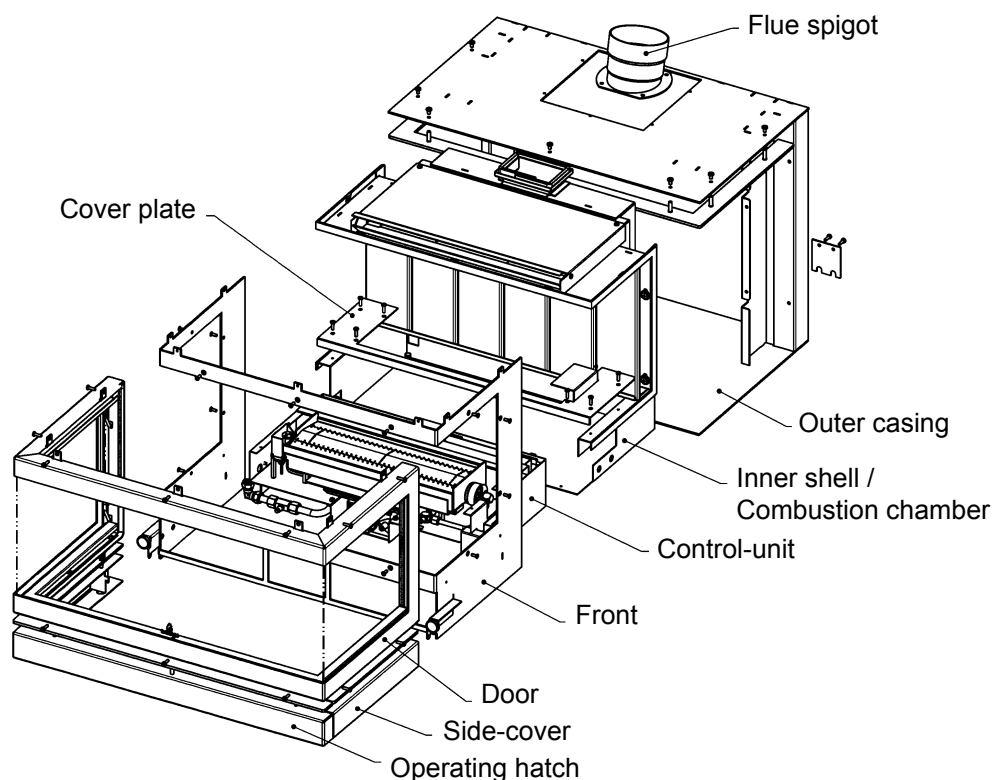


Figure 10: Unica 300

Installing the gas fire insert should be carried out in the following order:

1 FITTING THE OUTER CASING

Place the outer casing into the fireplace opening and position it horizontally and vertically level to the wall. The casing must also be level.

Check that the gas supply pipe has been fed through the opening provided at the rear or at the bottom side.

If necessary, loosen the electrical supply cable from the connector, and guide the cable through the special openings to the wall socket, on which, during installation, there must be no tension.

Slightly lower the (insulated) aluminium or (flexible) stainless steel pipe (Ø100 mm), which is made through the chimney, through the opening at the top of the outer casing. Attach the pipe to the flue spigot and push it back upwards again.

The flue spigot can now be fixed to the casing from the inside using self tapping screws.

2 FITTING THE INNER SHELL

Before assembly, check that the sealing cords of the flue spigot and glass are still intact. Position the complete inner shell in the casing.

Position the inner shell by, first of all, fitting loosely the 4 insert nuts, so that the inner shell is completely level against the front of the outer casing.

Next, adjust the inner shell by means of adjustment bolts which are located on the bottom left and right of the combustion chamber.

The flue spigot of the inner shell has to be tightly fitted against the top side of the outer casing.

Tighten all 4 insert nuts securely.

Place the back panel in the combustion chamber.

CHECK THAT THE SEALING CORD OF THE FLUE SPIGOT IS CORRECTLY CONNECTED !

3 FITTING THE “CONTROL UNIT”

First of all, make the electrical connection (when dismantled) on the connector on the right-hand side. (Only applicable if the appliance is provided with a convection fan.) While sliding the “control unit” underneath the inner shell, secure the (light blue) plug connectors of the security system. For this purpose, the wires need to be led outside, left along the inner shell, after which the plugs have to be pushed on the thermocouple interrupter near the gas regulating block. The “control unit” must be pushed into the inner shell as far as it will go. Fit the thermostat sensor by means of the clip to the bottom plate.

Use 8 bolts to secure the “control unit” together with the cover plate (at the front in the combustion chamber).

4 GAS AND ELECTRICAL CONNECTION

Use the supplied swivel to make the gas connection. Ensure that the gas regulating block stays straight during the connection. Ensure that the gas regulating block and pipework are not put under stress.

The mains electricity can now be restored to the wall socket.

(Only applicable if the appliance is provided with a convection fan.)

Check that all connections are completely gas tight using soapy water or a leak tester.

As a check, allow the fire to burn briefly (maximum 1 minute).

Following verification that there are no leaks, finish off building in the fire insert.

(See Chapter 1; Instructions for use.)

5 POSITIONING THE CERAMIC LOG SET

The appliance is delivered with a set of artificial wooden logs and embers (and vermiculite granules for the NATURAL GAS appliances only!).

Important :



- **Do not place any logs, embers or vermiculite granules against the pilot flame burner. Make sure that the pilot flame can burn freely over the main burner. Only in this way is proper ignition of the main burner ensured.**
- **The burner bed (with embers/vermiculite) and the positioning of the logs must not be changed.**

POSITIONING THE CERAMIC LOG SET:

NATURAL GAS APPLIANCE:

1. Distribute the vermiculite granules (**1**x 10 gram) evenly over the burner (not in front of the pilot light).
2. Carefully remove the embers (**2**x 125 gram) from the packaging and place them evenly on and around the burner.

Note ! Small embers and their residue should not be scattered on the burner. This can cause a blockage on the burner orifices.

3. Place the two rear logs behind the burner with the carbon side to the front.
4. Position the remaining logs. (See figure 11.)

PROPANE APPLIANCE:

The positioning of the log set is the same as that for the natural gas appliance described above. However with the log set, only one bag (**1**x 125 gram) of embers may be placed on and around the burner.

Vermiculite granules are **not** permitted and are therefore not supplied with appliances that use propane.



Figure 11: Log set UNICA 200 L/R / UNICA 300

6 FITTING THE FRONT, DOOR AND GLASS (WEAR PROTECTIVE GLOVES !!!)

First of all, check that the sealing cord on the front side of the combustion chamber is still intact. After that, screw the front on the combustion chamber.

After verification of the sealing cord in the door, the door can be screwed to the front.

7 FITTING THE OPERATING HATCH(ES)

Fit the operating hatch on the right-hand side of the opening.

Press the left hinge pin and position the hatch in the correct position or tighten the left Phillips screw if there is one.

Hook the left and/or the right side-cover in the front.

THE APPLIANCE IS NOW READY FOR USE.

2.6 CHECKING THE APPLIANCE AFTER INSTALLATION

After installation, the installer needs to visually check the gas flames.

The installer should also verify, by using the appliance for the first time, after 10 minutes of operation, that there is no flue leakage.

3 MAINTENANCE

3.1 ANNUAL MAINTENANCE

The appliance must be checked and cleaned annually by an authorised engineer. This also applies to the chimney.

The annual maintenance consists of the following points:

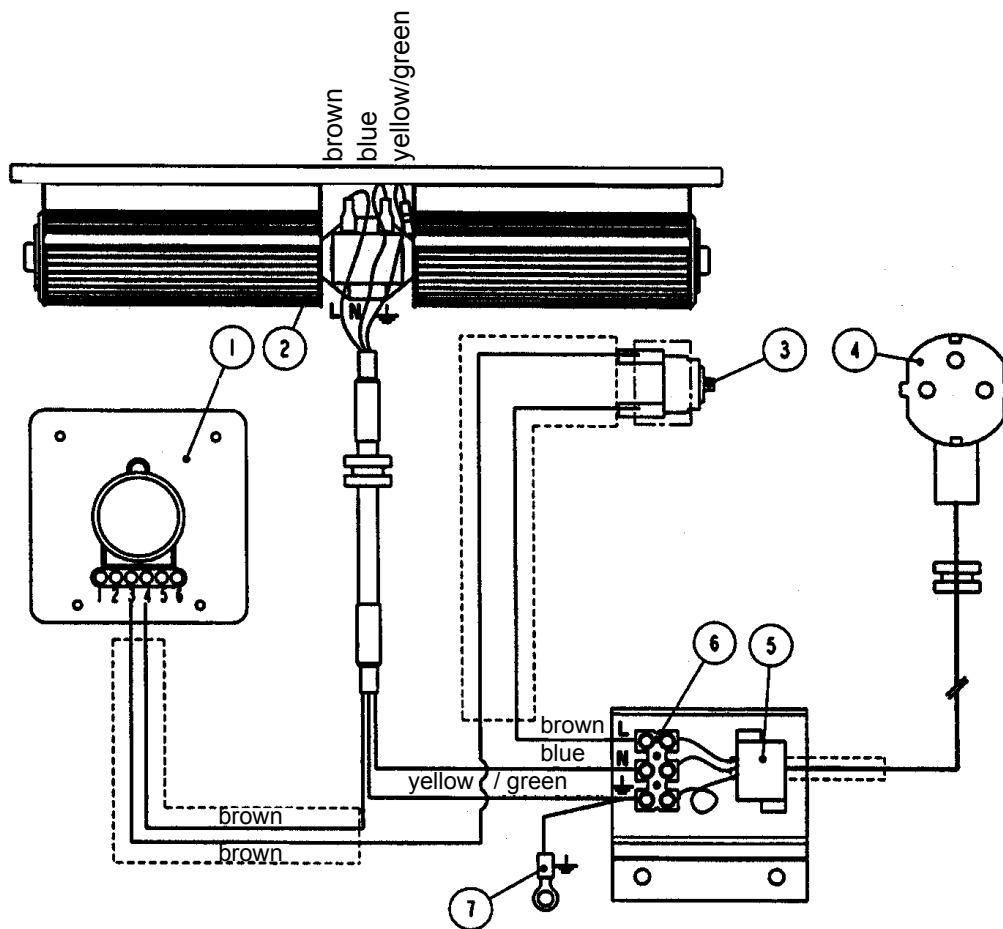
- Cleaning the main burner, pilot light and flue exhaust.
- Removing dust deposits using a vacuum cleaner.
- Checking for possible leakages at the gas connections and flue joints.
- Checking the correct operation of the gas regulating block, thermocouple circuit and ignition of the main burner.
- Checking the operation of the thermostatically controlled fan (if present).
- Checking the operation of the security system.

4 FAULTS

Possible causes for the gas fire going out are:

- Operation of the security system due to flue gas escape.
- Malfunction of the security system. Check by means of testing.
- Insufficient gas pressure.
- Pilot light is dirty.
- Thermocouple voltage too low. This is usually caused by insufficient heating at the tip of the thermocouple by the pilot light.
- Dirty electrical contacts in the thermo-electric system, wiring and connections of the security system.

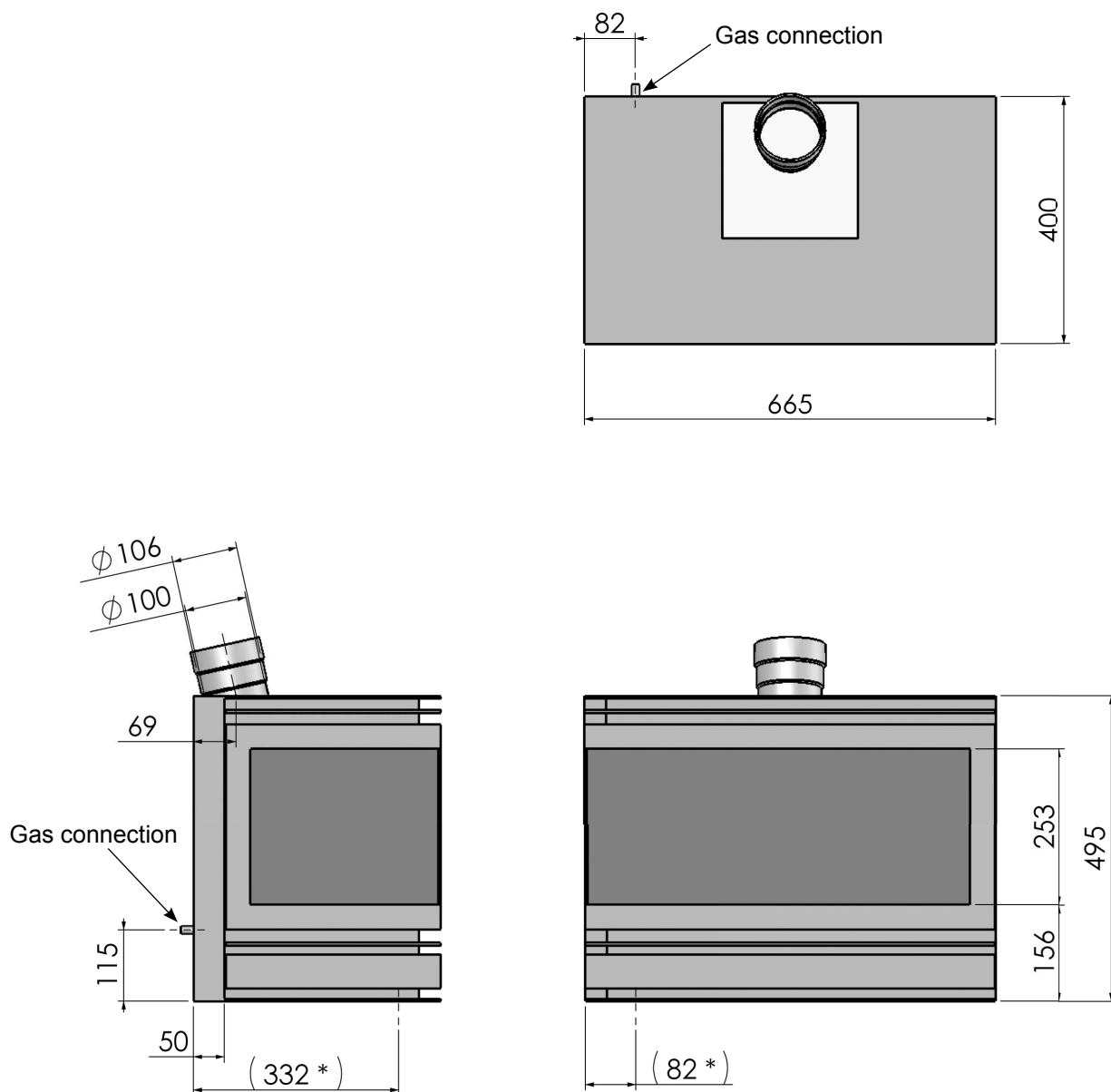
5 ELECTRICAL DIAGRAM



1	Fanspeed controller convection-fan 230 VAC / 50 Hz
2	Convection-fan 230 VAC / 50 Hz
3	Thermostat "Clickson" set at $\pm 40^{\circ}\text{C}$
4	Earthed plug (with earth sleeve) 230 VAC
5	Cable clamp
6	Connector
7	Earth connector

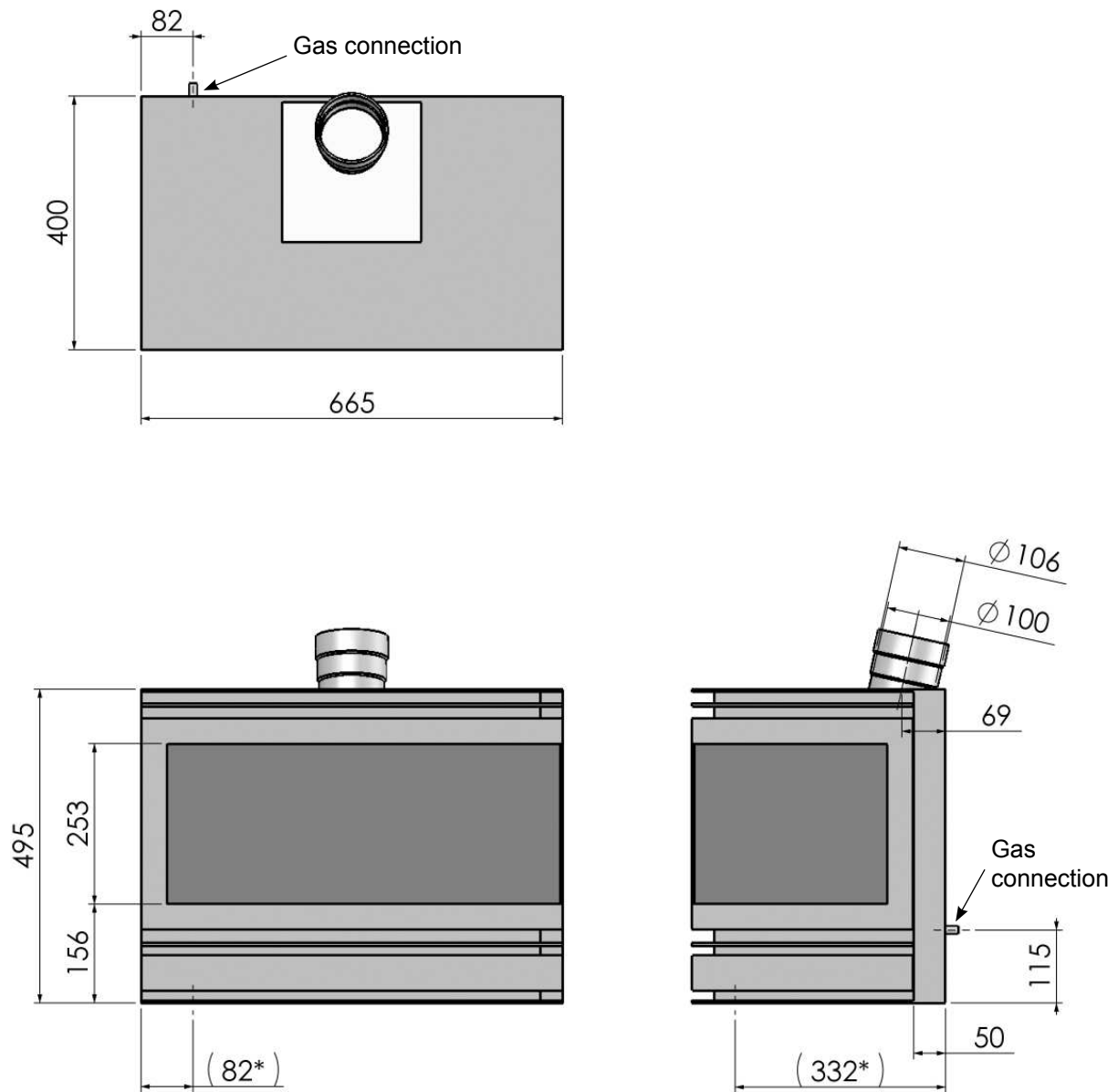
6 DIMENSIONS

6.1 UNICA 200 L



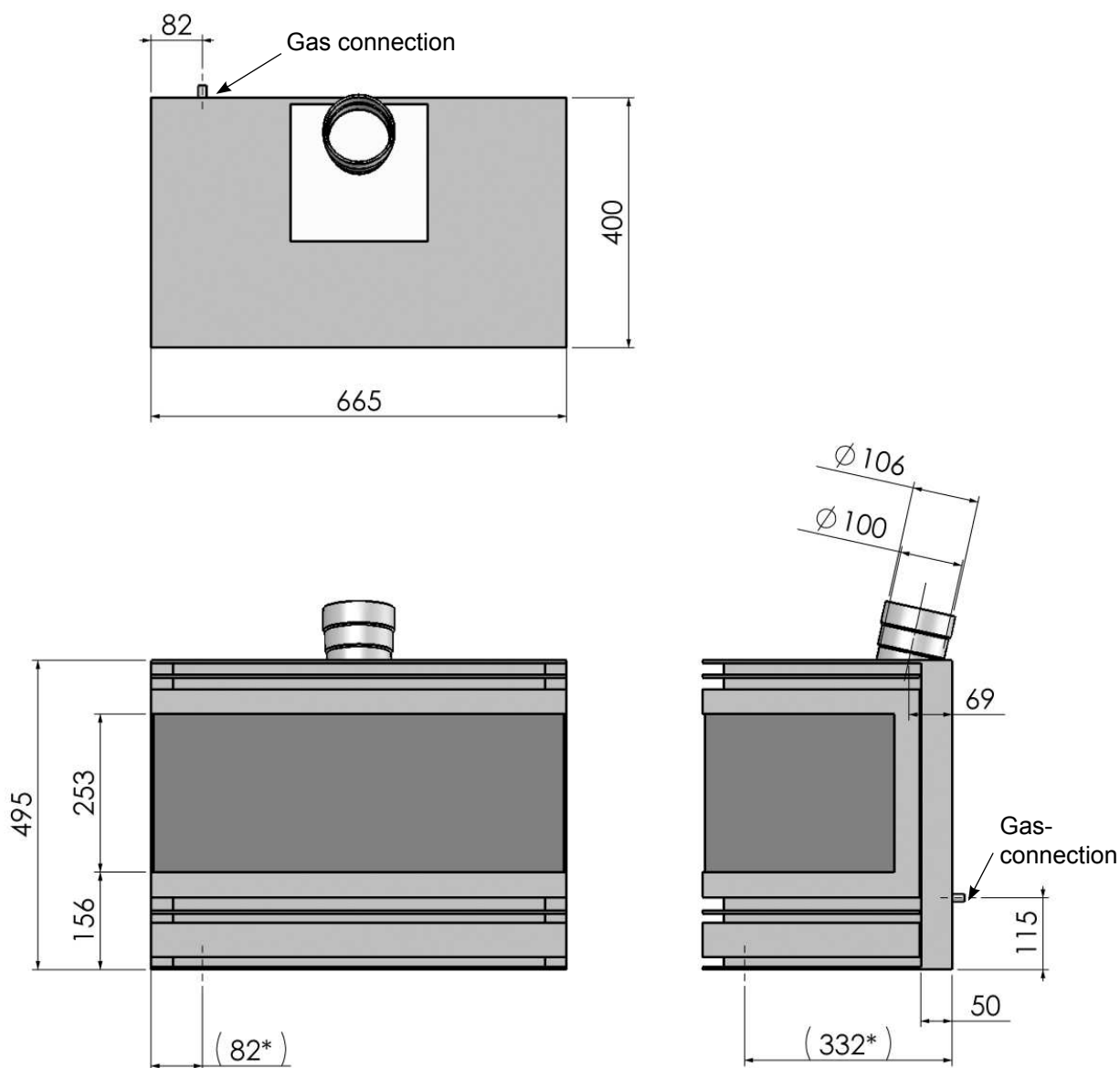
* = Gas connection possibility
bottom of the appliance !!

6.2 UNICA 200 R



* = Gas connection possibility
bottom of the appliance !!

6.3 UNICA 300



* = Gas connection possibility
bottom of the appliance !!

7 TECHNICAL DETAILS / REGULATIONS

7.1 TECHNICAL DETAILS;

NG; NATURAL GAS - GREAT BRITAIN / IRELAND
 NI; NATURAL GAS - ITALIA
 NE; NATURAL GAS - ESPAÑA
 NP; NATURAL GAS - PORTUGAL

PG; PROPANE GAS - GREAT BRITAIN / IRELAND
 PI; PROPANE GAS - ITALIA
 PE; PROPANE GAS - ESPAÑA
 PP; PROPANE GAS - PORTUGAL

National installation regulations:

- UK :**
- Gas safety installation and use regulations 1998 plus all relevant safety and building regulations concerning fire installation
 - Document J: Combustion appliances and fuel storage systems

Model: - Hand control	: UNICA 200 L/R NG/NI/NE/NP	: UNICA 200 L/R PG/PI/PE/PP
	UNICA 300 NG/NI/NE/NP	UNICA 300 PG/PI/PE/PP
- Remote control	: UNICA 200 L/R-400 NG/NI/NE/NP	: UNICA 200 L/R-400 PG/PI/PE/PP
	UNICA 300-400 NG/NI/NE/NP	UNICA 300-400 PG/PI/PE/PP

Country	: GB; Great Britain / IE; Ireland / IT; Italia / ES; España / PT; Portugal	
Product identification no	: 0063 AU 3899	: 0063 AU 3899
Type of appliance under CE-norm	: B _{11BS}	: B _{11BS}
Category of appliance	: I _{2H} , natural gas G20	: I _{3P} , propane G31
Nominal heat input (Gross calorific value)	: 8.0 kW	: 8.0 kW
Nominal heat output (max.)	: 5.2 - 6.0 kW	: 5.5 - 6.0 kW
Efficiency class	: 2 (80%)	: 2 (80%)
NOx class	: 1	: 1
Gas rate (max.)	: 0.74 m ³ /hr.	: 500 gr/hr.
Supply pressure	: 20.0 mbar	: 37.0 mbar
Burner pressure (max.) Hot	: 10.0 mbar(*)	: 29.0 mbar
Burner pressure (max.) Cold	: 9.0 mbar(**)	: 29.0 mbar
Burner pressure (min.)	: 2.0 mbar	: 7.5 mbar
Gas regulator block (hand control)	: SIT 0.630.704	: SIT 0.630.704
Min. heating input adj. screw:		
- Thermostatic burner	: no 160 (= Ø1.60 mm)	: no 130 (= Ø1.30 mm)
- Manual burner	: standard	: standard
Gas regulator block -400 (remote control)	: Mertik GV 34	: Mertik GV 34
Main burner	: 360 x 122 mm (2 row)	: 360 x 122 mm (2 row)
Primary air inlet main burner	: 4x Ø8.5 mm	: 8x Ø8.5 mm
Main burner orifice	: no 105 (= 7x Ø1.05 mm)	: no 150 (= 1x Ø1.50 mm)
Pilot burner	: SIT 0.160.022	: SIT 0.160.022
Pilot burner orifice	: nr. 41	: no 30
Security system (T.T.B.)	: Thermodisc type: 44T21-316190 -140°C	: Thermodisc type: 44T21-316190 -140°C
Gas connection	: 3/8" G / Ø12 - Ø15 mm	: 3/8" G / Ø12 - Ø15 mm
Necessary air supply	: 150 cm ²	: 150 cm ²
Chimney connection	: Ø100 mm - Ø106 mm	: Ø100 mm - Ø106 mm
Batteries remote control		
- Receiver	: 4x 1.5V AA	: 4x 1.5V AA
- Hand-transmitter	: 1x 9V block	: 1x 9V block
Electrical supply (***)	: 230 VAC / 50 Hz	: 230 VAC / 50 Hz
Electricity consumption (***)	: 40 W / IP 20	: 40 W / IP 20

(*) : When the appliance has reached its thermal equilibrium.

(**) : Burner at maximum. Appliance is cold.

(***) : When the appliance is equipped with a convection fan.

Temperature changes at surface: Entire front of the appliance, except the control panel.

8 REPLACEMENT PARTS LIST

When requesting service or ordering replacement parts, please quote the model type and serial number. All parts listed in this manual may be ordered from a Bellfires dealer.

8.1 UNICA 200 L+R / UNICA 300

No	Part no	Description	Standard (hand control)	400 (remote control)
1	302056	Gas regulator block, EuroSIT Plus 0.630.704	X	
2	301965	Piëzo push-button	X	
3	302037	Minimal heatinput adj. screw 1.6 mm; <u>natural gas</u>	X	
4	301967	Minimal heatinput adj. screw 1.3 mm; <u>propane</u>	X	
5	301969	Nut + olive; Ø4 mm	X	
6	302408	Gas regulator block, Mertik GV 34		X
7	302409	Hand-held transmitter (remote control)		X
8	302410	Receiver with cable		X
9	302411	Cable		X
10	305698	Main burner <u>natural gas</u> G20/G25 4xØ8,5	X	X
11	305699	Main burner <u>propane</u> G31 8xØ8,5	X	X
12	319743	Main burner injector <u>natural gas</u> ; no 105	X	X
13	320545	Main burner injector <u>propane</u> ; no 150	X	X
14	302059	Pilot light set outer casing; SIT 0.160.022	X	X
15	301207	Pilot light pipe; Ø4 mm; L = 340 mm	X	X
16	301976	Pilot light olive; Ø4 mm	X	X
17	301977	Pilot light nut; Ø4 mm	X	X
18	302070	Pilot light electrode + cable; L = 500 mm	X	X
19	302060	Pilot light injector, <u>natural gas</u> ; no 41	X	X
20	301921	Pilot light injector, <u>propane</u> ; no 30	X	X
21	302053	Thermocouple M10 - 600 mm - th.c.i.	X	X
22	301896	Security system T.T.B. 140°C	X	X
23	319529	Glass Unica 300, Middle, 652 x 286 x 4 mm	X	X
24	319530	Glass Unica 200-300, L/R, 317 x 286 x 4 mm	X	X
25	319531	Glass Unica 200 L/R, 634 x 286 x 4 mm	X	X

No	Part no	Description	Standard (hand control)	400 (remote control)
26	302155	Convection fan 230 VAC / 50 Hz.	X	X
27	302170	Fanspeed controller 230 VAC / 50 Hz.	X	X
28	302154	Clickson	X	X
29	301617	Black fibre glass cord Ø10 mm; L= 1620 mm	X	X
30	301595	Fibre glass tape 20 x 6 mm; L= 360 mm	X	X
31	301593	Black fibre glass tape 15 x 3 mm; adhesive	X	X
32	301612	Black fibre glass tape 8 x 3 mm	X	X
33	301669	Tube ceramic glue	X	X
34	312964	Log set Unica 200 and 300; 6 parts, <u>natural gas</u> + <u>propane</u>	X	X
35	301863	Embers (± 125 gram), <u>natural gas</u> , 2x125 gram <u>propane</u> , 1x125 gram	X X	X X
36	301839	Vermiculite granules (± 10 gram), <u>natural gas</u>	X	X



Your Bellfires dealer