



## Trimline Opal 1121

### INSTALLATION INSTRUCTIONS

For other languages, download the manual, open it in Acrobat Reader and choose the desired language with the buttons on the bottom side of this page.



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V130323



# 1 GENERAL INSTRUCTIONS

## NOTE

The installation may only be carried out by an authorised person.

- The appliance must be installed, connected, inspected and serviced as a closed appliance by a qualified fitter, according to local standards and regulations.
- The flue tube system and the outlets in the outer wall or roof face must also meet the requirements outlined in the applicable local standards and regulations.
- The temperature of the walls near the side and back of the appliance may not exceed the ambient temperature by 60 K or more. For example, ambient temperature 20 °C, maximum increase of 60 K gives a maximum temperature of 80 °C.
- The appliance has been approved in combination with the concentric flue system THC/Holetherm in accordance with European CE standards for gas appliances, and may therefore only be applied with this system.
- The appliance needs to be inspected by the fitter for local gas distribution (gas type and gas pressure) as indicated on the identification plate.
- The instructions are only applicable if the relevant country code is stated on the appliance.
- There will be air in the gas pipes when the appliance is first used. The gas supply pipes therefore need to be vented

first. The glass panel must not be in place when venting and igniting the first time.

- Ignite the appliance according to the user manual and check the flame is burning evenly. After the appliance has been used for the first time, any deposits resulting from curing must be removed from the glass panel using a glass cleaner made specifically for fireplaces.

### Distance to flammable materials

Maintain the following minimum distances from combustible materials: front 500mm, side 500mm, top 1200mm to curtains, fabrics and/or combustible material. Maintain a minimum distance of 50mm from the back wall.

### Distance to non-flammable materials

The appliance needs to be placed a minimum distance of 25mm from the wall unless stated otherwise in these instructions.

## WARNING

- Gas fires become hot when in use. After installation of the appliance, the glass panel surface is considered to be an active zone. The glass panel surface can become very hot.
- Therefore, you should take care by, for example, keeping children and those requiring help away from the immediate vicinity of burning fires. Gas fires must not be placed on or against flammable materials.

# 2 PLACING THE APPLIANCE

## NOTE

Before installing the appliance, please read Chapter 8 *Concentric flue system*.

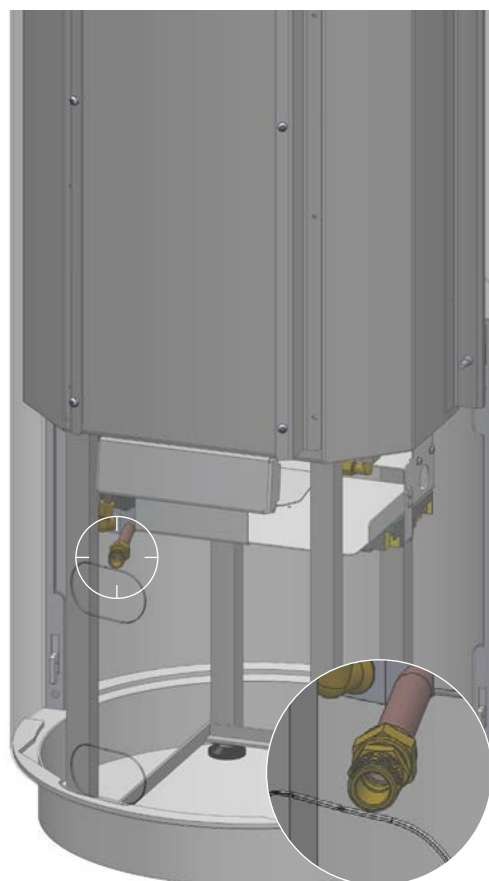
### Option

If you want to install an LED glow bed module, first review Chapter 11 *Installing the optional LED glow bed module*.

## 2.1 Preparation and installation

- Check the packaging for damage. Remove the packaging and check the contents are intact and complete. Report damage and defects to the supplier immediately.
- The packaging contains the following components:
 

- Appliance	- restrictor
- Remote control	(rear connection)
- Ceramic wood set	- baffle plate
- dispersion medium	(rear connection)
(glass granules and coal embers)	- 4 x AA battery
- restrictor	- 2 x AAA battery
(top connection)	- Installation instruction
	- User Manual



3/8" connection point

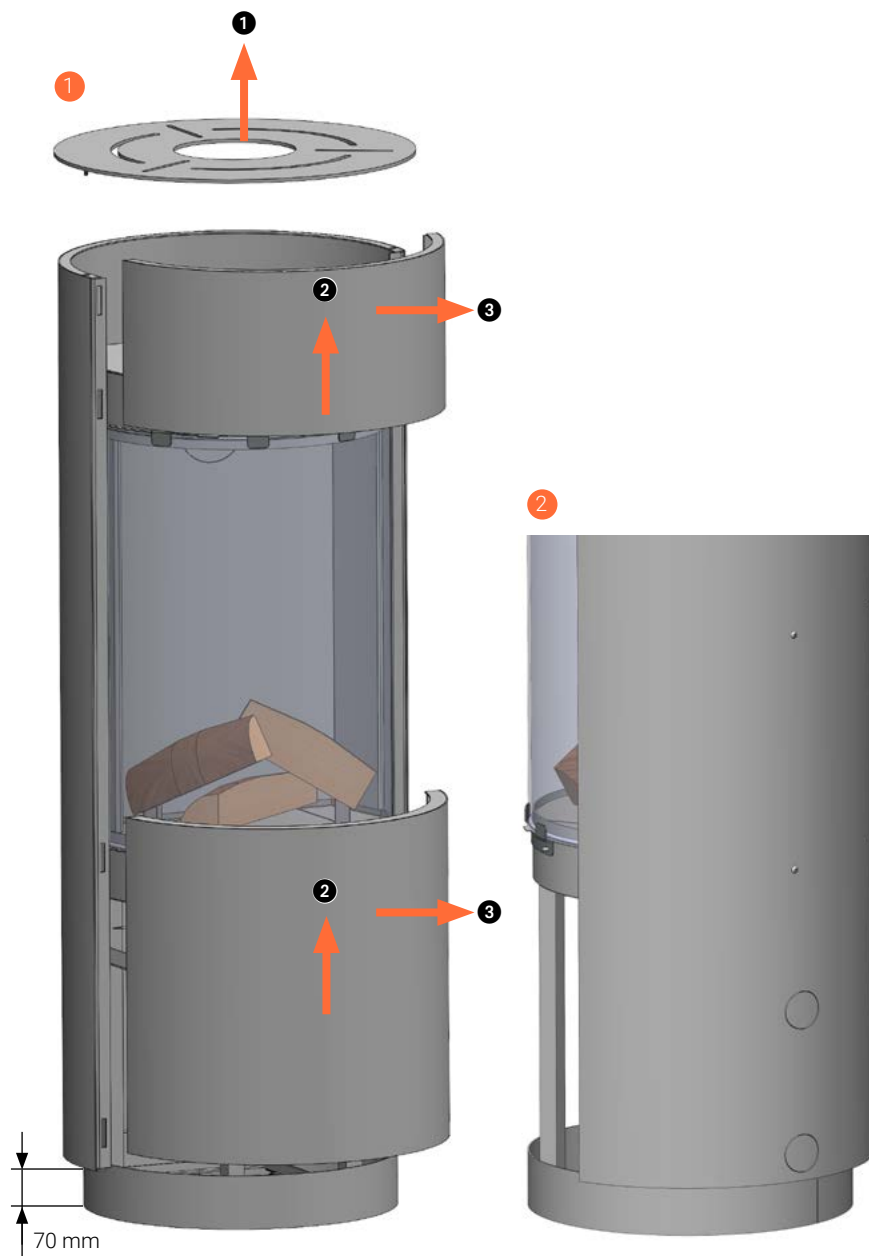
**NOTE**

Do not start the installation until you have read and understood the installation instructions.

- Do not place the appliance on its side.
- Place the appliance on a stable surface. Remove the glass panel (see Paragraph 2.4 *Glass panel removal*) so you can take out the packaged parts. Check it for damage and defects.

## 2.2 Cover removal

**1**  
Lift the lid and support it if necessary, for example with a small length of wood **1**. Remove the upper and lower covers from the mantle. These are both attached with 4 hooks per cover. Slide the cover upwards first **2** and then pull it down **3**. Both the upper and lower covers can be removed. Put the gas fire in its place, keeping a distance of at least 50mm away from the wall at the rear. Use the adjustable feet to ensure the appliance is level. Adjust the height between the mantle and the floor to 70mm.



## 2.3 Connection to the gas supply pipes

- You can determine where the gas supply pipes will be placed, dependent on the layout. Ensure control equipment is not twisted during installation and there is no excessive tension. Accessibility of various connection points in relation to components needs to be maintained. After installation, check the connections are gas-tight. Use a 3/8" gas tap with a connector. Also ensure the gas supply pipe is free from dirt or sand. To prevent damage to the gas control equipment, the gas connection must be isolated from the electrical power.
- At the rear, one of the two breakout plates can be removed, if necessary, to feed in the gas supply pipe. **2** The concentric pathway can then be put in place, see Chapter 7 *Concentric pathways* and 8 *Concentric flue system*.
- Ignite the appliance for the first time without a glass panel. Check all the gas connections for leaks again. You can then switch the appliance off and put the ceramic wood set in place (see Chapter 3 *Installation of the ceramic wood set and dispersion medium*).



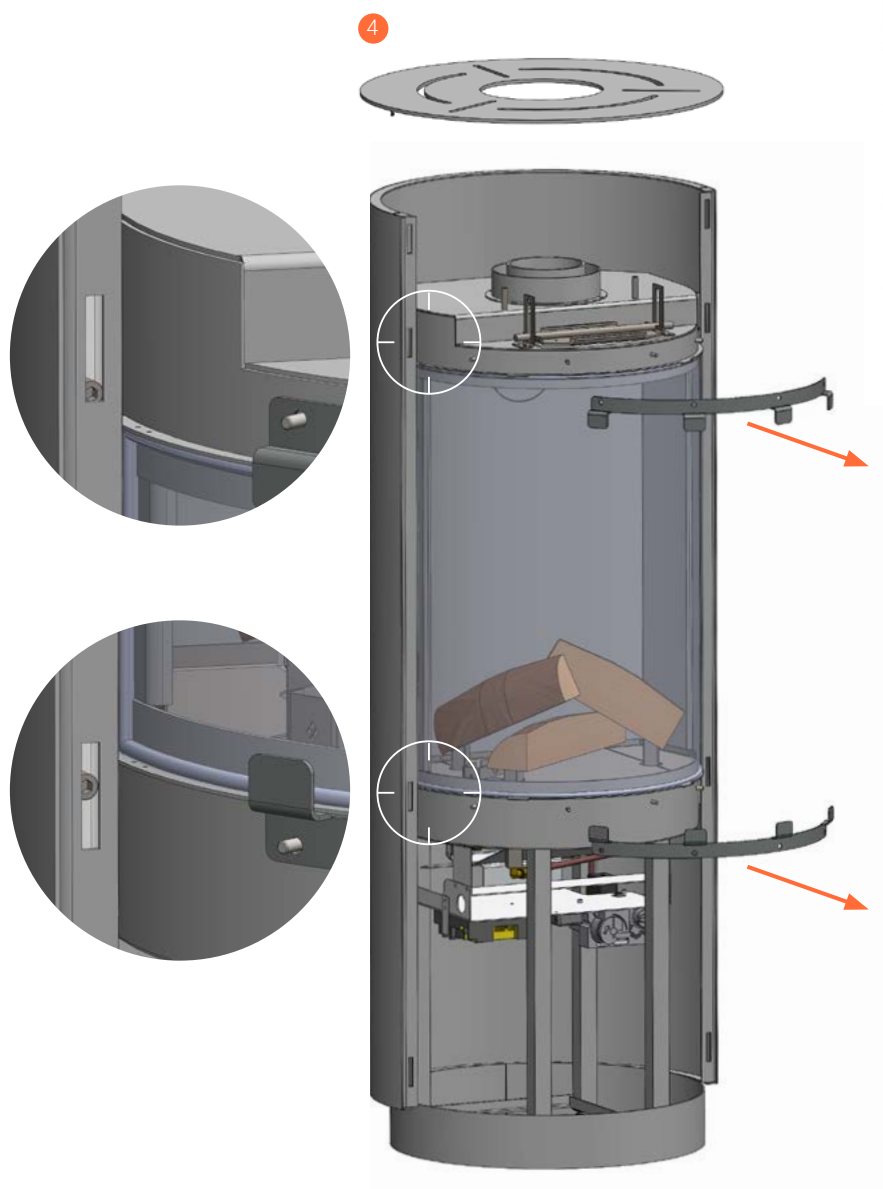
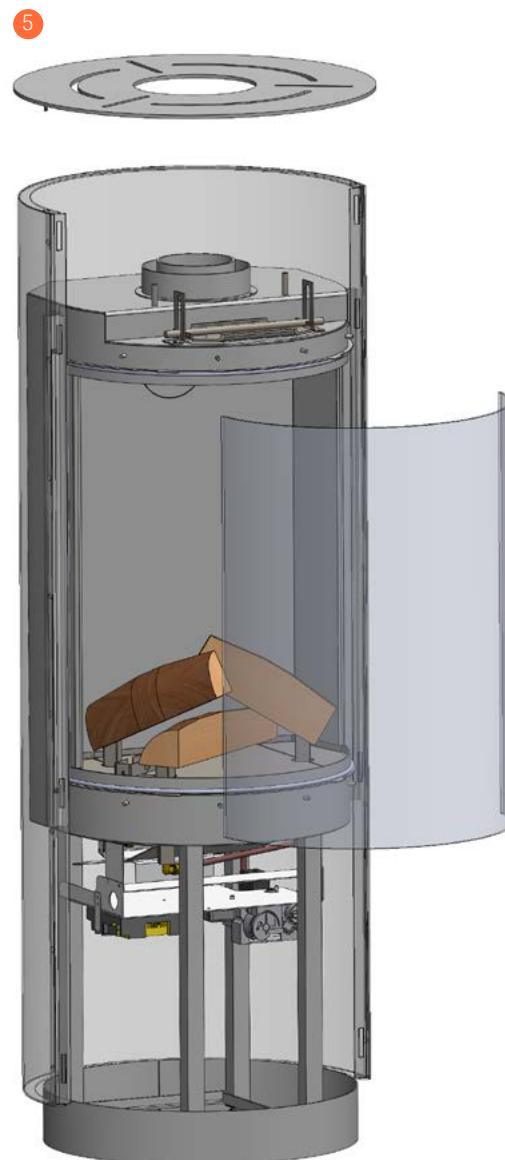
## 2.4 Glass panel removal

To remove the glass panel, the lower and upper covers must be removed, paragraph 2.2 *Cover removal*.

- Loosen the four bolts on the vertical glazing bars. 4 They can be accessed through the slotted holes to which the covers attach. Loosen the bolts (2 on the left and 2 on the right) a few turns, but do not remove them!
- Remove the glazing bars at the bottom and top by removing the 8 nuts. 4
- Carefully remove the glass panel, by pulling it directly forward. Do not tilt the glass panel to avoid damaging the corners. 5

### NOTE

If the dismantled glass panel is damaged (scratches and/or damaged edges) do not use the glass panel; notify the supplier.



## 2.5 Connection of the concentric flue system

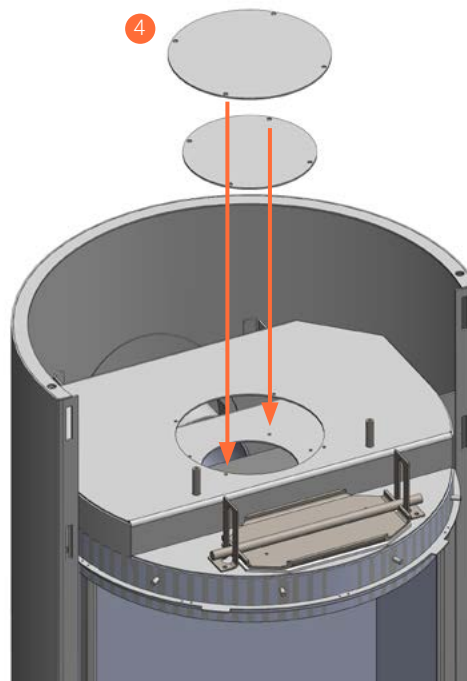
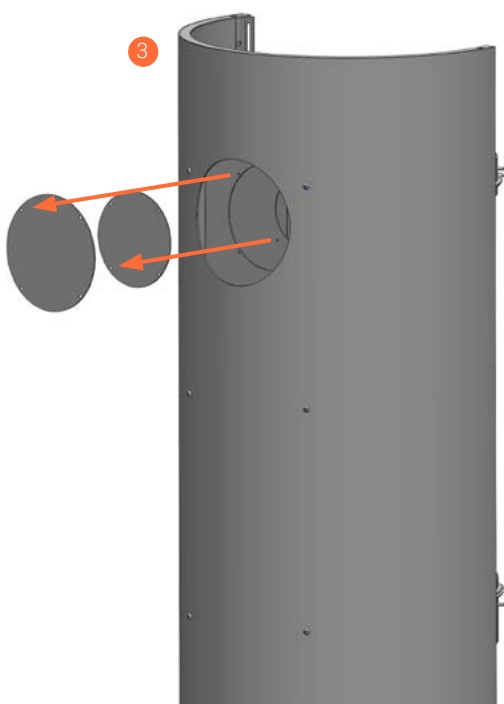
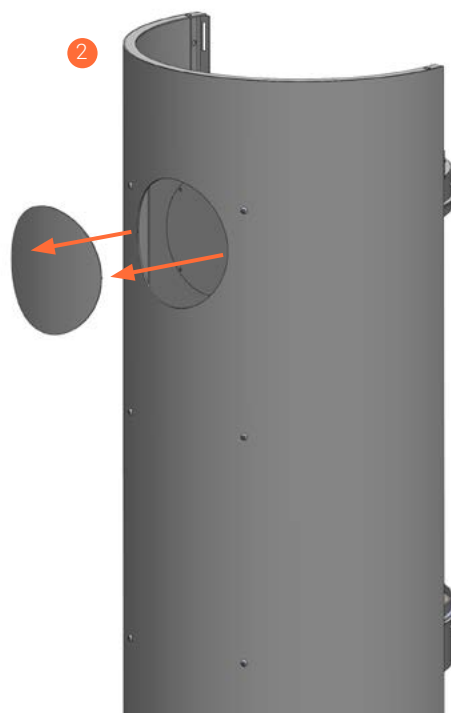
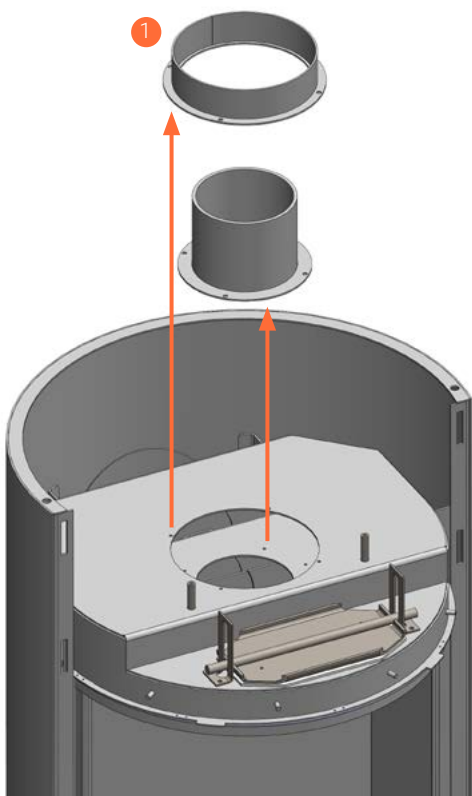
As standard, the appliance is equipped with a top connection for the concentric flue system. If you intend to use the top connection, proceed to paragraph 2.6 *Restrictor and baffle plate*.

Optionally, the concentric flue system can also be connected to the rear.

Proceed as follows to convert the unit to this arrangement:

- Remove the glass panel, see paragraph 2.4 *Glass panel removal*.

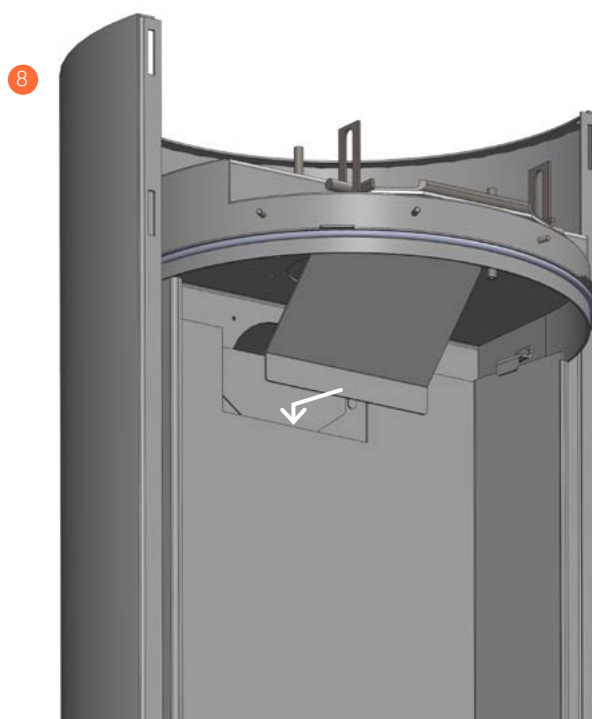
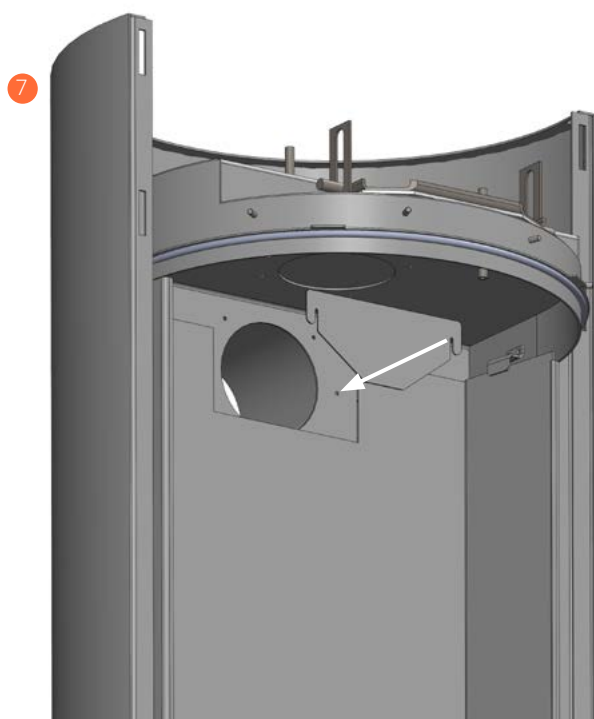
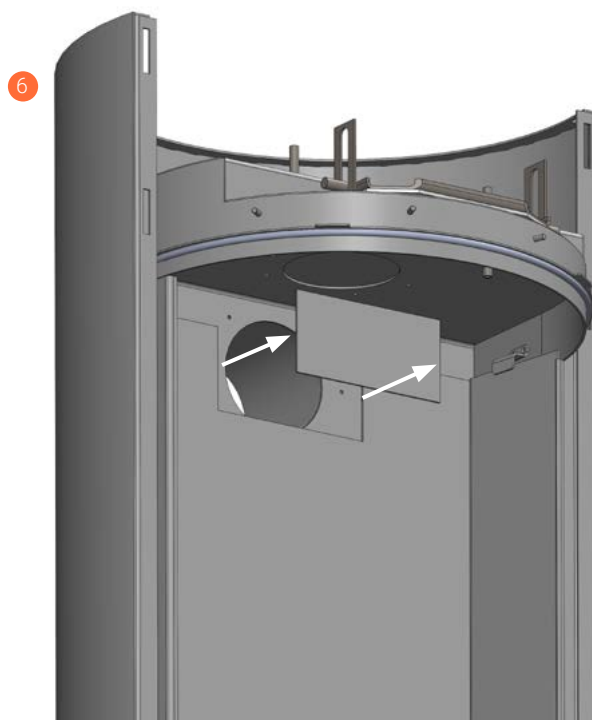
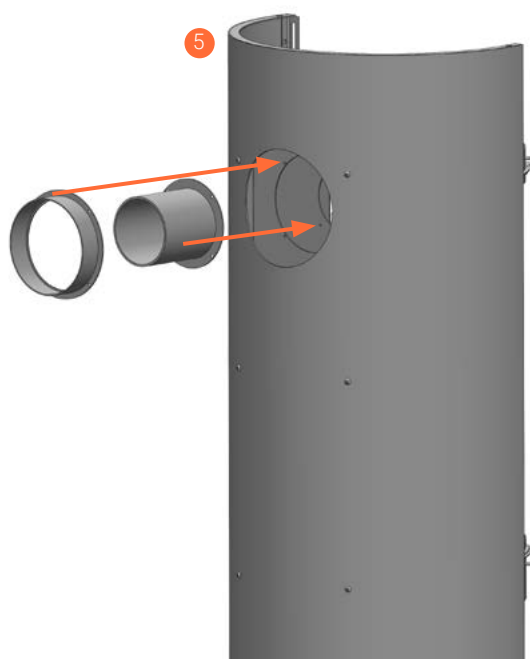
- If necessary, remove the baffle and restrictor, see paragraph 2.6 *Restrictor and baffle plate*.
- Remove the air supply stub and the (short) flue gas exhaust stub. **1**
- Remove the breakout plate from the rear wall. **2**
- Remove both cover plates from the rear wall. **3**
- Place the cover plates over the flue gas exhaust and air supply openings at the top. **4** Use the seals provided with the plates.



- Place the supplied (long) flue stub with the assembled seal on the rear. **5**
- Place the air supply stub with seal on the rear. **5**

At the front, the baffle plate and possibly the restrictor still need to be installed:

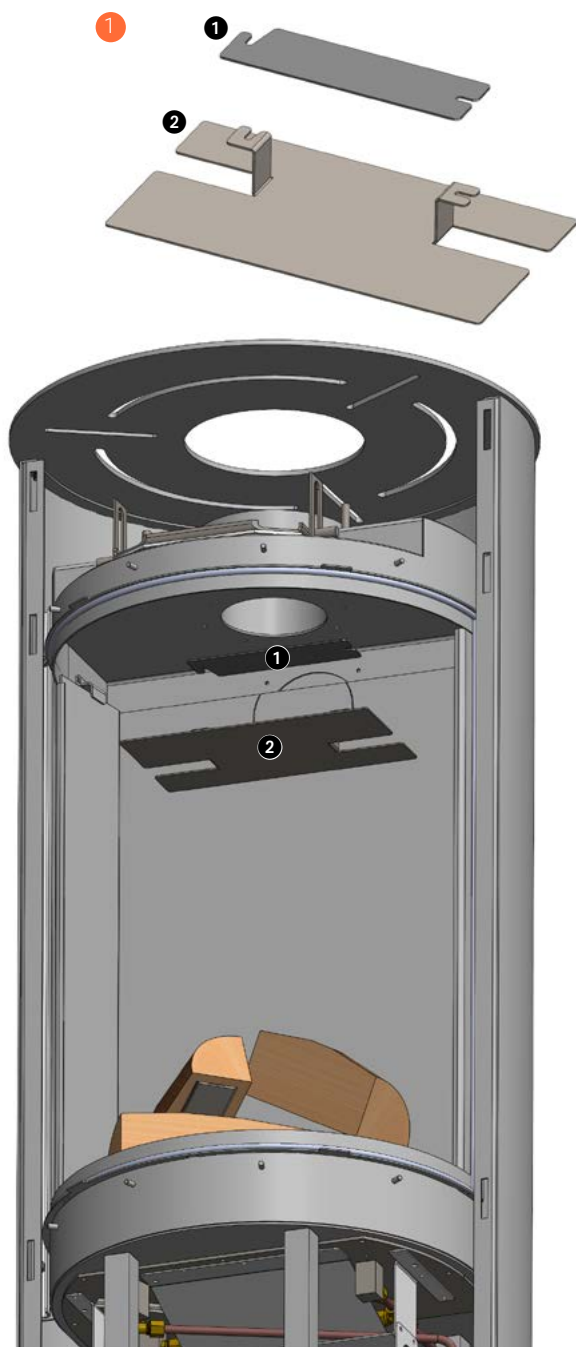
- Remove the breakout plate from the rear wall **6**. There is no need to remove the rear wall from the appliance.
- If necessary, install the restrictor by sliding it over the screws and tightening the screws. **7**
- Slide the baffle plate into the opening in the rear wall. **8**



## 2.6 Restrictor and baffle plate

The restrictor **1** and/or baffle plate **2** can be mounted inside the appliance, at the location of the flue gas duct. The two retaining screws do not need to be completely loosened. Loosen the two screws a few turns and hook the baffle plate and/or restrictor in place..

Chapter 7 *Concentric pathways* contains a table that describes when a baffle plate and/or a restrictor must be fitted. This is important to ensure the gas fire works correctly.

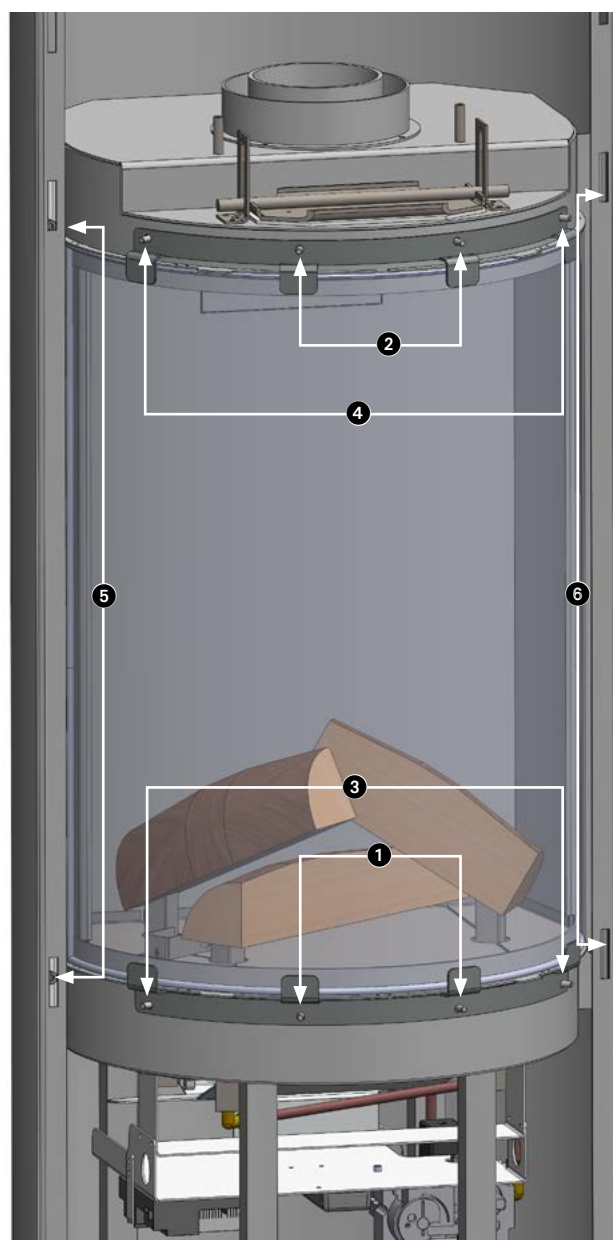


## 2.7 Refitting the glass panel

Carefully push the glass panel into place in a straight line from the front. Install the glazing bars at the bottom and top. Attach the 8 nuts and **hand-tighten** them initially.

Then tighten the bolts and nuts in the following order:

- 1 two middle nuts of the bottom glazing bar
- 2 two middle nuts of the top glazing bar
- 3 two outer nuts of the bottom glazing bar
- 4 two outer nuts of the top glazing bar
- 5 two bolts of the left-hand glazing bar
- 6 two bolts of the right-hand glazing bar





### 3 INSTALLATION OF THE BURNER MESH AND DISPERSION MEDIUM

Handle the logs carefully, the ceramic material is very fragile (for example, if dropped or bumped). Do this as accurately as possible; incorrect placement of the logs can negatively influence the flame and cause soot formation.

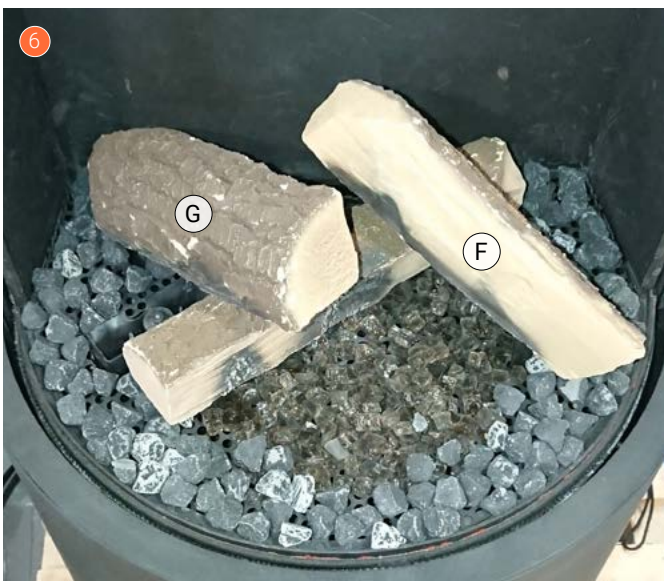
- Remove the front glass panel, see chapter 2 *Placing the appliance*.
- Remove the right-hand part of the grille.
- Remove the right burner **2**.
- Distribute the glass granules evenly over the middle part of the grille.
- Place the middle log **A** on the horizontal burner **3**.
- Fit the right part of the grille.

- Place the coal embers on the left and right part of the grille **4**.
- Place log **F** on the right burner, with the bark facing to the right **5**.
- Place log **G** on the left burner, with the bark facing to the left **5**.
- Place the 3 small logs **B** in place **6**.

#### NOTE

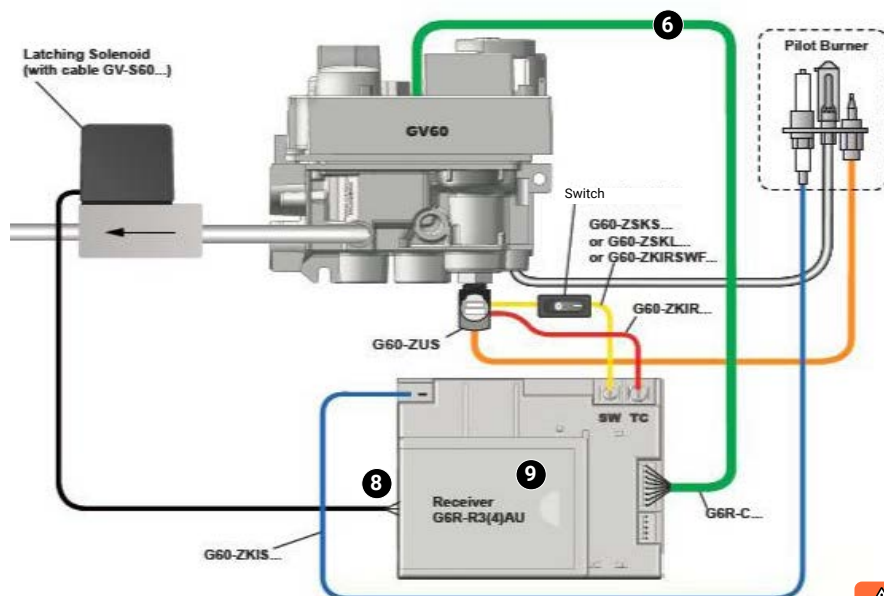
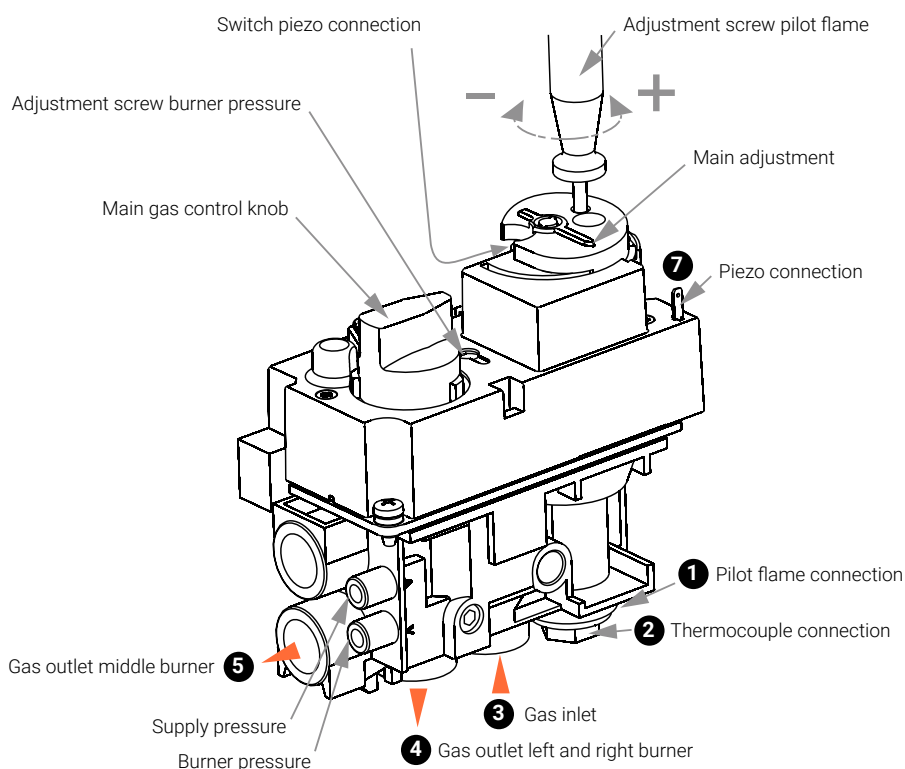
Be sure to leave enough room for the flames of the centre burner and the right-hand burner.





## 4 TECHNICAL DETAILS MAXITROL GV60

Gas valve type	Maxitrol GV60
Automatic ignition control type	B6R-R8P (Wifi Ready)
Ignition	Remote control operation and piezo ignition
Gas connection	<ul style="list-style-type: none"> <li>❶ Pilot flame connection</li> <li>❷ Thermocouple connection</li> <li>❸ Gas inlet 3/8"</li> <li>❹ Gas outlet left and right burner</li> <li>❺ Gas outlet front burner/middle burner</li> <li>❻ Multi cable</li> <li>❼ Piezo connection</li> <li>❽ Connector double burner</li> <li>❾ Receiver</li> </ul>
Appliance category	C11-C31-C91
Pilot flame	SIT 3 flames
Security	Thermocouple principle



Schematic diagram.

**⚠ WARNING**  
Sealed parts must not be adjusted.

## 5 INSTRUCTIONS FOR MAXITROL GV60

### ⚠ WARNING

- Ensure the fuel supplied to the appliance is clean and free from particles and moisture.
- The appliance must not be turned on if the glass pane(s) is not present and/or is broken.

Before a gas supply pipe (new or existing) is connected to the main gas pipe at the gas meter and to the gas valve of the appliance, clean and dry compressed air needs to have been blown through it. Copper and aluminium pilot flame pipes that have been cut must be deburred and blown clean before they are connected.

### Heat, moisture and dust are a threat to all electronic components

Protect the electronic gas control until all construction, plastering and paintwork has been completed. If you cannot avoid this work, then protect the control against dirt and moisture penetration by covering it with plastic film for instance.

### ⚠ WARNING

- Electronic components become permanently faulty when they are exposed to temperatures higher than 60°C. Normal AA batteries will crack open at temperatures >54°C and the battery contents will damage the electronic switches below. Batteries have the longest life span at <25°C.
- Only install the gas valve and receiver as pre-installed at the factory.
- Remember that components may have to be replaced or that repairs may have to be performed at a later date. This may prove to be more difficult if the control is installed in a different way to how we have described in instructions.

### Only insert the batteries after the receiver, gas valve and pilot flame have been wired.

Premature connection to the power source can damage the electronics. In the version with the LED module, inserting the batteries is not permitted. Use the mains adapter supplied with the LED module.

### 👉 NOTE

Batteries should not be used in the receiver when using the LED module.

### Ensure the ignition cable is not near the antenna wire and that they do not cross each other.

The high voltage released during ignition may damage the sensitive receiver circuit of the antenna. This could mean the appliance becomes less responsive or totally unresponsive to commands from the handset.

### 👉 NOTE

- Do not tighten the contact breaker and the thermocouple connection too tightly on the gas valve.
- It is sufficient to tighten by hand and add a half a turn with an open-end spanner. Tightening too much will break the connection to the magnetic coil below and/or the insulation around the aluminium contact pin in the contact breaker. This may cause the magnetic coil to not open the gas supply to the pilot flame and prevent the appliance from functioning.

Only use the original extension set to extend the supplied thermocouple. (Available through your supplier. Not available with LED.) Extending the thermocouple beyond its limit will lead to a reduction in voltage. This may in turn prevent the activation of the magnetic coil.

Prevent leakage of ignition spark to parts of the installation other than the ignition rod on the pilot flame. Ensure the ignition cable is not in contact with the body or other metal parts.

The receiver and the control units on the gas valve should be switched on to ensure automatic start-up via the remote control. The oval disc on the gas valve should be turned to the **ON** position. The **I/O** switch should be set to **I**. The ignition cable should be connected to the **SPARK** connection point on the receiver.

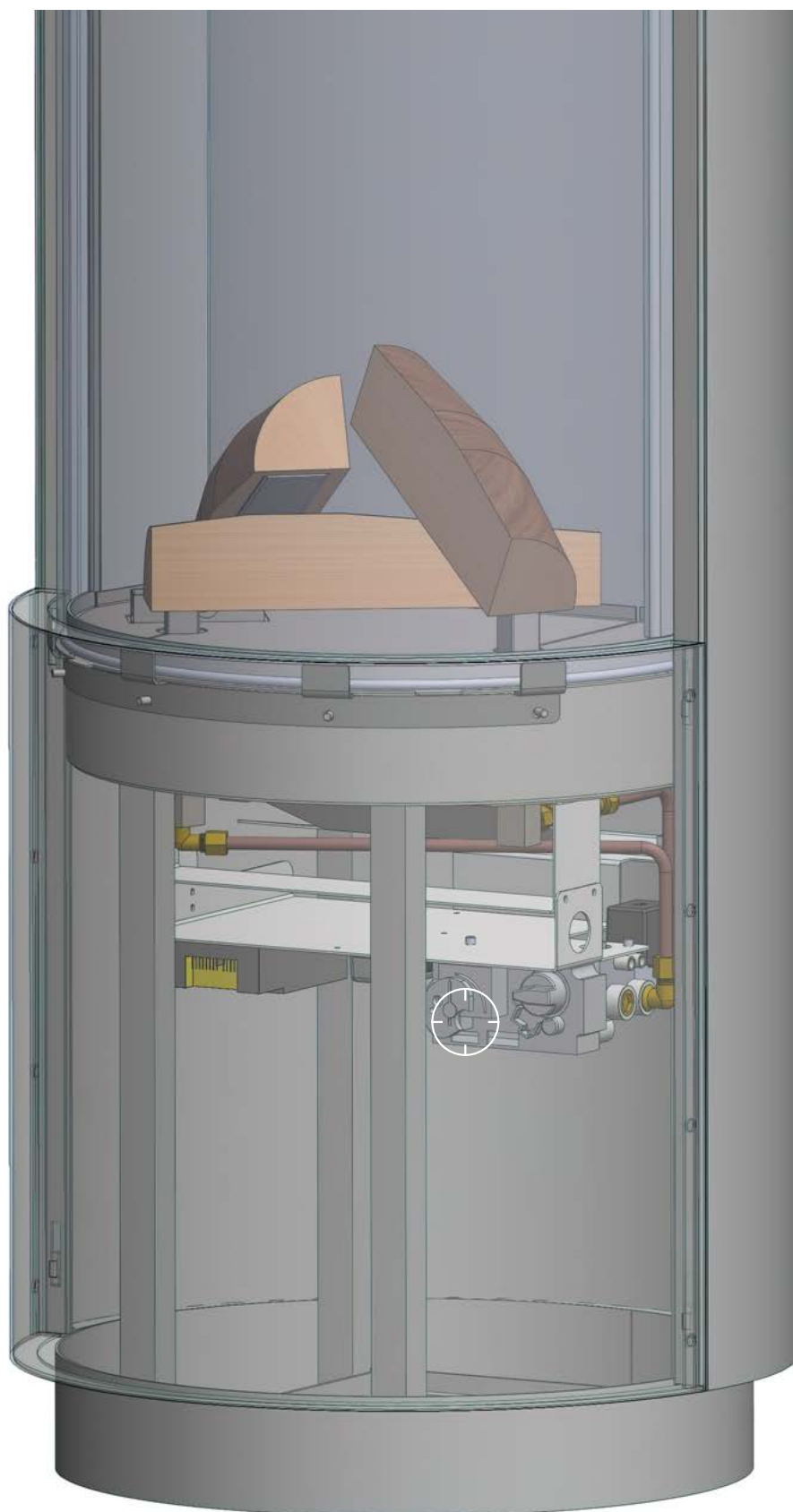
The system's thermostat sensor is located inside the remote control. The remote control operates best at a distance of 2 or 3 metres away from the appliance. Although communication occurs via shortwave radio signals, it is recommended that you place the remote control in the line of sight of the gas appliance, in a place where the user wishes to experience a pleasant temperature. Do not place the manual transmitter in direct sunlight or other warm locations. The thermostat measures the temperature and, accordingly, regulates the flame size of the gas appliance.

### 👉 NOTE

- Sealed parts must not be adjusted, to do so would void the warranty.
- A waiting time of 5 minutes between each start attempt must be observed.
- Remove batteries not with a metal tool. Removing batteries with a metal object can permanently damage the electronic control.

**NOTE**

In the event of an emergency, the **I/O** switch can be used to switch off the appliance. The **I/O** switch is located behind the bottom cover.



## 6 GAS-TECHNICAL SPECIFICATIONS

Type of indication(s)		Trimline Opal – 1121			
Appliance type		C11, C31, C91			
Concentric extraction system		Holetherm CC 100-150			
Gas type		G25,3	G20/G25	G20	G 20⇄G 25
Supply pressure in mbar		25	20	20	20/25
Country		NL	DE	AT/CH/CZ/DE/DK/EE/ES/FI/GB/GR/HR/IE/IT/LT/LU/LV/NO/PL/PT/RO/SE/SI/SK/TR	BE/FR
Category		I <sub>2</sub> EK I <sub>2</sub> (43,46-45,3 MJ/m <sup>3</sup> )	I <sub>2</sub> ELL	I <sub>2</sub> H/-/I <sub>2</sub> E	I <sub>2</sub> E*
Primary air per burner	mm	L=2x Ø3,0 M=2x Ø3,5 R=2x Ø4,5	L=4x Ø4,0 M=2x Ø4,5 R=4x Ø4,5	L=4x Ø4,0 M=2x Ø4,5 R=4x Ø4,5	L=4x Ø4,0 M=2x Ø4,5 R=4x Ø4,5
Supply pressure	mbar	25	20	20	20⇄25
Burner pressure - high position	mbar	20,0	16,4	16,4	16,4/20,0
Burner pressure - low position	mbar	11,1	9,0	9,0	9,0/11,1
Injector orifice	Ømm	L Ø1,3 M= Ø1,2 R= Ø1,3	L= Ø1,3 Mid= Ø1,2 R= Ø1,3	L= Ø1,3 M= Ø1,2 R= Ø1,3	L= Ø1,3 M= Ø1,2 R= Ø1,3
Pilot flame injector	CODE	51	51	51	51
Low position orifice	mm	Adjustable	Adjustable	Adjustable	Adjustable
Load Hs	kW	7,6	6,3	7,6	6,3 - 7,6
Load Hi	kW	6,9	5,6	6,9	5,6 - 6,9
Gas consumption	m <sup>3</sup> /h	0,796	0,692	0,728	0,692 - 0,728
Nominal power - high position	kW	5,1	4,3	5,5	4,3 - 5,5
Nominal power - low position	kW	1,6	1,3	1,6	1,3 - 1,6
NOx Hi EN613	classe	4	4	4	4
Efficiency Class EN613		2	2	2	2
<b>Useful return (NCV) system**</b>					
For nominal heat output	%	78,0	77,0	79,0	79,0
For minimal heat output	%	65,0	65,0	65,0	65,0
<b>Supplementary electricity consumption</b>					
Nominal	kWh	0,0072	0,0072	0,0072	0,0072
Stand-by	kWh	0,0003	0,0003	0,0003	0,0003
<b>Energy efficiency***</b>					
Energy efficiency index (EEI)	%	78	77	79	79
Energy label		C	C	C	C
NOx Hs	mg/kWh	125	121	129	129
<b>Heat output type/room temperature control</b>					
Indirect heat functionality					No
Single stage heat output, no room temperature control					No
2 or more manually-adjustable stages, no control of the room temperature					No
With mechanical control of room temperature by thermostat					No
With electronic control of room temperature					Yes
With electronic control of room temperature plus day-time switch					Yes
With electronic control of room temperature plus week-time switch					Yes
<b>Other control options</b>					
Control of room temperature with presence detection*					Yes
Control of room temperature with open window detection*					Yes
With remote control option					Yes

\* In combination with home automation

\*\* Shortest system path

\*\*\* EU directive 2015-1186/1188



Type of indication(s)		Trimline Opal – 1121	
Appliance type		C11, C31, C91	
Concentric extraction system		Holetherm CC 100-150	
Gas type		G30/G31	G30
Supply pressure in mbar		(28-30)-37	30/50
Country		BE/CH/CY/CZ/ES/FR/GB/GR/IE/IT/LT/PT/SI/TR	NL/AT/CH/CY/CZ/DE/DK/EE/FI/GR/HR/HU/IT/LT/NO/PL/RO/SE/SI/TR
Category		I <sub>3</sub> <sup>+</sup>	I <sub>3</sub> B/P
Primary air per burner	mm	L=4x Ø6,0 M=4x Ø8,0 R=4x Ø7,0	L=4x Ø6,0 M=4x Ø8,0 R=4x Ø7,0
Supply pressure	mbar	(28-30)-37	30/50 Set burner pressure to 50 mbar
Burner pressure - high position	mbar	27,9	27,9
Burner pressure - low position	mbar	15,0	15,0
Injector orifice	Ømm	L=Ø0,75 M=Ø0,9 R=Ø0,75	L=Ø0,75 M=Ø0,9 R=Ø0,75
Pilot lame injector	CODE	30	30
Low position orifice	mm	Adjustable	Adjustable
Load Hs	kW	6,7	6,7
Load Hi	kW	6,2	6,2
Gas consumption	m <sup>3</sup> /h	0,192	0,192
Nominal power - high position	kW	5,0	5,0
Nominal power - low position	kW	2,8	2,8
NOx Hi	classe	5	5
Efficiency Class EN613		1	1
<b>Useful return (NCV) system**</b>			
For nominal heat output	%	84,0	84,0
For minimal heat output	%	71,0	71,0
<b>Supplementary electricity consumption</b>			
Nominal	kWh	0,0072	0,0072
Stand-by	kWh	0,0003	0,0003
<b>Energy efficiency***</b>			
Energy efficiency index (EEI)	%	84	84
Energy label		B	B
NOx Hs	mg/kWh	97	97
<b>Heat output type/room temperature control</b>			
Indirect heat functionality			No
Single stage heat output, no room temperature control			No
2 or more manually-adjustable stages, no control of the room temperature			No
With mechanical control of room temperature by thermostat			No
With electronic control of room temperature			Yes
With electronic control of room temperature plus day-time switch			Yes
With electronic control of room temperature plus week-time switch			Yes
<b>Other control options</b>			
Control of room temperature with presence detection*			Yes
Control of room temperature with open window detection*			Yes
With remote control option			Yes

\* In combination with home automation

\*\* Shortest system path

\*\*\* EU directive 2015-1186/1188

Suitable for biopropane.

# 7 CONCENTRIC PATHWAYS

Table of concentric pathways						
Pathway	Illustration	X total in metres		Y total in metres		Restriction
		Min*	Max*	Min*	Max*	
<b>x = vertical and y = horizontal</b>						
Indirect façade outlet G20/25	A-B	1	3	0	2,5	Trimline Opal – 1121 See restriction conditions
Indirect façade outlet G30/G31	C	2	12	–	–	See restriction conditions
Roof pass-through with 45° slope**	D	3	12	0	2	From X total - Y > 6 meter: G20 and G20/25 and G25.3: 40mm G30/31: 50mm
Roof pass-through with 90° slope***	E	3	12	0	2	From X + X1 - Y > 6 meter: G20 and G20/25 and G25.3: 40mm G30/31: 50mm
Rear connection	F	2	12	0	0,5	See restriction conditions

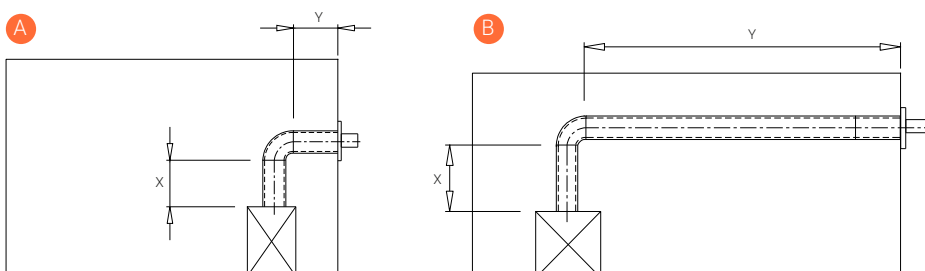
45° Bend: calculation length 1 metres, 90° Bend: calculation length 2 metres

\* Length including roof or exterior wall outlets. Always adhere to a starting length of 1 metre

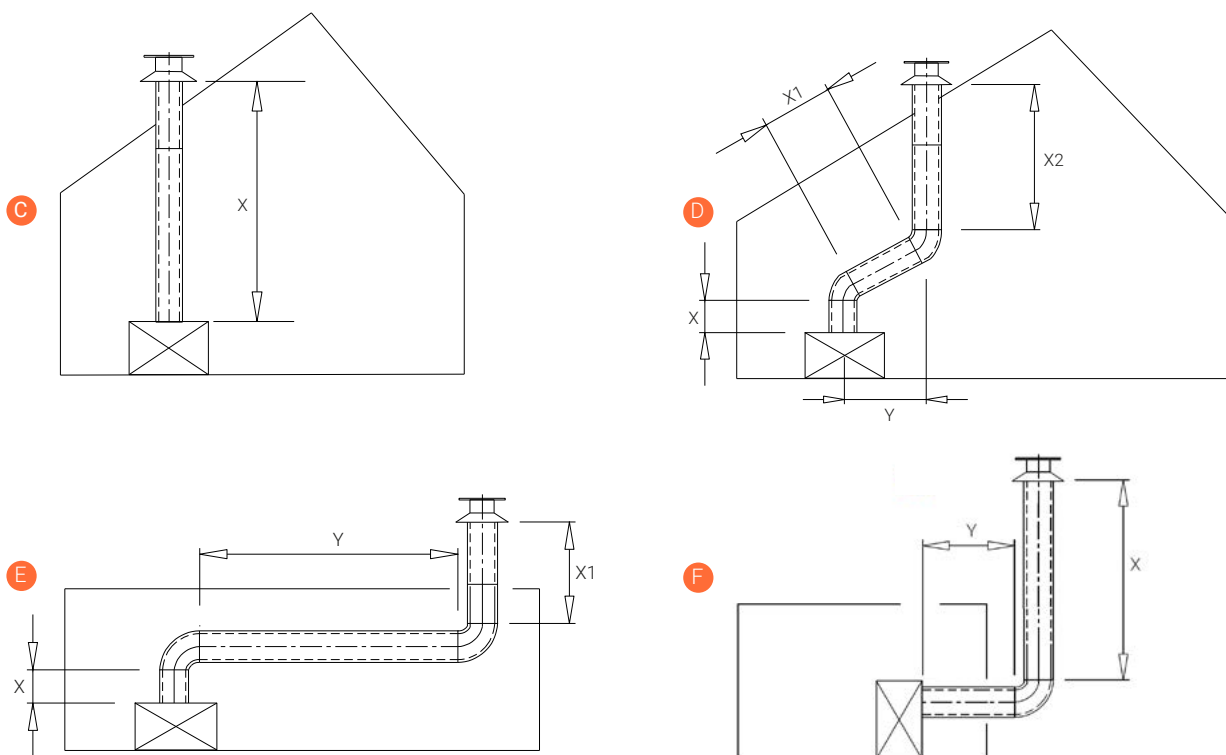
\*\* Ratio vertical : horizontal X + X1 + X2: Y ≥ 2: 1

\*\*\* Ratio vertical : horizontal X + X1: Y ≥ 2: 1

Restriction conditions all gas types		
Distance	Baffle plate	Restriction
<b>G20 and G20/25 Vertical lay out</b>		
1-6m	Yes	35mm
6-12m	Yes	45mm
<b>G25.3 Vertical lay out</b>		
1-6m	Yes	35mm
6-12m	Yes	45mm
<b>G30/31 Vertical lay out</b>		
1-6m	Yes	50mm
6-12m	Yes	55mm
<b>Rear connection vertical pathways G20 and G20/25 and G25.3</b>		
1-6m	Yes	65mm
6-12m	Yes	80mm
<b>Rear connection vertical pathways G20 and G20/25 and G25.3</b>		
1-6m	Yes	72.5mm
6-12m	Yes	80mm
<b>G20 horizontal sections up to 2,5 meter including wall ducts</b>		
1m 90° en 0.5m	Yes	35mm
1m 90° en 2.5m	No	No
<b>G20/G25 horizontal sections up to 2.5 meter including wall ducts</b>		
1m 90° en 0.5m	Yes	40mm
1m 90° en 3.5m	No	No
<b>G25.3 horizontal sections up to 2.5 meter including wall ducts</b>		
1m 90° en 0.5m	Yes	35mm
1m 90° en 2.5m	No	No
<b>G30/31 horizontal sections up to 3.5 meter including wall ducts</b>		
1m 90° en 0.5m	Yes	50mm
1m 90° en 2.5m	No	No







## 8 CONCENTRIC FLUE SYSTEM

The concentric flue system is composed of an inner flue and an outer flue. These flues have been set up concentrically so the combustion gases will be discharged via the internal flue while the fresh combustion air is supplied via the gap between the inner and outer flues.

### 8.1 Components of the concentric flue system

Different connections are possible using the concentric flue system. These are:

#### Through the roof face and through the exterior wall

The pathway used for this system can be laid in different ways, but there are a few important conditions:

- The total allowed vertical flue length must not exceed 12 metres (the sum of the flue length and calculation lengths for the bends). See Chapter 7 *Concentric pathways*.
- 90° bends have a 2-metre horizontal calculation length.
- 45° bends have a 1-metre horizontal calculation length.
- The outlet can be installed at any point on the roof face or exterior wall (supply and discharge in an identical pressure area), but must meet applicable regulations.
- Flue pathways must not be insulated.

#### NOTE

- Ensure the restrictor is mounted in the correct manner, as indicated in these instructions.
- The correct restrictor will provide the appliance with the most optimal efficiency, flame image and combustion.
- Mounting an incorrectly placed restrictor may cause malfunction of the appliance.

### 8.2 Construction of concentric flue system

#### Indirect wall connection

- The outlet may also be installed in an upwards exhaust in the wall, taking any hindrance to the surrounding area into consideration, in accordance with local standards and regulations.

#### NOTE

Ensure wind pressure on the outlet is not excessive, such as in locations with a balcony, flat roof, corners and very narrow alleys, etc., as this can negatively affect the performance of the appliance.

- Make a recess in the façade of around 155mm or 205mm when using respectively Ø100-150 and Ø130-200 flues (keep an extra space of 50mm in a refractory façade around the outer tube) and fit the façade pass-through with the wall plate on the inside of the wall. The wall plate of the exterior façade pass-through must be sealed sufficiently against the wall on the outside to avoid moisture and/or flue gas leaks leaking into the living space. We recommend our clearance box use as a direct façade pass-through through a refractory façade.
- The flue should be encased if necessary. Even if the flue is to be installed along non-refractory materials, sufficient fire-resistant measures must be taken.
- Determine the position of the appliance and outlet and begin construction of the flue with the connection on the appliance, paying attention to the direction of installation and connecting the elements by means of clamp strips.

- An adjustable pipe can be used between the bends or when connecting to the appliance. If necessary, use wall brackets to support the flue.

### Mounting using the roof pass-through option

- The flue outlet can be located at any random place on the roof face (supply and exhaust in identical pressure areas) and must meet the applicable rules and regulations.
- A roofing sheet for a flat roof or a roofing sheet lead for sloping tiled roofs can be used for a watertight duct. Use various bends for the slope, if required. The recess in the roof decking should be 50mm larger all around to ensure sufficient fire resistance.
- One needs to take into account the regulation regarding fire resistance between rooms. (For this, see the applicable local standards and regulations.) A casing of fireproof material (for example, 12mm Promatect fire-resistant plate) should be applied up to 25mm from the outer flue.
- Determine the position of the appliance and the outlet and begin the construction of the flue with the connection on the appliance (always 1 metre vertical first) pay attention to the direction of installation. The inner flue must be installed for draining purposes. Connect the elements using the clamping straps. Ensure all connections are gastight.
- An adjustable pipe can be used between the bends or when making the connection to the appliance and/or the roof pass-through. Use 2 wall brackets to support the flue on each floor.

## 8.3 Installation instructions regarding existing flues

APPENDIX 2

### Instructions

The flue gas exhaust system falls within category: C91 and must be built in accordance with national rules and regulations and the instructions of the manufacturer, as specified in the documentation and installation instructions. This means, among other things, that the chimney pass-through must not be smaller than 150mm round/square, but no larger than 200mm, and not ventilated by grilles, etc. In the case of larger chimney pass-throughs, a flexible hose of around 150 mm may possibly be used in combination with a flexible hose of around 100mm, as described below. For other situations, consult your supplier.

## 8.4 Parts

Check all parts for damage before commencing the installation. For the conversion of a brick flue to concentric flue, connected to CC flue system, you need the components described in [APPENDIX 2](#).

### NOTE

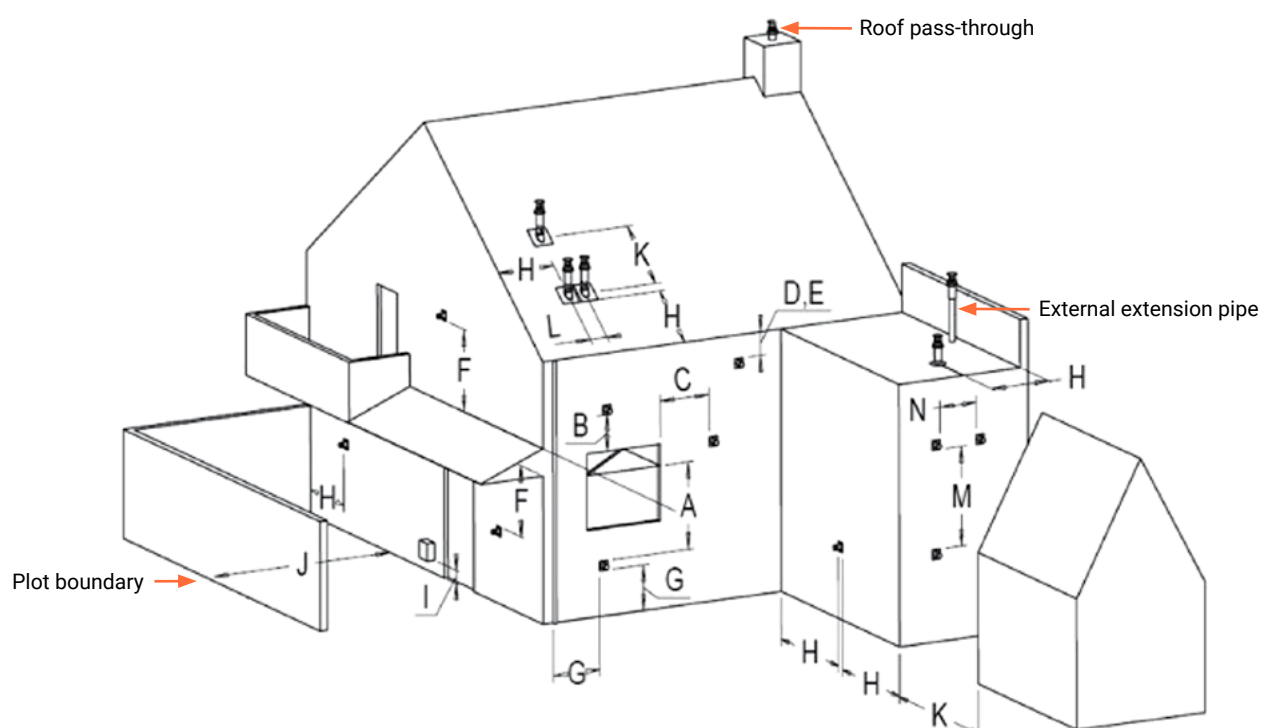
The renovation/sanitation set consists of parts:

- ③ Interior mounting plate
- ④ Sliding element
- ⑦ Chimney mounting plate

## 8.5 Installation

- Guide the flexible hose ⑤ through the existing flue ⑥.
- Attach the slider ④ to the bottom of the flexible hose and secure this in place using two Parker screws.
- Keep the bottom of the slider at the same height as the bottom of the flue or ceiling.
- Shorten the flexible hose to approximately 100mm above the chimney coping.
- Attach the mounting plate to the flexible hose on the roof ⑦, clamp it with a hose bracket. Stainless steel Ø90 to 165, secure the whole with Parker screws.
- Attach the mounting plate to the chimney coping watertight on the roof ⑦ using silicone sealant and stainless steel screws.
- Install the roof pass-through ⑨ and secure it in place using the supplied clamping strip ⑧.
- The slider ④ will protrude approximately 100mm underneath the flue or ceiling after installation.
- Attach the inner mounting plate ③ gastight against the bottom of the structural flue or against the bottom of the concrete floor using silicone sealant and screws.
- Position the appliance in accordance with the instructions of the appliance manufacturer.
- Install a minimum of 1 metre of concentric flue type THC CC ①.
- Extend the concentric flue using sections up to a minimum of 100mm in the structural duct. Finally, turn the clamping strip by hand in the mounting plate inside ③.

## 9 PASS-THROUGH POSITIONS AND FUNCTION CORRECTLY



Dimensions	Outlet positions	Distance mm
A	Distance to ventilation openings	Room*
B	Distance to ventilation openings	Room*
C	Distance to ventilation openings	Room*
D	Lower gutter bottom pipes or exhaust lines	500
E	Under the eaves	500
F	Under a carport, roof or balcony, inside and outside corners	500
G	From ground level and rainwater drainage pipes	300
H	Inside and outside a corner	500
I	Above an external gas pressure regulator	1000
	Side of a gas pressure regulator	500
J	Conflict distance façade outlet	Room*
K	Roof drain centre to centre	1000
L	From the centre of both roof drains	450
M	Two wall drains above each other	1000
N	Two wall drains next to each other	1000

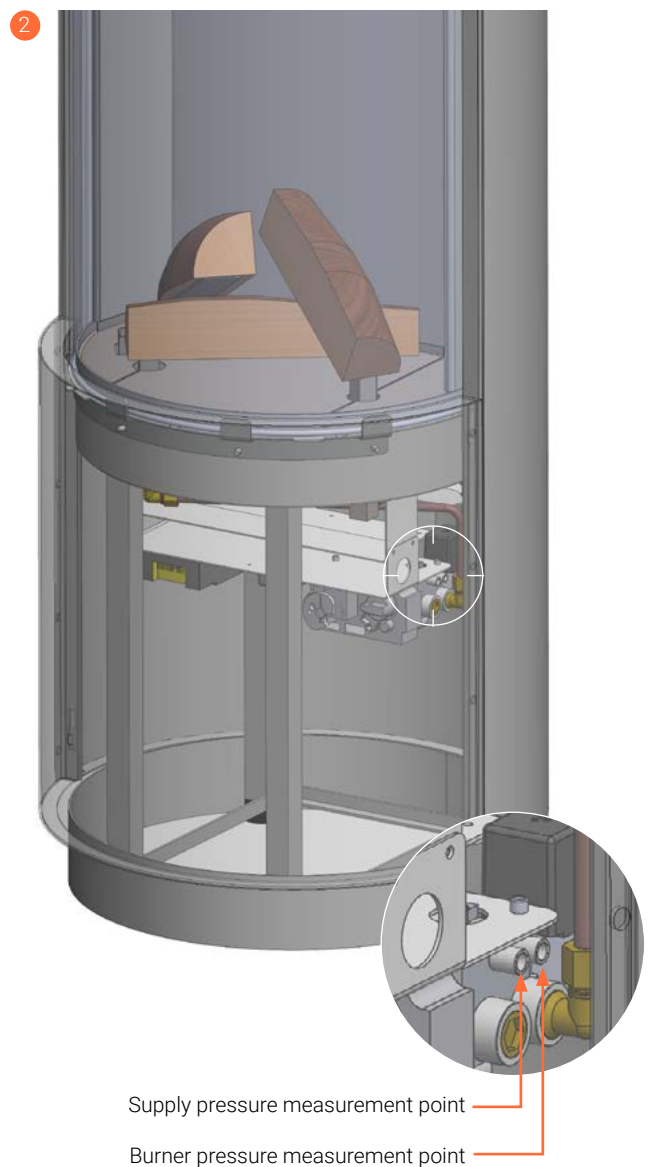
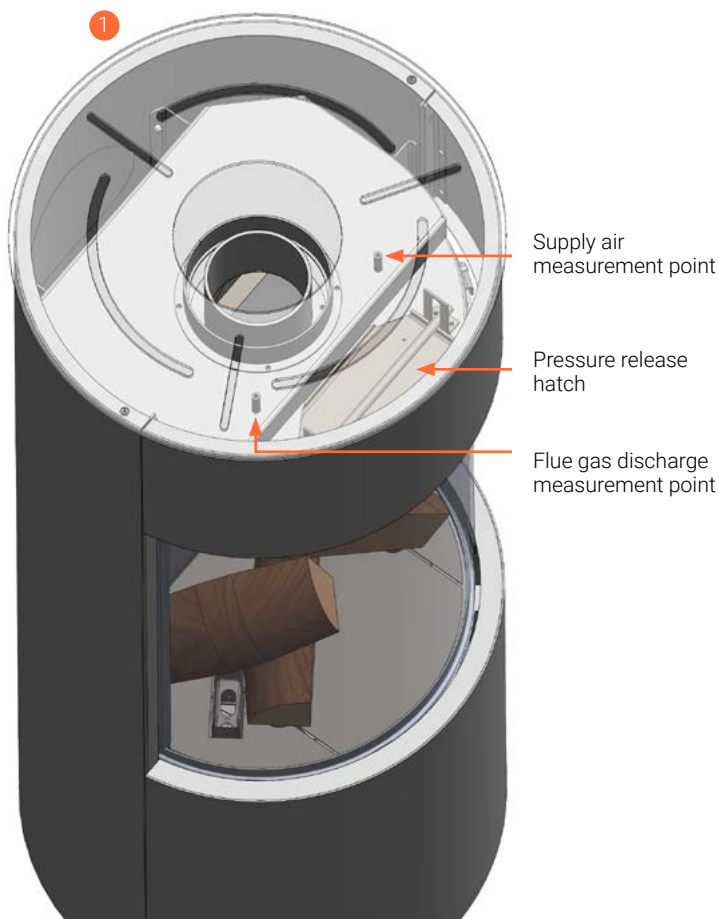
\* In accordance with local building codes

# 10 CLEANING AND MAINTENANCE

- The appliance must be checked and serviced by a recognised installer at least once a year. The glass is also cleaned during this process.
- It is advisable to clean the outside of the appliance regularly, both in and out of the heating season.
- Do not use aggressive or corrosive cleaning agents or sharp objects.
- The concentric flue system must be cleaned every 2 years.  
A check must be carried out on:
  - 1 seal of the flue and supply circuits
  - 2 seal of the upper and lower pressure release hatches of the appliance; check the gasket
  - 3 operation of the pressure release hatches; that they can open and close freely
  - 4 the operation of the gas valve and ignition of the burner

## Measuring points

The appliance has 4 measuring points: 2 on the gas control block, and 2 at the top of the appliance under the upper cover for the flue gas and the supply air.



## Glass cleaning instructions

### Use only

Water or a suitable surfactant detergent.  
We recommend our thermoCet Cleaner set.

### Remove the glass panel

See Paragraph 2.4 *Glass panel removal*  
on page 5.

#### IMPORTANT

After lighting for the first time, a haze may form on the inside of the glass panel. When the appliance has cooled down after the first use, the glass must be cleaned immediately. The glass must be cleaned again after the appliance has been in use for a month. After this, the amount of cleaning can be determined depending on the frequency of use of the appliance. Bear in mind that the glass can become dull if it is not cleaned in good time. Cleaning then becomes more difficult.

# 11 FITTING THE LED GLOW BED MODULE

## 11.1 Installation instructions for the LED glow bed module

The LED glow bed module consists of:

- LED unit
- Mains adapter
- Sealing set
- Glass panel
- Glazing bars

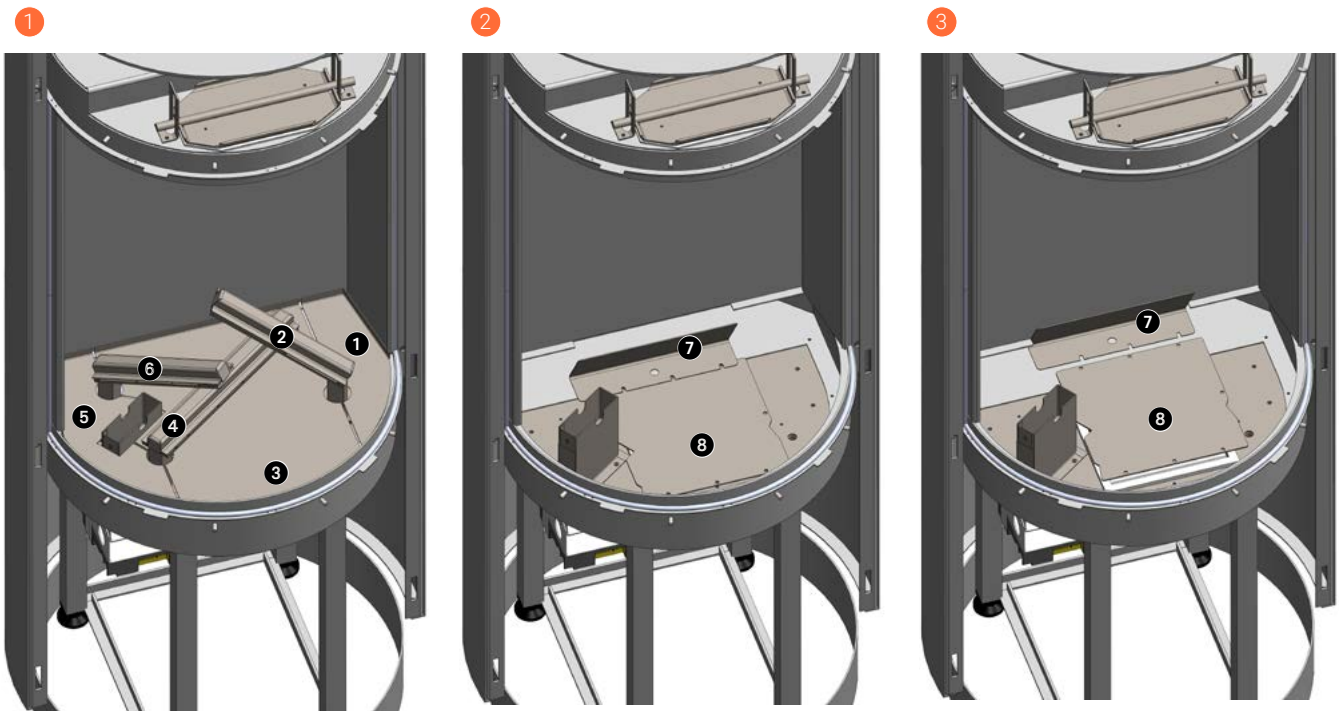
Fitting the LED glow bed module consists of two parts:

- 1 Fit the glass plate in the combustion chamber
- 2 Fit the LED module to the mounting plate under the combustion chamber

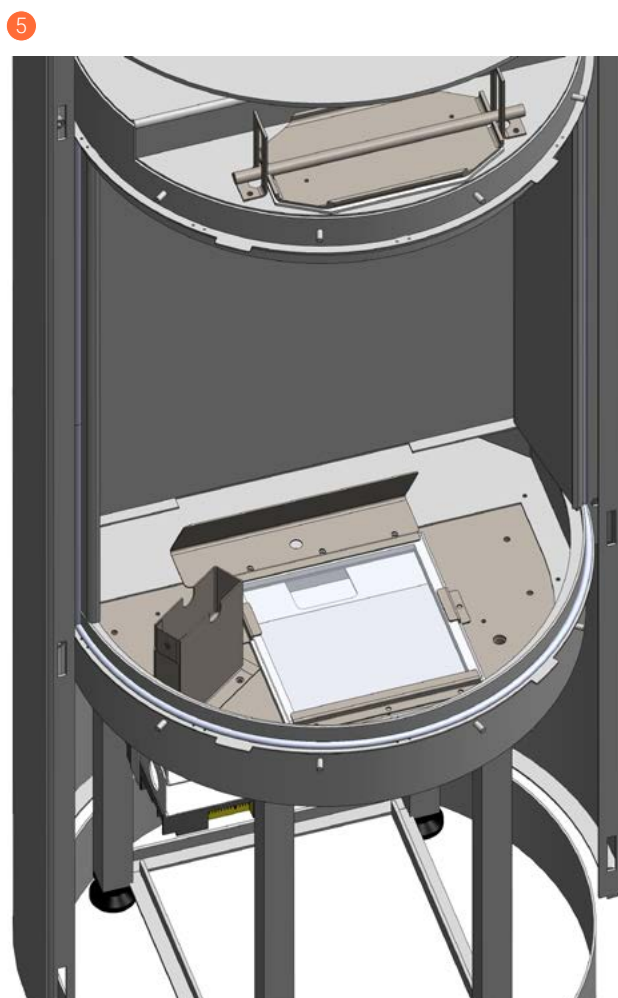
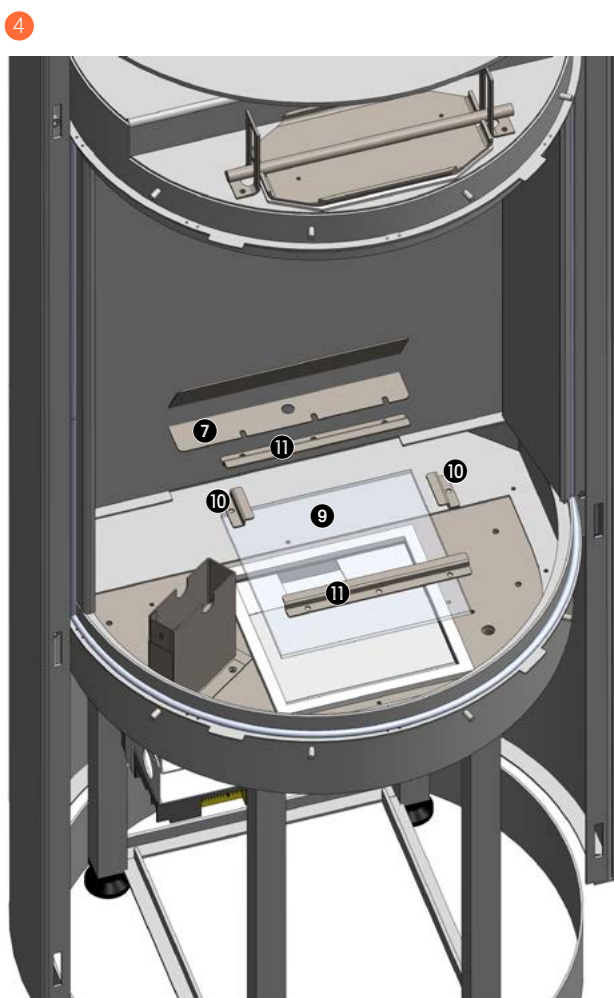
There must be a 230 VAC wall socket for the LED module power supply in the vicinity of the appliance.

## 11.2 Fitting the glass plate

- Remove the glass panel, Paragraph 2.3 *Removing the glass panel*.
- Remove the right-hand part of the grille **1**.
- Remove the right burner **2** by loosening the 2 bolts.
- Slide the middle part of the grille **3** to the right and then remove the middle burner **4**.
- Remove the middle grille **3** from the appliance.
- Remove the left grille **5** and, if necessary, the left burner **6**.
- Remove the air guide **2** **7** and central sealing plate **8**, this will create a recess in the bottom of the appliance.
- Be careful to ensure the seal does not get damaged.



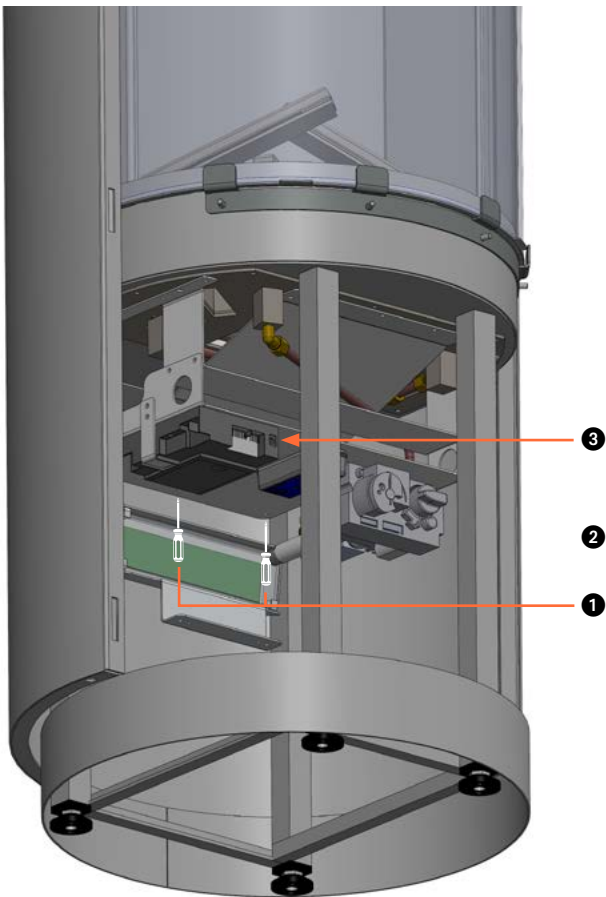
- Place glass plate **4** **9** on top of the seal, glossy side up and matte side down.
- Clamp the glass plate in place using the glazing bars **10** **11**, the short glazing bars **10** are fitted on the left and right side, the long glazing bars **11** are fitting at the front and back, do not forget to refit the air guide **7**.
- Do not overtighten the screws, this could risk glass breakage.
- Refit the burners and grilles in the reverse order.
- Refit the supplied wood set and dispersion medium, see Chapter 3 *Installation of the burner mesh and dispersion medium*.
- Fit the glass panel, See Paragraph 2.7 *Fitting the glass panel*.



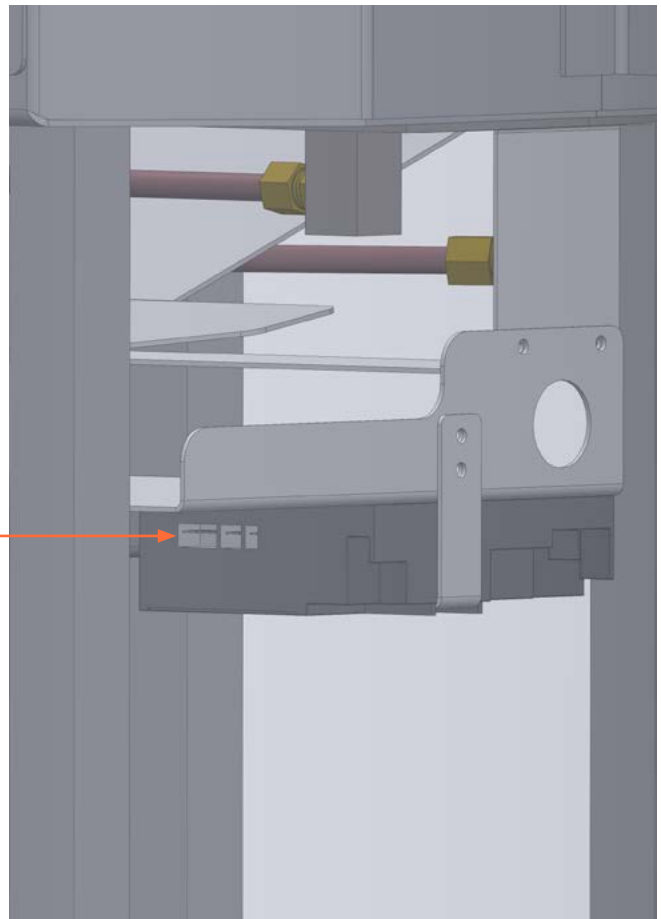
### 11.3 Fitting the LED unit

- The LED unit is fastened to the mounting plate from below with two screws. **1**
- Remove the lower cover from the mantle.
- Position the LED unit under the mounting plate. **6**.  
The easiest method is to push the LED unit as far back as possible initially (against the back wall of the mantle).
- Secure the LED unit with the two screws. **1**
- Remove the receiver from the holder and attach the cable of the LED unit to the "MODULE" port **7** **2** and then place the receiver back in the holder.
- Connect the mains adapter to the receiver **6** **3** and the 230 VAC wall socket.
- Check whether the LED module is working correctly, see the appliance operating instructions.

**6**



**7**





## 12 QUICK REFERENCE GUIDE FOR FAULTSSEARCH FOR ENCLOSED APPLIANCES USING MAXITROL GV60 GASCONTROL

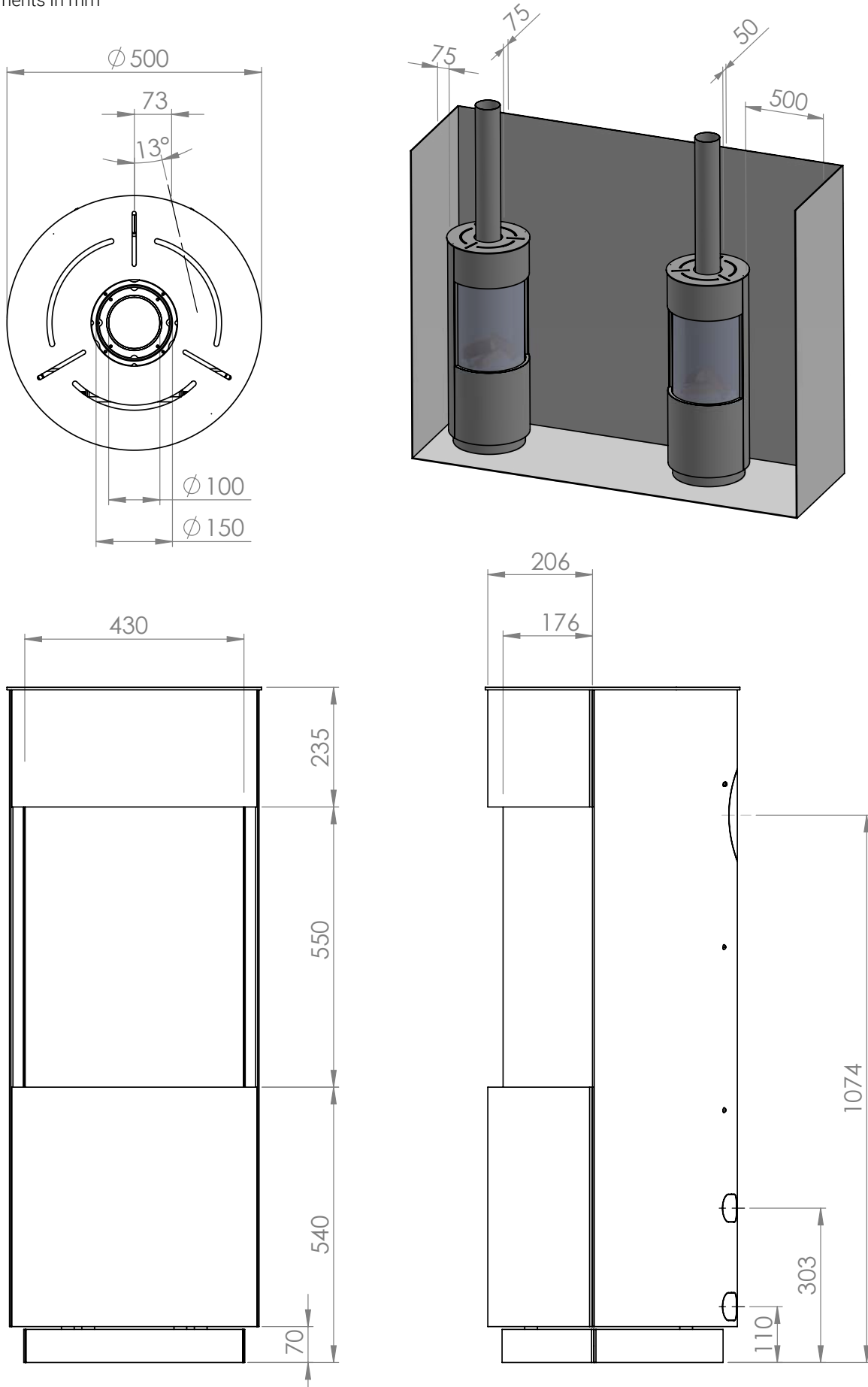
Function	Possible cause	Solution
1. Acoustic signals	1 long beep → reset switch OFF (0)	Set switch to (I)
	1 long beep → connections not complete	Check connections in thermocouple circuit
	1 long beep → 8-core cable defective	Check connections in connector/replace 8-core cable
	1 long beep → micro switch defective	Replace gas valve
	1 long beep → Sync not OK	Carry out new sync procedure for remote control/receiver
	3 short beeps → mains adapter	Replace batteries or 6-VDC adapter
2. No reaction remote control/receiver	Power supply problem	Check batteries/6-VDC adapter
	No sync remote/receiver	Carry out sync procedure
	Distance between remote control/receiver	Change position of receiver
	Defective receiver	Replace receiver
	Faulty remote control	Replace remote control
3. No pilot flame gas	Maxitrol GV60 DC magnet appliance does not open (no clicking noise from gas valve)	<ul style="list-style-type: none"> <li>• Check wiring and breaker on thermocouple circuit</li> <li>• Check/replace 8-core cable between remote control and gas valve</li> <li>• 1 x sparks and stop: check ground cable under torx gas valve</li> <li>• Replace receiver</li> <li>• Replace gas valve</li> </ul>
4. Poor/no spark	Spark cable loose	Check spark cable connections
	Short circuit between cable and metal	Check whether cable is free of metal parts
	Poor spark candle	Check spark candle for fractures, replace if necessary
	Distance of sparking candle to pilot flame head	Check distance is approximately 4mm
5. Pilot light difficult to ignite	Gas supply pressure too high, nervous flame	Adjust gas supply pressure or adjust the pilot flame pressure using the gas valve
	Gas supply pressure too low, short flame	Adjust gas supply pressure, check gas pipes, or adjust pilot flame pressure using the gas valve
	Air in (pilot flame) pipe, flame on/off	Blow pipes through, make air-free
	Injector blocked	Clean or replace pilot flame injector
	Blocked/curved pilot flame pipe	Check and clean pipe
	Pilot light head damaged	Check and replace pilot flame
6. Pilot light goes out after ignition	Small pilot flame, no flame on thermocouple tip	Check gas supply pressure, possibly too low
		Check pilot flame injector and gas pipe
	Nervous pilot flame flame, no flame on thermocouple tip	Check gas supply pressure, too high, adjust
		Adjust pilot flame pressure on gas valve
	Lazy pilot flame, no flame on thermocouple tip	Air in pipes, vent
		Check premix opening on pilot flame, must be open
	Poor connections in thermocouple circuit	Check cables/breaker in thermocouple circuit
		Check thermocouple connections in gas valve, do not over-tighten.
Measure thermocouple circuit voltage 4.5mV minimum		
Bad thermocouple	Check open circuit voltage of thermocouple (18-30mV), replace if necessary	
Poor DC magnet appliance in Maxitrol GV60	Replace gas valve	

Function	Possible cause	Solution
7. Pilot light goes out when the appliance is closed	False air along pilot flame holder/gasket	Check pilot flame holder and gasket for leaks
	False air hatches	Check pressure hatches/gasket is completely closed
	Main flame causes pilot flame to go out	Check restrictor/baffle in accordance with regulations
8. Pilot light/main flame off	Gas pre-pressure has dropped	Check correct dimensions of gas pipe or blockage, correct
	Main burner ignition, 3 beeps, low mains adapter voltage	Check batteries or 6-VDC adapter
	Too much/little transport in appliance/outlet	Check restrictor/baffle situation in accordance with instructions.
	Concentric outlet pathway incorrect	Check outlet pathway in accordance with instructions
	Recirculation, façade/roof mouth position incorrect	Check outlet in accordance with instructions
	Recirculation in closed outlet system	Check outlet connections
9. Main burner does not start up	Gas control valve knob to MAN	Check gas control valve knob to ON
10. Delayed ignition of main burner	Pilot light burner blocked	Check logs, pebbles, etc. are in the right position. pilot flame should be free of obstructions.
	Small/lazy pilot flame	Check and correct pressure and physical state of pilot flame burner
	Close main burner flame openings	Check and clean with a vacuum cleaner or similar device.
	Logs, etc. in wrong position	Check and correct, see instructions
11. Low main flame	Gas supply pressure too low	Check gas supply pressure and corrections
	Burner pressure too low	Check burner pressure, check instructions for correct values
12. No or little difference between high/low settings for main flame	Low position setting incorrect	Check and adjust low position in accordance with instructions
13. DB burner does not work	Defective step valve	Check whether clicking sound is perceptible, press button on remote control several times, replace valve if necessary
14. Sooty flame	Insufficient transport in appliance/closed drainage system	Check restrictor/baffle, follow instructions for correct value
		Check outlet system pathway in accordance with instructions
		Check outlet in accordance with regulations/instructions
	Excessive feed/burner pressure	Check and correct gas supply/burner pressure in accordance with instructions
	Blocked burner flame openings	Check and clean with a vacuum cleaner, for example
	Incorrect premix for main burners	Check and correct, see instructions
	Decorative logs, etc. in incorrect position	Check and correct, see instructions

# Appendix 1 DIMENSIONAL DRAWINGS

## Trimline Opal

Measurements in mm



## Appendix 2 CONSTRUCTION DIAGRAM DOUBLE-WALL CONCENTRIC

Material: Stainless steel AISI 316 L - Allow number 1.4404

Application: for the discharge of flue gases and the supply of combustion air from gas-fired appliances or stoves with a closed combustion system

