

**bellfires.** gas fires

**INSTALLATION INSTRUCTIONS &  
MANUAL FOR MAINTENANCE**

**CLASSIC BELL MEDIUM 3 PF**

Gas fire with closed 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 installation and maintenance  
of the gas fire and keep it in a safe place!



Serial number:

Production date:



**BELLFIRES GAS FIRE WITH CLOSED COMBUSTION SYSTEM:**

Classic Bell Medium 3 PF (Premium Fire) (CLBM3 PF)



# CONTENTS

	Page
1. INSTALLATION INSTRUCTIONS .....	7
2. MAINTENANCE .....	58
3. FAULTS .....	60
4. DISMANTLING / ASSEMBLING OF THE GLASS, THE REGULATOR AND BURNER .....	61
5. CONNECTING DIAGRAM .....	79
6. DIMENSIONS .....	80
7. TECHNICAL DETAILS/REGULATIONS .....	82
8. REPLACEMENT PARTS LIST .....	84
9. DISPOSAL OF PACKAGING AND APPLIANCE .....	87

## IMPORTANT



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



## 1 INSTALLATION INSTRUCTIONS

### 1.1 GENERAL

The gas fire must be positioned and connected as a “room sealed system” (balance flue) 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.

**Important:**  **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.**

The appliance is factory set to the correct nominal heat input. The pilot light is set to the correct level of consumption.

Depending on the version requested, the appliance is delivered from the factory with a Ø100 mm - Ø150 mm or Ø130 mm - Ø200 mm concentric connection for the removal of the smoke gases and the supply of combustion air.

It is possible to install the gas fire with either a wall or roof outlet.

The roof connection must be carried out using the concentric flue system Ø100 mm - Ø150 mm. The fumes are exhausted naturally to the outside environment through the inner Ø100 mm pipe whereas the combustion air supply passes between the Ø100 mm and Ø150 mm pipes.

The wall connection must be carried out using the concentric flue system Ø130 mm - Ø200 mm. The flue gases are evacuated outside by means of natural draft through the internal pipe of Ø130 mm, whereas the combustion air is supplied between the pipes of Ø130 mm and Ø200 mm. The wall outlet itself is Ø100 mm - Ø150 mm.

The gas fire can be installed in a completely sealed or mechanically ventilated house without extra ventilation and/or fume extraction.

The gas fire can be installed as an **insertion** into an existing open fire place or as a **built-in** appliance in a new fire place.

**In order to prevent the fireplace heating up excessively, it must be properly ventilated** by installing vents at the top and bottom of the fireplace.

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.

## 1.2 CONCENTRIC FLUE SYSTEMS Ø100 MM - Ø150 MM AND

- Ø130 MM - Ø200 MM:
- Bellfires - Muelink & Grol System
  - Poujoulat - PGI Ssystem
  - Ontop - Metaloterm US System
  - Jeremias/STB - H-Twin System (STB = Chimney-Technics Brummen NL)
  - Jeremias - TWIN-GAS System

The gas fire, in combination with the concentric flue system [Ø100 mm - Ø150 mm] and/or [Ø130 mm - Ø200 mm] (rigid and/or flexible) for the brand types mentioned above, has been approved in accordance with the European CE-norm for gas appliances and may therefore be used only with these systems.

The permitted components for these systems are listed in instructions enclosed: CONCENTRIC COMPONENTS SUITABLE FOR THE INSTALLATION OF A BELLFIRES GAS FIRE WITH CLOSED COMBUSTION. The guarantee on the appliance lapses if it is installed, fully or partially, with other components or a different flue system.

The concentric flue [Ø100 mm - Ø150 mm] and [Ø130 mm - Ø200 mm] systems can be used with either a newly-built or existing chimney.

## 1.3 INCLUDED

Set documentation	<ul style="list-style-type: none"> <li>- Installation instructions &amp; Manual for maintenance</li> <li>- Instructions for Concentric Components</li> <li>- Instructions for use &amp; Manual daily maintenance</li> </ul>
Attributes	<ul style="list-style-type: none"> <li>- Ceramic log set</li> <li>- Fire glass "Black"</li> <li>- Fire glass "Dark Amber"</li> <li>- Embers</li> <li>- Decorative ash</li> </ul>

N.B. If any part is missing, please contact your dealer.

## 1.4 OPTIONS AND ACCESSORIES

The following options and accessories can be supplied by your dealer:

<u>Part no</u>	<u>Option</u>
342632 342633 324892	<u>Convection package Classic Bell Medium 3</u> <ul style="list-style-type: none"> <li>• 1x Convection top plate</li> <li>• 1x Convection rear plate</li> <li>• 1x Convection set General</li> </ul>
329708	Set high adjustable feet (4 pieces)

<u>Part no</u>	<u>Accessorie</u>
324892 302188 310178 309872 304040	<u>Convection set General:</u> (for convection air extraction) <ul style="list-style-type: none"> <li>• 2x Flexible aluminium pipe Ø125 mm, L= 3 m (max.)</li> <li>• 2x Fitting box 135 x 135 mm</li> <li>• 2x Convection exit grid, white, 145 x 145 mm</li> <li>• 4x Hose clamp Ø125 mm</li> </ul>
329874	Set carrying brackets (2 pieces)
3.....	Bellfires (M&G) concentric flue system See the Instructions for Concentric Component
3.....	Poujoulat (PGI) concentric flue system See the Instructions for Concentric Component
3.....	Ontop (Metaloterm US) concentric flue system See the Instructions for Concentric Component
3.....	Jeremias (H-TWIN) concentric flue system See the Instructions for Concentric Component
3.....	Jeremias (TWIN-GAS) concentric flue system See the Instructions for Concentric Component

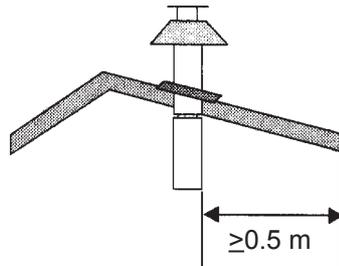
## 1.5 PREPARATION FOR INSTALLATION

The following preparation must be carried out before the gas fire can be installed.

### 1.5.1 Instructions for positioning the outlet

#### 1.5.1.1 Positioning the outlet for correct operation:

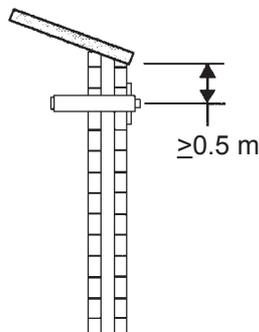
Roof-mounted outlet:



**Figure 1: Roof-mounted outlet**

This must be positioned at least 0.5 m from the roof edge; the apex of the roof can be disregarded.

Wall-mounted outlet:



**Figure 2: Wall-mounted outlet**

This must be positioned at least 0.5 m from:

- the corner of the building.
- the roof overhang, the rain gutter.
- balconies etc., unless the exhaust construction extends to at least the face of the protruding section.

### 1.5.1.2. Positioning the outlet to avoid affecting the surrounding area



All listed “distances” in this section are no more than guidelines.

For the exact minimum “distances”, please consult your national and local directives.

“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.

#### **Roof-mounted outlet:**

<u>To avoid adverse effects</u>	<u>Distance: outlet - A, B or C</u>
At the same roof level.	>3 m (*)
At a different roof level.	>1 m (*)
At a lower positioned wall.	>1 m
At a higher sloping surface.	>3 m (**)

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

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

**Wall-mounted outlet:**

<u>To avoid adverse effects</u>	<u>Distance: outlet - A, B or C</u>
At walls in buildings with staggered heights.	Not permitted if A, B, or C are located above the outlet.
On a wall - general. (*)	Above the outlet: >2 m Below the outlet: >0.75 m Left and right of the outlet: >0.75 m
At <1 m from the roof overhang.	>2 m
Beneath balconies, walkways etc.	>2 m from the underside of the protruding balcony or walkway.
Beneath balconies, walkways etc. where the outlet extends to the front.	>2 m
To the garden or on the terrace.	>2 m to the outside space. (**)
With respect to a facing wall.	>2 m (if the distance from the facing wall is less, the criteria detailed for "On a wall - general" apply).
Enquire at your local gas company for the regulations relating to outlets positioned opposite each other and outlet(s) in facade(s) that form an angle.	

(\*) These minimum distances do not apply if there is an obstruction between the outlet and A, B and C that protrudes at least 0.5 m from the wall and has a length exceeding the distance.

(\*\*) This distance is not required if the outlet is situated at least 1 m higher than the intended area of the outside space.

If the outlet has a clearance of less than 0.5 m from the hard surface of a public area at a height of less than 2 m, it must be fitted with an effective protector. The mesh size of the guard must not affect the correct operation of the appliance.

## 1.6 GENERAL SERVICES

### 1.6.1 The Fume Channel/Combustion Air Intake

The combined fume channel and combustion air intake requires one of the following concentric flue system configurations.

**Important:**

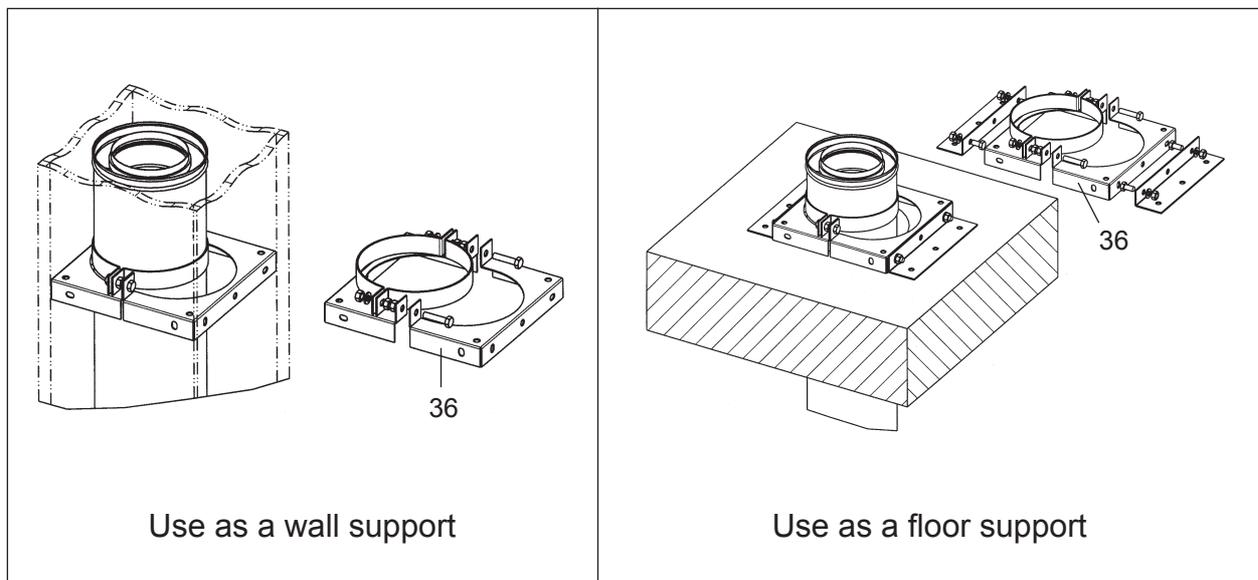


**Due to the high temperature of the outer walls (approx. 150°C), no flammable materials may be located or used in the vicinity of the flue system. The complete flue system, must therefore be sleeved with a heat resistant material after assembly.**

**Ventilate the covered concentric flue by fitting a grid near the floor and ceiling (on each floor).**

**Do not insulate the concentric flue.**

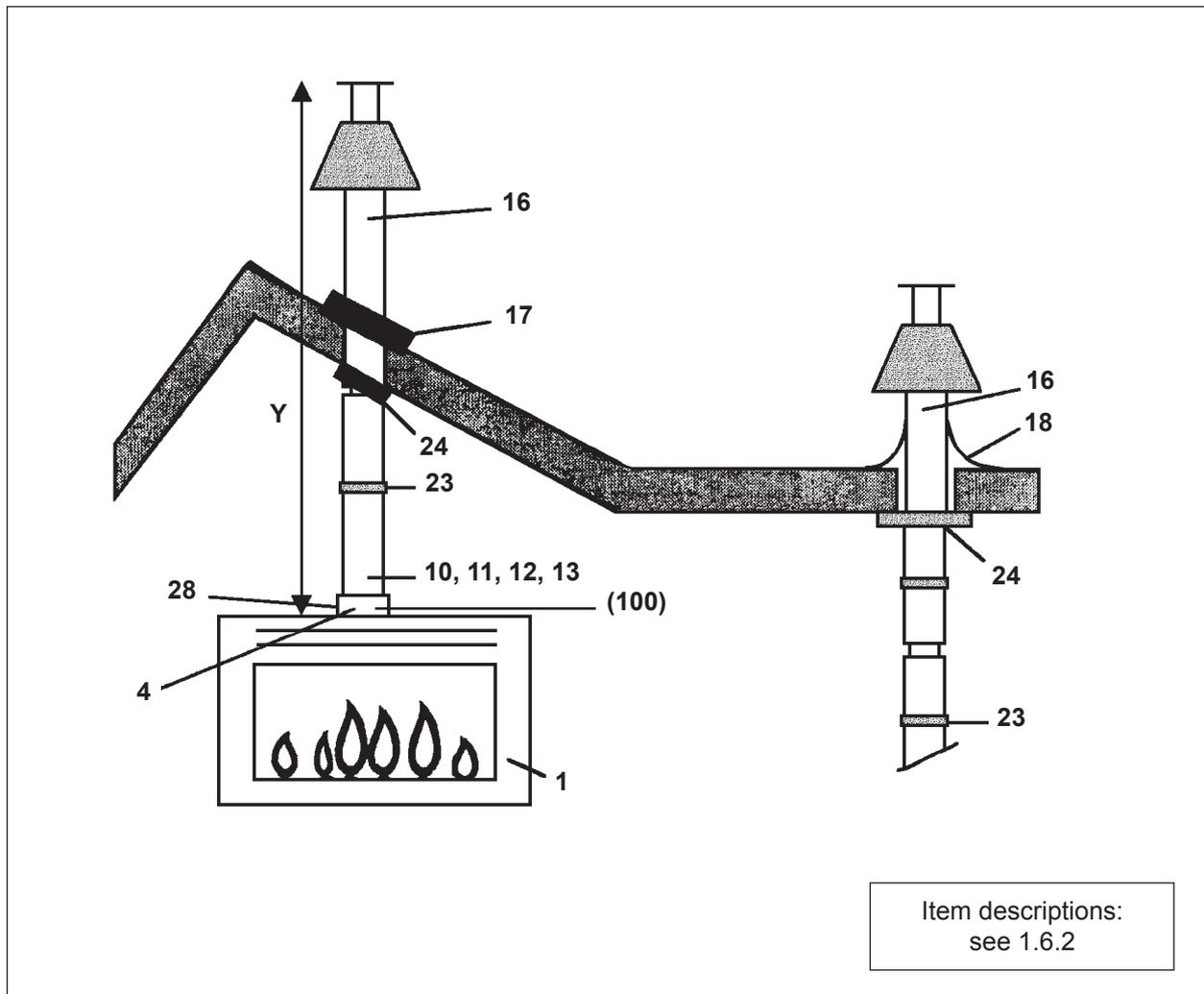
**Use the universal wall/floor support Ø150 mm to attach the covering of the concentric flue system [Ø100 mm - Ø150 mm], see 1.6.2, drawing number 36.**



**Figure 3: Application universal wall/floor support Ø150 mm**

**RIGID CONCENTRIC FLUE Ø100 mm - Ø150 mm SYSTEM CONNECTION POSSIBILITIES**

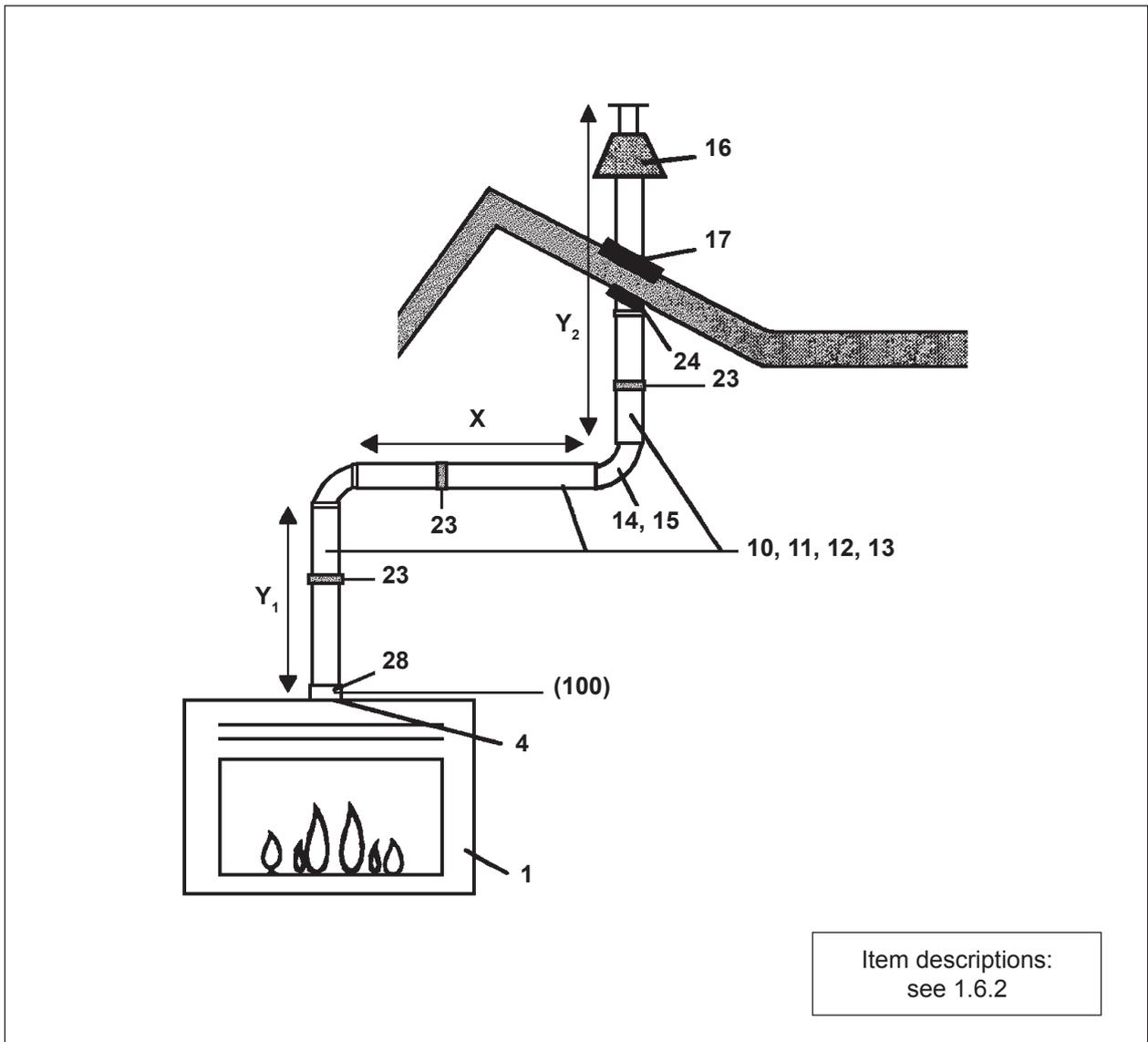
**Appliance: Concentric flue connection Ø100-Ø150 mm or Ø130-Ø200 mm**



Appliance:	Distance Y (min.-max.)	Assemble restriction plate:	
		Concentric connection on appliance is Ø100-Ø150 mm	Concentric connection on appliance is Ø130-Ø200 mm
Classic Bell Medium 3	2.0 - 4.0 m	Width: B = 30 mm	Width: B = 65 mm
	4.0 - 12.0 m	Width: B = 40 mm	Width: B = 80 mm

**Figure 4: Vertical roof-mounted outlet without bend**

ALL SIZES INCLUDE THE LENGTH OF THE ROOF OR WALL TERMINATION



Appliance:	Distance Y <sub>1</sub> (*) (min.-max.)	Distance X (*) (min.-max.)	Distance Y <sub>1</sub> + Y <sub>2</sub> (*) (min.-max.)	Assemble restriction plate:	
				Concentric connection on appliance is Ø100-Ø150 mm	Concentric connection on appliance is Ø130-Ø200 mm
Classic Bell Medium 3	1.0 - 11.0 m	0 - 3.0 m	1.0 - 11.0 m	-	Width: B = 40 mm

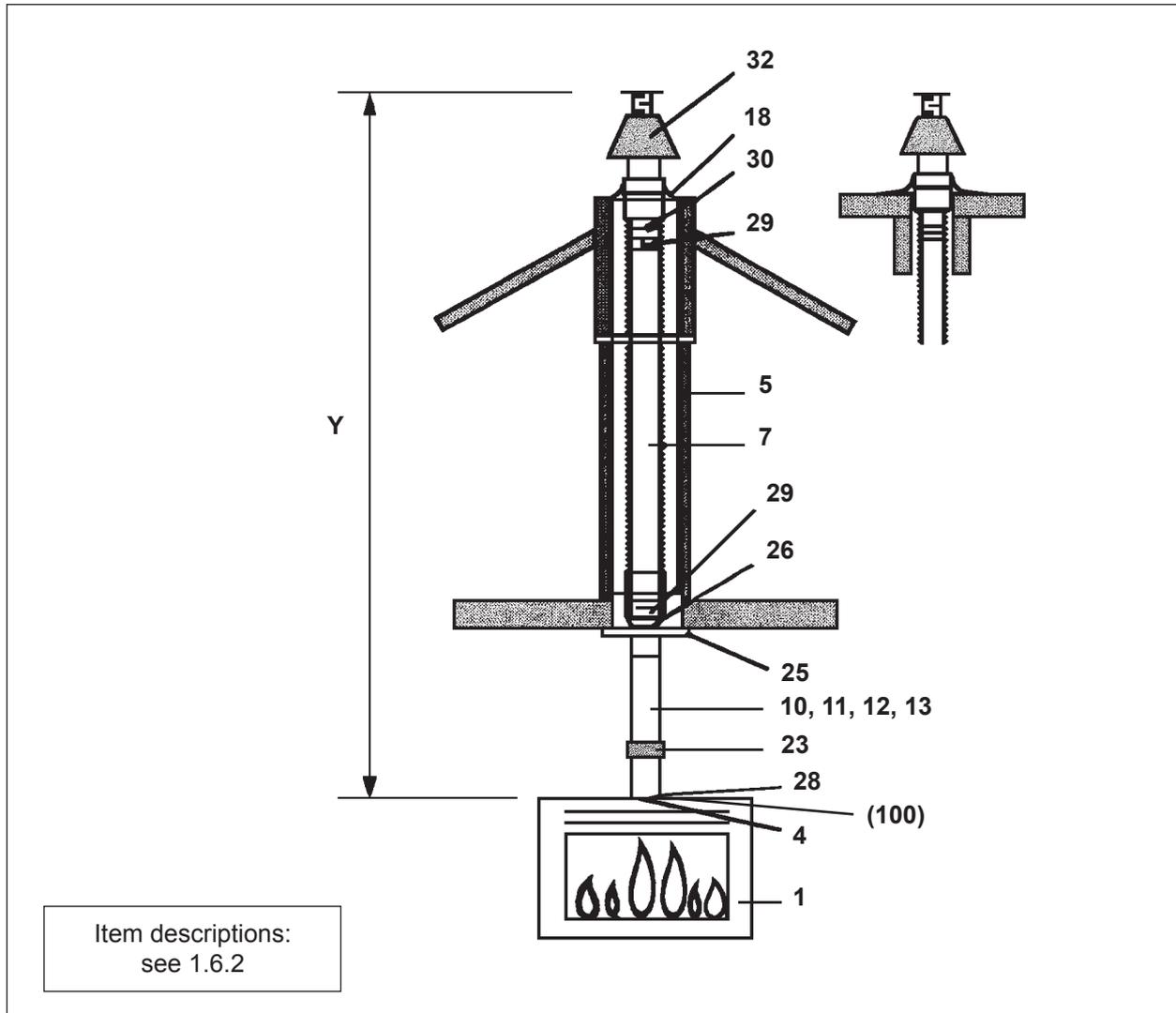
(\*) : (Y<sub>1</sub> + Y<sub>2</sub>) : X ≥ 2 : 1  
 (Vertical to horizontal ratio (or 45° upwards) is always at least 2 to 1)

**Figure 5: Vertical roof-mounted outlet with bend**

ALL SIZES INCLUDE THE LENGTH OF THE ROOF OR WALL TERMINATION

**FLEXIBLE CONCENTRIC FLUE Ø100 mm - Ø150 mm SYSTEM CONNECTION POSSIBILITIES**

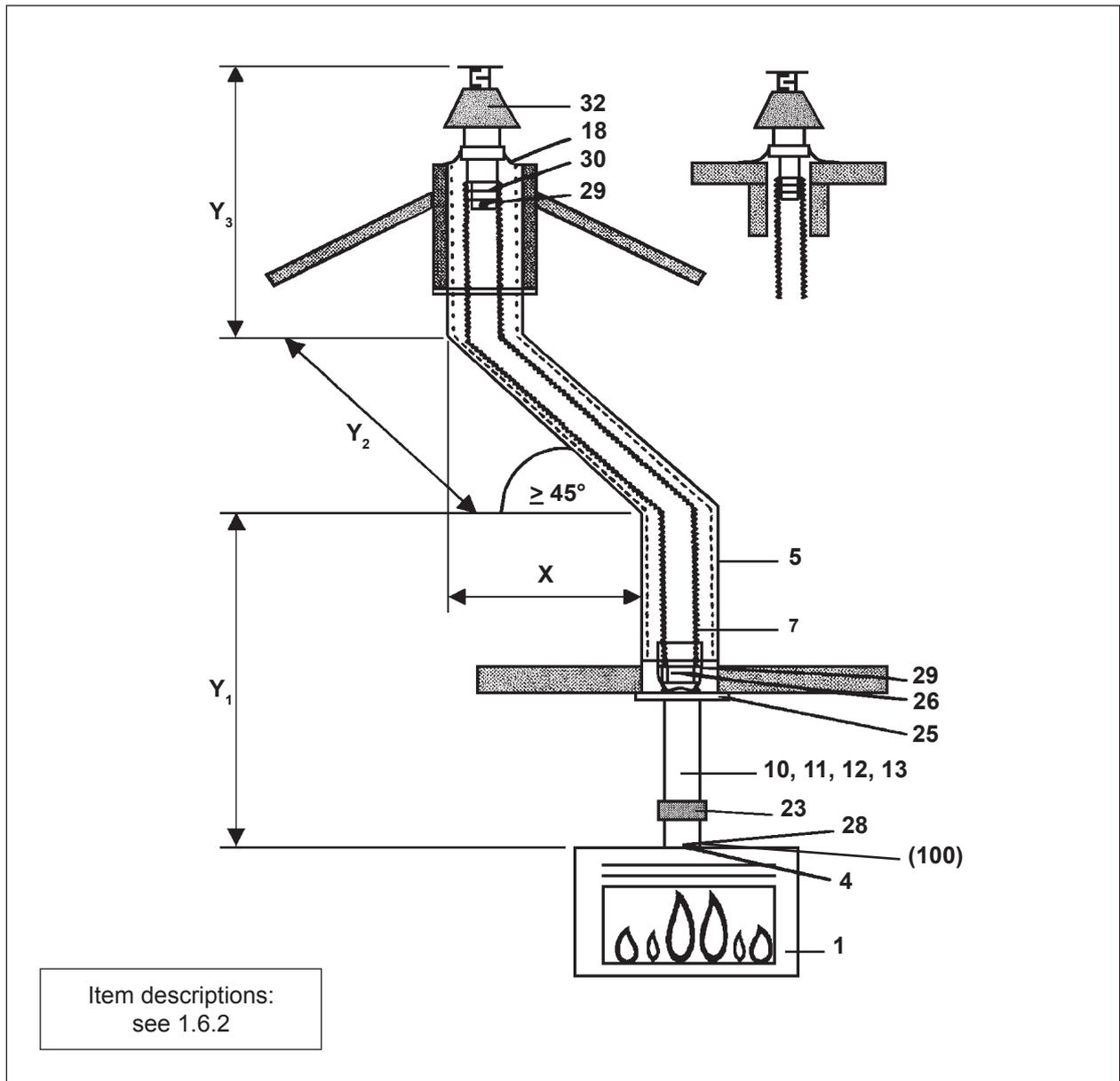
**Appliance: Concentric flue connection Ø100-Ø150 mm or Ø130-Ø200 mm**



Appliance:	Distance Y (min.-max.)	Assemble restriction plate:	
		Concentric connection on appliance is Ø100-Ø150 mm	Concentric connection on appliance is Ø130-Ø200 mm
Classic Bell Medium 3	2.0 - 4.0 m	Width: B = 30 mm	Width: B = 65 mm
	4.0 - 12.0 m	Width: B = 40 mm	Width: B = 80 mm

**Figure 6: Vertical chimney outlet using an existing lined chimney**  
(Flexible Ø100 mm and/or rigid Ø100 mm / Ø150 mm)

ALL SIZES INCLUDE THE LENGTH OF THE ROOF OR WALL TERMINATION



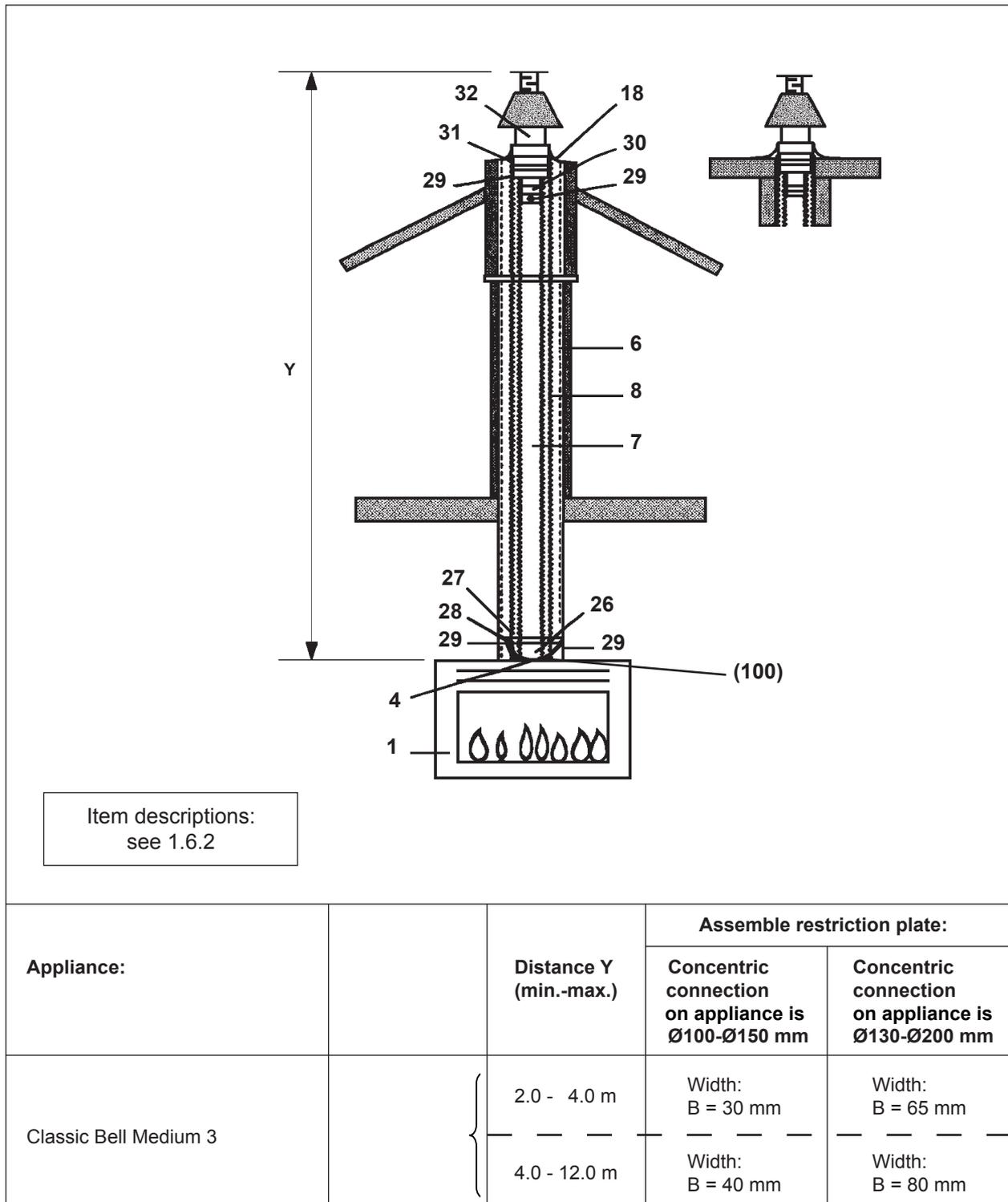
Item descriptions:  
see 1.6.2

Appliance:	Distance Y <sub>1</sub> (*) (min.-max.)	Distance X (*) (min.-max.)	Distance Y <sub>1</sub> + Y <sub>2</sub> + Y <sub>3</sub> (*) (min.-max.)	Assemble restriction plate:	
				Concentric connection on appliance is Ø100-Ø150 mm	Concentric connection on appliance is Ø130-Ø200 mm
Classic Bell Medium 3	1.0 - 11.0 m	0 - 3.0 m	1.0 - 11.0 m	-	Width: B = 40 mm

(\*) : (Y<sub>1</sub> + Y<sub>2</sub> + Y<sub>3</sub>) : X ≥ 2 : 1  
(Vertical to horizontal ratio (or 45° upwards) is always at least 2 to 1)

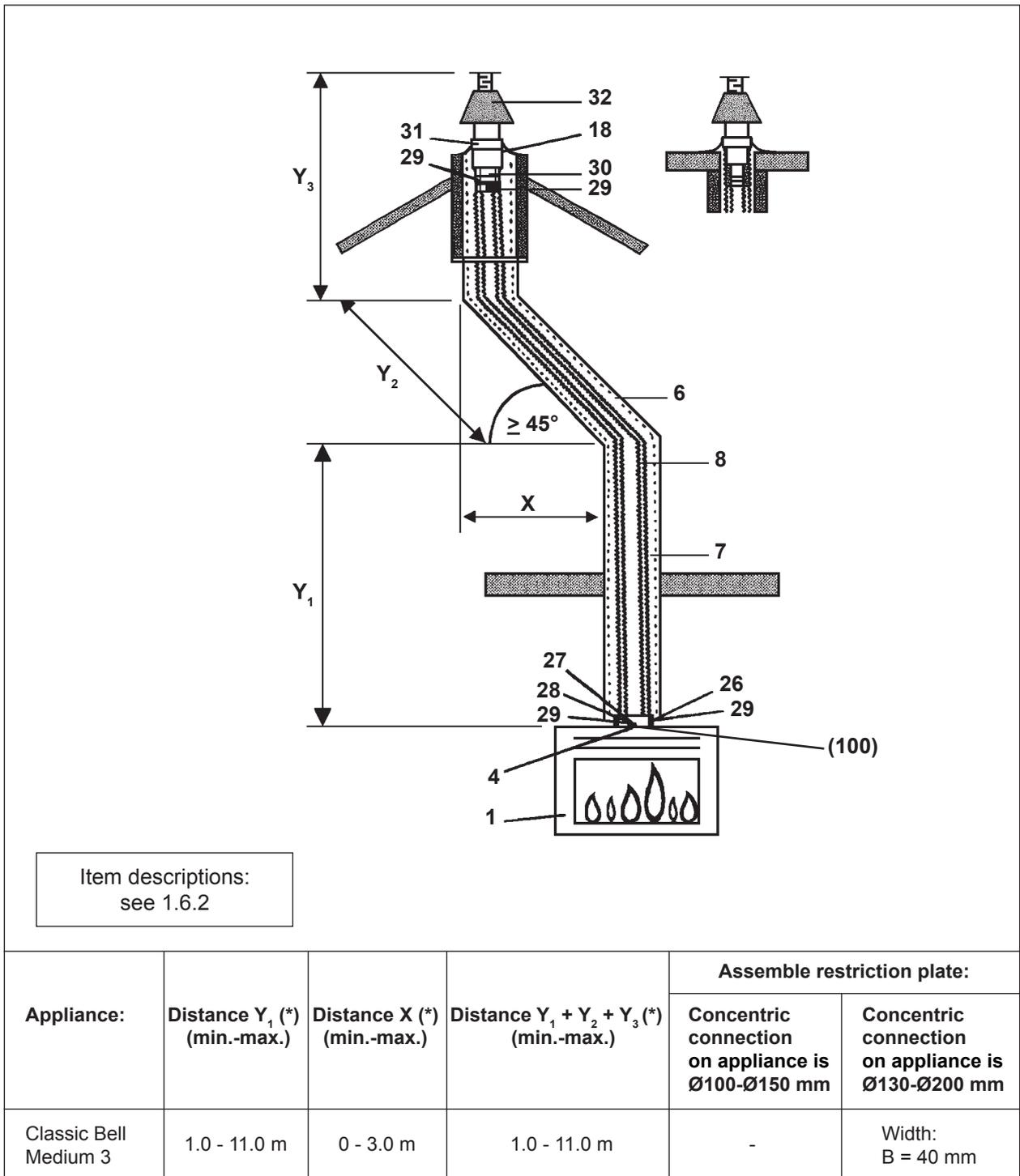
**Figure 7: Vertical chimney outlet using a lined chimney with a bend ≥ 45°**  
(Flexible Ø100 mm and/or rigid Ø100 mm / Ø150 mm)

ALL SIZES INCLUDE THE LENGTH OF THE ROOF OR WALL TERMINATION



**Figure 8: Vertical chimney outlet using an existing unsound lined chimney or when no chimney liners are present (Flexible Ø100 mm / Ø150 mm)**

ALL SIZES INCLUDE THE LENGTH OF THE ROOF OR WALL TERMINATION



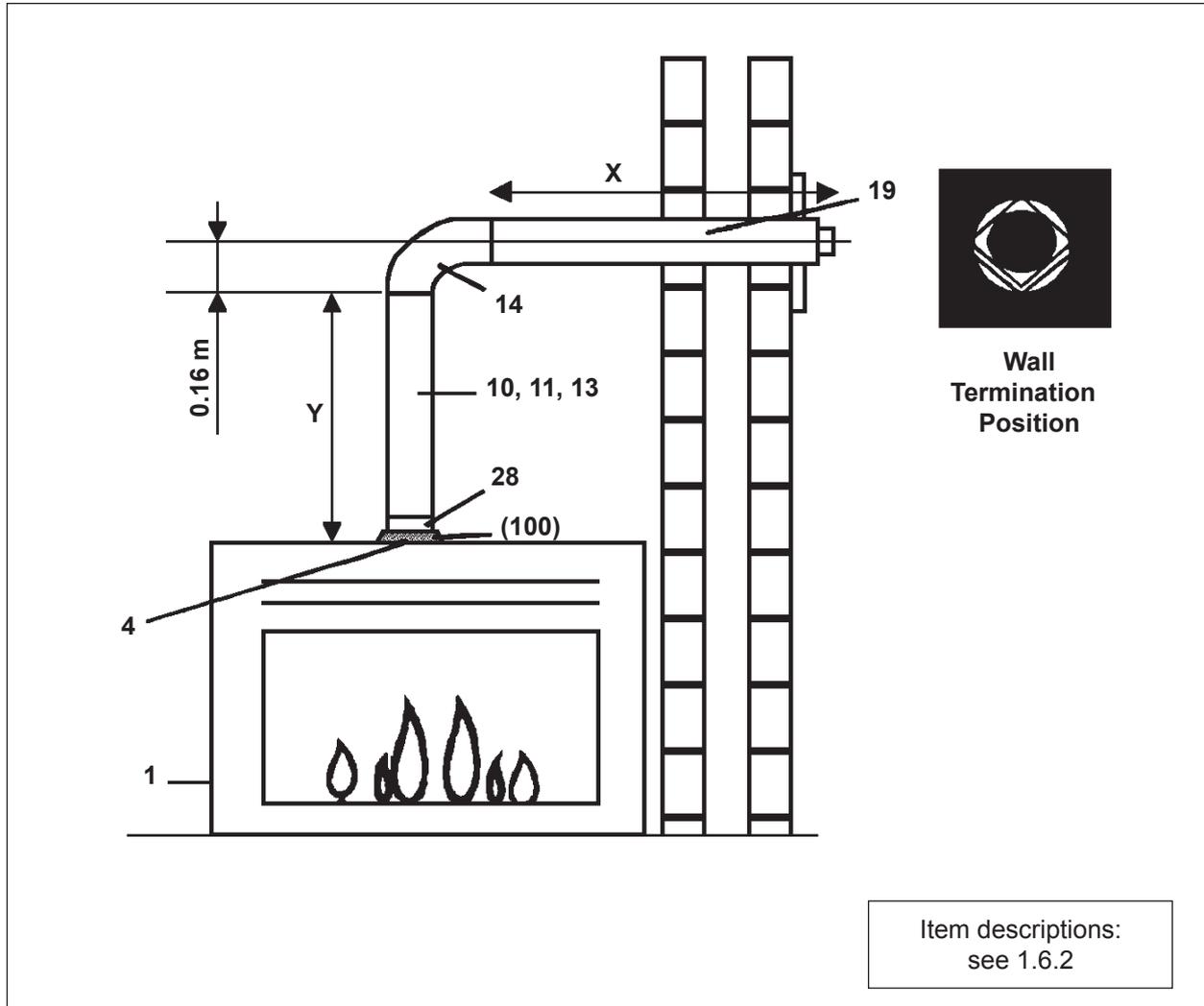
(\*) :  $(Y_1 + Y_2 + Y_3) : X \geq 2 : 1$   
 (Vertical to horizontal ratio (or  $45^\circ$  upwards) is always at least 2 to 1)

**Figure 9:** Vertical chimney outlet using an existing unsound lined chimney or when the chimney is unlined; with a bend  $\geq 45^\circ$   
 (Flexible  $\varnothing 100$  mm /  $\varnothing 150$  mm)

ALL SIZES INCLUDE THE LENGTH OF THE ROOF OR WALL TERMINATION

**RIGID CONCENTRIC FLUE Ø100 mm - Ø150 mm SYSTEM CONNECTION**  
**POSSIBILITIES and with wall outlet Ø100 mm - Ø150 mm**

**Appliance: Concentric flue connection Ø100-Ø150 mm or Ø130-Ø200 mm**



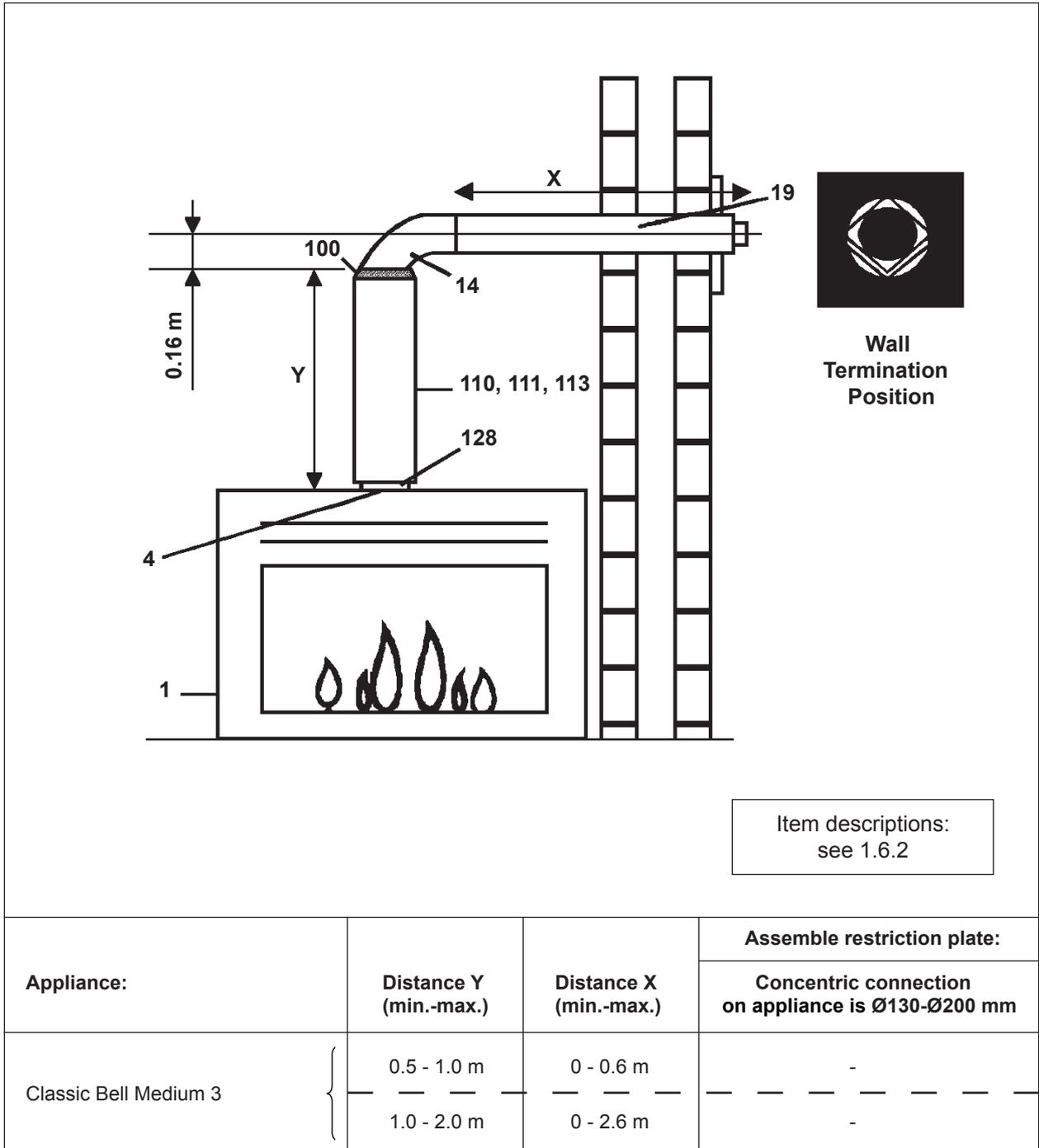
Appliance:	Distance Y (min.-max.)	Distance X (min.-max.)	Assemble restriction plate:	
			Concentric connection on appliance is Ø100-Ø150 mm	Concentric connection on appliance is Ø130-Ø200 mm
Classic Bell Medium 3	2.0 - 3.0 m	0 - 0.6 m	-	-
	3.0 - 4.0 m	0 - 1.6 m	-	-

**Figure 10: Horizontal wall termination**

ALL SIZES INCLUDE THE LENGTH OF THE ROOF OR WALL TERMINATION

**RIGID CONCENTRIC FLUE Ø130 mm - Ø200 mm SYSTEM CONNECTION**  
**POSSIBILITIES and with wall outlet Ø100 mm - Ø150 mm**

**Appliance: Concentric flue connection Ø130-Ø200 mm**

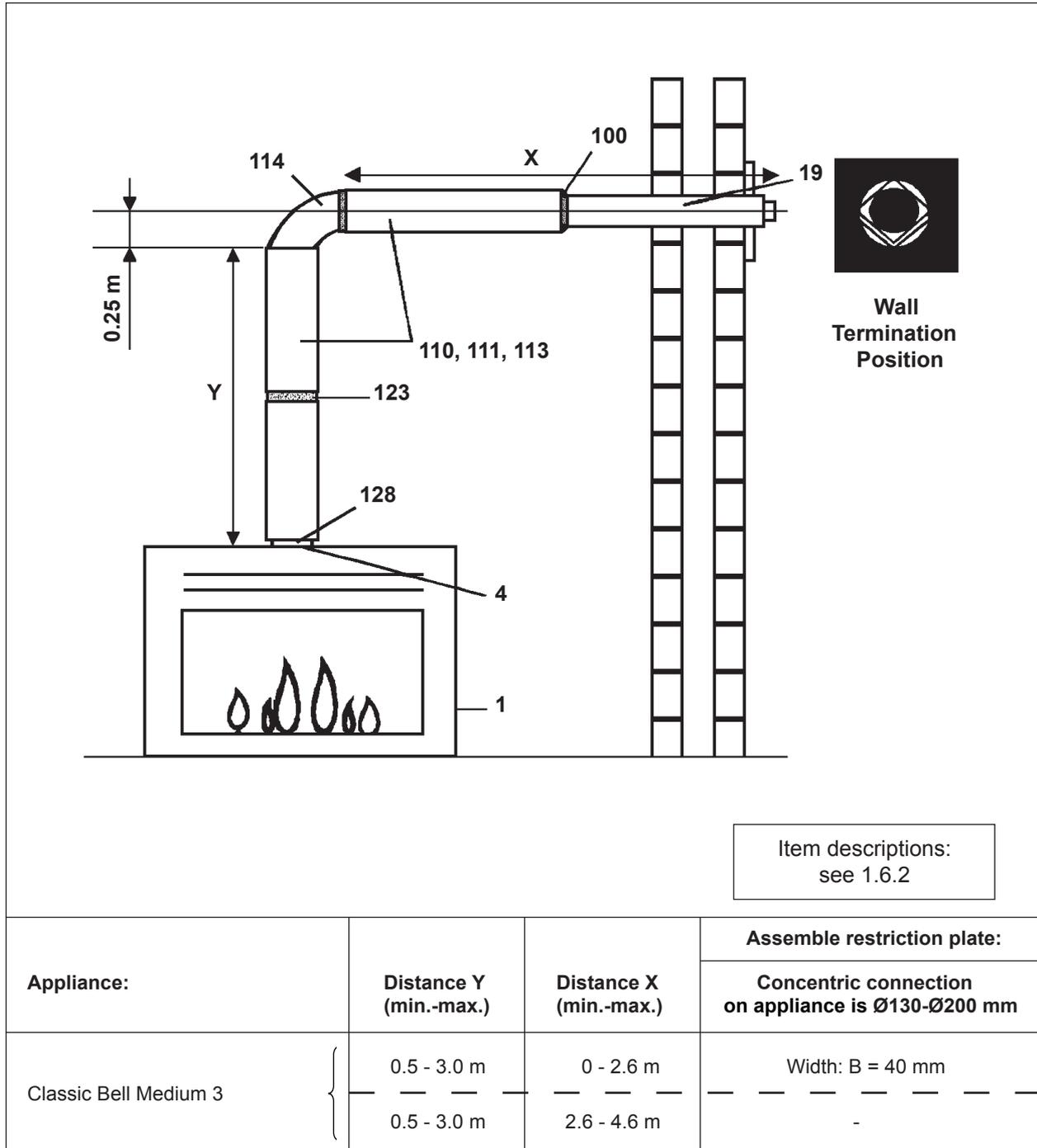


**Figure 11: Horizontal wall termination**

ALL SIZES INCLUDE THE LENGTH OF THE ROOF OR WALL TERMINATION

**RIGID CONCENTRIC FLUE Ø130 mm - Ø200 mm SYSTEM CONNECTION**  
**POSSIBILITIES and with wall outlet Ø100 mm - Ø150 mm**

**Appliance: Concentric flue connection Ø130-Ø200 mm**

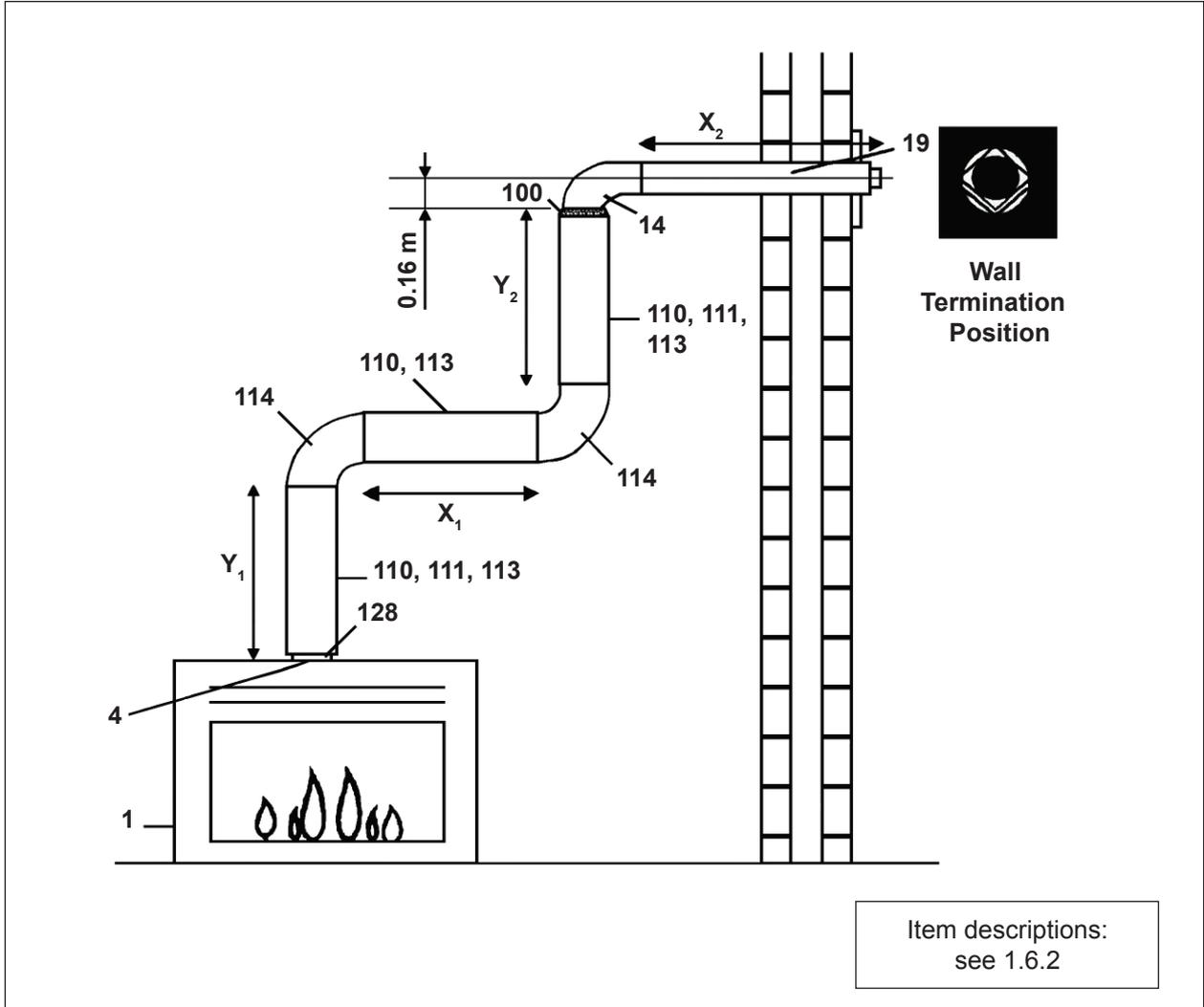


**Figure 12: Horizontal wall termination**

ALL SIZES INCLUDE THE LENGTH OF THE ROOF OR WALL TERMINATION

**RIGID CONCENTRIC FLUE Ø130 mm - Ø200 mm SYSTEM CONNECTION**  
**POSSIBILITIES and with wall outlet Ø100 mm - Ø150 mm**

**Appliance: Concentric flue connection Ø130-Ø200 mm**



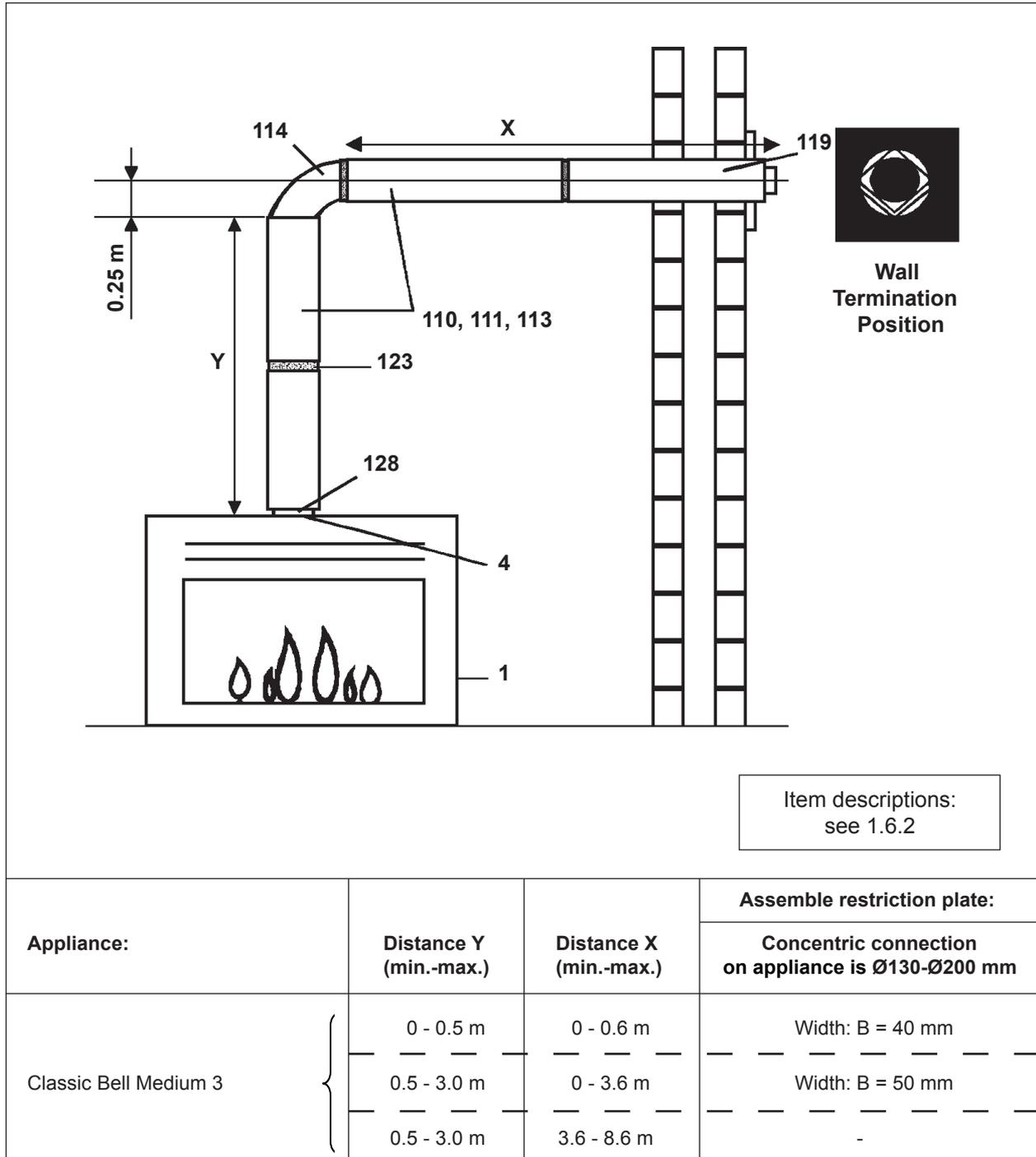
Appliance:	Distance Y <sub>1</sub> (min.-max.)	Distance X <sub>1</sub> (min.-max.)	Distance Y <sub>2</sub> (min.-max.)	Distance X <sub>2</sub> (min.-max.)	Assemble restriction plate:
					Concentric connection on appliance is Ø130-Ø200 mm
Classic Bell Medium 3	0 - 0.5 m	0 - 0.5 m	0.5 - 1.0 m	0 - 0.6 m	-
	0.5 - 1.0 m	0 - 0.5 m	0 - 0.5 m	0 - 0.6 m	-
	1.0 - 3.0 m	0 - 1.0 m	0.5 - 2.0 m	0 - 0.6 m	-
	1.0 - 3.0 m	0 - 3.0 m	1.0 - 3.0 m	0 - 0.6 m	-

**Figure 13: Horizontal wall termination**

ALL SIZES INCLUDE THE LENGTH OF THE ROOF OR WALL TERMINATION

**RIGID CONCENTRIC FLUE Ø130 mm - Ø200 mm SYSTEM CONNECTION**  
**POSSIBILITIES and with wall outlet Ø130 mm - Ø200 mm**

**Appliance: Concentric flue connection Ø130-Ø200 mm**



**Figure 14: Horizontal wall termination**

ALL SIZES INCLUDE THE LENGTH OF THE ROOF OR WALL TERMINATION

### 1.6.2 Item descriptions for figures 4 t/m 14

FIG. NO.	DESCRIPTION
1	Gas fire; Concentric flue connection Ø130/Ø200 mm
2	-
3	-
4	Restriction plate (The different sizes restriction plates are supplied with every appliance)
5	Chimney, min. Ø150 mm internal, totally gas tight.
6	Chimney or fireproof sleeving. Min. Ø160 mm internal.
7	Ø100 mm internal flexible stainless steel gas vent chimney liner AISI 316TI.
8	Ø150 mm internal flexible stainless steel gas vent chimney liner AISI 316TI.
9	-



For the suitable and available components for concentric chimney systems, please consult the “Concentric Components” booklet.



- The room-sealed gas appliances have been approved in combination with the components of the concentric flue systems listed in this instruction book, according to the European CE norm for gas appliances and may therefore be used **only** with these components.
- The components of the concentric flue system of:
  - \* Bellfires - Muelink & Grol System
  - \* Poujoulat - PGI System
  - \* Ontop - Metaloterm US System
  - \* Jeremias/STB - H-Twin System (STB = Chimney Technic Brummen NL)
  - \* Jeremias - TWIN-GAS system
 may **not** be used together in one installation.
- Check whether the wall or roof termination kit to be used **exactly** matches one of those listed in this instruction book.

### 1.6.3 Gas connection

Operation (gas regulating block (and receiver)) **outside** the appliance (in the operating unit):

The gas connection is situated where the operating unit is built in near to the appliance.

Use only gas piping with a minimum diameter of 1/2" and a shut-off valve.

### 1.6.4 Operating unit

If the appliance is fitted with an operating unit comprising gas control block and receiver, this will be located, once it has been built in, at a **maximum of 50 cm** from the left or right hand side of the appliance.

### 1.6.5 Convection package connections

When fitting a convection package (= convection casing and convection set (1x or 2x)), consideration should be given to the openings at approximately 1 meter above the appliance for the warm air exiting grids.

## 1.7 POSITIONING THE APPLIANCE

**Important:**



The fireplace is constructed on a sufficiently solid floor that can bear the weight of the appliance.

Ensure a free space of at least 1 cm between the bottom of the appliance and the floor.

Ensure that the temperature of the floor under and in front of the appliance can never rise above 85°C!

Make use of a temperature protection plate (of nonflammable material) on the floor if necessary.

Take care with a floor made of a flammable material.

Never position the appliance directly against the rear wall, but always place a nonflammable insulation plate, at least 12 mm thick, between the appliance and the rear wall, with free space on either side of 2 cm. (Total ± 5 cm.)

The rear wall must be made of nonflammable material.

Never use combustible materials during the installation.

Ventilate the fireplace, by allowing vents above and below the fireplace.

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.

**Do not insulate the appliance! Only the top and sides may be fitted with a strip of white, loose insulation wool (heat-resistant to 1000°C), width 15 cm max. to protect the wall.**

**Do not use fibreglass or Rockwool, or any other sort of insulating material. These emit a pungent odour. This is considered extremely unpleasant. They may also cause discolouring of the column.**

**Flammable materials, such as curtains, should not be placed in the vicinity of the gas fire. Minimum safe distance: 100 cm.**

If the optional convection casing has been chosen, mount the convection package on the appliance.

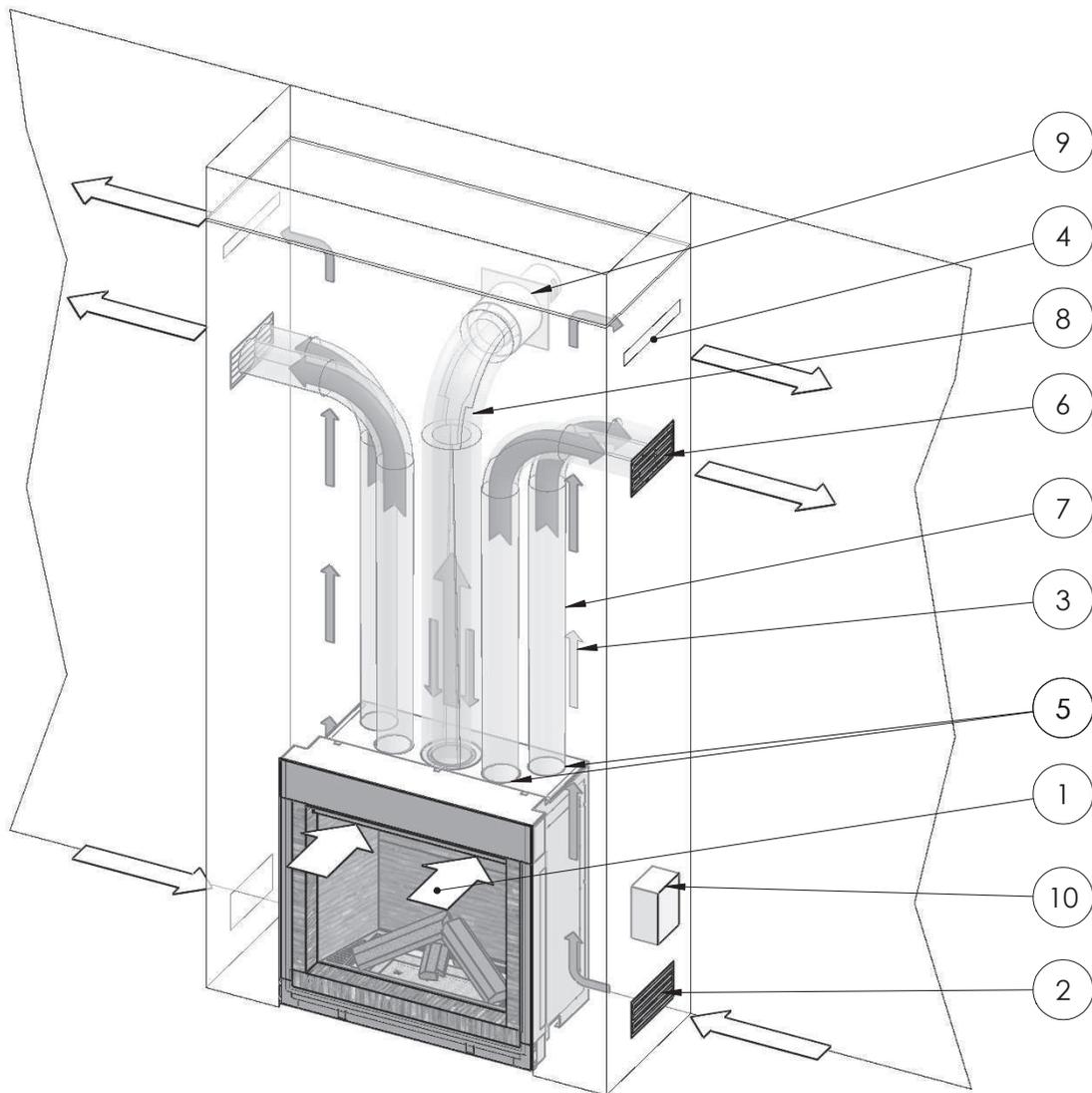


The appliance can be easily installed using a set of carrying brackets (accessory).  
After installing: remove carrying brackets!

Before continuing the installation of the fireplace, remove the ornamental pillars that are wrapped in plastic foil and the glass pane as described in chapter 4.1.  
Take the 2 boxes that contain the ceramic log set with accessories and the control cabinet out of the fireplace.

Very carefully remove the 6 cardboard protection pieces that have been placed between the panels.

**ATTENTION: The panels have been made from a fragile fireproof material that is vulnerable to scratches. Handle with care to avoid damage.**

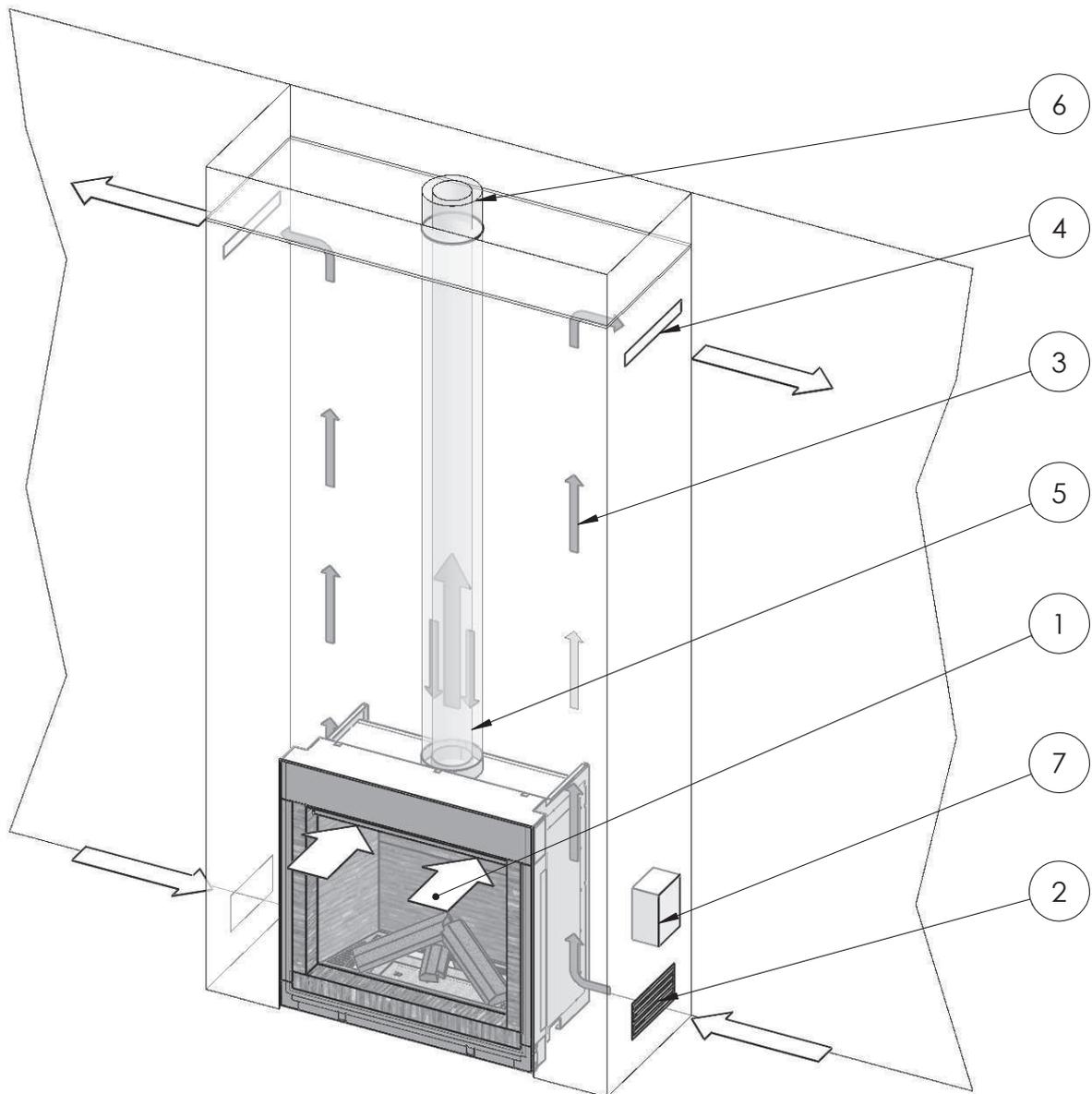


**Figure 15: Appliance installed in ventilated chimney breast**  
**Horizontal outlet of the flue gas exhaust / combustion air**  
**supply via the wall.**

**Fitted with the options / accessories:**

- convection package (= convection casing and 1x convection set)
- 1x extra convection set
- high adjustable feet

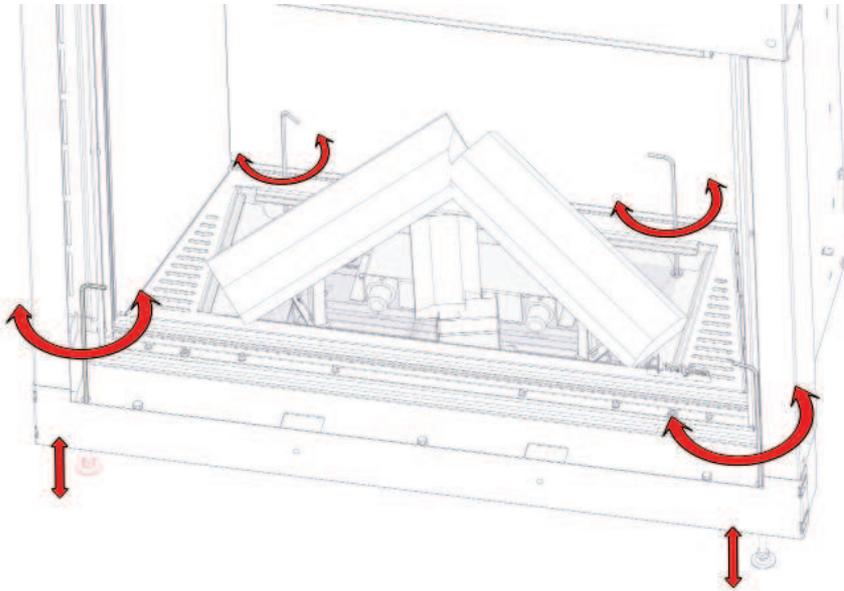
- 1 Inlet opening (appliance) convection air
- 2 Inlet opening (grate) (chimney breast) convection air
- 3 Natural convection in the chimney breast
- 4 Outlet opening (grate) (chimney breast) natural convection air
- 5 Outlet opening (appliance) convection air / connection convection set (2x or 4x)
- 6 Outlet opening (grill convection set) (chimney breast) convection air (2x or 4x)
- 7 Flexible aluminium hose
- 8 Concentric flue connection appliance; Ø130-200 mm for a horizontal wall outlet
- 9 Horizontal wall outlet
- 10 Built in operating unit with gas regulator block and receiver



**Figure 16: Appliance installed in ventilated chimney breast  
Vertical outlet of the flue gas exhaust / combustion air  
supply via the roof.  
Fitted without convection package**

- 1 Inlet opening (appliance) convection air
- 2 Inlet opening (grate) (chimney breast) convection air
- 3 Natural convection in the chimney breast
- 4 Outlet opening (grate) (chimney breast) convection air (2x)
- 5 Concentric flue connection appliance; Ø100-150 mm for a vertical roof outlet
- 6 Concentric flue system; Ø100-150 mm for a vertical roof outlet
- 7 Built in operating unit with gas regulator block and receiver

Use the four adjustable legs to set the height of the appliance. See figure 17.  
Use long Allen key no. 4 for this.



**Figure 17: Adjusting the built-in height of the appliance**

These adjustable legs can be reached after the window and the grill around the burner have been removed (see Chapter 4).

Position the gas supply pipe such that it can be easily mounted after installation.

Because the control system is outside the appliance, the gas pipe must lead to where the operating unit (built in), the gas regulating block (and the receiver) assembly are fitted.

Move the appliance until it is  $\pm 5$  cm from the rear wall and ensure it is level. Place the nonflammable insulation plate (min. 12 mm) between the appliance and rear wall. The appliance may not be installed against a flammable rear wall.

Attach the appliance to the rear wall with 2 wedge bolts. Use the adjustable mounting brackets at the side of the appliance for this.

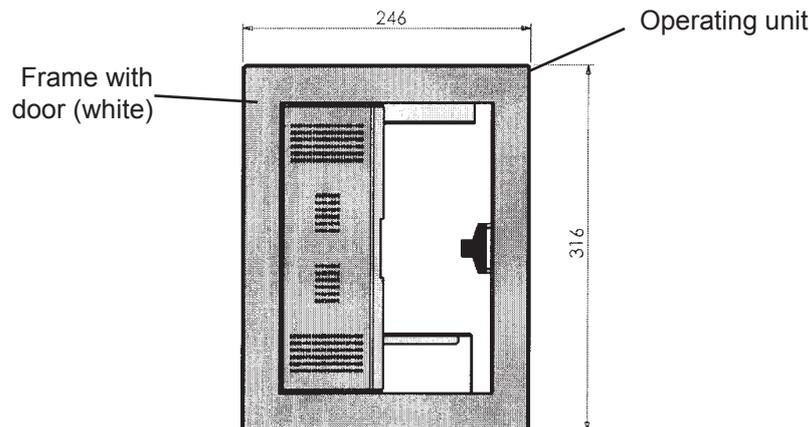
### 1.7.1 Gas connection operating unit

**Important:**



**During gas connection, take care not to twist the gas regulator block. Make sure that both the gas regulator block and the supply pipes are not subjected to stresses.**

The appliance is supplied with a built-in operating unit.



**Figure 18: Operating unit**

Remove the decorative edging and door of the operating unit.

Fit the separate operating unit, where the gas regulator block and receiver will be placed, on max. 50 cm from the appliance.

The burner, gas regulator block and receiver have been fully factory assembled.

Disconnect the bracket with the gas regulator block and receiver from the appliance. Carefully move the bracket with the gas regulator block, receiver, pipes and cables to the operating unit. Mount the bracket at the bottom of the operating unit.

**Important:**



**Take care that no pipes get damaged and no compression fittings come loose when moving the gas regulator block. Prevent twisting the flexible pipes! Check all compression fittings for leaks afterwards!**

Mount the receiver in the top of the operating unit. Check afterwards that all electric connections are properly connected.

General:

Route all piping and cables from the operating unit to the appliance through an easily accessible hollow cavity.

During subsequent installation of the operating unit, protect the gas regulator block and piping against encasement by cement etc.

**Important :** **Cement and chalk can damage the piping and can, in turn, lead to gas leaks.**



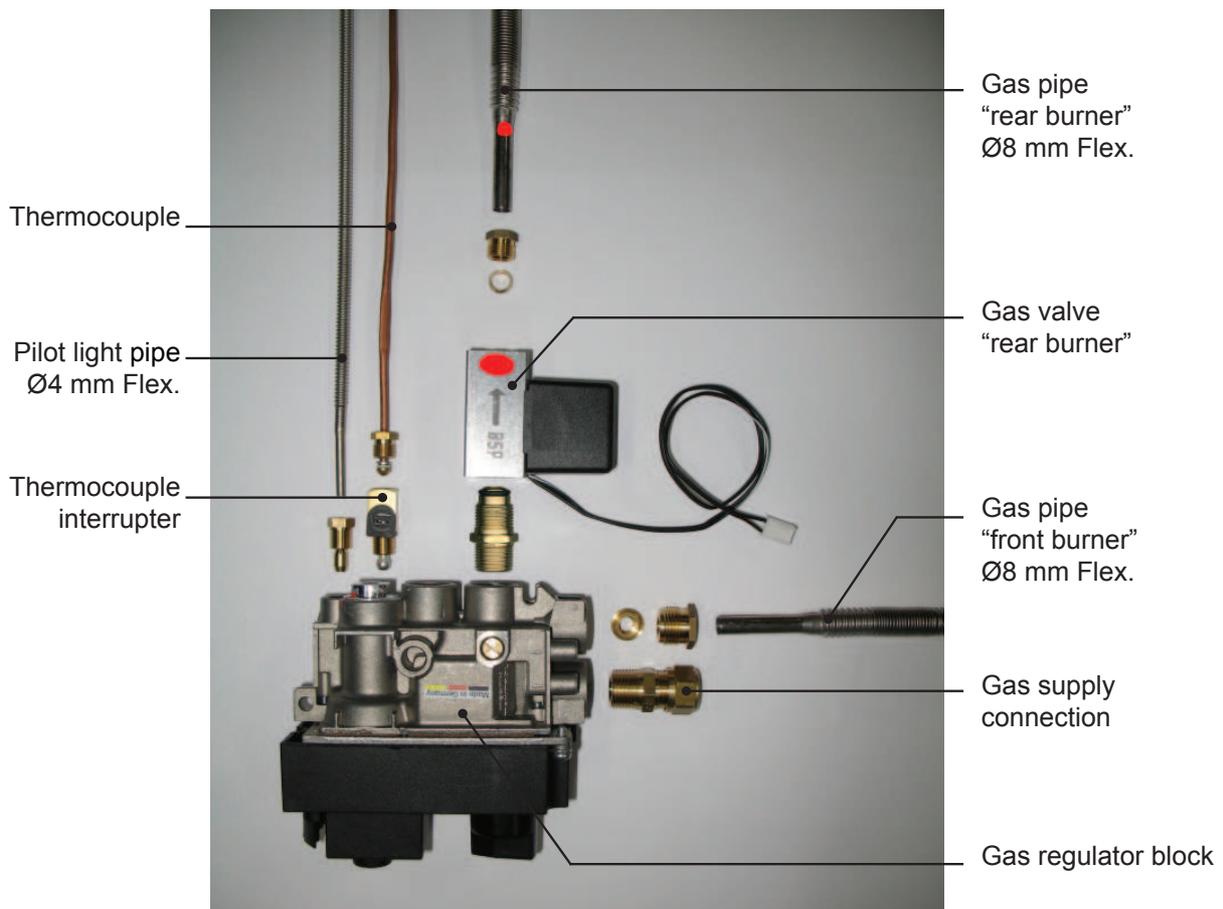
Disassembly and assembly of pipes and cables:

If necessary for mounting, all pipe compression fittings and cable connectors can be temporarily disassembled. After mounting, carefully reassemble all pipes and cables. Check afterwards all compression fittings for leaks and that all electric connections are properly connected.

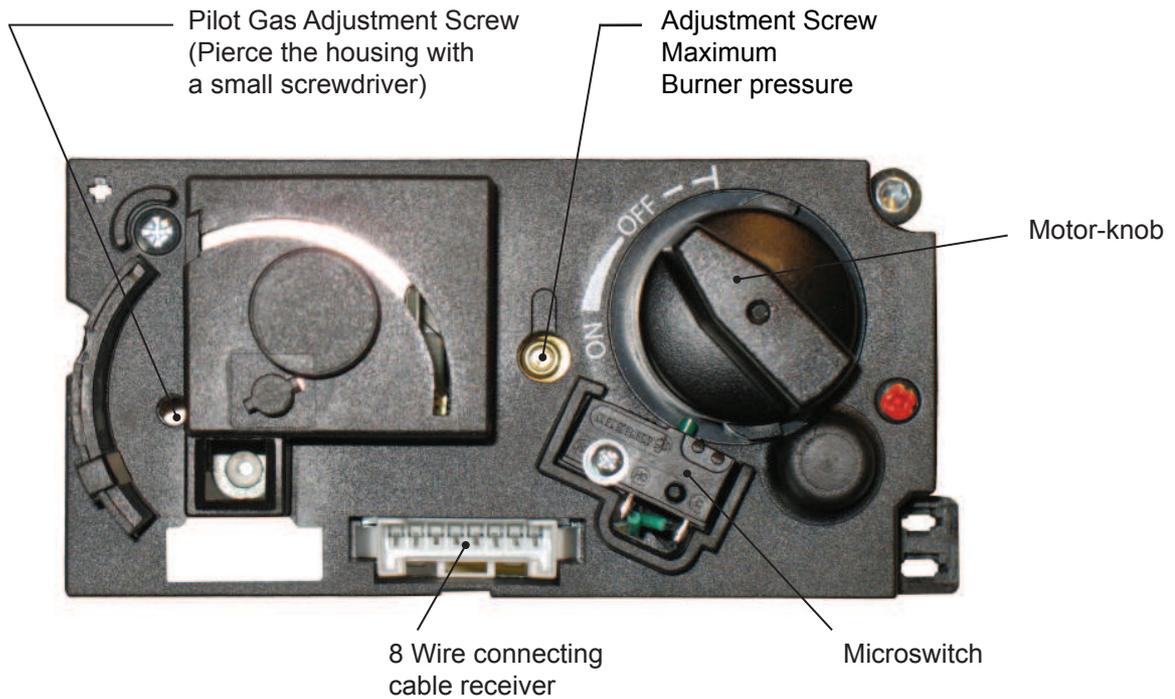
**Important :** **Screw the thermocouple connection (and thermocouple interrupter) manually into the gas regulator block. Afterwards, carefully fasten a half turn with a spanner.**



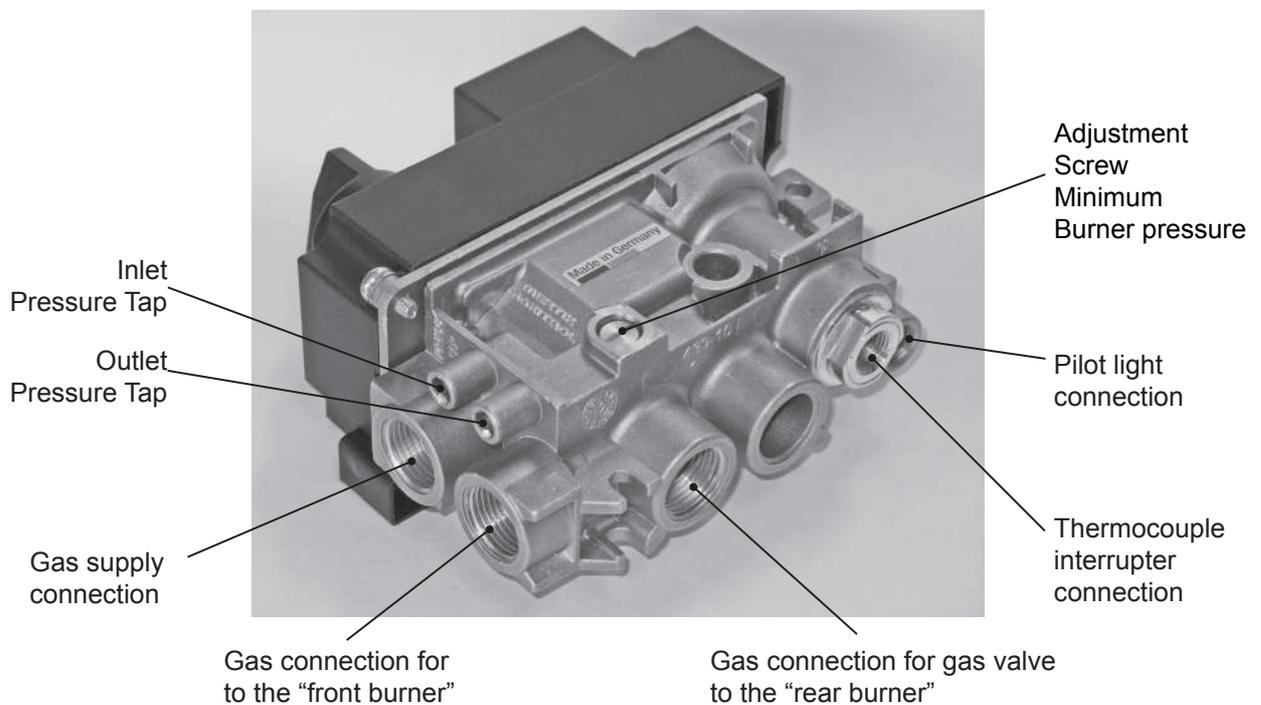
**Note :** **Check that the flexible burner pipes are correctly connected! The gas connection of the gas valve “rear burner” must be connected to the “rear burner”! See Chapter 5. Switching over the flexible burner pipes during assembly can lead to an explosive ignition. Prevent this at all costs!**



**Figure 19: Gas regulator block and gas valve: Gas and thermocouple connections**



**Figure 20: Gas regulator block - Front**



**Figure 21: Gas regulator block - Rear**

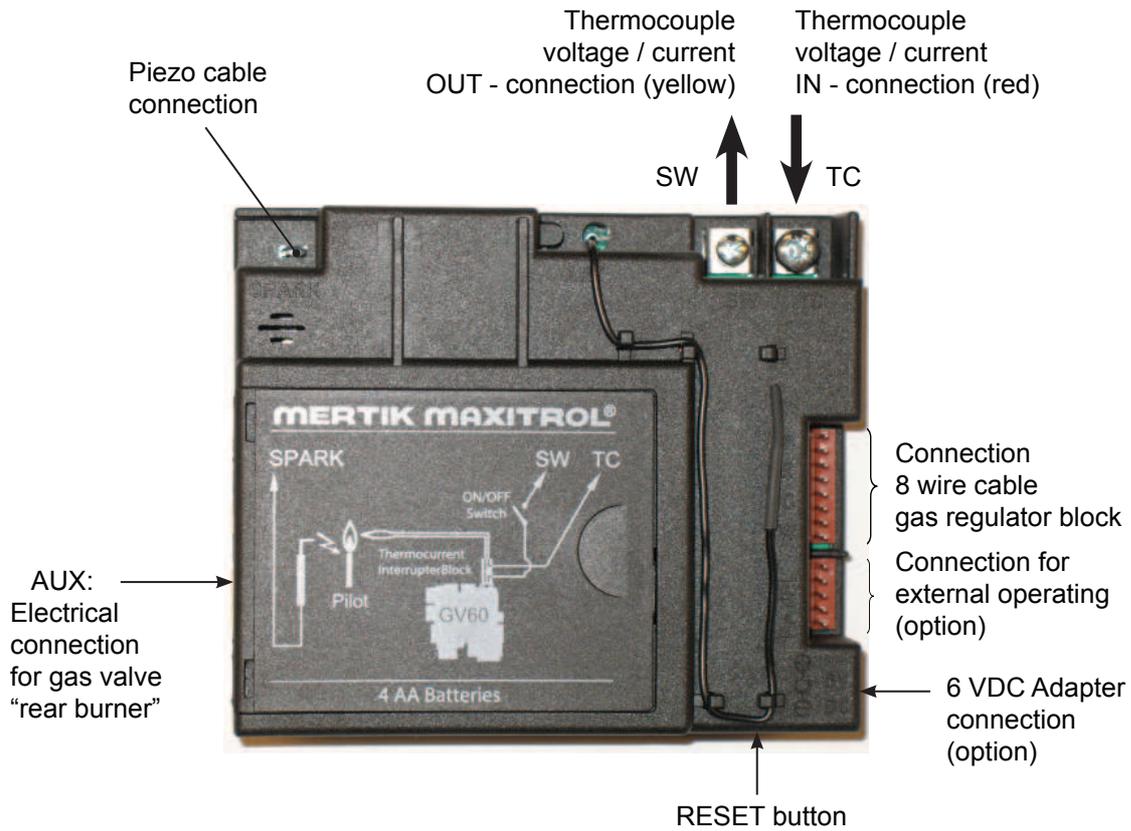


Figure 22: Receiver - Top

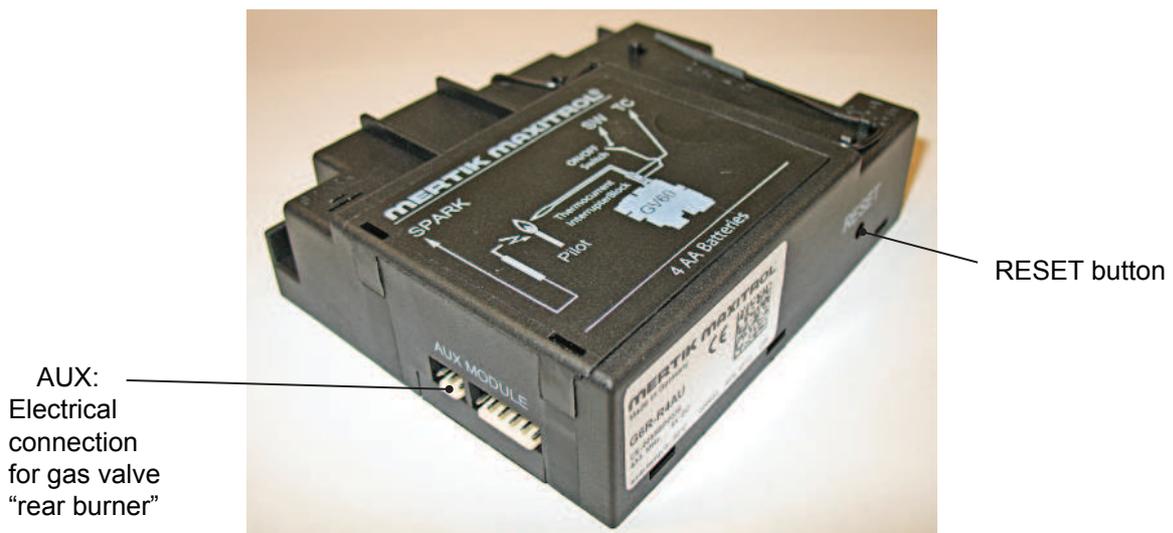


Figure 23: Receiver - AUX connection - RESET button



**Figure 24: Module (Light)**

The appliance is fitted with a 230V AC connection and may only be connected to an earthed socket. The appliance has ambient lighting.

Electrical connections and batteries:

<b>Appliance</b>	<b>Module (light)</b>	230V AC	
	<b>Receiver Remote control</b>	6V DC (via the 5-pole cable of the Module (Light))	<b>Important: Do not place batteries in the receiver!</b>
<b>Hand transmitter Remote control</b>		1x 9V Block battery	

Upon delivery of the appliance, the electrical connections of the gas regulator block and the receiver are already assembled.

The Module(Light) is separately delivered with the appliance. This component is to be electrically connected during the installation according to the following Figure 25 and 26.



Attach the earth cable  $\perp$  (yellow/green) to a metal part on the inside of the operating unit, with the help of the existing screw.

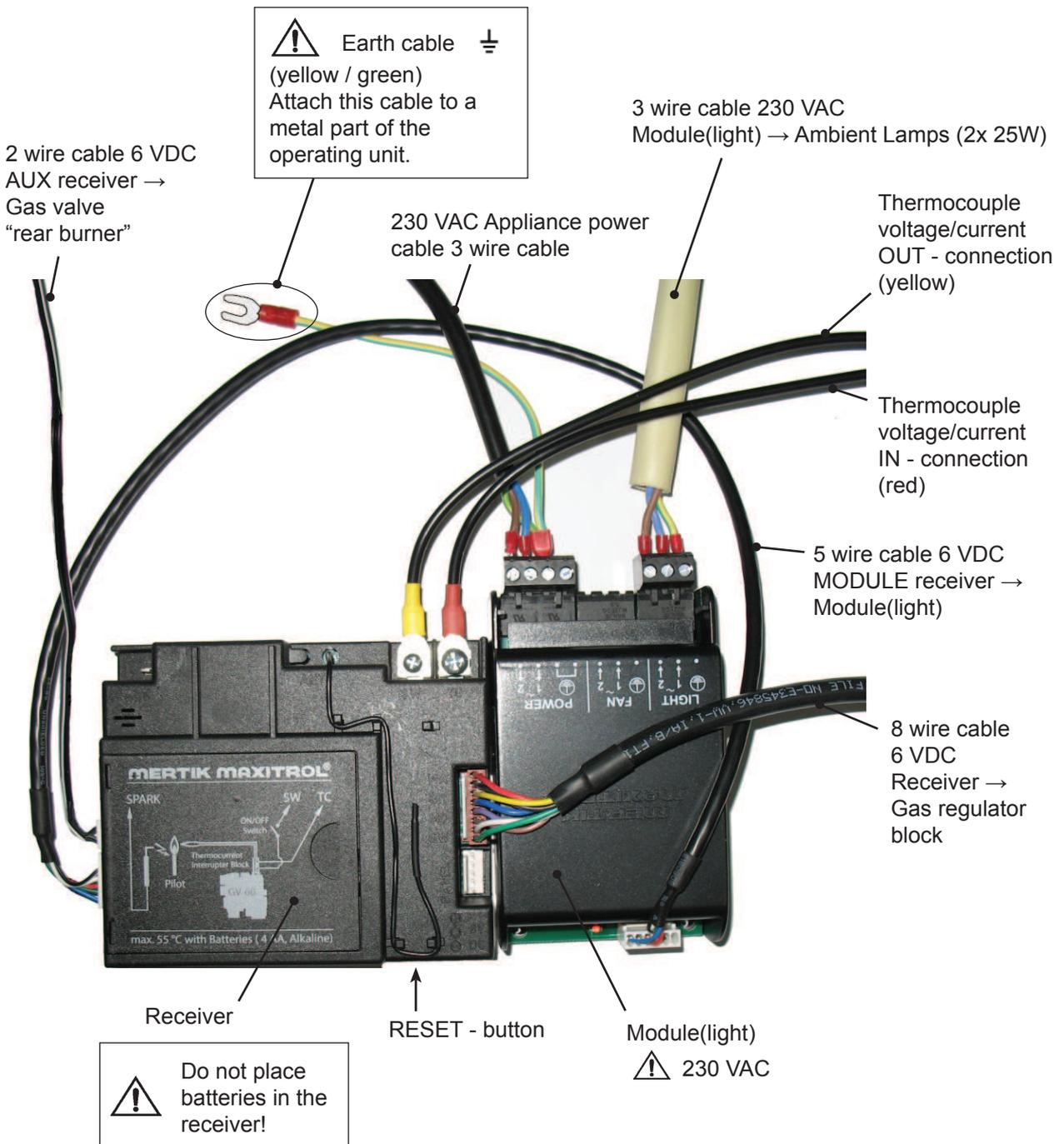
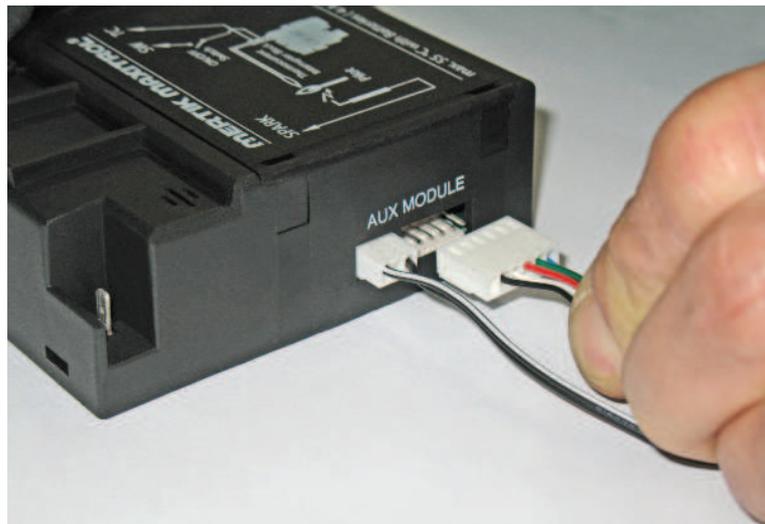
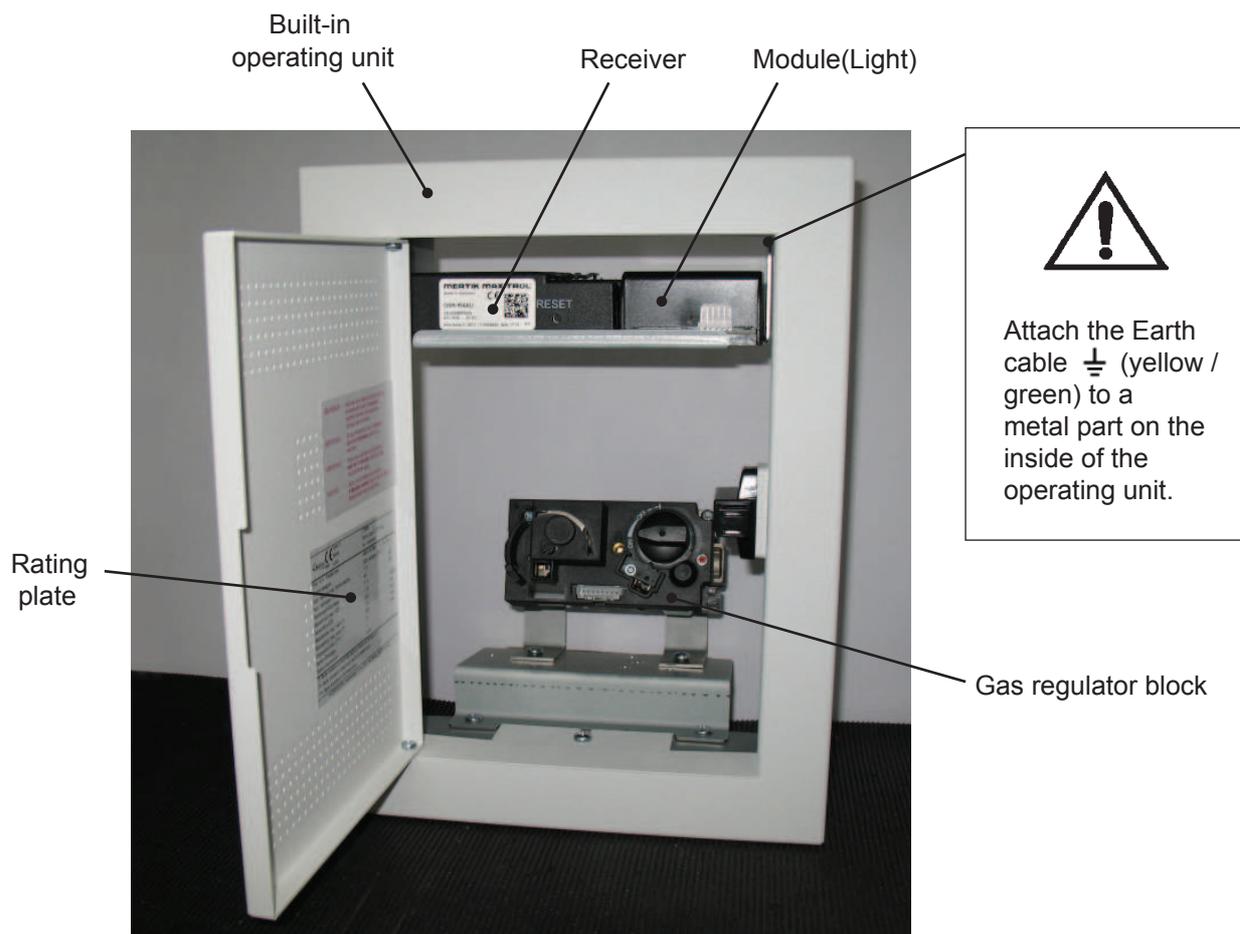


Figure 25: Electrical connections Receiver and Module(Light)



**Figure 26:** Connecting 5 wire cable 6VDC on MODULE connection of the receiver



**Figure 27:** Built-in operating unit  
Position Receiver, Module(Light) and Gas regulator block  
*(Components are in the picture not yet electrically connected!)*

### 1.7.2 Connecting the concentric flue

Assemble the concentric flue system according to one of the examples in section 1.6.1, figure 4 to 14 inclusive.

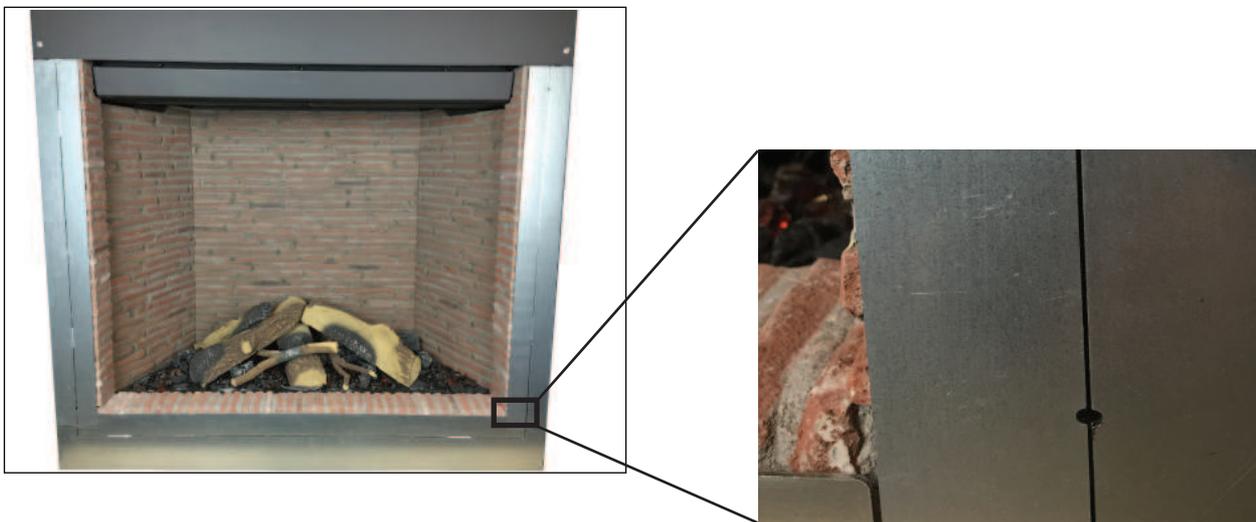
Make sure that all connections are completely gas tight.

### 1.7.3 Building in the appliance

The appliance is supplied from the factory with three decorative elements for the exterior of the fireplace:

- 1x horizontal support girder
- 1x vertical post Right
- 1x vertical post Left

If the decorative pillars at the front must be visible, then break off the strips at the sides and the bottom.

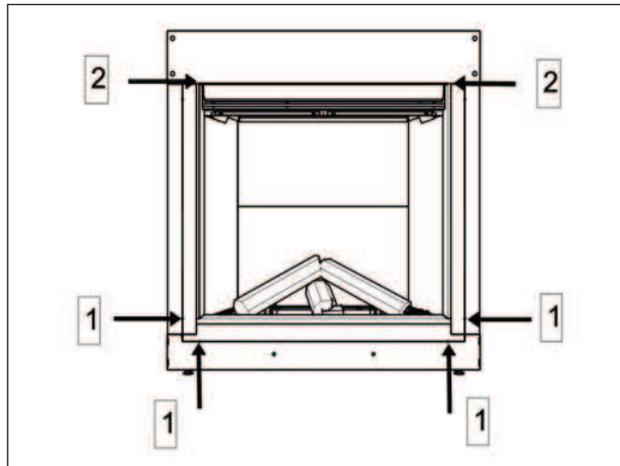


**Figure 28: Appliance with break strips and marking present**



**Figure 29: Appliance with break strips removed**

Markings have been added on the edge of the breaking strips. These markings indicate the farthest position that the ornamental fireplace or bricks may reach.



1 = Marking  
2 = Bracket

The appliance can now be built in.

Determine the places for the ventilation openings (grates, at the top and the bottom of the fireplace) and, if applicable, the warm air outlet grates of the convection package.

The appliance can be built in by means of bricks or by means of heat-resistant plates (e.g. promatect, superisol) that are screwed onto a metal frame.

The bricks or heat-resistant plates must be mounted around the fireplace.

**ATTENTION: Due to expansion of the hearth when heating: maintain at least 3 mm of space on both sides of the appliance).**

Subsequently, an ornamental fireplace can be placed at the front of the appliance. When positioning the ornamental fireplace, care should be taken that it does not exceed the markings shown on the breaking strips.

If the front of the fireplace is finished with ornamental bricks, the bricks should not exceed the markings on the breaking strips at the sides and the bottom.

**ATTENTION: If the material for building in exceeds the markings, it will not be possible to remove the glass later on.**

At the top of the appliance, the ornamental hearth or the ornamental bricks may not be lower than the horizontal bracket.

If a post and lintel is placed above the appliance, a heat-resistant sealing cord is to be mounted between post and lintel and fireplace, so that the appliance is allowed to also expand upwards.



**Do not use masking tape on the appliance when installing and plastering. Tape can damage the finish of the hearth.**

The brickwork or the fire-resistant sheet construction can now be continued to ceiling height.

If using other materials, such as stone or heat-resistant plating, you should follow the supplier's instructions.

Once the fireplace has been finished, you can now, fit the frame with the small door to the operating unit.

**After installation in a new fireplace and/or applying new cement work, the appliance cannot be used for at least four weeks.**

#### **1.7.4 Checking the gas connection**

After connection of the gas supply, check that all connections are completely gas tight using soapy water or a leak tester.

### 1.7.5 Placing the ceramic log set, 'fire glass', embers and decorative ash. For appliance fitted with the "Premium Fire" (PF) double burner:

The construction of the ceramic log set, "fire glass", embers and decorative ash for an appliance with a "Premium Fire (PF) NATURAL GAS double burner is the same as for a Premium Fire (PF) PROPANE/BUTANE double burner.

The appliance is supplied with

- Ceramic log set ; See Log Nos. 14 to 25 below.
- "Fire glass Black"
- "Fire glass Dark Amber"
- Embers
- Decorative ash



- Ceramic log set; Logs nos. 14 to 25
- Embers; **E**
- Decorative ash; **A**



- 'Fire glass Black'



- 'Fire glass Dark Amber'



- Embers; **E**



- Decorative ash; **A**

**Important :**

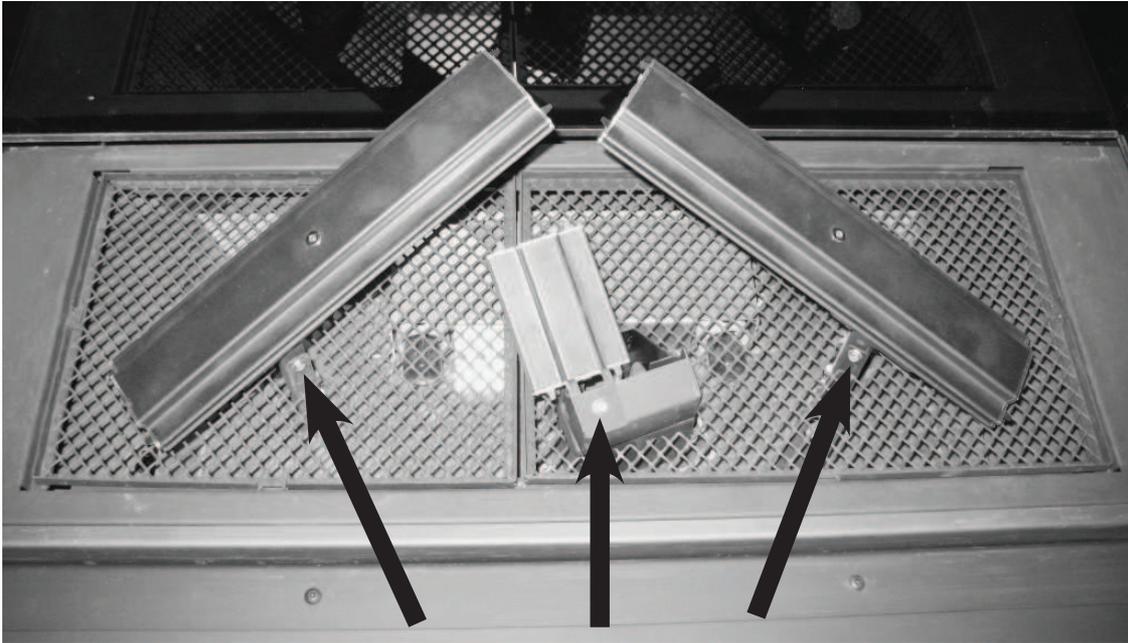


- **Place the log set, 'fire glass', embers and decorative ash, carefully on and around the main burners, as indicated by the specifications mentioned in this chapter.**
- **Do not place "fire glass", embers or decorative ash on or against the pilot light burner.**
- **To prevent this, the pilot light is fitted with a pilot light cap. Never remove this cap!**
- **Ensure that the pilot light is always able to burn freely over the main burner.**  
**Proper ignition of the main burner will only be guaranteed if this is the case. Not adhering to these stipulations can give rise to dangerous situations.**
- **Ensure that the pilot light is always easily visible.**
- **The burner bed (with "fire glass", embers and decorative ash) and the logs construction may not be changed.**
- **Only use materials supplied! This has been approved and the quantity is defined per appliance.**
- **Replacement parts are available through your dealer.**
- **Placement may only be carried out by an authorised person.**

Remove the glass from the appliance, in accordance with the specifications in Chapter 4; DISASSEMBLY / ASSEMBLY OF THE GLASS.

### 1.7.5.1 Ceramic log set + 'fire glass' + embers + decorative ash

- 1 IMPORTANT: Check the presence of the three burner fixing bolts. See photo.



Check the operation of the ambient lighting/dimmer with the remote control.  
See operating instructions;  **Operation light / dimmer**

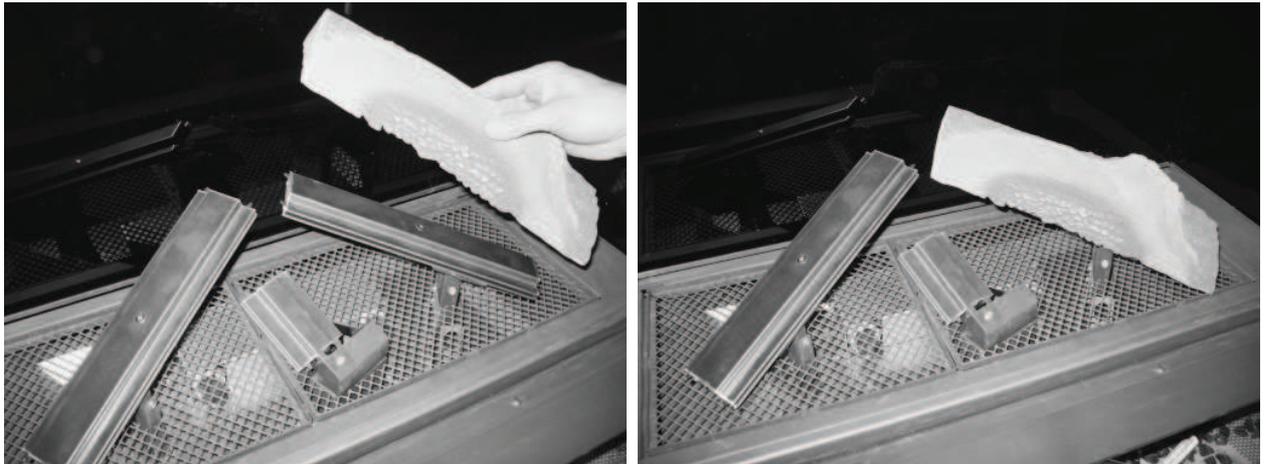


If necessary repair the ambient lighting.

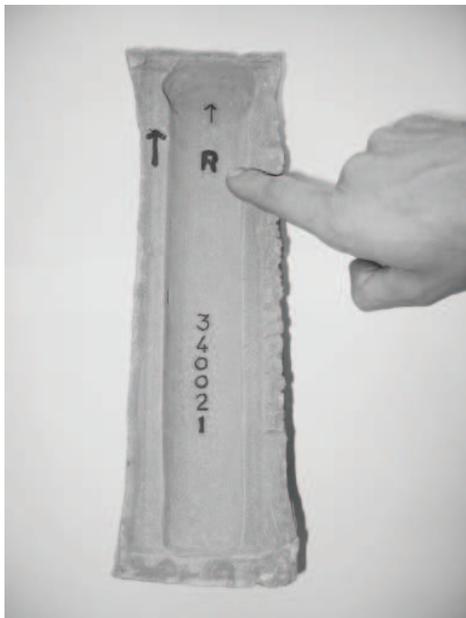
See Chapter 4A: DISASSEMBLY AND ASSEMBLY OF THE BURNERS AND MESH GRATES - REPLACING THE AMBIENT LIGHTING.

Only use original ambient lights.

2 Place burner log **No. 16** carefully on the burner - right.

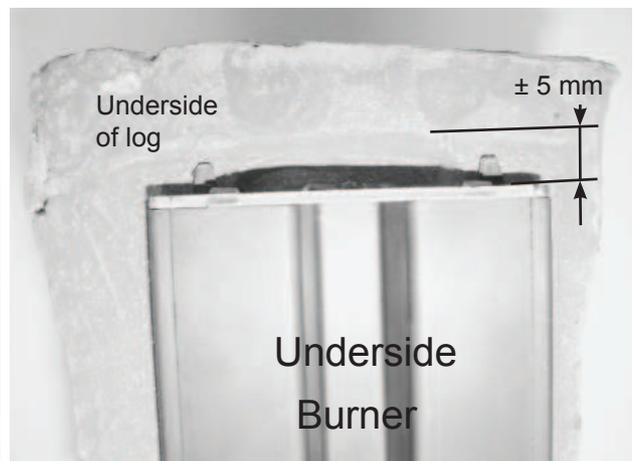
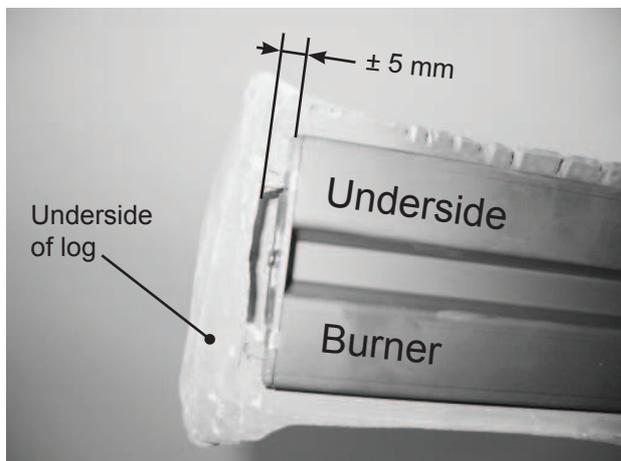


Check first if the "Arrow", on the underside of the log, is pointing up.



Burner log No. 16 =  
Art. no. 340021 (legible on  
the underside of the log)

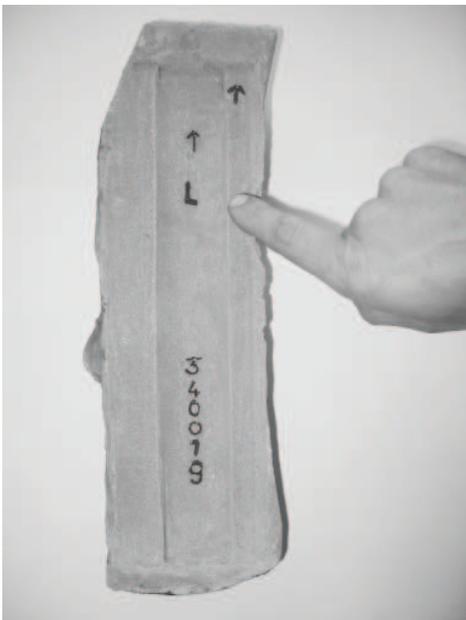
Check that the underside of the log has free space on both end faces of  $\pm 5$  mm with respect to the metal burner.



- 3 Place burner log **No. 14** carefully on the burner - left.

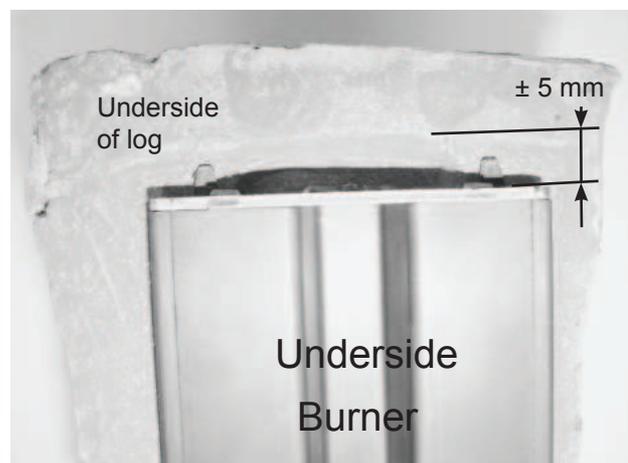
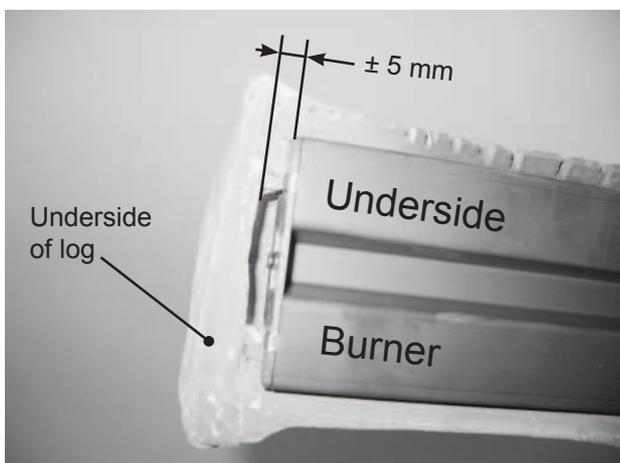


Check first if the "Arrow", on the underside of the log, is pointing up.

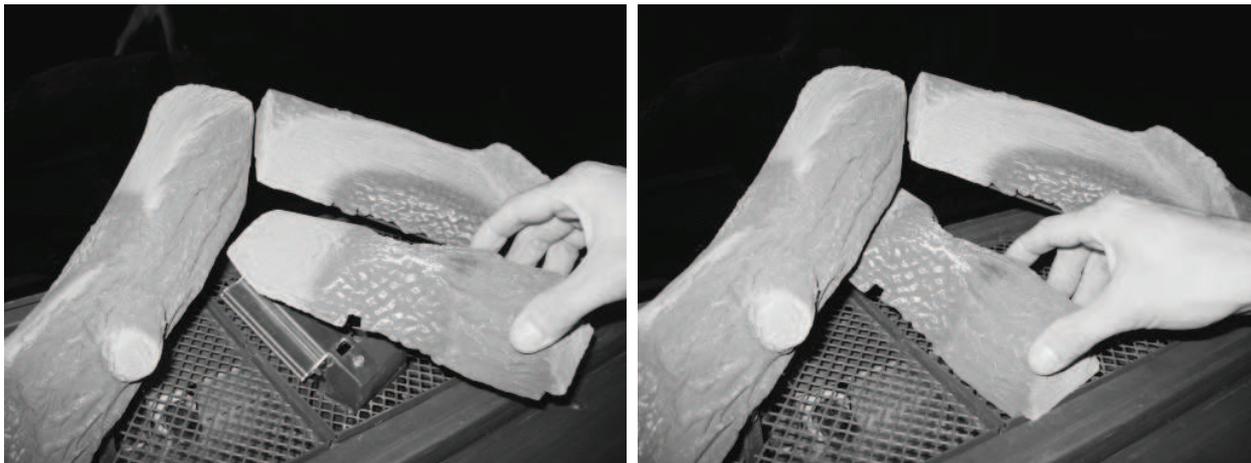


Burner log No. 14  
Art. no. 340019 (legible on  
the underside of the log)

Check that the underside of the log has free space on both end faces of  $\pm 5$  mm with respect to the metal burner.

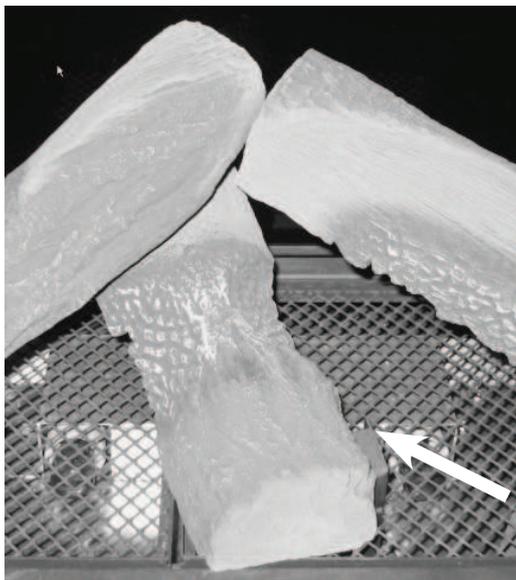


- 4 Place burner log **No. 15** carefully on the burner - middle (with the pilot light).

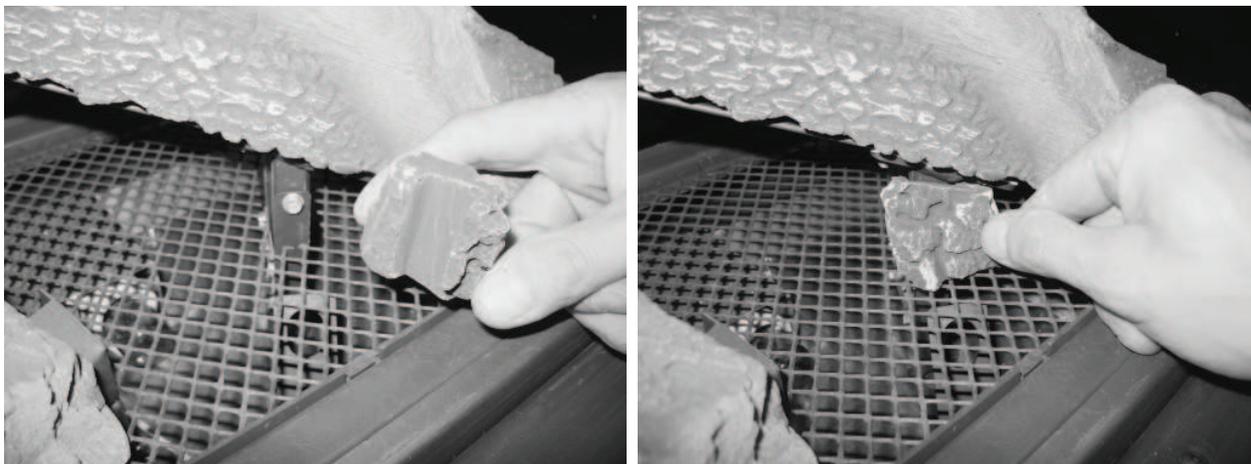


Burner log No. 15 = Art. no. 340020 (legible on the underside of the log)

Check that the pilot light remains visible.



- 5 Place the charcoal part **No. 23** (= 1x Art. no. 340028) under the Right burner, around the venturi.



- 6 Place the charcoal part **No. 24** (= 1x Art. no. 340029) under the Left burner, around the venturi.



- 7 Sprinkle the 'Fire glass Dark Amber' evenly on the mesh grate, around the burners.

Note: Put no "fire glass" on or against the pilot light burner!

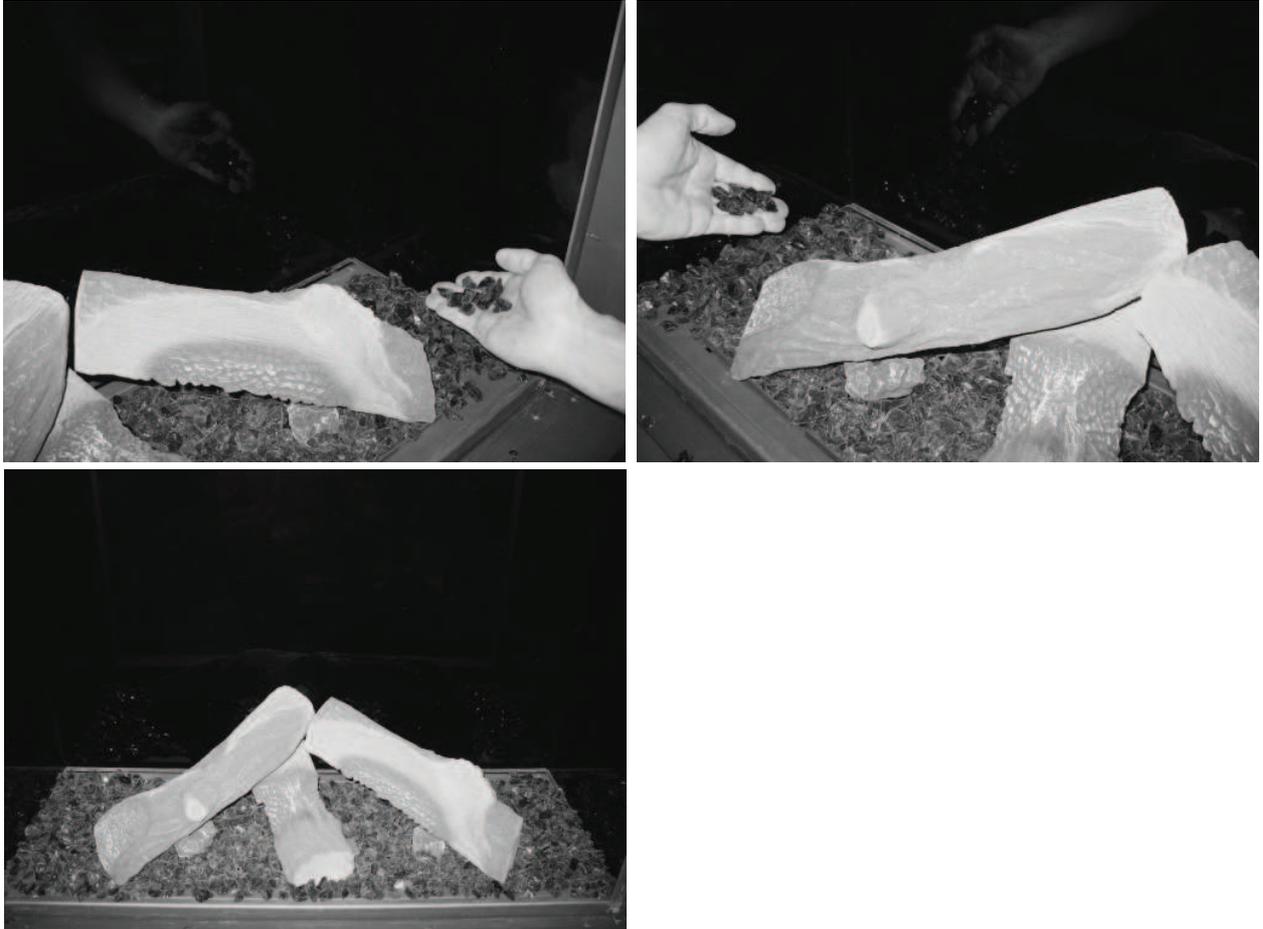
Note: Put no 'fire glass' under burner logs **No. 14, 15** and **16**, where these are supported by the mesh grate.



**Note!**

Do not sprinkle "Fire glass Black" on the mesh grate, around the burners. 'Fire glass Black' blocks the light too much.

- 8 Sprinkle the 'Fire glass Black' evenly on the grate, left and right of the mesh grate.



- 9 Set the light intensity of the ambient lighting/dimmer to max. on the remote control. See operating instructions;  **Operation light / dimmer** Check that the "fire glass" is distributed evenly and that the light intensity is the same everywhere. Adjust the distribution of the "fire glass" if necessary.

10 Place log **No. 18** (= 1x Art. no. 340023).



11 Place charcoal part **No. 21** (= 1x Art. no. 340026).



12 Place log **No. 17** (= 1x Art. no. 340022).



13 Place branch **No. 19** (= 1x Art. no. 340024).



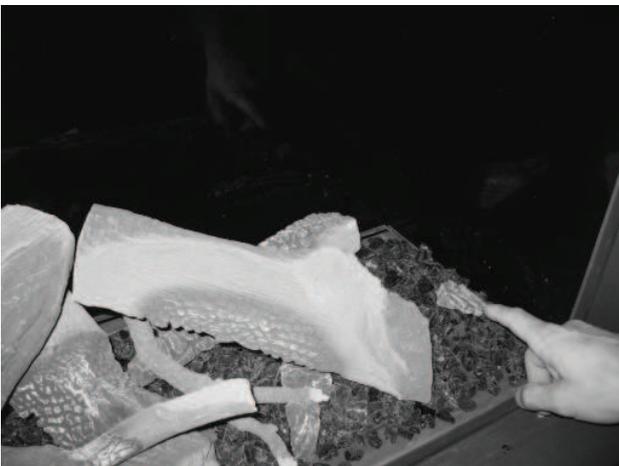
14 Place branch **No. 20** (= 1x Art. no. 340025).



15 Place charcoal part **No. 22** (= 1x Art. no. 340027).



16 Place 3x charcoal parts **No. 25** (= 3x Art. no. 340030).



17 Break the embers supplied in half and distribute the parts along the side on the grate (around the mesh grate).

Note: Do not place any embers on the mesh grate. Embers will block the light!

Note: Put no embers on or against the pilot light burner!



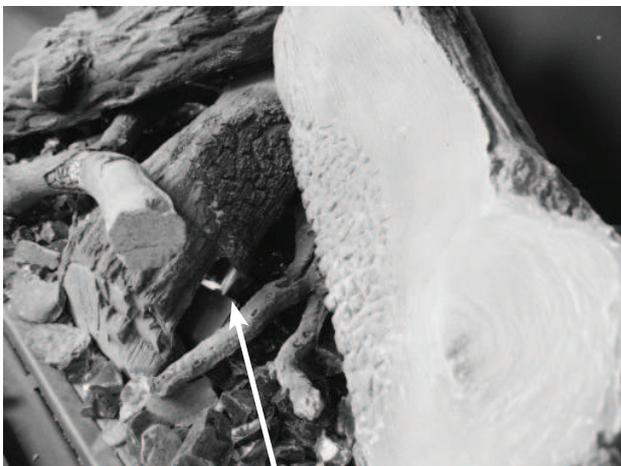
- 18 Decorative ash: Carefully distribute a small amount of decorative ash over the entire bottom.



- 19 Check that the pilot light burner is easily visible from the right hand side of the log set.



Pilot light position

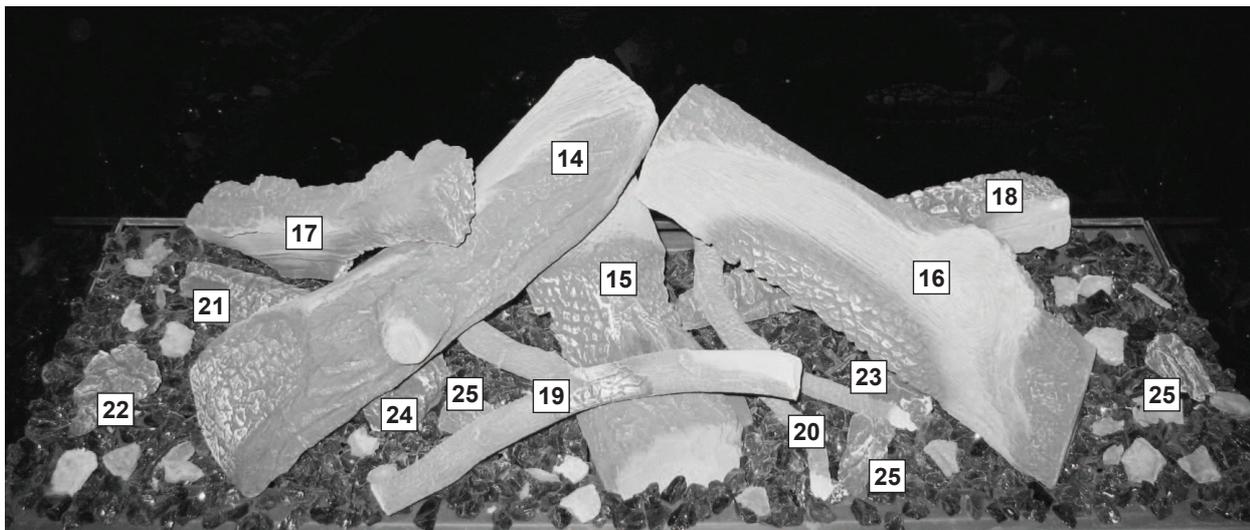


Pilot light



Pilot light

- 20 The ceramic log set construction, "fire glass", embers and decorative ash is completed.



**Figure 30: Log set**  
**Set-up of Natural gas and propane/butane burner - "Premium Fire"**

**IMPORTANT:**

- Do not put any "fire glass" or embers in front of the pilot light burner
- Do not sprinkle decorative ash on the pilot light burner
- Keep the burner orifices free
- Check that the pilot light burns properly
- The pilot light must be able to burn freely over the burner

Proper ignition of the main burner will only be guaranteed if this is the case!

When the ceramic logs, "fire glass" and embers have been placed, the glass can be assembled on the appliance once more in accordance with the specifications in Chapter 4: DISASSEMBLY / ASSEMBLY OF THE GLASS.

After the glass panel has been mounted again, the lower pillar and the two side pillars can be placed. Remove the foil carefully using scissors before placing the pillars. Attention: Cut the foil loose at the back of the ornamental pillars, in order to avoid damaging the pillars.

**Attention !!:** The ornamental pillars have been made from a fragile fireproof material that is vulnerable to scratches. Handle with care to avoid damage. Use gloves when placing them.

Placing Ornamental pillars:

- First place the bottom pillar.



- Then place the side pillars.

Attention: Turn the horizontal lid above the glass upwards in order to place the side pillars (see also the pictures in Chapter 4.1, point 2).



After the side pillars have been placed, turn the horizontal lid downward. Press the side pillars slightly outwards when turning the lid, in order to avoid damage.

### 1.7.6 Mounting flue gas restriction plate

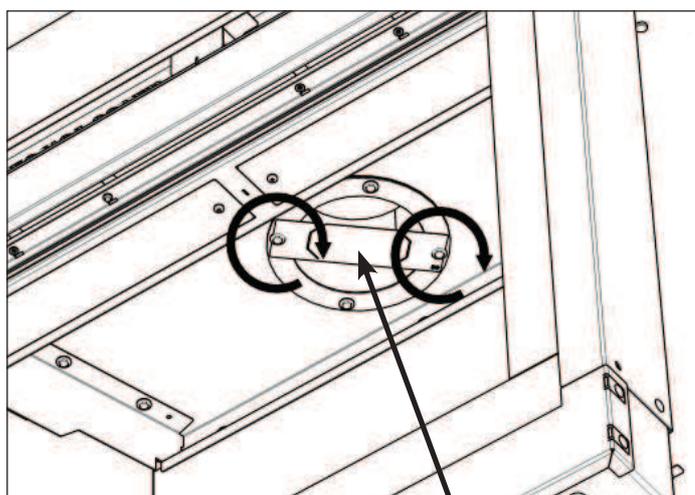
Depending on the length and shape of the concentric flue system and the chimney construction, you should, if indicated, fit a restriction plate with a certain width (B) into the ceiling of the combustion chamber.

To do this, see the set-up options as listed in figure 4 through 14.

**Important:**



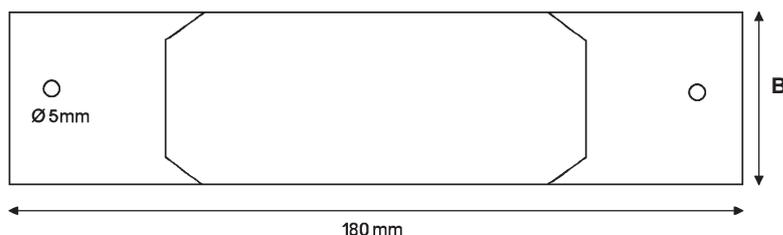
**Ensure that the correct flue gas restriction plate is mounted. Use of the correct flue gas restriction plate will provide optimum efficiency, flame effect and combustion. Mounting an incorrect flue gas restriction plate can result in damage to the gas fire.**



Assembly restriction plate

**Figure 31: Positioning restriction plate**

The following restriction plates are supplied:



Restriction plate:  
1: Width: B = 40 mm  
2: Width: B = 65 mm  
3: Width: B = 90 mm

### **1.7.7 Checking the appliance following installation**

After installation, visually check the gas flame. When the fire is ignited, the flames should be short and blue/yellow in colour. These flames should gradually increase in height and become more yellow. When all flames are yellow, the gas fire has reached the correct temperature.

THE GAS FIRE IS NOW READY FOR USE

## 2 MAINTENANCE

### 2.1 ANNUAL MAINTENANCE



It is **essential** that the appliance, the complete concentric flue system (where possible) and the outlet are cleaned and inspected **annually** by a recognised fitter/gas specialist. The safe operation of the appliance will thus remain guaranteed.

Maintenance consists of the following:

- Remove first the embers, vermiculite granules, logs set or pebbles from the main burner and carefully clean these with a soft brush.
- Clean and inspect (visually) the main burner, pilot light, combustion chamber, flue system and combustion air intake. Dust can be removed using a vacuum cleaner.
- Clean the glass on the inside of the appliance with glass spray or ceramic hob cleaner. This also applies to the black mirror rear wall and side panels, if the appliance is fitted with these.

**CAUTION !! :**



**If the appliance has anti-reflective glass, please follow the cleaning instructions in Chapter 4 of the “Operating Instructions and Daily Maintenance Manual” booklet. Failure to follow these instructions may result in damage to the anti-reflective glass.**

- After cleaning;  
Carefully replace the embers, vermiculite granules, logs set or pebbles on and around the main burner according to the installation directions in this instruction booklet.  
**Do not place any embers, vermiculite granules, logs or pebbles against the pilot light burner. Make sure that the pilot flame can burn at all times freely over the main burner. Only in this way is proper ignition of the main burner ensured. Ignoring these directions could lead to a dangerous situation.**

- 
- Check the gas supply, flue system, and combustion air supply route for leaks.
  - Check the correct operation of the gas regulator block, thermocouple circuit and the ignition of the main burner.
  - Check the gas inlet-pressure (both when the appliance is off and when it burns at maximum) and the burner pressure.
  - Check if the overpressure hatches are correctly positioned and check if the gasket seals are properly positioned under the hatches.
  - Check the complete concentric flue system including the outlet construction. A camera can be used to inspect the whole length of the flue gas outlet and the combustion air intake. Also check that all connections are secure.

### **3 FAULTS**

#### **3.1 POSSIBLE REASONS**

Possible reasons for the gas fire going out are:

- The concentric flue system is not installed according to one of the methods detailed in Paragraph 1.6.
- An incorrect “flue gas restriction plate” is fitted.
- The pilot light extinguishes if fumes are not exhausted or are insufficiently exhausted.
- The pilot light is either dirty or defective.
- Insufficient gas pressure.
- (Internal) leak of the concentric flue system.
- Thermocouple voltage is too low. This is usually caused by insufficient heating of the thermocouple by the pilot light.
- Dirty electrical contacts in the thermo-electrical system; for example, the thermocouple connection.
- Batteries in receiver or remote control are flat.

#### **3.2 SAFETY MEASURE IN THE APPLIANCE**

##### **3.2.1 Thermo-electric pilot light shut off**

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

##### **3.2.2 Over pressure safety system**

The appliance is fitted with a safety system, whereby hatches will extract any over-pressure that arises in a controlled way. In this, the hatches in the ceiling of the combustion chamber, briefly open. A loud noise can occur. A safety strip limits the maximum openings of the hatches.

If an over-pressure situation occurs, the appliance should be thoroughly checked by the installer.

## 4 DISMANTLING / ASSEMBLING OF THE GLASS, REGULATOR AND BURNER

### 4.1 DISMANTLING / ASSEMBLING OF THE GLASS

**ATTENTION:**

A layer of coating has been added to the glass on both sides. In order to avoid damage to the (inside and outside of the) glass, the use of hard (abrasive) sponges, steel wool, abrasive cleaning agents and cleaning agents with ammonia are prohibited.

The use of corrosive products and products with an abrasive ingredient, such as a ceramic cooker cleaning agent, is not allowed.

Read chapter 4 of the “Instructions and Manual for daily maintenance” for cleaning instructions for the glass.

- 1 Close the gas supply tap.
- 2 Turn the horizontal lid above the glass upwards. In order to avoid damage to the ornamental pillars, press them outward slightly when turning the lid.



- 3 Remove the left and right vertical ornamental pillars by grasping the top, tilting them inwards and taking them away.



- 4 Remove the bottom ornamental pillar.



Attention! : The ornamental pillars have been made from a fragile fireproof material. Remove carefully!!!

- 5 Turn the 3 wing nuts above the glass looser by turning a few times.  
Attention: Do not remove the wing nuts.



- 6 Support the glass so that it cannot tilt forwards and shove the steel strip (that was fixed with the wing nuts) upwards. There is a magnet above the strip. This magnet connects the strip after it has been shoved upwards. The glass panel can now be removed by lifting it a bit, shoving it to the corner and turning it outward.



Use working gloves to take the door out!

- 7 Shove the glass panel to the corner.



- 8 The glass panel is mounted again by performing the above-mentioned steps in reverse order again. Pay attention when placing the glass panel, that it falls into the 2 studs and only then fix it at the top with the steel strip.



Studs

## 4.2 DISASSEMBLY OF THE BURNERS

Carefully remove the log set, burners and mesh grates in the following order:

### 1. Complete log set 'Premium Fire'



### 2. Burner log No. 16



3. Log No. 17



4. Burner log No. 14



5. Branch No. 19



**6. Burner log No. 15**



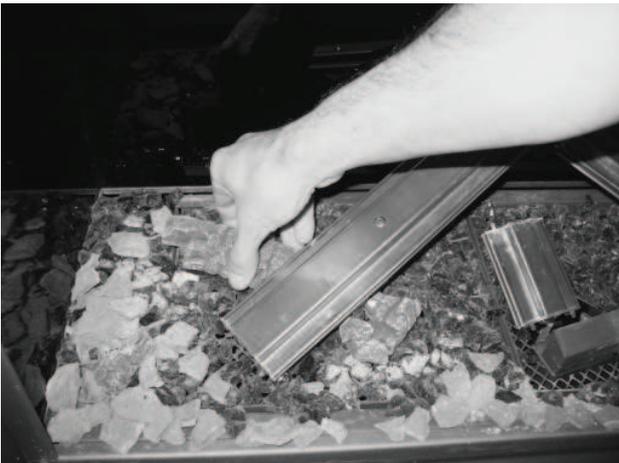
**7. Branch No. 20**



**8. Log No. 18**



9. Log No. 21



10. Charcoal part No. 24



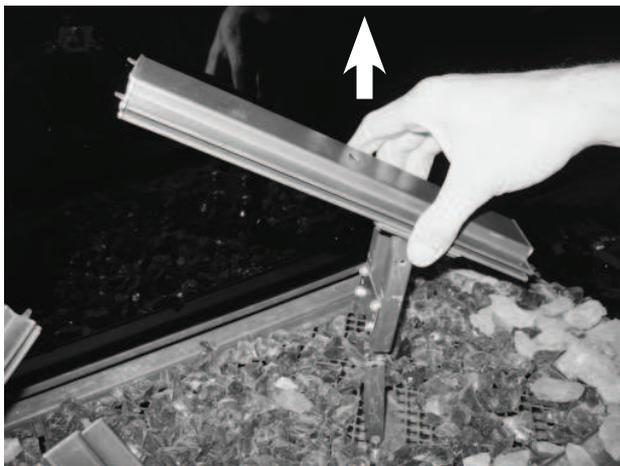
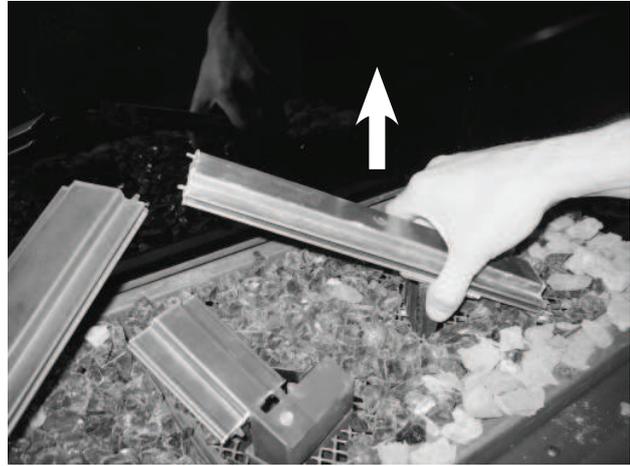
11. Charcoal part No. 23



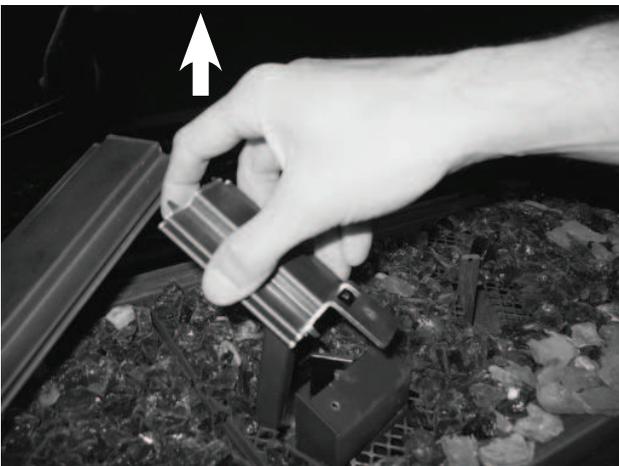
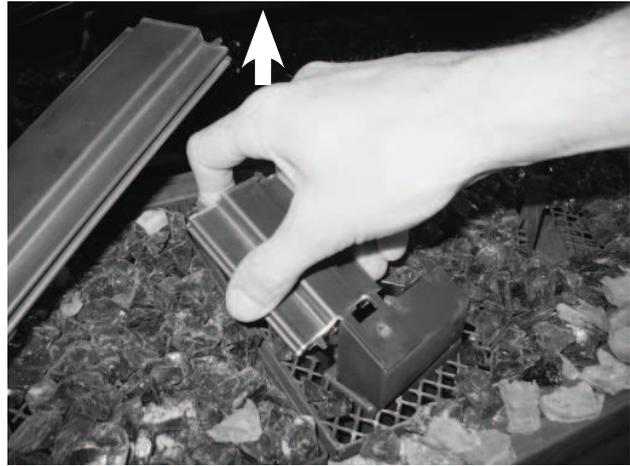
12. Charcoal part No. 25 (3x)

The three burners are all fixed with just one hexagonal bolt.  
When unscrewing the burner fixing bolts, use socket spanner no. 7.

**13. Disassemble and remove the burner - right.**

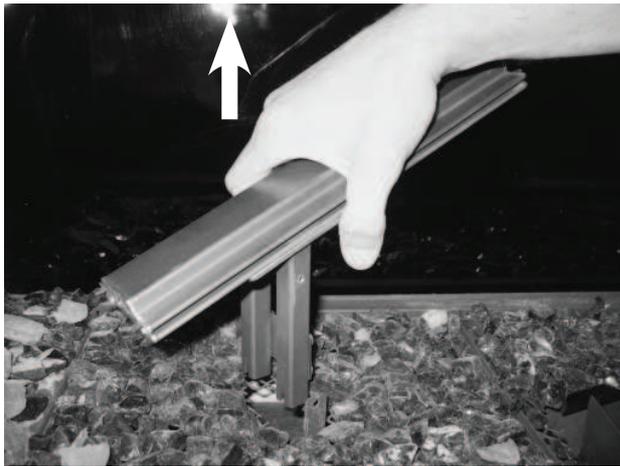


14. Disassemble and remove the burner - middle.



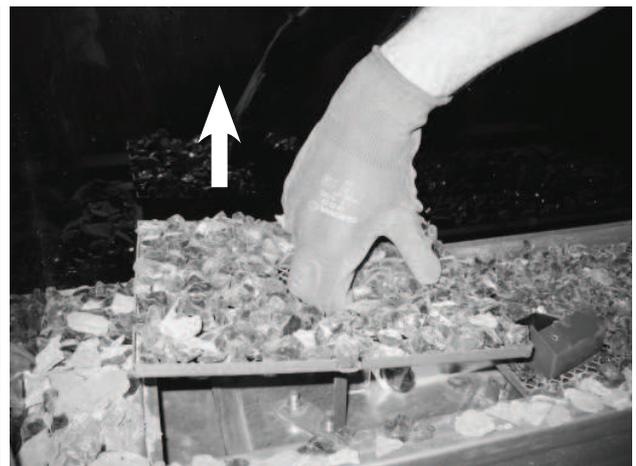
15. Disassemble and remove the burner - left.



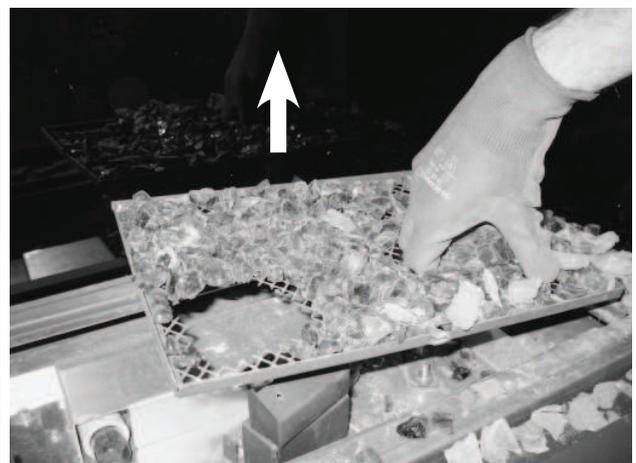


Use working gloves when removing the mesh grates.

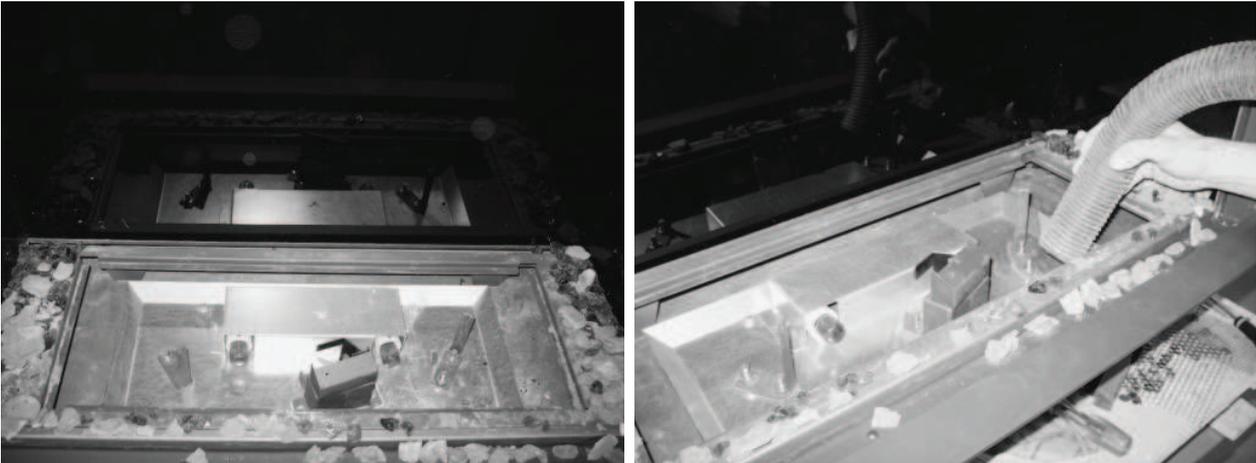
**16. Carefully remove the mesh grate - left.**



**17. Carefully remove the mesh grate - right.**



18. Clean the light compartment and gas injectors with a vacuum cleaner.

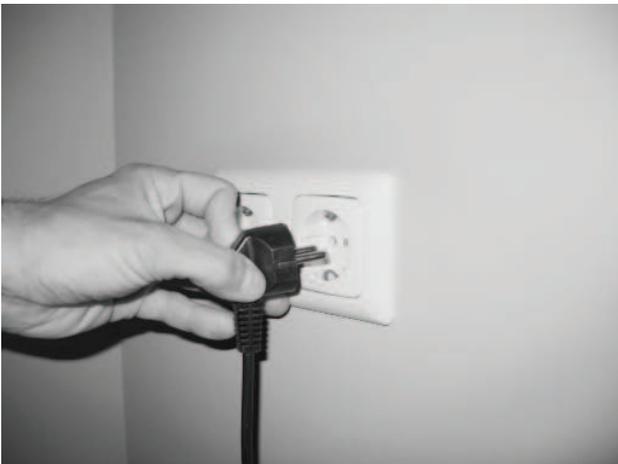


**Replacing the ambient lights.**

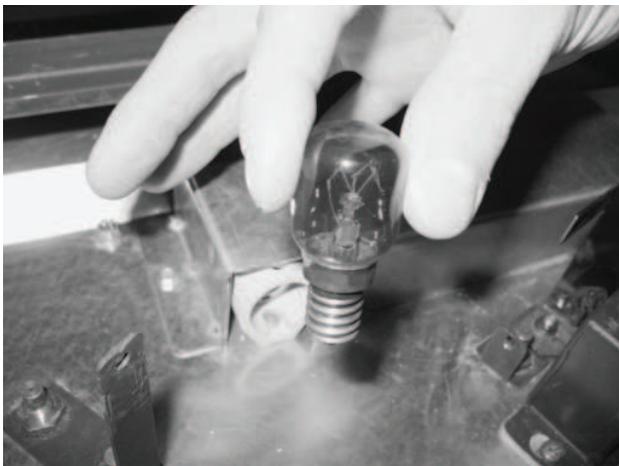
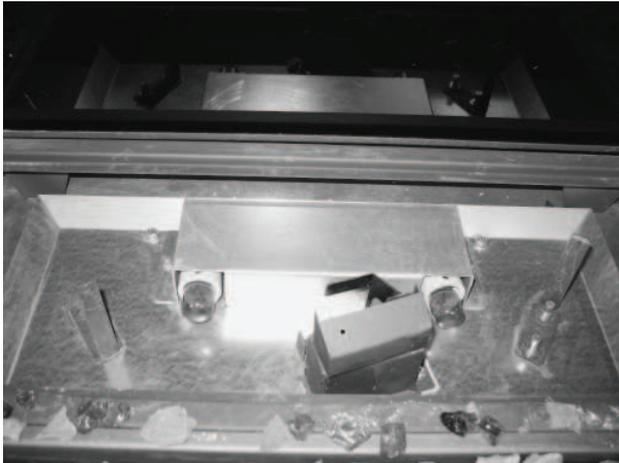
**Only use original Bellfires ambient lamps: Art. no. 333748:**

**Ambient lamp; 230-240V - 25W - E14 - 300°C. - Colour: Amber**

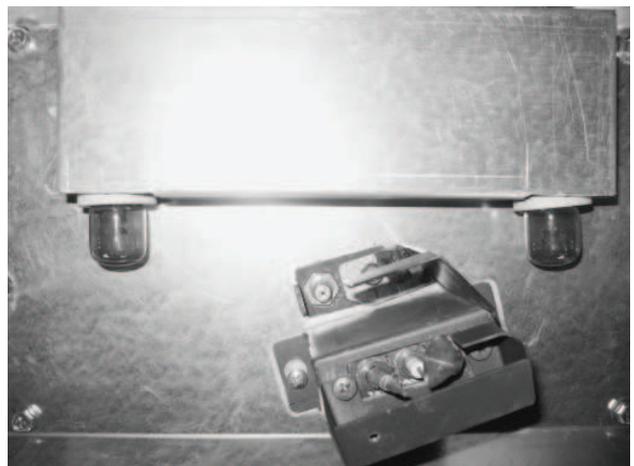
19. Remove the plug of the appliance from the socket.



20. Carefully unscrew the defective lamp from the fitting.



21. Carefully screw the new lamp into the fitting.



Screw the ambient lamps fully into the fitting!

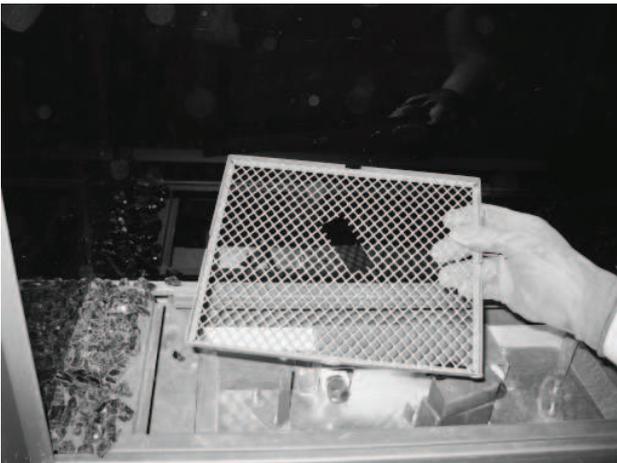
22. Replace the plug of the appliance into the socket.
23. Check the operation of the ambient lighting/dimmer with the remote control.  
See operating instructions;  Operation light / dimmer

**Carefully place the mesh grates, burners and log set in the following order:**

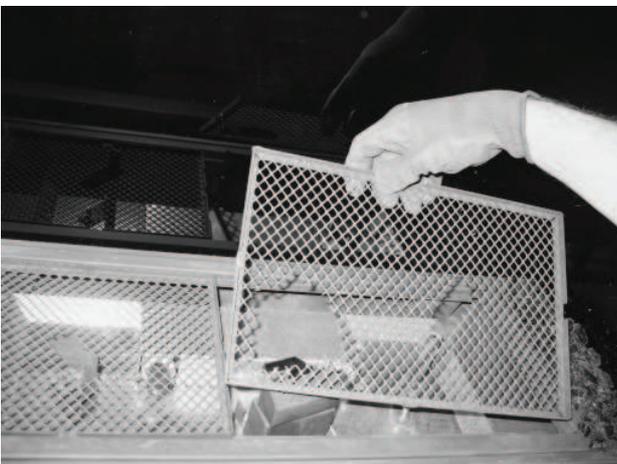


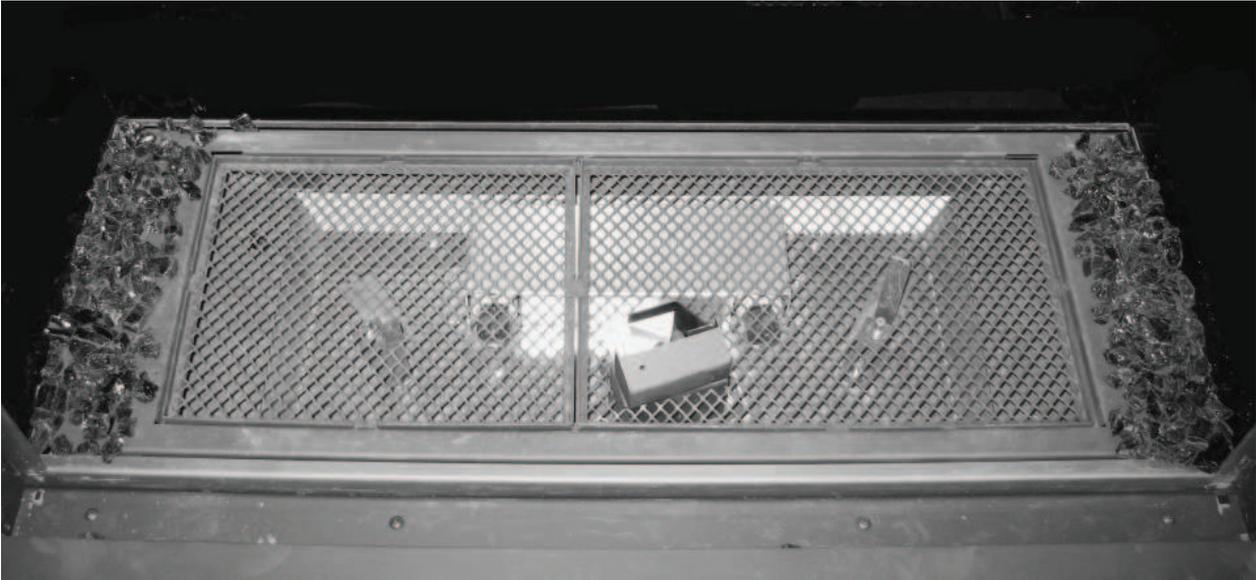
Use working gloves when placing the mesh grates.

24. Carefully place the mesh grate - left.



25. Carefully place the mesh grate - right.

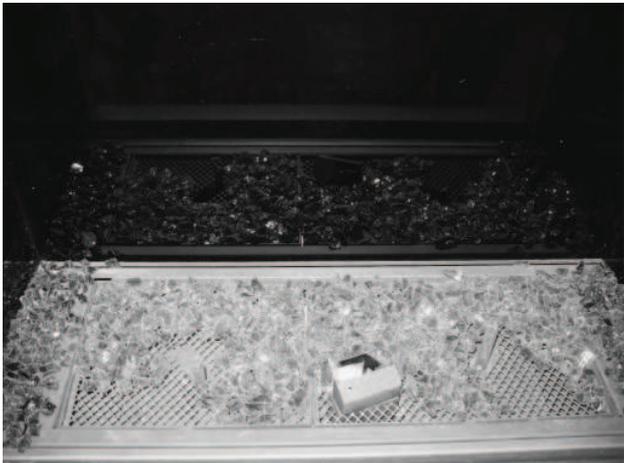




26. Sprinkle the "Fire glass Dark Amber" on the rear of the mesh grates.



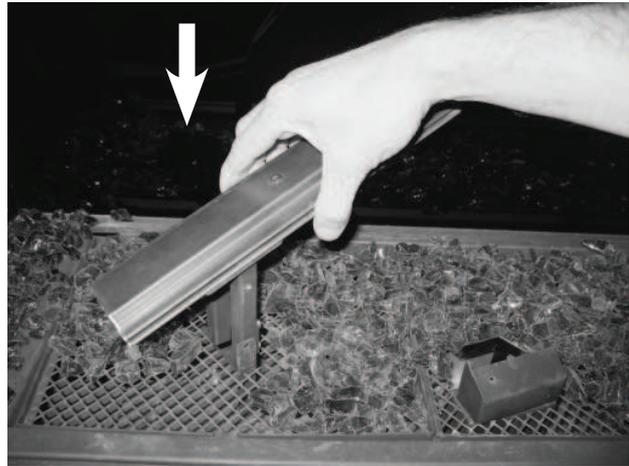
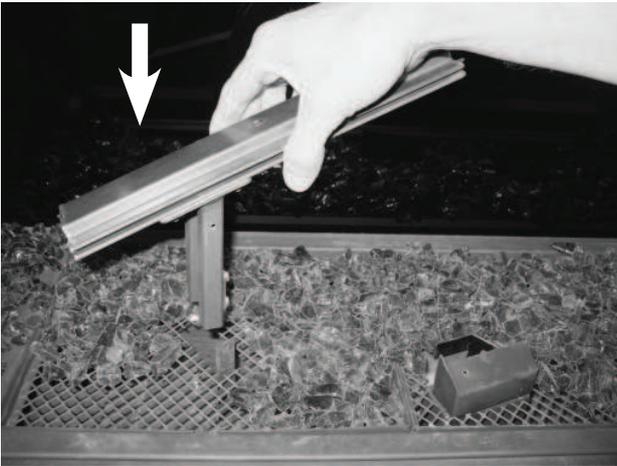
Do not let any "fire glass" fall in the grate apertures.





**Fix each burner with the hexagon bolt supplied.**  
**Use socket spanner no. 7 to do this.**  
**Not mounting these fixing bolts can give rise**  
**to a dangerous situation. Prevent this at all costs!**

27. Place and assemble the burner - left.  
Press the burner down firmly, and mount the fixing bolt.

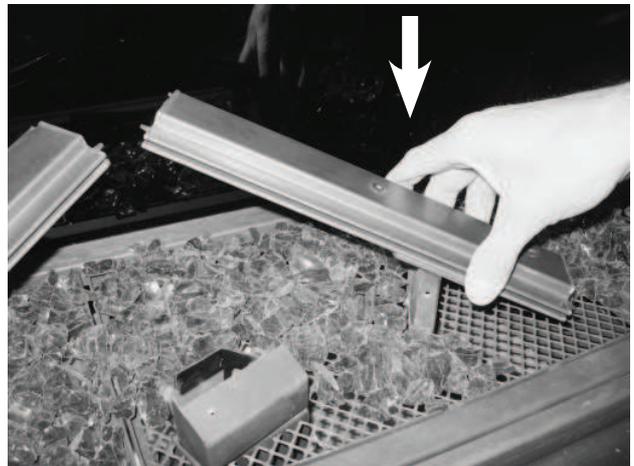
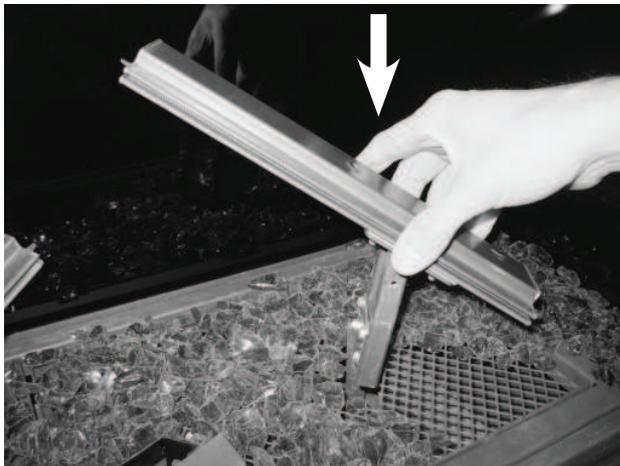




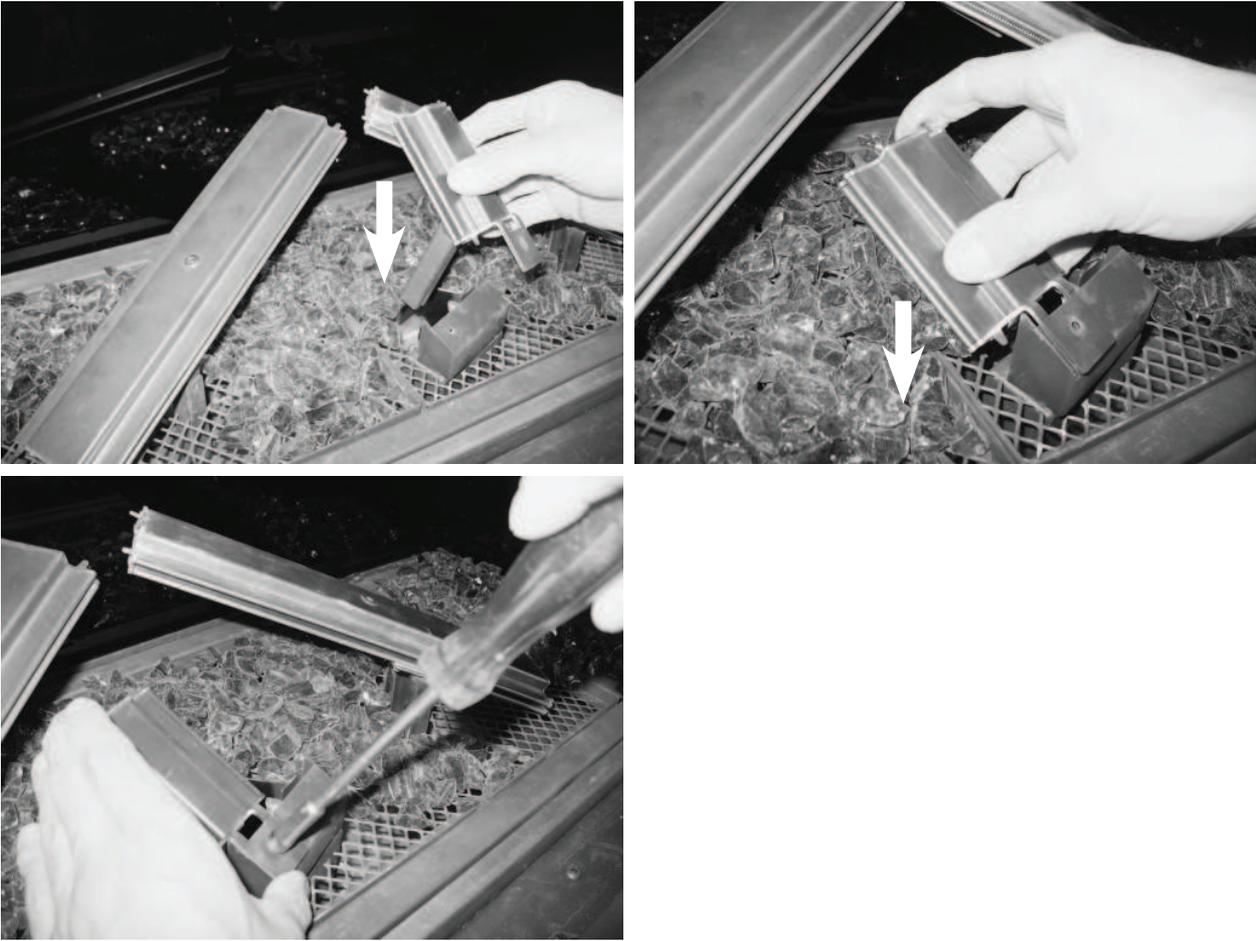
**Make sure that no "fire glass" parts are under the burner!  
The burner must be able to float above the mesh grate.**



- 28. Place and assemble the burner - right.  
Press the burner down firmly, and mount the fixing bolt.**

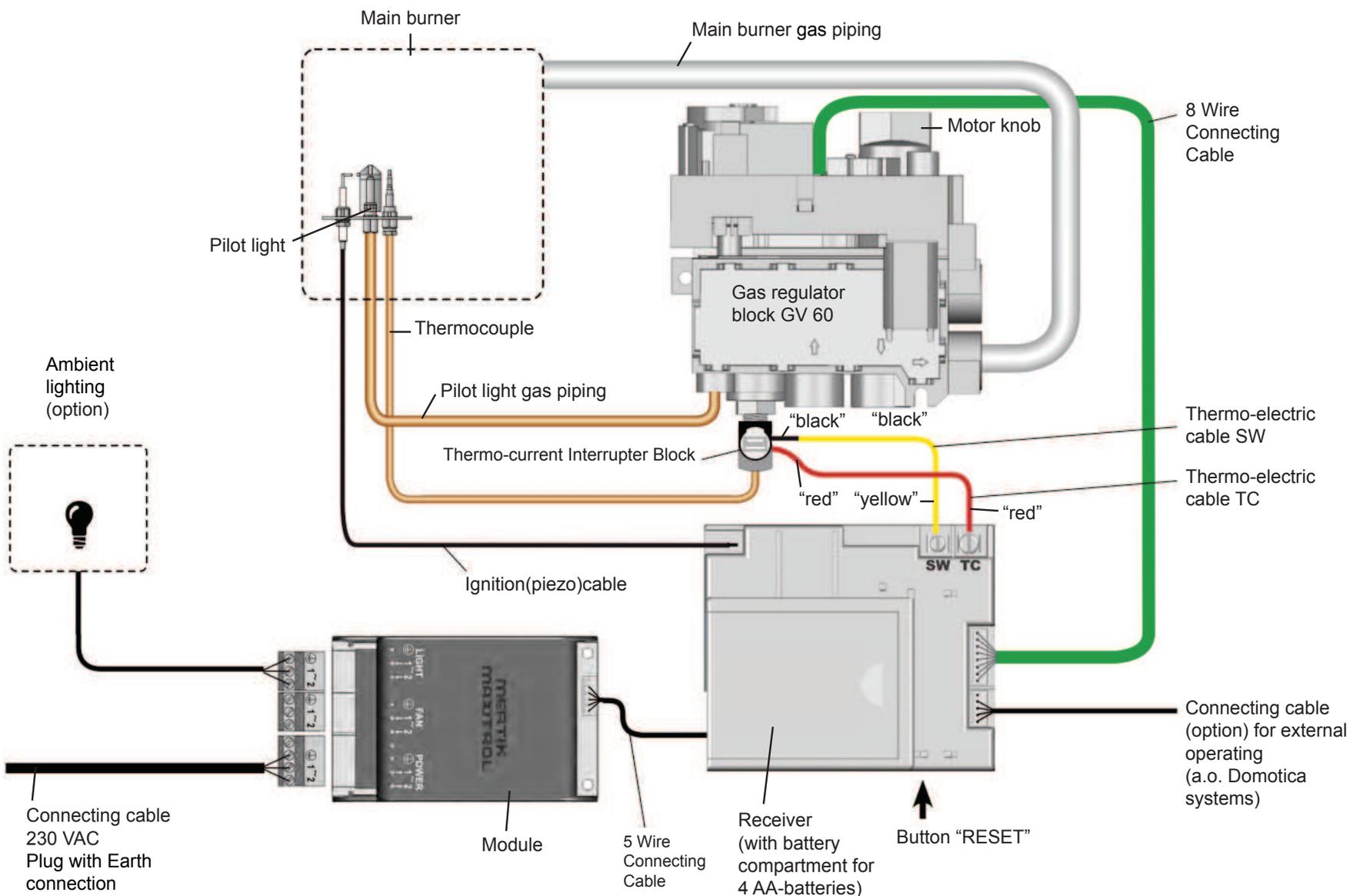


29. Place and assemble the burner - middle.  
Press the burner down firmly, and mount the fixing bolt.



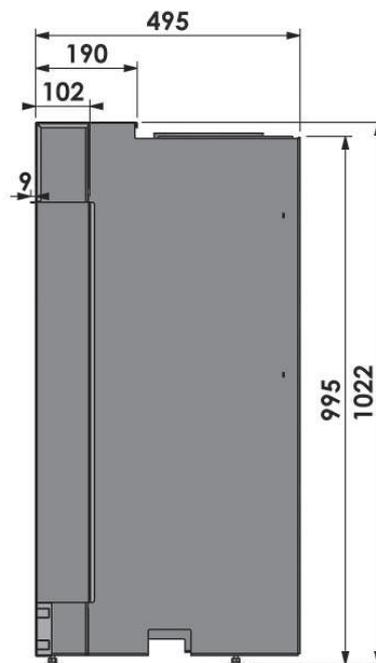
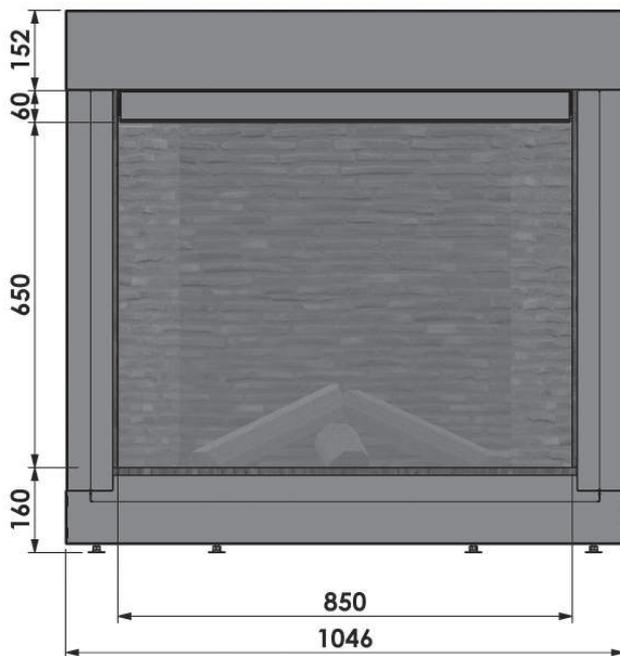
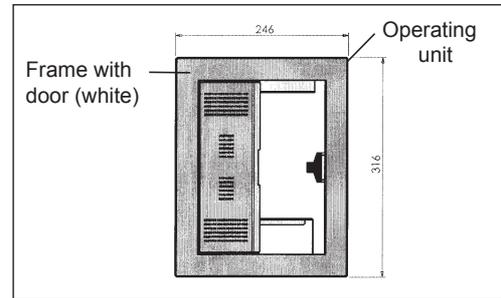
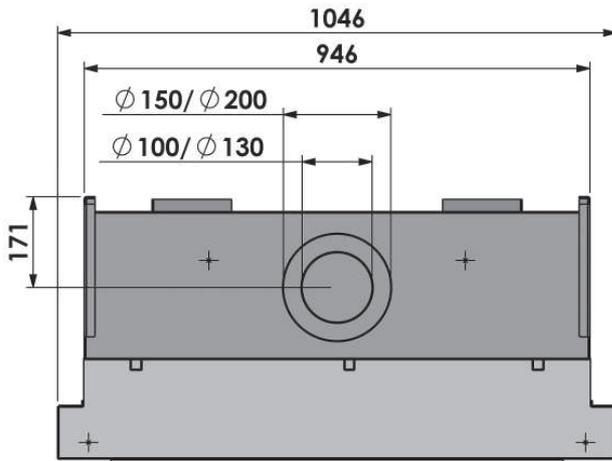
30. Place the Ceramic log set, 'fire glass', embers and decorative ash,  
as indicated in chapter 1.7.5.1

### 5 CONNECTING DIAGRAM



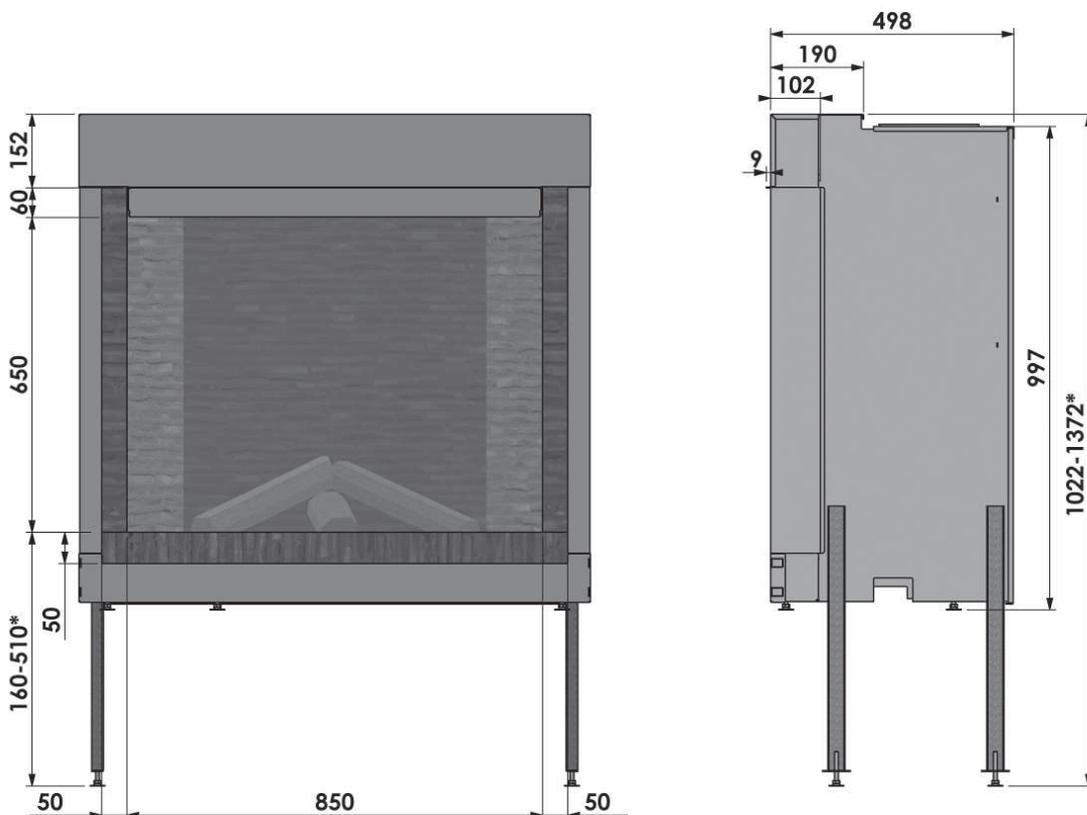
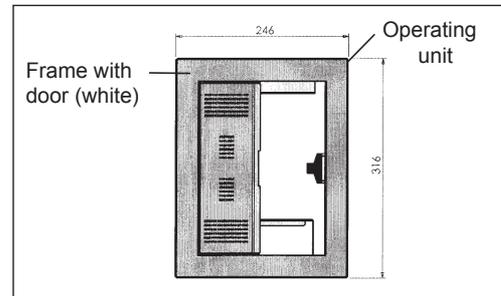
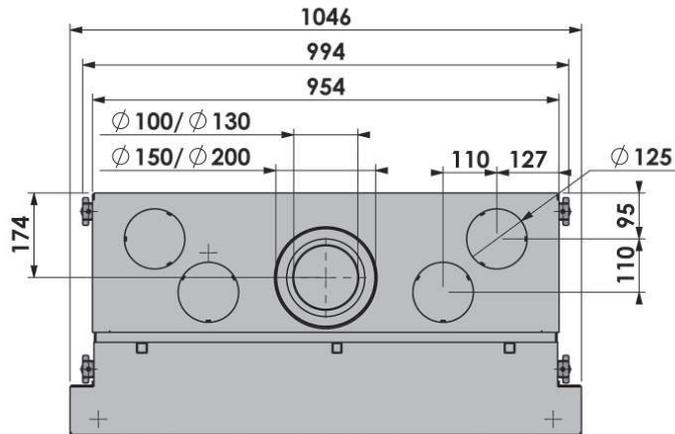
## 6 DIMENSIONS

### 6.1 CLASSIC BELL MEDIUM 3



## 6.2 CLASSIC BELL MEDIUM 3

- Fitted with the options: • Convection casing  
• High adjustable feet



\* With the high adjustable feet (option), the appliance can be installed till 350 mm above the floor.

## 7 TECHNICAL DETAILS/REGULATIONS

### National installation regulations:

- 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

<b>Model</b>	: CLASSIC BELL MEDIUM 3 PF (PREMIUM FIRE)	
<b>Gas</b>	: NATURAL GAS	: BUTANE / PROPANE
<b>Country</b>	: GB; Great Britain/IE; Ireland	: GB; Great Britain/IE; Ireland
Product identification no.	: 0063CM3684	: 0063CM3684
Appliance type acc. to CE standard	: C <sub>11</sub> / C <sub>31</sub> / C <sub>91</sub>	: C <sub>11</sub> / C <sub>31</sub> / C <sub>91</sub>
Appliance category	: I <sub>2H</sub> natural gas G20	: I <sub>3B/P</sub> butane/propane G30/G31
Nominal heat input (Gross calorific value)	: 12.1 kW	: Butane (G30) : 11.2 kW Propane (G31) : 9.6 kW
Nominal heat output	: 9.3 kW	: 7.4 - 8.6 kW
Efficiency class	: 1 (85%)	: 1 (85%)
NOx class	: 5	: 5
Gas rate (max.)	: 1.15 m <sup>3</sup> /hr.	: Butane (G30) : 850 gr/hr. Propane (G31) : 720 gr/hr.
Supply pressure	: 20.0 mbar	: Butane (G30) : 37.0 mbar Propane (G31) : 37.0 mbar
Burner pressure (max.) Hot	: 14.1 mbar(*)	: 29.0 mbar(*)
Burner pressure (max.) Cold	: 13.4 mbar(**)	: 29.0 mbar(**)
Burner pressure (min.)	: 2.5 mbar(***)	: 7.0 mbar(***)
Primary air inlet burner L <u>Left-Rear</u> and <u>Left-Front</u>	: LR: Ø6.0 mm LF: Ø3.5 mm	: LR: Ø14 x 8 mm LF: Ø14 x 8 mm
Primary air inlet burner M <u>Middle-Front</u>	: MF: Ø6.0 mm	: MF: Ø15 x 8 mm + 2x Ø3.5 mm
Primary air inlet burner R <u>Right-Rear</u> and <u>Right-Front</u>	: RR: Ø6.0 mm RF: Ø3.5 mm	: RR: Ø14 x 8 mm RF: Ø14 x 8 mm

<b>Model</b>	<b>: CLASSIC BELL MEDIUM 3 PF (PREMIUM FIRE)</b>	
<b>Gas</b>	<b>: NATURAL GAS</b>	<b>: BUTANE / PROPANE</b>
<b>Country</b>	<b>: GB; Great Britain/IE; Ireland</b>	<b>: GB; Great Britain/IE; Ireland</b>
Gas regulator block (remote control)	: Mertik GV 60	: Mertik GV 60
Main burner	: Premium Fire 600 x 240 mm	: Premium Fire 600 x 240 mm
Main burner injector L <u>Left-Rear</u> and <u>Left-Front</u>	: LR: Ø1.50 mm LF: Ø1.20 mm	: LR: Ø0.80 mm LF: Ø0.75 mm
Main burner injector M <u>Middle-Front</u>	: MF: Ø1.30 mm	: MF: Ø0.75 mm
Main burner injector R <u>Right-Rear</u> and <u>Right-Front</u>	: RR: Ø1.50 mm RF: Ø1.20 mm	: RR: Ø0.80 mm RF: Ø0.75 mm
"Front Burner" = LF + MF + RF "Rear Burner" = LR + RR		
Pilot light burner	: SIT 0.145.019	: SIT 0.145.019
Pilot light burner injector	: no. 36 (SIT 0.977.091)	: no. 23 (SIT 0.977.150)
Gas connection	: 3/8" G / Ø12 mm	: 3/8" G / Ø12 mm
Concentric flue system connection	: Ø100 mm - Ø150 mm or Ø130 mm - Ø200 mm	: Ø100 mm - Ø150 mm or Ø130 mm - Ø200 mm
Remote control batteries		
- Receiver	: N/A	: N/A
- Hand transmitter	: 2x 1,5V AAA	: 2x 1,5V AAA
Electrical connection	: 230 VAC / 50 Hz	: 230 VAC / 50 Hz
Electrical power consumption	: 50 W (max.) / IP 20	: 50 W (max.) / IP 20
Weight		
- Basis model	: 134 kg	: 134 kg
- Including all options	: 152 kg	: 152 kg

(\*) : All burners at maximum setting and appliance at the required temperature.

(\*\*) : All burners at maximum setting and appliance cold.

(\*\*\*) : All burners at minimum setting.

Flue gas exhaust and combustion air supply:

Roof termination : Concentric flue system Ø100 mm-Ø150 mm rigid and/or flexible.

Wall termination : Concentric flue system Ø130 mm-Ø200 mm rigid.

With wall outlet, depending on the flue construction; Ø100 mm-Ø150 mm or  
Ø130 mm-Ø200 mm.

Heat exchanging surface: Entire front of the appliance.

## 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.

No	Part no	Description
1	3.....	Main burner "Premium Fire" 600 x 240 mm <u>Natural gas G20 / Butane/Propane G30/G31</u> G20:     Ø6.0 mm Left-Rear Ø3.5 mm Left-Front Ø6.0 mm Middle-Front Ø6.0 mm Right-Rear Ø3.5 mm Right-Front
2	3.....	G30/G31: Ø14x8 mm Left-Rear Ø14x8 mm Left-Front Ø15x8 mm + 2x Ø3.5 mm Middle-Front Ø14x8 mm Right-Rear Ø14x8 mm Right-Front
3	301915	Main burner injector <u>Natural gas</u> ; Left-Rear: Ø1.50 mm
4	334874	Main burner injector <u>Natural gas</u> ; Left-Front: Ø1.20 mm
5	301928	Main burner injector <u>Natural gas</u> ; Middle-Front: Ø1.30 mm
6	301915	Main burner injector <u>Natural gas</u> ; Right-Rear: Ø1.50 mm
7	334874	Main burner injector <u>Natural gas</u> ; Right-Front: Ø1.20 mm
8	340430	Main burner injector <u>Butane/Propane</u> ; Left-Rear: Ø0.80 mm
9	340431	Main burner injector <u>Butane/Propane</u> ; Left-Front: Ø0.75 mm
10	340431	Main burner injector <u>Butane/Propane</u> ; Middle-Front: Ø0.75 mm
11	340430	Main burner injector <u>Butane/Propane</u> ; Right-Rear: Ø0.80 mm
12	340431	Main burner injector <u>Butane/Propane</u> ; Right-Front: Ø0.75 mm
13	333605	Module 230V AC (Light)
14	333912	Fuse T 2.5A 250V Module
15	333606	5-Pole cable Receiver - Module
16	333748	Ambient lighting lamp 230V AC, E14, 25W
17	340469	Log set (14 part) <u>Natural gas / Butane/Propane</u> incl. embers and decorative ash
18	340089	'Fire Glass' Dark Amber (2.5 kg)
19	340091	'Fire Glass' Black (1.0 kg)

No	Part no	Description
20	302416	Gas regulator block; GV 60 (M10 Thermocouple connection)
21	302083	Plug 3/8 GV 60
22	302084	Nut Ø8 mm for burner supply GV 60
23	302089	Olive Ø8 mm for burner supply GV 60
24	302085	Nut Ø12 mm for burner supply GV 60
25	302090	Olive Ø12 mm for burner supply GV 60
26	302086	Cut-off nipple Ø4 mm GV 60
27	302067	Cable (sw): Receiver - Thermocouple interrupter, L = 500 mm
28	302150	Switch with short length of cable to thermocouple interrupter and long length of cable (tc), L= 500 mm, to receiver
29	326287	Hand-held transmitter: Display screen: Temperature and two programmes
30	326288	Receiver GV 60
31	302068	8 Wire connecting cable L = 500 mm
32	321777	Piezo electrode + cable, $\nabla$ 2.8 x 0.8 mm, L = 1500 mm
33	321926	Thermocouple M10 - 1500 mm
34	301970	Thermocouple interrupter M10
35	302059	Pilot light set outer casing; SIT 0.160.022
36	301976	Pilot light nut; Ø4 mm
37	301977	Pilot light olive; Ø4 mm
38	301974	Pilot light injector <u>Natural gas</u> ; no 51
39	301921	Pilot light injector <u>Butane/Propane</u> ; no 30
40	302062	Nut piezo electrode
41	302061	Pilot light packing SIT no 160 series
42	322552	Pilot light pipe; Ø4 mm, L = 1500 mm, Flexible, Stainless steel
43	325750	Burner pipe; Ø8 mm, L = 1500 mm, Flexible, Stainless steel - 10 kW+
44	342648	Glass Classic Bell Medium 3
45	301593	Black fibre glass tape 15 x 3 mm, adhesive
46	319664	Black fibre glass tape 30 x 2 mm, adhesive
47	342641	Left inner side panel - red
48	342642	Right inner side panel - red
49	342643	Rear panel bottom - red
50	342644	Rear panel top - red
51	342647	Left side pillar - red
52	342645	Right side pillar - red
53	342646	Bottom threshold - red

## Logs - 'Fire Glass' - Embers - Decorative Ash

Appliance	Log set Art.no: 340469															'Fire Glass' Dark Amber	'Fire Glass' Black
	Set	Log no												Embers with Glow-effect Anthracite	Decorative ash light grey		
		14	15	16	17	18	19	20	21	22	23	24	25	Bag: 50 gr.	Bag: 10 gr.	Bag: 2.5 kg.	Bag: 1.0 kg.
Classic Bell Medium 3 PF	Art. no:	340019	340020	340021	340022	340023	340024	340025	340026	340027	340028	340029	340030	xxxxxx	340031	340089	340091
	Number	1x	3x	1x	1x	1x	1x										

## 9 DISPOSING OF PACKAGING AND APPLIANCE

The appliance comes in recyclable packaging.

This can include:

- Cardboard
- Wood
- Plastic
- Paper

Such materials must be disposed of responsibly, in line with local regulations.

Batteries should be disposed of as chemical waste. Batteries must be disposed of responsibly, in line with local regulations.

The authorities or fitter can provide you with information on responsible disposal of obsolete appliances.

**bellfires.** gas fires

**Your Bellfires dealer**

01 - 010717 - 342659