

# INSTALLATION MANUAL

## SCAN-LINE 8 GAS

Please leave these instructions behind with the device



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EN

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# BEFORE INSTALLATION

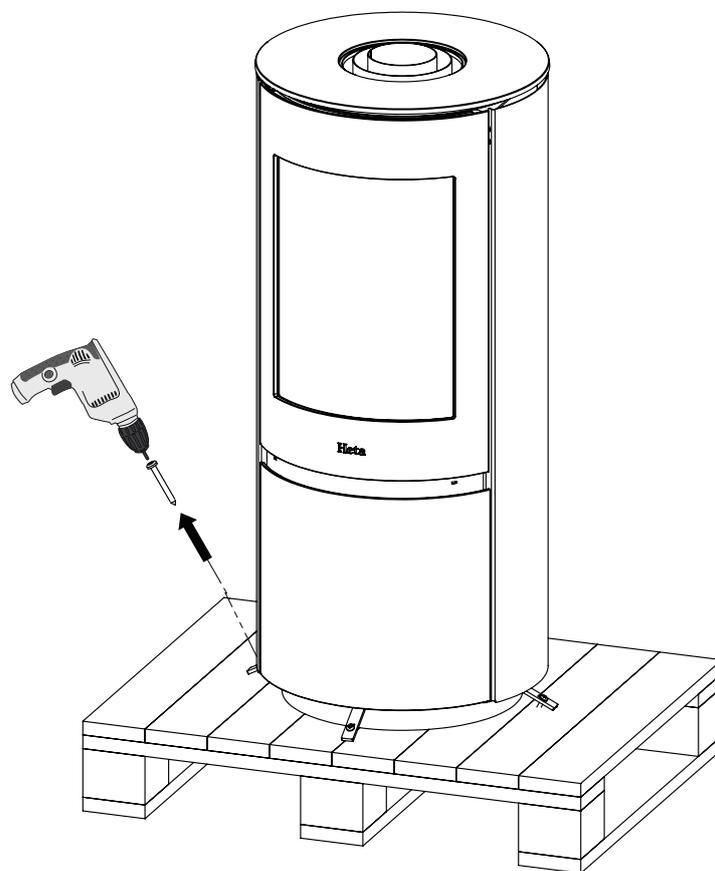
Heta gas stoves are quality products, therefore, your first impression is very important! We have a good logistics network, which transports Heta products with great care for our dealers. Nevertheless, when in transport or handling, damage of the often-heavy stoves can occur. It is important that upon receipt check your Heta product completely and report any damage or defects to your dealer.

The packaging must be disposed of as follows:

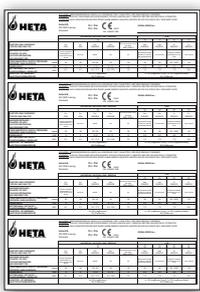
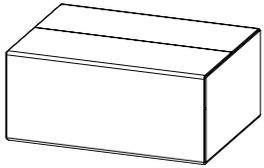
Wood is untreated and able to burn in the stove.

Plastic and cardboard you can drop off at your local recycling center.

## Unpacking the stove

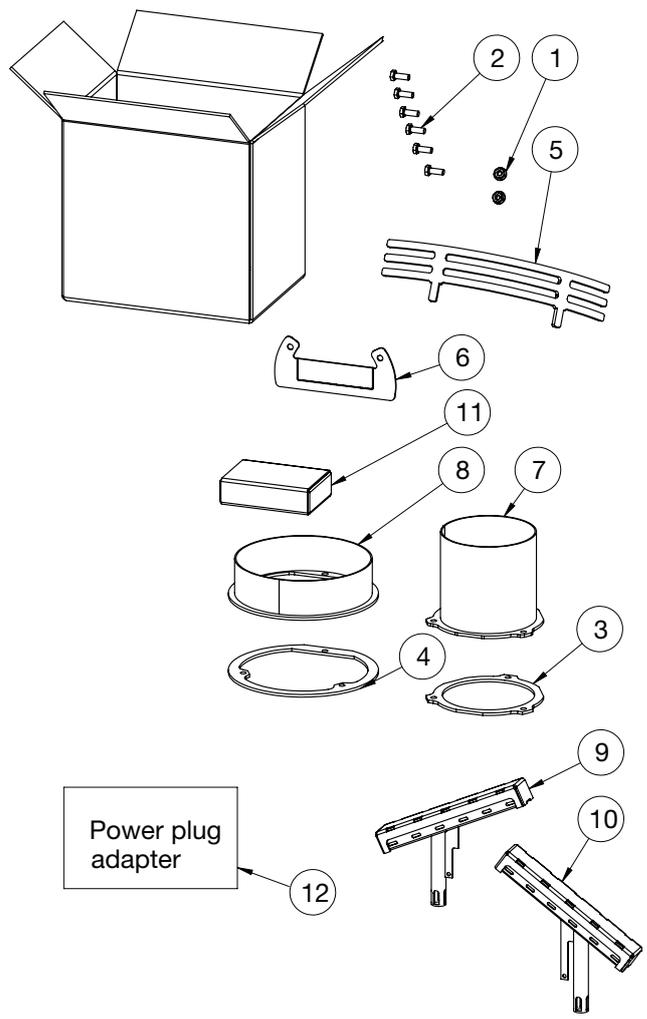


# With your new gas stove you should find the following:

Manual	
Data plate	
Ceramic decoration Logset	

Q.C. check	
------------	---

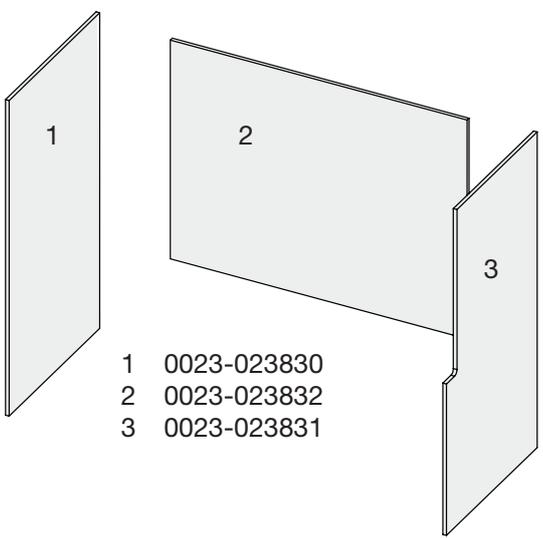
**Box with accessories**



Power plug adapter

Required tools are not supplied.

## Accessories not included



1	0023-023830
2	0023-023832
3	0023-023831

Pos	Number	Description	Qty
1	0008-0913	M6 Hexagon flange nut	2
2	0008-1201	M6x16 Hexagon head screw	6
3	0023-017909	Flue_Inner_Gasket_S5_BF	1
4	0023-017910	Flue_Outer_Gasket_S5_BF	1
5	1013-017902	E4-32_Grate_Log_Bar_E4-32	1
6	1013-017903	Flue_Restictor_3_Point_35 mm	1
7	1500-017908	Flue_Inner_Weldment_Peak_2	1
8	1500-017911	Flue_Inner_Weldment Ø150 mm	1
9		Realflame burner set E4-31	1
10		Realflame burner set E4-31	1
11		Remote control Heta	1
12		Power plug adapter	1

# INSTALLATION MANUAL

## 1 CE STATEMENT

We hereby declare that the design and construction of the HETA gas appliances are complying to the essential demands and regulations for gas products.

### Product:

- Gas fireplace, local spaceheater

### Model:

- E4-32  
Scan-Line 8 Gas

Applicable EG-guidelines: (EU) 2016/426 (GAR)

Applicable harmonized norms:

- NEN-EN-613
- NEN-EN-613/A1

This declaration loses its validity when changes to the device are made without the written permission by Heta. You can ask for a copy of the test certificates of all models via our general e-mail adress, which is found on the back of this manual.

  
**Heta A/s**  
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Martin Bach

## 2 IMPORTANT SAFETY INFORMATION

The fireplace may only be installed by a qualified installer/dealer, following these installation instructions. We advise you to read these instructions properly, before commencing the installation of your device.

Before installation check the device for transport damage and inform your supplier immediately if damage is found.

Check the data on the data plate. The gas type and pressure should check out with those locally available. The data plate is mounted to the device. Make sure it is accessible at all times.

### Note:

This device may not be used a primary heat source!

This device is designed to be used with natural gas or LPG. The device can only be used with the type of gas specified on the data plate at the time of purchase.

The device may never be used when glass is broken or damaged. The flue gasses can get into the installation room. The settings and construction of the device must not be changed!

Parts are only to be changed with original parts by the original manufacturer.

The device is provided with a special set of decorative materials. Do not place any extra imitation logs or decoration material on the burner or in the combustion chamber. See chapter 11 for an instruction on how to arrange the decoration properly.

The glass and frame on this appliance acts as a fireguard conforming to BS: 1945 – 1971 and satisfies the Heating Appliance (Fireguards) regulations 1991. No part of the window or frame should be permanently removed. It does not give protection for young children aged or infirm, extra guarding (conforming to BS8423: 2002) should be considered so the special hazards that exist in nurseries and other places where there are young children, aged or infirm persons are minimized.

The heat that is coming from the device may effect the materials in its surroundings. Always take into account to correct safety distances. For more information see chapter 6.

### 3 WARRANTY

**NB:** Should a problem occur, that you are not able to fix yourself with the help of the support in Appendices A to C, please contact your installer or dealer.

The HETA devices on which this warranty is applicable are made of high quality materials. Should any problem or defects still occur the following provision are in effect;

1. Before any installation, the installer will ensure himself of the good quality and operation of the flue channel. The gas fireplaces are to be installed by a competent installer, according to the rules and regulations that are applicable in the country (or even region) of installation and those as described in this manual.
2. There is a warranty period of two years for all HETA devices, starting from the moment of purchase. The date of purchase should be mentioned clearly on the purchase invoice.
3. The ceramic glass is not included in the warranty, as are the physical or chemical outside influences during transport, storage or montage.
4. If a malfunction should occur during warranty period that is a consequence of an assembly error or material defect, HETA will provide a free replacement part to the installer, without compensation for disassembly or montage.
5. In case the installer is not able to fix the problem himself, a request can be made to HETA to do it for him, as long as the service can be done within the borders of the Benelux.
6. Only after consultation up front, the device or loose parts can be sent for check up or replacement. These goods are to be sent with the necessary warranty documents and the date of purchase.
7. When a house visit should occur for service purposes by HETA (within the borders of the Benelux) during warranty period, the right documentation (i.e. this page and a proof of purchase) should be available.

For a service provision to house, outside the warranty period, the following costs are being charged:

- Material costs
  - Working hours
  - Call-out costs
1. The warranty is not applicable in the following cases:
  2. When one of the previous points is not met
  3. When changes are made, of which HETA is not made aware of / has approved of upfront
  4. When device is not installed and/or used properly according to the installation manual.
  5. When other than the prescribed decoration material is used.
  6. When the device is installed (partially or fully) with other materials than prescribed in this manual.

## 4 REMOTE CONTROL WITH FULL ELECTRONIC IGNITION

The unit is operated using a remote control (Fig. 4.1) or the HETA Puck, connected to a receiver (Fig. 4.2).

The receiver is powered by 4 pen lite (type AA) batteries or a 6V adapter; 2 penlight batteries (type AAA) are used for the remote control. The life of the batteries is about a year with normal use.

Adjusting the communication code

Before using the appliance, a communication code must be set between the remote control and the receiver. The code is chosen at random from the 65000 available codes. Therefore there is a slim chance that other remotes in your area use the same code.

### 4.1 Please do the following

Press the reset button on the receiver until you hear two beeps. After the second longer signal, let go of the reset button (Fig. 4.2).

Within 20 seconds, press the down arrow on the remote control until you hear a sound signal. This is confirmation of the proper communication.

### 4.2 Igniting the pilot light

Check that the control knob (A) is in the ON position( Fig 4.3). Press the button on/off button of your remote control and continue to hold down (3 to 5 sec.) until you hear two short beeps.

The ignition sign will appear at the top of the screen (Fig. 4.1) Now release the button. The ignition procedure is started.

**NB:** If the pilot light doesn't remain lit after 3 attempts you must turn off the gas tap and warn your installer.

### Igniting the main burner

After starting the pilot, knob B will automatically rotate counter clockwise and the main burner will start burning (Fig 4.3). Always wait 5 minutes after killing the pilot light before you start the pilot flame again.

**NB:** The pilot light must ignite the main burner, evenly and without a thud, if it does thud, close the gas tap and warn your installer.

### 4.4 Switching off the fireplace

You switch off the fireplace by pressing the on/off button, this also turns off the pilot light! For a detailed description of the E-save remote control, please refer to the E-save manual which is included with the fireplace.

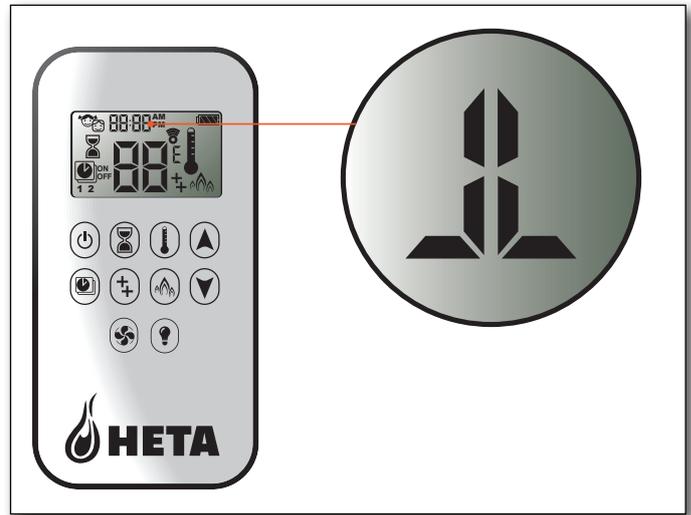


Figure 4.1 - Remote and ignition sign



Figure 4.2 - Receiver

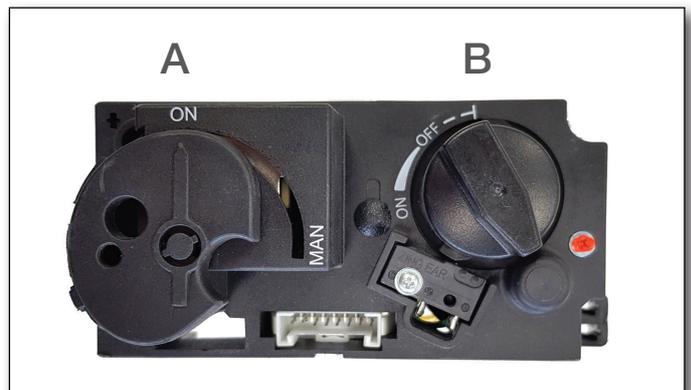


Figure 4.3 - Gas Block

## 5 INSTALLATION PREPARATION AND - INSTRUCTION

The device is developed, tested and approved conform the applicable standards for the usage, the performance and safety of the product. The installation of your device must apply to the current building prescriptions. We advise to make use of a qualified gas installer for the installation of your device. The installer can provide you with all information regarding the safety regulations of the installation.

### 5.1 Relevant norms and guidelines

- The installation must be carried out in accordance with the following regulations
- Department of the Environment, the Building Standards (Scotland) (Consolidation) Regulations issued by the Scottish Development Department.
- BS 5440 part 1
- BS 5871 part 2
- BS 6891.

In the Republic of Ireland the installation must also conform to the relevant standards, particularly in regard to flue sizing and ventilation. Refer to documents;

- IS813
- ICP3
- IS327
- Any other rules in force.

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

### 5.2 Attention points gas fireplace

This appliance is a Balanced Flue room sealed appliance, and as such needs no additional ventilation. However an adequate supply of fresh air to maintain temperatures and a comfortable environment is recommended. This appliance may be installed in a completely sealed or mechanically ventilated house.

### 5.3 Appliance Installation

- Determine the position required for the appliance.
- Create a gas connection for the appliance in approximately the correct location for the gas controls.
- The gas controls are connected to the burner of the appliance.
- This appliance must be securely fixed to the floor using the fixings built into the base of the appliance.
- Do not make any adjustments to the appliance.

### 5.4 Attention points gas connection

The gas connection should apply to the local norms in force. Calculate the diameter of the gas flue, such that no pressure loss is occurring in the pipes. Place a shut-off valve in the near vicinity of the device. Position the gas connection, such that it is always accessible for service purposes.

The gas block and receiver are under the combustion chamber, in the device, so that it is always accessible for service purposes.

### 5.5 Requirements flue and wall terminals

The European CE-marking for the device is only applicable to the flue materials specified by the supplier. The device must be installed with the stainless steel flue material US by Metaloterm/On top. The usage of other concentric stainless steel material is only permitted when it has the same technical specification as the previous mentioned systems. Only when these materials are used a good and safe performance can be promised by HETA.

This appliance may be installed with a roof terminal (C31) or a wall terminal (C11).

This appliance may only be used with Balanced Flue (otherwise known as Concentric Flue) parts as specified by HETA. The HETA specified flue parts have been approved with the appliance. If the appliance is installed on non-HETA approved parts, HETA cannot guarantee or accept and responsibility for the proper and safe working of the appliance.

The flue system must be constructed from the appliance upwards, with all joints being fully locked and sealed using the HETA specified parts.

### 5.6 Basements, Lightwells and Retaining walls

Flue terminals should not be sited within the confines of a basement area, light well or external space formed by a retaining wall, unless steps are taken to ensure the products of combustion can disperse safely at all times. It may be possible to install this Balanced Flue system in such a location provided that it is not sited lower than 1m from the top level of that area to allow combustion products to disperse safely.

Flue terminals should be sited to ensure total clearance of the combustion products in accordance with the included information.

When the products of combustion are discharged, they should not cause a nuisance to adjoining or adjacent properties and they should be positioned so that damage cannot occur to other parts of the building. If the outer wall surface is constructed of combustible material, a non-combustible plate should be fitted behind the terminal projecting 25mm beyond the external edges of the terminal.

## 6 FIRE SAFE INSTALLATION

To install a gas fireplace as safely as possible, several installation preparations need to be made. This overview can be used to assure the fire safety of a conversion of a fireplace.

### 6.1 Fire safety device set-up

Install the device such that there are no flammable materials around the device (Figure 6.1). The device must never be placed against a back wall of flammable materials.

Flammable materials, such as wood, can combust at a temperature of 85°C. At high temperatures this can happen within several minutes (over 200°C) or at lower temperatures (more than 85°C) this may occur over a period of weeks. A gas fireplace can achieve temperatures of over 200°C. Therefore one should use only non-flammable materials around the fireplace.

It is important to follow the installation regulations below carefully. When the regulations are insufficiently- or not provided with the aspects of fire safety, the instructions according to NPR 3378-20:2010 are leading.

#### 6.1.1 Protection of wall and ceiling

There are two kinds of walls/ceilings that can be distinguished, respectively;

Walls/ceilings that are made of – or contain flammable building materials, and all walls on which flammable objects (e.g. built-in furniture or wooden panels) are mounted on the side of the wall that is turned away from the fireplace.

Walls/ceilings made of mineral building materials (gas concrete, bricks, lime sandstone etcetera.) of more than 10cm thickness.

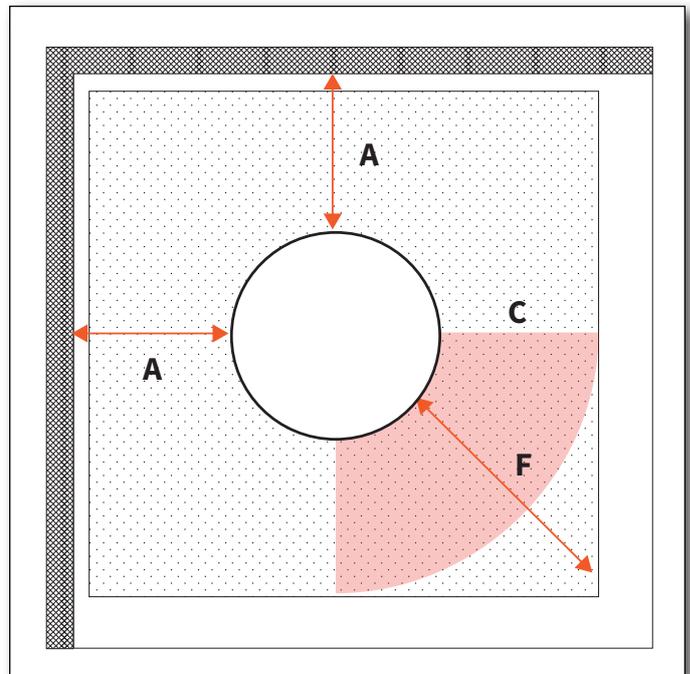


Figure 6.1 - Distances to combustible materials (top)

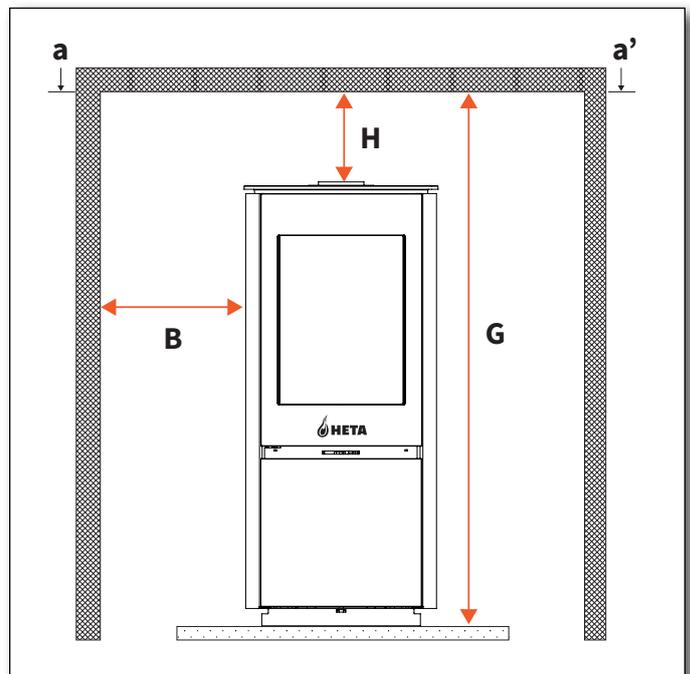


Figure 6.2 - Distances to combustible materials (front)

Letter	Minimum Distance to flammable materials (mm)
A	120
B	350
C	300
D	600
E	839
F	850
G	1237
H	320

## 6.2 Assembly regulations with flammable materials

(Figure 6.2 and 6.3)

Load-bearing walls and ceilings must be covered in a protective fire resistant plate.

Never use flammable materials around the fireplace. The minimal distance between the device and non-flammable materials must be at 120 mm to ensure a convection air flow.

### 6.2.1 Floor protection

The temperature of the floor under the device needs be less than 85°C and the floor of the conversion around the fireplace is to be constructed of non-flammable materials. If necessary the floor is to be covered with an insulation layer to protect it from unauthorized temperatures.

### 6.2.2 Radiation

When the fireplace is turned on, heat radiation will escape on all sides of the device and will heat up the environment. Therefore it is important that a minimal distance between the device and combustible materials is maintained. The distance between

As this is a room sealed appliance and the appliance stands appropriately and is securely fixed to the floor, a hearth is not required for this appliance.

### 6.2.3 Electrical pipes and connection

To cover the gas connection and electric wiring an additional pipe can be used on the back of the fireplace by removing the cover piece giving access to the controls under the combustion chamber (figure 6.4)

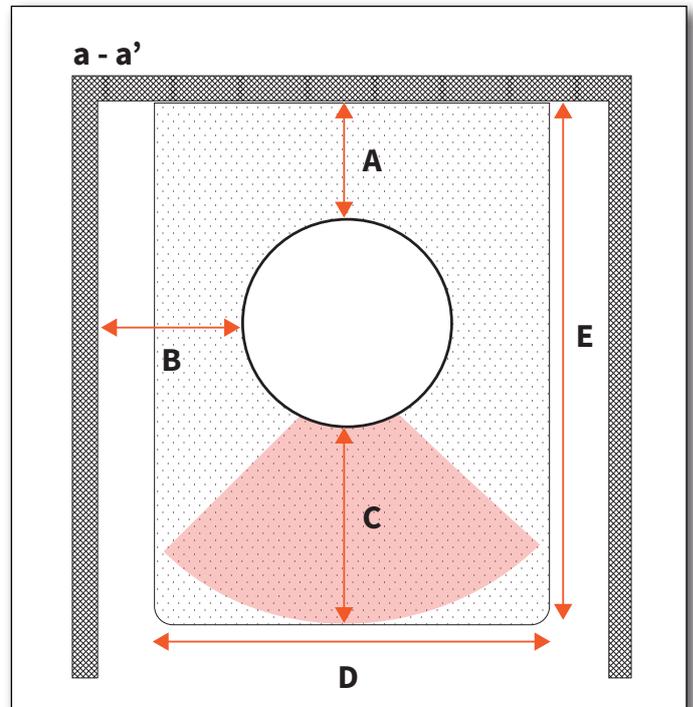


Figure 6.1 - Floor plate

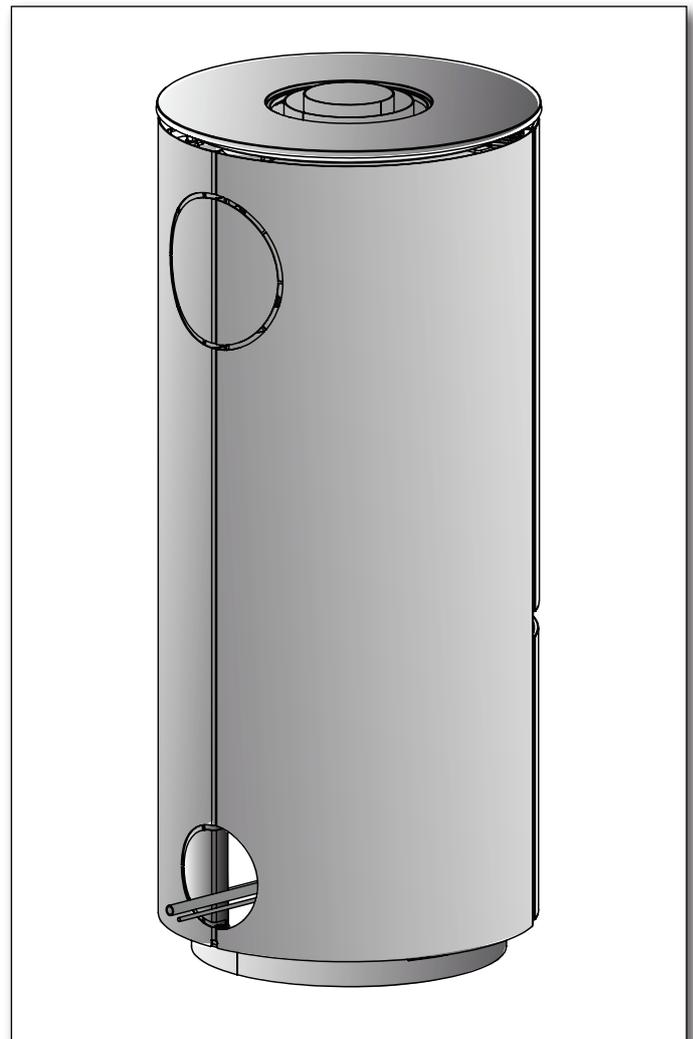


Figure 6.4 - Backside connection

## 7 ATTENTION POINTS GAS FLUE

To guarantee the fire safety regarding you flue gas configuration a casing is necessary. For this case non-combustible materials should be used. Make sure to ventilate a shaft and never to insulate it, to make sure the hot air is able to get away.

Every transit or terminal should be made such, that the warmth-insulation and non-combustability is guaranteed, according to the building regulation.

### 7.1 Installation of flue material

Follow the following instructions for the installation of flue materials;

- Drill a hole of 160 mm for the wall or roof transit with a 150 mm diameter flue connection, and 210 mm with a flue with a diameter of 200 m.
- Keep a distance of at least 50 mm between the outside of the concentric pipes and the wall or ceiling.
- Provide a (fire) safe transit construction in wall, floor or roof sheeting
- Build the system from the fireplace.
- Assemble pipes in the correct direction! The inner pipe goes into and the outer pipe goes over the fireplace connection.
- Make sure the tubes are sufficiently braced, so the weight of the tubes are not supported on the hearth.
- The concentric pipes could come loose due to expansion and cooling down. It is recommended that a chuck parker be used in places that are inaccessible after installation.
- The horizontal drain portion must be fitted sloping to the hearth.

#### 7.1.1 Adapting the length of the chimney

Not all parts can be adjusted! To fit the drainage system correctly, you are to use an adjustable fitting. You can use an adjustable concentric pipe, wall or roof fitting. To get a sealed flue gasconnection, the inner pipe must always be 2 cm longer than the outer pipe. Always attach adjustable parts with a chuck.

#### 7.1.2 Calculate chimney

For proper operation of the fireplace it is important that the flue pipe meets the requirements. Do determine this, we prepared a **calculation chart. (See APPENDIX E & F)**

## 8 INSTALLATION CHECK AND FIRST USAGE

### 8.1 Renovation/new construction

When firing up the device for the first time, make sure the device burns for several hours on the highest level, to ensure the lacker to harden. Make sure the device is ventilated enough so the possible released fumes are being abducted. We advice to be as little in the room as possible during this process.

Because a fireplace is a heat source, natural convection will occur around it. Solid particles in the circulating air may burn and settle down on cold surfaces, causing discoloration. Discoloration is an annoying problem and it is difficult to solve.

These particles can come from construction moisture or cigarette smoke, but also they might be volatile components in paint, construction materials or carpeting. For newly constructed chimneys or after a big reconstruction, it is advised to wait a minimum of six weeks before firing a fireplace.

### 8.2 Checking the gas lines

To be able to check on the gas lines, it is necessary to have the right equipment. If necessary take out the glass of the device and use the measuring point (see figure 8.1), to check the supply pressure on the gas pipes.

A = Supply pressure  
B = Burner pressure

Make sure the cables of the ignition are hanging loosely under the device, to ensure a good ignition. Remove any tie wraps or other cable binders. Check the pilot and second thermocouple for obstructions and check the air tightness of the system. Technical specifications can be found in **Appendix G**.

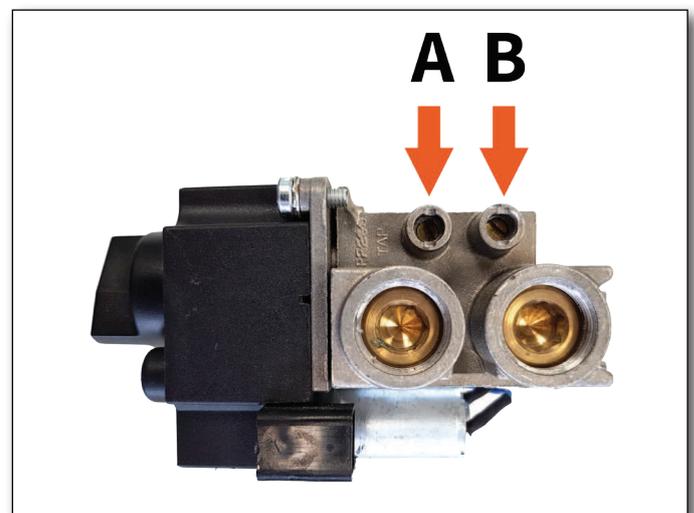


Figure 8.1 - Gas Block Measuring Points

# 9 ELECTRICAL CIRCUIT

Figure 9.1 shows a simplified connection circuit for the fireplace. Every fireplace is provided with a main adapter.

#	Omschrijving
(1)	Gas Block
(2)	Receiver
(3)	Main Burner
(4)	Second Burner
(5)	Third Burner
(6)	Pilot set
(7)	Second Thermocouple
(8)	Wifi-Box
(9)	Adapter 6V

## 9.1 Domotica

The receiver offers the possibility to be connected to a domotica system. A special connector is being supplied for this. Type: G60- ZCE

## 9.2 Element4 ProControl App.

It is possible to operate your device via smartphone or tablet with the ProControl App, available in the appstore

on iOS and google play on Android. The app has a user friendly, interactive layout and the design is adjusted for HETA devices. Up to eight devices can be used with one app, in the situation that multiple fire are installed in the same location.

Another functionality of the app is to pre-set the temperature of you device, for a period of one week, to ensure yourself of an optimal desired room temperature. Also the device can changed between high and low flames and it features an eco-setting.

The amount of users, that can operate the device is unlimited, so every family member can make use of it, by easily making a personal account. By two-way communication, one can check on the device at any moment.

To use the app, the device needs to be provided with the correct receiver and remote combination.

Necessities for the installation of the ProControl:

- 220 volt electricy near the fire
- Wi-Fi code of the router
- Smart Phone or tablet
- ProControl manual

Should any problems occur you can always check **APPENDIX B**.

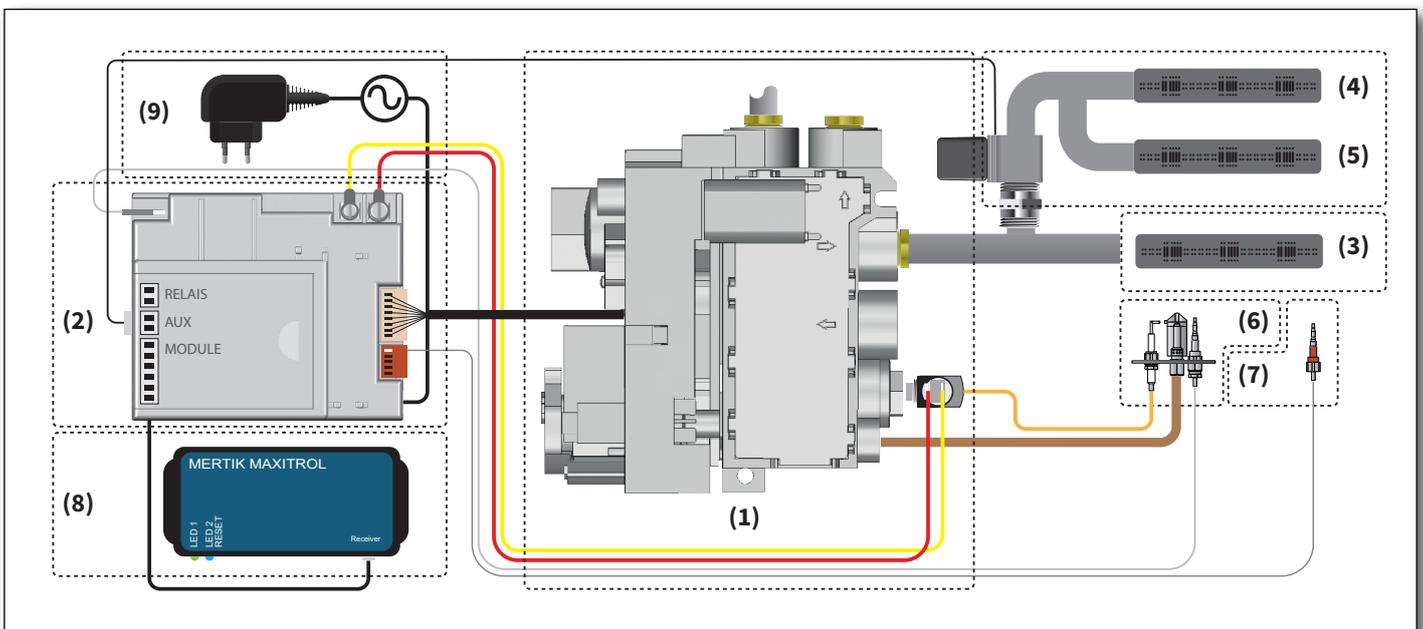


Figure 9.1 - Schematic Electronic Circuit

# 10 MAINTENANCE INSTRUCTION

This part of the manual focuses on maintenance. To ensure the optimal flame picture of your device, an annual maintenance by a competent company or installer is prescribed.

## 10.1 Maintenance

The Scan-Line 8 Gas fireplace (Figure 10.1) is easy in maintenance. The front of the fireplace has two doors which can be opened easily.

### 10.1.1 Electronics and gas parts

The bottom door offers room to all the electronics for the fireplace. Testing gas pressure or resetting the fire can be done from here. The door is opened by pulling it from the right side.

### 10.1.2 The combustion chamber

The combustion chamber can be opened via the bottom door. In the right corner a pin is situated that can be turned and pulled out to unlock the top door (Figure 10.2). This door, similar to the bottom door, can now be opened by pulling it from the right side.

**Important:**

Always open the fireplace when the fireplace is cooled down fully. Hot parts may easily cause burns.

## 10.2 Cleaning the glass

Keep in mind the following when cleaning glass:

- Always clean the glass at room temperature.
- Use cleaning supplies qualified by HETA.
- Use only a microfibre cloth. Other materials such as kitchen towels, steel wool etcetera can cause scratches or damage the coating on the glass.
- Should there occur stains on the glass, remove them regularly, for the can burn the glass.



Figure 10.1 - Scan-Line 8 Gas Isometric overview

## 10.3 HOW TO OPEN THE DOOR

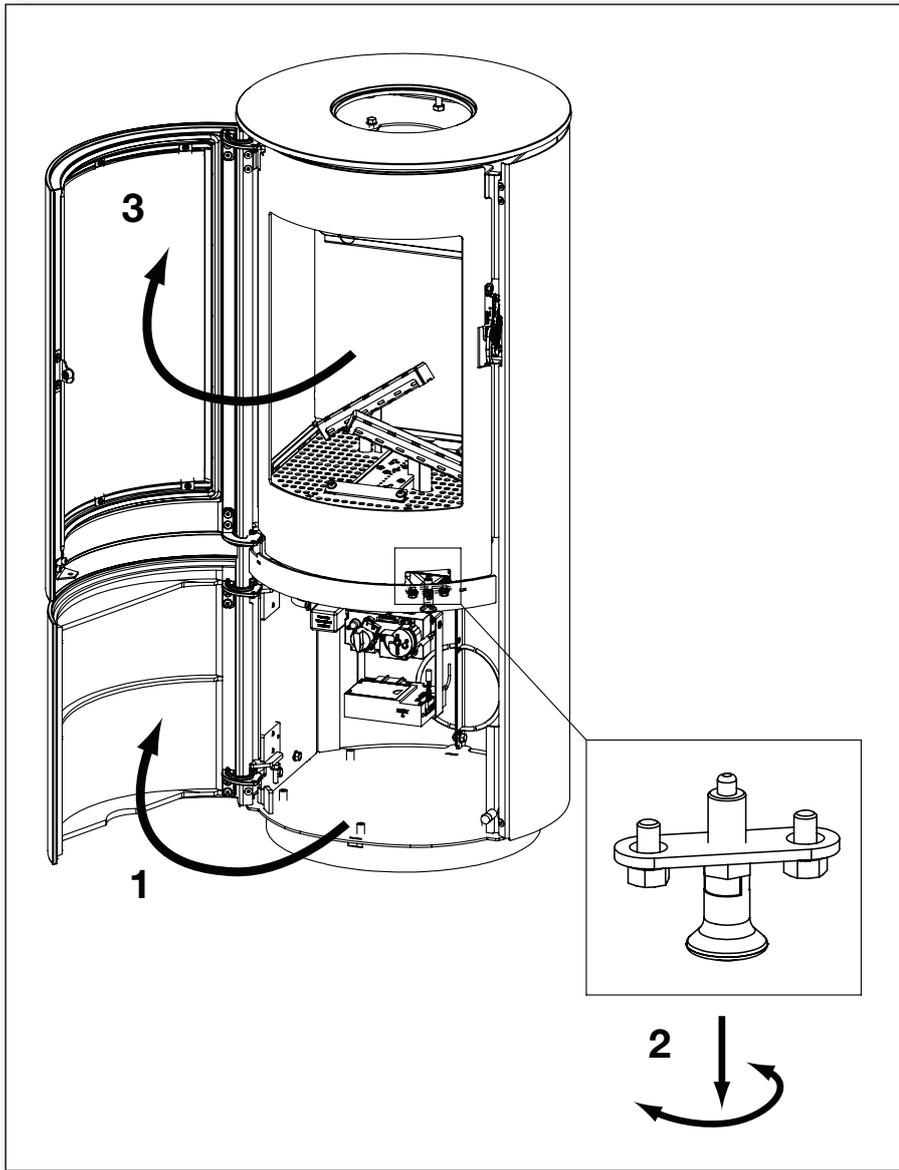


Figure 10.2 - Opening the top door

# 11 DECORATION ARRANGEMENT

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

An elaborate decoration instruction is found on the sheet in the logset that comes with the fire. These instructions show you how to decorate the fire step by step.

Position the decoration logs as shown on the image below.

Make sure that the pilot flame area and the second thermocouple are always free of any decorative material to make certain that the fire will ignite without problems. (figure 11.2)

Not doing so may cause the fire to explode on ignition!



Figure 11.1. - Logset Ovation



Figure 11.2 - Pilot and second thermocouple position



Figure 11.3 - Logset decoration instruction

## 12 USER INSTRUCTION

We recommend that you have the appliance inspected annually by a recognized installer to ensure safe use and a long service life guarantee

### 12.1 Hand over to the customer

- User manual
- Installation manual
- Instruction card decoration material
- Suction cups
- Remote control

### 12.2 Maintenance instructions for the installer

#### 12.2.1 4. Servicing

Turn the appliance OFF and isolate the gas supply. Ensure the appliance is fully cold before attempting to start servicing the appliance. No liability can be accepted by HETA for injury caused by burning or scolding by a hot appliance.

A suggested procedure for servicing is listed below.

1. Lay out dust sheet on flooring, mask off any special fireplace materials.
2. Open Outer Firebox Access Door.
3. Remove Inner Access Door.
4. Carefully remove the Ceramic components (including Embers) or Gravels
5. Use a Vacuum cleaner to clean the top of the burners and grate
6. Remove Grate
7. Use the vacuum cleaner and a soft brush to clean the pilot assembly and both Injectors. It may be easier to access the Injector by removing the Throttle. Never modify or bend the Thermocouple.
8. Clean the Window Panel.
9. Turn on the gas supply and check for leaks, check the burners and Pilot for good condition and operation
10. Replace Grate
11. Replace the Firebed arrangements
12. Replace the access doors.
13. Check the flue system and terminal, making sure that the terminal vent is fully clear
14. Light the appliance and test setting pressures
15. Check the safe operation of the appliance.

#### 12.2.2 Servicing the Burner

A fault finding chart is included in the appendix for the Mertik control system fitted to this appliance. Access the Burner as detailed in 1 - 6 above.

The pilot is now clearly visible, the pilot, including the Thermocouple, can be replaced/serviced by removing raising the pilot assembly from its mounting. This is done by removing the two screws on the surface of the pilot. The fittings on the under-side of the pilot can be un-done using a 10mm spanner where appropriate. The main bur-

ner injectors can be accessed from the underside of the appliance. If the burner requires to be removed, this may be done by removing the 4xM6 fixings inside the firebox, the burner will lift out through the Firebox.

### 12.3 Ceramic parts

This appliance is equipped with a ceramic fire bed with heat-resistant ceramic fibers, or artificial glassy silicate fibers. Excessive exposure to this material may cause irritation to the eyes, skin and respiratory tract. We therefore recommend that the dust emission is reduced as much as possible when handling these materials

#### 12.3.1 Cleaning the Ceramics

Remove the ceramics as detailed in 1 - 5 above.

Gently clean the ceramics in the open air, using a soft brush and a vacuum cleaner. Where necessary replace damaged components only with genuine Element4 specified parts. Seal any scrap ceramics in plastic bags and dispose at proper refuse sites. When using a vacuum cleaner, it is recommended that one with a HEPA filtering system is used.

Re-fit the firebed arrangement, reseal the appliance and check the safe operation of the appliance.

### 12.4 Replacement of parts

If parts need to be replaced, use only original parts from the manufacturer. The warranty will be void if non-standard parts are used. In addition, they can be dangerous.

### 12.5 Packaging materials

The packaging of the device is recyclable.

The following packaging materials may have been used:

- Cardboard
- CFC-free foam (soft)
- Wood
- Plastic
- Paper

These materials must be disposed of in a responsible manner and in accordance with government regulations.

Batteries are regarded as chemical waste. The batteries must be disposed of in a responsible manner and in accordance with government regulations. Remove the batteries first before discarding the remote control.

The government can also provide information about the responsible disposal of discarded appliances.

# APPENDICES

## A FIRST AID FOR MALFUNCTION

Below you will find an overview of the possible cause and solution in the event of a failure.

Problem	Possible Cause	Solution
<b>A No transmission (motor will not run)</b>	1 Batteries in the receiver empty	Replace the batteries (4x 1.5V AA)
	2 Batteries hand remote empty	Replace the batteries (2x 1.5V AAA)
	3 6V-adapter defective	Check the adapter Replace the adapter if necessary
	4 Hand transmitter not linked to the receiver	Connect the hand transmitter to the receiver Press and hold the reset button until you hear two beeps. After the second longer tone, release the reset button. Press within 20 sec. on the down arrow on the hand transmitter Two short beeps confirm that the code has been set.  <b>Tip:</b> For this action a video is available on our youtube channel
<b>B Receiver does not receive a signal</b>	1 Receiver defective	Replace receiver
	2 Bend pin connection on the receiver	Bend the pen straight again (See Figure A.1)
	3 Hand transmitter defective	Replace the hand transmitter
	4 No or bad reception. The receiver is in a metal box! This disturbs the reception.	Change the position of the antenna (See <b>Figure A.2</b> )
<b>C No ignition; no beep</b>	1 Receiver defective	Reset the receiver (See <b>K1</b> ) If necessary, replace the receiver
<b>D No ignition; receiver gives a five-second beep</b>	1 Loose contact in the thermocouple circuit / wiring 2nd thermocouple	Check plug connections Repair the wiring if necessary
	2 Receiver defective	Replace receiver
	3 Magnetic coil defective	Replace gas block / or only coil coil
	4 Bent pin connection on the receiver	See <b>B2</b>
	5 Thermocouple broken	Check the thermocouple at the bottom of the pilot burner if necessary. fracture. Replace the thermocouple if necessary
<b>E Ignition stops after 1 spark</b>	1 Mass on the gas block not OK	Remove the 20 mm Torx screw (See <b>Figure A.3</b> ) File or scrape the surface thoroughly <ul style="list-style-type: none"> <li>Reinstall the Screw and tighten it securely</li> </ul> <b>Tip:</b> For this action a video is available on our youtube channel
<b>F No pilot flame but there is an ignition</b>	1 No gas	Check / measure gas inlet pressure
	2 Air in the gas line	Venting the gas line can be done via test point A ( <b>Figure A.4</b> )  <b>Tip:</b> For this action a video is available on our youtube channel
	3 Pilot flame blocked	Check pilot burner
	4 Thermocouple wiring is incorrect	Check the wiring on the interrupter (See <b>Fig. A.5</b> ) Check the wiring on the receiver (See <b>Fig. A.6</b> )

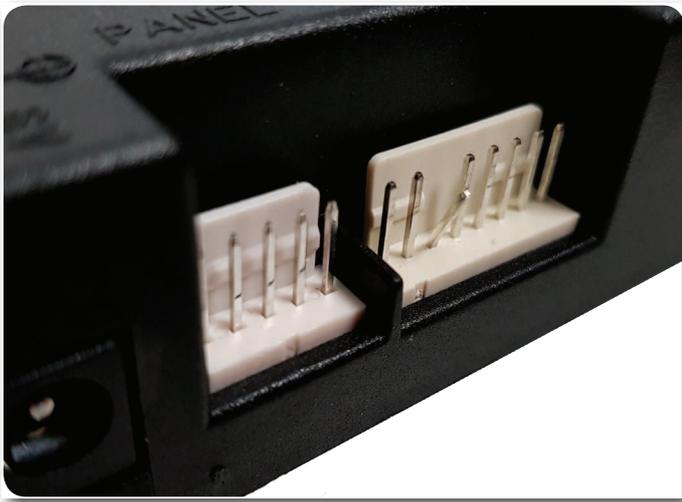


Figure A-1: Bend pin

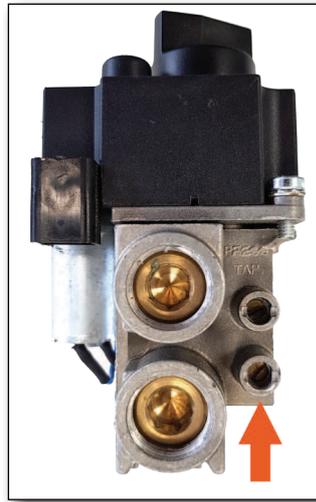


Figure A-4: Testpoint A

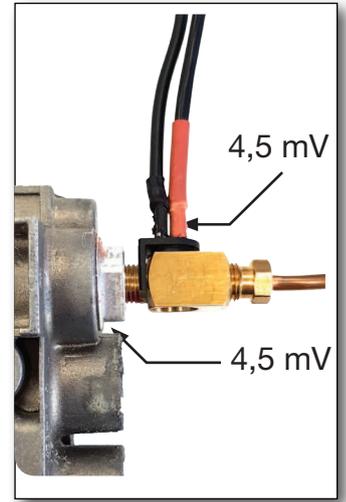


Figure A-5: interrupter

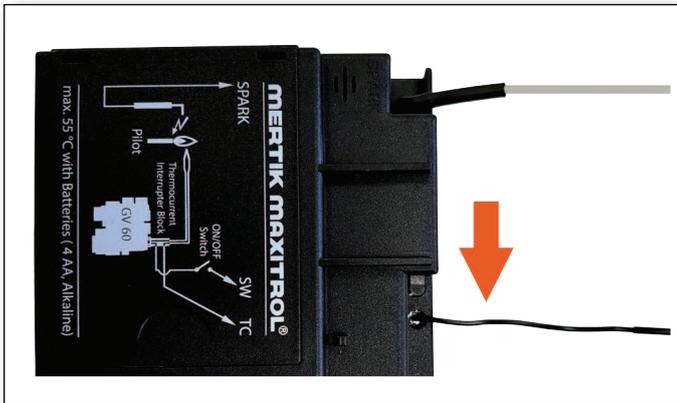


Figure A-2: Antenna

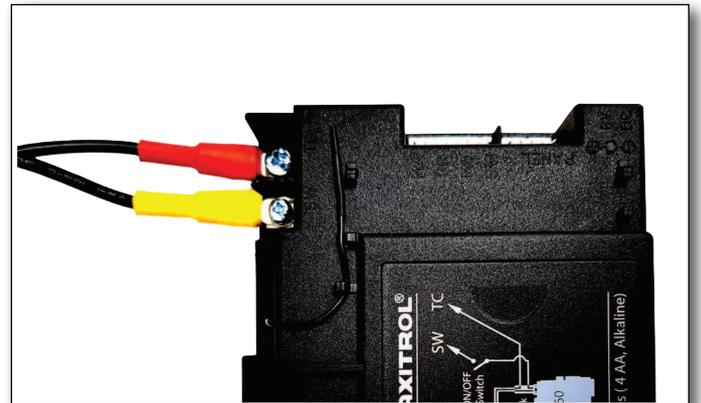


Figure A-6: Wiring receiver

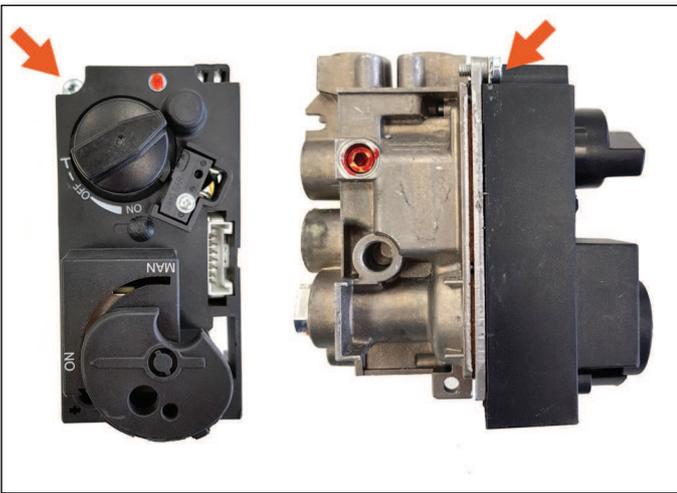


Figure A-3: Torx screw

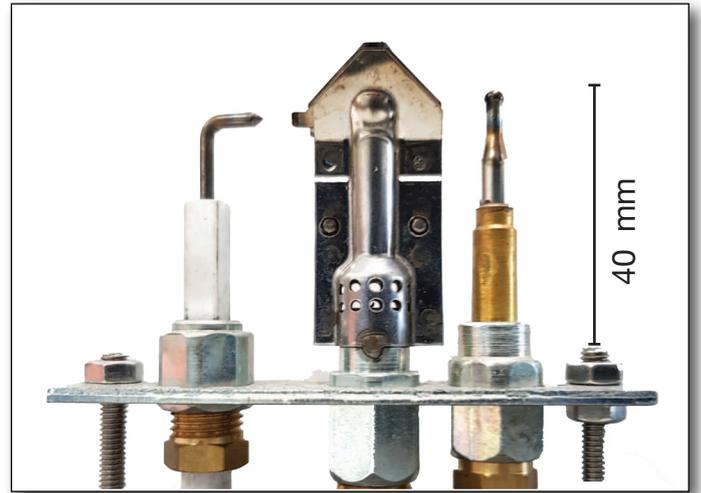


Figure A-7: Pilot set

Problem	Possible Cause	Solution
<b>G</b> The pilot light goes on but goes out immediately when the main burner switches on	1 Insufficient voltage across the thermocouple or too much resistance in the thermocouple circuit	Place the measuring pins of the multimeter on the ground and black cable of the breaker. This value must be at least 4.5 mV.  <b>Tip:</b> For this action a video is available on our youtube channel
	2 Gas pressure loss may cause the pilot flame to be too small	Check and measure the pre-pressure via test point A (See <b>Figure A.4</b> )  <b>Tip 1:</b> Measure the pre-pressure load and unloaded <b>Tip 2:</b> For this action a video is available on our youtube channel
	3 Thermocouple defect	Replace thermocouple  <b>Tip:</b> Always use a new pressure piece when a thermocouple is replaced
	4 Thermocouple is incorrectly positioned	Check the position of the second thermocouple. (See <b>Figure A.7</b> )
<b>H</b> Check the position of the second thermocouple. (See <b>Figure A-7</b> )	1 Decoration material blocks 2nd thermocouple	Leave the space around and at the 2nd thermocouple free of decorative material. (See <b>Figure A.8</b> )
	2 Burner grille does not fit well with the 2nd thermocouple	Position burner grate
	3 Airflow in the burner chamber causes a restless fire image	Check drain configuration Fit a flue gas limiter
<b>I</b> Receiver gives 3 short beeps after each command:	1 Batteries in the receiver are empty	Replace the batteries 4x 1.5V AA
<b>J</b> Pilot is on but the main burner does not start working:	1 Gas valve is on manual	Set Knob A must be in the ON position
<b>K</b> Double burner does not work:	1 RESET the receiver	Briefly press the RESET button and the receiver sounds 1 beep (See <b>Figure A.10</b> )
	2 Wiring loose on the receiver	Click the plug in the AUX position on the receiver. (See <b>Figure A.11</b> )
	3 Solenoid valve does not switch	Replace the solenoid valve.  <b>Tip:</b> Only connect a new valve to the receiver first
	4 Remote defective.	Check if the AUX symbol is on the display when you press the PLUS PLUS key on the remote. (See <b>Figure A.12</b> )
<b>L</b> No response from the receiver when the fireplace is started via smartphone or tablet.		Disconnect the Wi-Fi box from the receiver Click the plug from the SI connection on the receiver (See <b>Figure A.13</b> )  <b>Tip:</b> Reset the home router  If the fireplace now functions normally, check the Wi-Fi settings
<b>M</b> Hearth does not respond via Domotica system		Disconnect the cabling on the Domotica system and start the fire with the hand transmitter  When the fireplace now reacts normally, the problem is in the Domotics

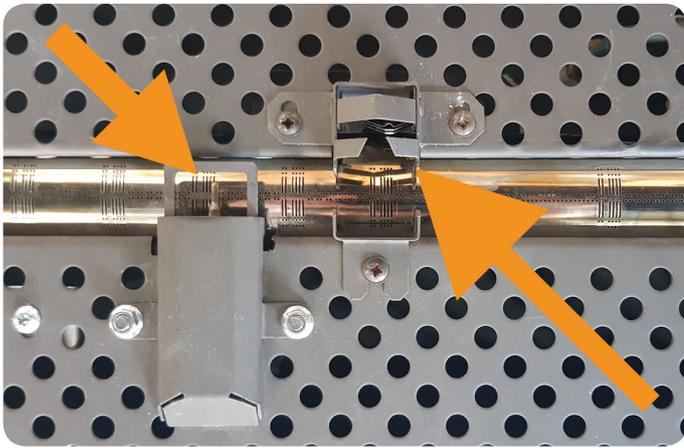


Figure A.8: Second thermocouple

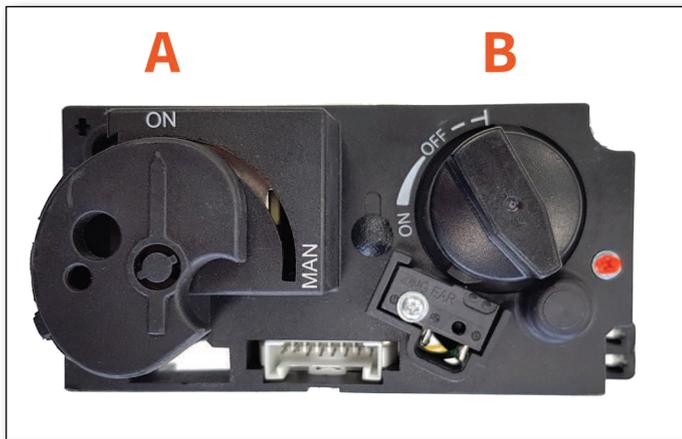


Figure A.9: Button A on "On"



Figure A.10: RESET-button



Figure A.11: Aux-position receiver

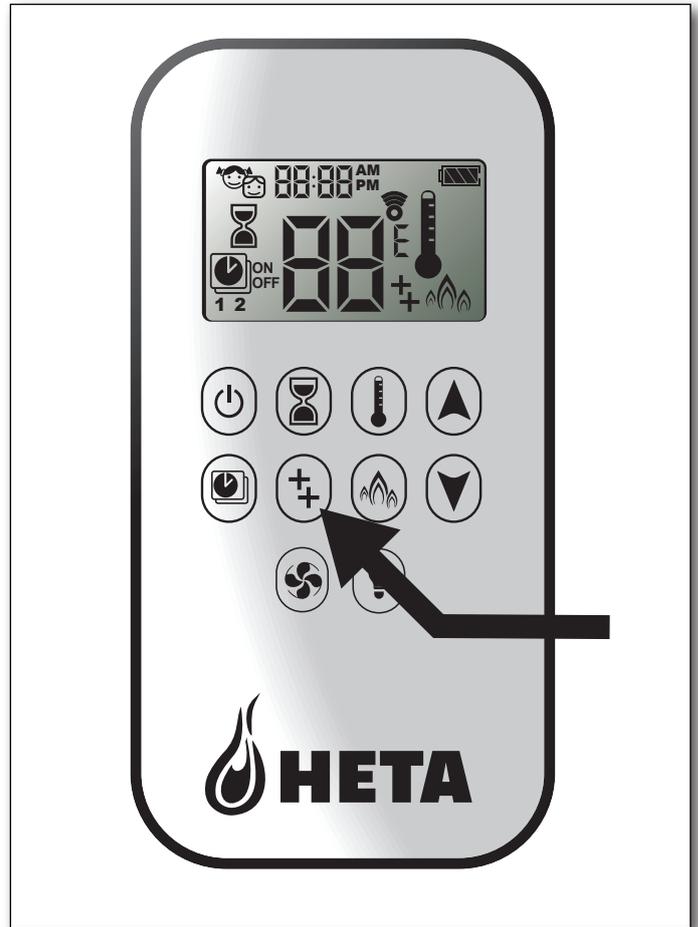


Figure A.11: "Double plus"-button on the remote



Figure A.13: SI-port

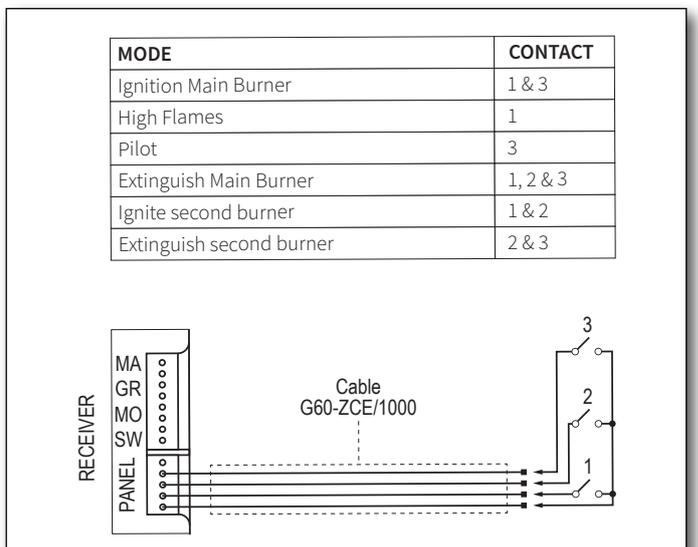


Figure A.14: Domotica system

# B ERRORS CODES PROCONTROL APP

## B.1 Messages shown in app

Error code	Message in App	Description	Possible cause
F02	Contact Service.	<ul style="list-style-type: none"> <li>5 sec. beep from Receiver</li> <li>Fire is not responding; no ignition</li> </ul>	<ul style="list-style-type: none"> <li>Microswitch not making contact with cam on motor knob</li> <li>Motor wiring is incorrect</li> <li>Reversed polarity or faulty Microswitch</li> <li>Bent Motor Knob</li> </ul>
F03	Contact Service.	<ul style="list-style-type: none"> <li>5 sec. beep from Receiver</li> <li>Ignition process is interrupted</li> <li>Fire is not responding; no ignition</li> </ul>	<ul style="list-style-type: none"> <li>Thermocouple wiring is incorrect</li> <li>Thermocouple wiring is not connected</li> <li>ON / OFF switch in O (OFF) position</li> </ul>
F04	Ignition Sequence Malfunction. Wait 1 minute. Retry ignition.	<ul style="list-style-type: none"> <li>No pilot flame within 30 sec.</li> <li>NOTE: After 3 failed ignition sequences F06 shown</li> </ul>	<ul style="list-style-type: none"> <li>No gas supply</li> <li>Air in pilot supply line</li> <li>No spark</li> <li>Reversed polarity in thermocouple wiring</li> <li>Check for correct pilot orifice (LPG to NG or vice versa)</li> </ul>
F05	Contact Service.	<ul style="list-style-type: none"> <li>Pilot burner fails to ignite or shuts off</li> <li>Motor stays in pilot position</li> </ul>	<ul style="list-style-type: none"> <li>Not enough thermo-voltage</li> <li>Air in the pilot supply line</li> <li>Low inlet pressure</li> <li>Bad thermocouple</li> </ul>
F06	Contact Service.	<ul style="list-style-type: none"> <li>3 failed ignition sequences within 5 minutes</li> <li>Fire is not responding; no pilot flame</li> </ul>	<ul style="list-style-type: none"> <li>No gas supply</li> <li>Air in pilot supply line</li> <li>No spark</li> <li>Reversed polarity in thermocouple wiring</li> <li>Check for correct pilot orifice (LPG to NG or vice versa)</li> </ul>
F07	Replace Handset Batteries.	<ul style="list-style-type: none"> <li>Battery icon flashes on handset display</li> </ul>	<ul style="list-style-type: none"> <li>Low battery power in handset</li> </ul>
F08	Contact Service.	<ul style="list-style-type: none"> <li>Low Receiver battery power supply</li> <li>Short beeps for 3 sec. during motor turn</li> </ul>	<ul style="list-style-type: none"> <li>Low Receiver battery power supply</li> </ul>
F10	Contact Service.	<ul style="list-style-type: none"> <li>Pilot lit</li> <li>Main burner fails to ignite and pilot shuts off</li> <li>Ignition is blocked for 2 minutes</li> </ul>	<ul style="list-style-type: none"> <li>2nd thermocouple is out of position</li> <li>2nd thermocouple wiring is incorrect</li> <li>Gas logs out of position</li> <li>Gas ports for burner are blocked</li> </ul>
F12	Contact Service.	<ul style="list-style-type: none"> <li>Motor turns to pilot position</li> </ul>	<ul style="list-style-type: none"> <li>Receiver powered by batteries and Receiver temperature exceeds 60 °C</li> <li>Check air circulation and heat shield</li> </ul>
F13	Contact Service.	<ul style="list-style-type: none"> <li>Motor turns to pilot position</li> <li>Fan at level 4 for 10 minutes (T &gt; 80 °C)</li> </ul>	<ul style="list-style-type: none"> <li>Receiver temperature exceeds 80°C</li> <li>Check air circulation and heat shield</li> </ul>
F14	Contact Service.	<ul style="list-style-type: none"> <li>5 sec. beep from Receiver</li> <li>Fire is not responding; no ignition</li> </ul>	<ul style="list-style-type: none"> <li>Receiver software doesn't support a 2nd thermocouple</li> <li>Wrong Receiver</li> </ul>
F15	Contact Service.	<ul style="list-style-type: none"> <li>5 sec. beep from Receiver</li> <li>Fire is not responding; no ignition</li> </ul>	<ul style="list-style-type: none"> <li>2nd thermocouple wiring is incorrect</li> <li>2nd thermocouple wiring is not connected</li> </ul>
F16	Handset out of range.	<ul style="list-style-type: none"> <li>No temperature shown in App</li> </ul>	<ul style="list-style-type: none"> <li>Handset out of range for more than 1.5 h</li> <li>Electrical interference</li> </ul>
F17	Contact Service.	<ul style="list-style-type: none"> <li>Fire is not responding; no ignition</li> </ul>	<ul style="list-style-type: none"> <li>Inlet voltage exceeds 7.25 V</li> <li>Malfunction of Mains Adapter</li> </ul>
F18	Contact Service.	<ul style="list-style-type: none"> <li>Switch panel / touch pad not functioning</li> </ul>	<ul style="list-style-type: none"> <li>Switch panel / touch pad is locked</li> <li>Short in cable or button</li> </ul>
F19	Contact Service.	<ul style="list-style-type: none"> <li>Pilot drops when Motor opens main gas</li> </ul>	<ul style="list-style-type: none"> <li>Insufficient thermo-voltage</li> <li>Thermocouple malfunction</li> <li>Low inlet gas pressure</li> <li>Improper thermocouple flame impingement</li> <li>Carbon build-up on thermocouple</li> <li>Valve malfunction</li> <li>Resistance in thermocurrent circuit</li> </ul>
F26	Contact Service.	<ul style="list-style-type: none"> <li>It is not possible to increase flame height after ignition</li> <li>Fan at level 4 for 10 minutes (T &gt; 80 °C)</li> </ul>	<ul style="list-style-type: none"> <li>Receiver powered by batteries and Receiver temperature exceeds 60°C</li> <li>Receiver powered by mains power and Receiver temperature exceeds 80°C</li> </ul>
F27	Contact Service.	<ul style="list-style-type: none"> <li>Fire is not responding</li> <li>No electronic control of fire</li> </ul>	<ul style="list-style-type: none"> <li>No handset or Wi-Fi Box connected to Receiver for more than 3 hours</li> </ul>
F28	On-Demand Pilot	<ul style="list-style-type: none"> <li>Pilot shuts off after a predefined time</li> </ul>	<ul style="list-style-type: none"> <li>Pilot shuts off after no motor movement for a predetermined time</li> </ul>

Error code	Message in App	Description	Possible cause
F31	Contact Service.	<ul style="list-style-type: none"> <li>Fire is not responding</li> <li>No electronic control of fire</li> </ul>	<ul style="list-style-type: none"> <li>Receiver or Wi-Fi Box malfunction</li> <li>Connection cable from Receiver to Wi-Fi Box defective</li> </ul>
F41	Check Wi-Fi	<ul style="list-style-type: none"> <li>Fire is not responding</li> <li>No electronic control of fire</li> </ul>	<ul style="list-style-type: none"> <li>No Wi-Fi connection to myfire Wi-Fi Box, router and / or smart device</li> <li>Wi-Fi in smart device is deactivated</li> </ul>
F42	Check Wi-Fi	<ul style="list-style-type: none"> <li>Fire is not responding</li> <li>No electronic control of fire</li> </ul>	<ul style="list-style-type: none"> <li>No power to router</li> <li>No Wi-Fi connection to router and / or smart device</li> <li>Smart device not in the correct home network</li> </ul>
F43	No Receiver Connected. Contact Service.	<ul style="list-style-type: none"> <li>Fire is not responding</li> <li>No electronic control of fire</li> </ul>	<ul style="list-style-type: none"> <li>No communication between Receiver and myfire Wi-Fi Box</li> </ul>
F44	Contact Service.	<ul style="list-style-type: none"> <li>No temperature shown in App</li> <li>N.a. (not applicable) displayed in App</li> </ul>	<ul style="list-style-type: none"> <li>Handset not within range</li> <li>Low battery power in handset</li> </ul>
F49	Contact Service.	<ul style="list-style-type: none"> <li>No electronic control of fire</li> </ul>	<ul style="list-style-type: none"> <li>Receiver software &lt; 8.32 is not supported by myfire Wi-Fi Box Version 2</li> </ul>
F50	Contact Service.	<ul style="list-style-type: none"> <li>No electronic control of fire</li> </ul>	<ul style="list-style-type: none"> <li>Handset software &lt; SW 231 is not supported by the myfire Wi-Fi Box Version 2</li> </ul>

## B.2 Messages shown in remote

Error code	App Message	Time	Description	Possible Cause
F04	F04	4 sec.	<ul style="list-style-type: none"> <li>No pilot flame within 30 sec.</li> <li>NOTE: After 3 failed ignition sequences F06 shown</li> </ul>	<ul style="list-style-type: none"> <li>No gas supply</li> <li>Air in pilot supply line</li> <li>No spark</li> <li>Reversed polarity in thermocouple wiring</li> </ul>
F06	F06	4 sec.	<ul style="list-style-type: none"> <li>3 failed ignition sequences within 5 minutes</li> <li>Fire is not responding; no pilot flame</li> </ul>	<ul style="list-style-type: none"> <li>No gas supply</li> <li>Air in pilot supply line</li> <li>No spark</li> <li>Reversed polarity in thermocouple wiring</li> <li>Check for correct pilot orifice (LPG to NG or vice versa)</li> </ul>
F07	F07	Until batteries replaced	<ul style="list-style-type: none"> <li>Battery icon flashes on handset display</li> </ul>	<ul style="list-style-type: none"> <li>Low battery power in handset</li> </ul>
F09	F09	4 sec.	<ul style="list-style-type: none"> <li>Fire is not responding</li> <li>No electronic control of fire</li> </ul>	<ul style="list-style-type: none"> <li>Down arrow button was not pressed during pairing</li> <li>Receiver and handset are not synced</li> </ul>
F46	F46	4 sec.	<ul style="list-style-type: none"> <li>Fire is not responding</li> <li>Intermittent response</li> <li>No electronic control of fire</li> </ul>	<ul style="list-style-type: none"> <li>No or bad connection between receiver and handset</li> <li>No power at Receiver (batteries low)</li> <li>Mains adapter faulty, set not communicating with Receiver)</li> </ul>

# C FAULTS AND ERROR CODES IN THE REMOTE

This appendix can be consulted when error messages occur in the application for smartphone and tablet.

## C.1 F41 error

This message will appear if there is no or bad Wi-Fi reception, this can be between app and router or Wi-Fi box and router

By closing the App and opening it again, this is solved in most cases.

### Cause

The cause may be that the ProControl module is blocked or is too far away from the router.

See: **router information.**

### Possible solution

- Only place an external router for the ProControl module
- Strengthen existing Wi-Fi signal
- Resetting the router.

## C.2 Router information

### C.2.1 Minimum requirement

Compatible with IEEE 802.11n / g / b

- WPA2 encryption
- Radio frequency 2.4 GHz band
- Wireless automatic channel: Automated search for WLAN radio channel that is free from interference.
- Support for the User Datagram Protocol (UDP)

### C2.2 Wi-Fi Router

It is important to think carefully about the location of a router. This device spreads the wifi signal in and around your home. Therefore, preferably choose a central position. You prevent long distances from occurring. Many people put the router in the meter cupboard, because that is where the internet comes in at many households. A bad choice! For a powerful WiFi signal, the router needs as much space as possible. Therefore, do not place the device near a wall or on the ground. Some routers have multiple antennas that you can target. Try to spread these antennas so that you increase the range.

### C.2.3 Jammers

Many devices also emit radio waves just like your router. These include microwave ovens, wireless doorbells, baby monitors, Bluetooth adapters, wireless music systems, DECT telephones and security cameras. These devices can disrupt your wireless network (interference), so the Wi-Fi connection is not optimal. Try to keep jammers as far away as possible from the router. Neighboring wireless networks also play a role in the Wi-Fi area.

## C 2.4 Frequency

By default, most routers use the 2.4 GHz band to broadcast the Wi-Fi signal. The disadvantage is that this frequency band is very busy, so that there is quickly interference. There are a lot of competing users and jammers using the same radio waves.

Since most “older” laptops, smartphones, tablets and other devices can not connect via the 5GHz band, the ProControl module is not suitable for 5GHz band.

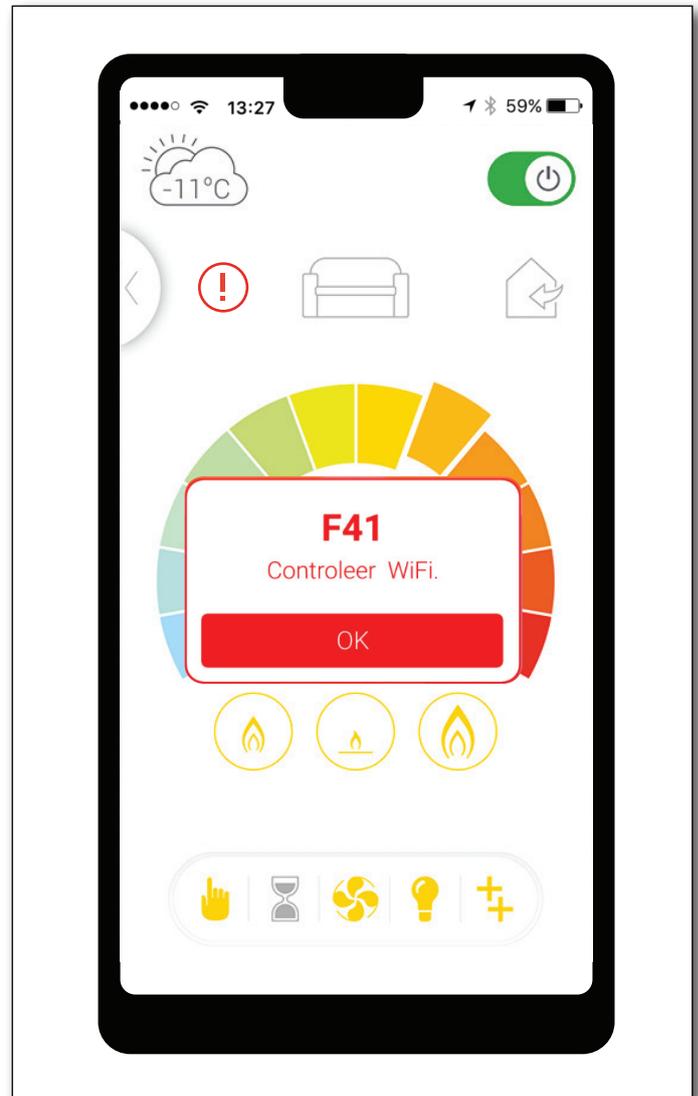


Figure C.1 - Error F41 screen of the ProControl App

# D LOCATION TERMINAL

## D.1 Terminal location with vertical exhaust (C11)

Distance	Exhaust 1,2 of 3
At the same roof level	> 6 m *
At a different roof level	> 3 m * & **
On a lower wall	> 2 m *
On a higher sloping surface	> 6 m ***

“Distance” = minimum distance required to position the exhaust in order to prevent adverse effects in relation to;

1. A ventilation opening of a used room, toilet or bathroom
2. Supply of heated air when the supply flows through a used room.
3. A window that can be opened and located in the vicinity of a used room, toilet or bathroom.

- \* If the required distance is not feasible, the rules regarding the exit position have priority.
  - \*\* If the exhaust is placed at least one meter higher than the inlet opening, or a window that can be opened.
  - \*\*\* If the required distance is not feasible, the exhaust must be placed at least one meter above the highest façade / roof.
- (4) The terminal may not be placed closer than 300 mm to an opening in the building such as a window frame.

## D.2 Terminal location with Horizontal exhaust (C31)

	Position terminal	dist. (mm)
<b>A*</b>	Directly below an opening, ventilation stone, casement window etc.	600
<b>B</b>	Above an opening, ventilation stone, casement window etc.	300
<b>C</b>	In addition to an opening, ventilation stone, casement window etc.	400
<b>D</b>	Under gutters or drain pipes	300
<b>E</b>	Under eaves	300
<b>F</b>	Under balconies or roofs of open garages	600
<b>G</b>	From a vertical drain pipe	300
<b>H</b>	From an inside or outside corner	600
<b>I</b>	Above ground roof or balcony level	300
<b>J</b>	From a surface opposite the tip	600
<b>K</b>	From an end opposite the tip	600
<b>L</b>	From an opening in the open garage (eg door, window in the house)	1200
<b>M</b>	Vertically from one end to the same wall	1500
<b>N</b>	Horizontally from one end to the same wall	300
<b>P</b>	From a vertical structure on the roof	600
<b>Q</b>	Above the intersection with the roof	150

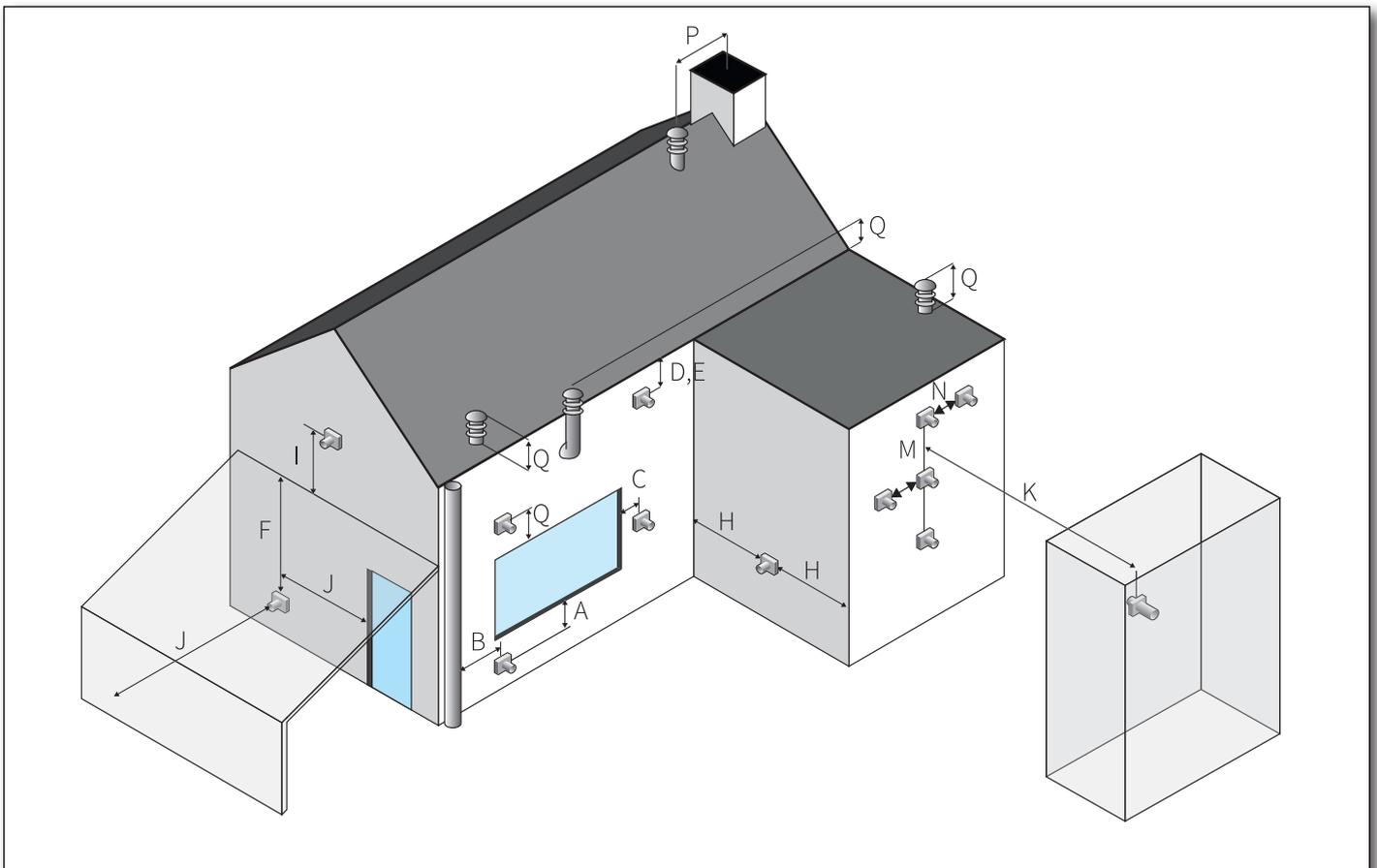


Figure D.1 - Terminal Location

# E GENERAL RULES FOR FLUE GAS EXTRACTION

## E.1 Power-Fan

For flue configurations that do not function on natural draft, the PowerFan can be used. For extensive installation instructions and the operation of the PowerFan we refer to the manual of the PowerFan.

## E.2 Determining the flue gas extraction diameter

The general rule is that you must always adhere to a flue diameter of 200/130. You always start with a vertical length of ½ meter

Except :

- When the stove flue pipe connection is 150/100 mm.
- when your flue only gradates vertically, in which case you may taper directly onto the stove, to a diameter of 150/100.

### E.2.1 Determining maximum vertical length:

If you have tapered your flue gas extraction as per the above, to a diameter of 150/100, then the total maximum permitted vertical length of your flue gas extraction is 11 meters. If you are using a diameter of 200/130 then your maximum total length is 22 meters.

### E.2.2 Determining maximum horizontal length:

In order to ascertain whether your intended extraction shall function properly, a stove category is determined. After you have determined in which category your fire falls, you search for the corresponding calculation tables.

Each category refers to a table. Each appendix has two tables:

1. A table for horizontal outlet.
2. A table for vertical outlet

You must use the table applicable to you. You calculate your total vertical section (TVS) as well as your total horizontal section (THS). In the table you will find advice; TVS on the vertical axis and THS on the horizontal axis.

An R means you have to put in a restrictor plate in your fireplace. **Figure E.1** shows you where the restrictor plate is inserted.

For the Scan-Line 8 Gas first a plate must be removed by loosening 4 screws. Then the restriction plate can be taken out or changed.

The fireplace comes with different restrictor plates, each a different size. Use the restrictor plate that gives you the best flames for your fire.

- Ø100/150 Vertical Rise < 2m No Restrictor.
- Ø100/150 Vertical Rise = 2-5m 35 mm Restrictor.
- Ø100/150 Vertical Rise = 5-7m 50 mm Restrictor.
- Ø100/150 Vertical Rise > 7m No Restrictor.

### Calculating the Total Vertical Section (TVS)

You calculate the Total Vertical Section by adding up all vertical upward sections in the extraction gradation.

### Calculating the Total Horizontal Section (THS)

You calculate the Total Horizontal Section by adding up all horizontal parts in the extraction gradation.

## E.2.3 Bends

Be aware of the bends in your flue. They provide extra resistance in the system and must therefore be included in the TVS and THS.

There are 2 bend types:

- 45° and 90° bends from vertical to horizontal and vice versa. (Type N)
- 45° and 90° bends from horizontal to horizontal (Type Q)

The first 3 type N bends (from vertical to horizontal) do not need to be included in your calculations. The next type N bends are each calculated as 1 horizontal meter in the THS.

For a type Q bend (horizontal to horizontal) the following applies:

- 90° bend in the horizontal section counts as 2 horizontal meters in the THS.
- 45° bend in the horizontal section counts as 1 horizontal meter in the THS

Extraction sections in a 45° upward pipe:

45° upward sections are calculated both vertically and horizontally.

# F CALCULATION TABLE FLUE GAS REDUCTION

The calculation table shows when you need to place a flue gas restrictor

**Result Action**

- √ No restrictor required
- R Position the restrictor
- X No good operation guaranteed \*

## F.1 Horizontal terminal flue diameter 200/130

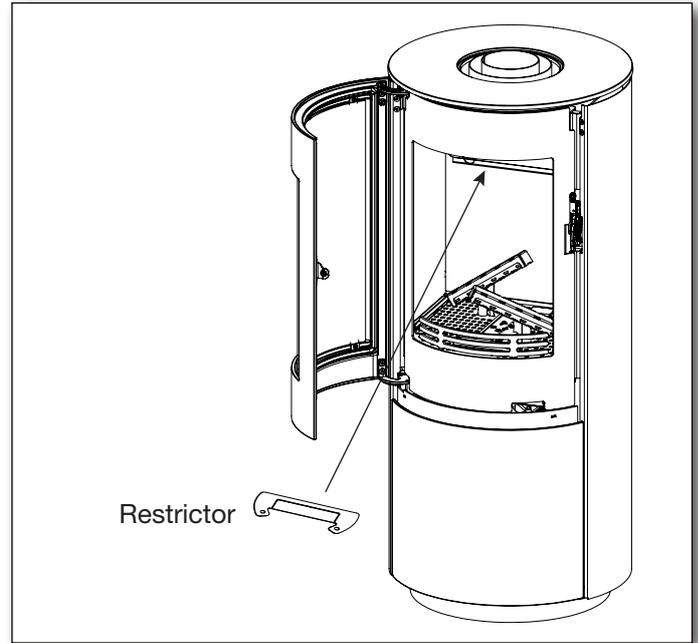
Total vertical Section	10	R	R	R	R	R	√	√
	9	R	R	R	R	R	√	√
	8	R	R	R	R	R	√	√
	7	R	R	R	R	R	√	√
	6	R	R	R	R	R	√	√
	5	R	R	R	R	R	√	√
	4	R	R	R	R	R	√	√
	3.5	R	R	R	R	R	√	√
	3	√	√	√	√	√	√	√
	2.5	√	√	√	√	√	√	X
	2	√	√	√	√	√	X	X
	1.5	√	√	√	√	X	X	X
	1	√	√	√	X	X	X	X
	0.5	X	√	X	X	X	X	X
		0	0.5	1	1.5	2	2.5	3
<b>Total Horizontal Section</b>								

## F.3 Vertical terminal flue diameter 150/100

When the **flue is exclusively vertical** the flue may be **reduced to a 150/100** diameter directly on the fireplace, provided that **total vertical section is at least 2 meter**. It is not necessary to use a restrictor when the flue is reduced.

\* Perhaps the powerfan is a good solution here.

### Position of the Restrictor



## F.2 Vertical terminal flue diameter 200/130

For a vertical terminal the minimal starting length is 0,5 meter and the minimal vertical section is 1 meter.

Total vertical Section	22	√	X	X	X	X	X	X	X	X
	21	R	R	√	X	X	X	X	X	X
	20	R	R	R	R	√	X	X	X	X
	19	R	R	R	R	R	R	√	X	X
	18	R	R	R	R	R	R	√	√	√
	17	R	R	R	R	R	R	√	√	√
	16	R	R	R	R	R	R	√	√	√
	15	R	R	R	R	R	R	√	√	√
	14	R	R	R	R	R	R	√	√	√
	13	R	R	R	R	R	R	√	√	√
	12	R	R	R	R	R	R	√	√	√
	11	R	R	R	R	R	R	√	√	√
	10	R	R	R	R	R	R	√	√	√
	9	R	R	R	R	R	R	√	√	√
	8	R	R	R	R	R	R	√	√	√
	7	R	R	R	R	R	R	√	√	X
	6	R	R	R	R	R	R	√	√	X
	5	R	R	R	R	R	R	√	√	X
	4	R	R	R	R	R	R	√	X	X
	3.5	R	R	R	R	R	R	√	X	X
	3	√	√	√	√	√	√	√	X	X
	2.5	√	√	√	√	√	√	X	X	X
2	√	√	√	√	√	X	X	X	X	
1.5	√	√	√	√	X	X	X	X	X	
1	√	√	√	X	X	X	X	X	X	
	0	0.5	1	1.5	2	2.5	3	3.5	4	
<b>Total Horizontal Section</b>										

# G TECHNICAL DATA

The dataplate specifies for which type of gas, gas pressure and for which country this appliance is intended. The nameplate is attached to a chain. It must remain attached to the chain.

**Note:** Check whether the appliance is suitable for the gas type and gas pressure on site.

Gas type ▶		NATURAL GAS					LPG			
Country of use ▶		AT,BG,CH DK,ES,FI GB,GR,HR IE,IT,LT LV,NO,PT RO,SE,SI SK,TR	DE,LU PL	BE,FR	DE	NL	BG,DK,EE FI,GB,GR HU,HR,IT LY,MT,NL NO,RO,SE SI,SK,TR	AT,CH CZ,DE	AT,BE,CH CZ,DE,ES FR,GB,IE IT,NL,PT SK,TR	CZ,LT NL,SK
Gas Category ▶		I <sub>2H</sub>	I <sub>2E</sub>	I <sub>2E+</sub>	I <sub>2ELL</sub>	I <sub>2L</sub> / I <sub>2EK</sub>	I <sub>3B/P</sub>	I <sub>3B/P</sub>	I <sub>3+</sub>	I <sub>3+</sub>
Unit		G20	G20	G20/G25	G20/G25	G25/ G25,3	G30/G31			
Supply pressure	mbar	20	20	20 / 25	20	25	30	37/50	28 - 30/37	30
Burner pressure	mbar	19	19	19 / 23	19 / 19	23	28.8	36	28.8	29
Gross input	kW	9	9	9 / 8	9 / 7.3	8	8.2	8.2	8.2	7
Net input	kW	8.1	8.1	8.1 / 7.3	8.1 / 6.6	7.3	7.3	7.3	7.3	6.4
max. Heat output	kW	7.3	7.3	7.3 / 6.6	7.3 / 5.9	6.6	6.4	6.4	6.4	5.8
min. Heat output	kW	1.83	1.83	1.83 / 1.65	1.83 / 0.4	1.65	1.6	1.6	1.6	1.45
(Max.) Gas usage	m <sup>3</sup> /uur	0.86	0.86	0.86 / 0.90	0.86	0.90	0.23	0.28	0.23	0.24
NOx	mg/kWh <sub>input</sub>	<100					<100			
Pilot		440-1650-312					440-1350-271			
Burner injection		220 (2x LogBurner), 140 (FlatBurner)					2x 100 (LogBurner Back), 2x 120 (LogBurner Front), 80 (FlatBurner)			

## Type of flue

C11 / C31 / C91

## Additional electricity use

At rated heat output

$e_{l,max}$  9<sup>-5</sup> kW

With minimal heat emission

$e_{l,min}$  9<sup>-5</sup> kW

In standby mode

$e_{l,sb}$  9<sup>-5</sup> kW

## Power requirement for the permanent pilot light

Power requirement for the permanent pilot light (requirements applicable)

$P_{pilot}$  Does not apply

## Efficiency (NCV)

Efficiency at rated heat output

$\eta_{th,nom}$  90 %

Efficiency at min. heat output (indicative)

$\eta_{th,min}$  59 %

## Type of heat release / control room temperature (Select one)

With electronic control of the room temperature plus week switch

## Other control options

Control of the room temperature with presence detection

Control the room temperature with open window detection

With the option of remote control

With adaptive control of the start

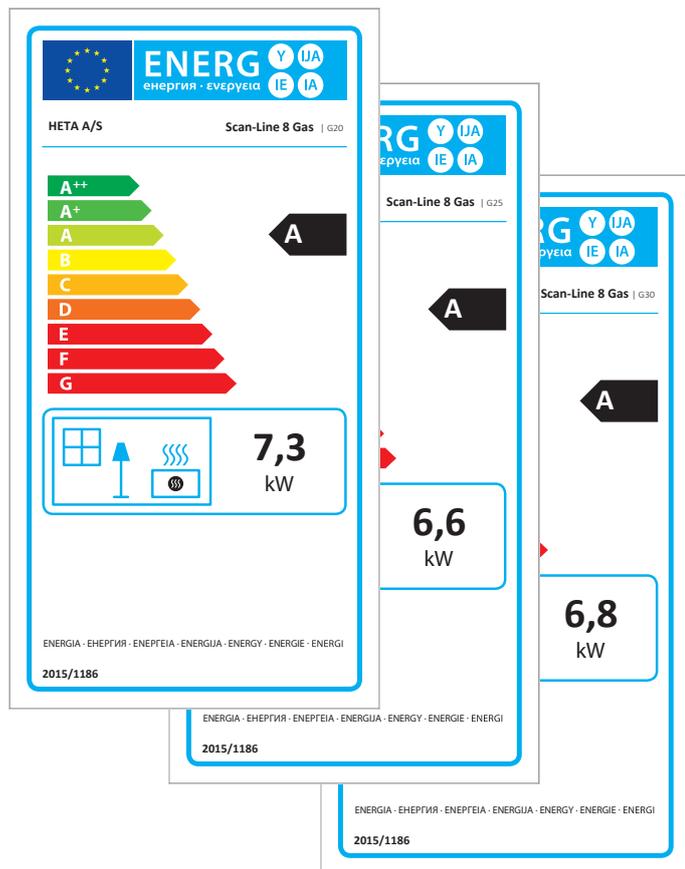
With limitation of the operating time

# H ECODESIGN

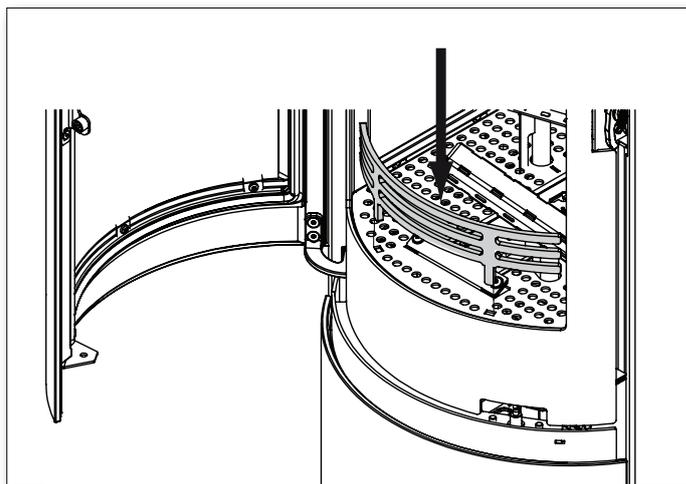
Since 1 January 2018 every fireplace has been provided with an eco-label which is always supplied with the fireplace. The ecolabel shows which category the fireplace belongs to.

## H.1 Ecolabels

The ecolabels for the different types of gas are indicated below, respectively G20, G25 and G30.

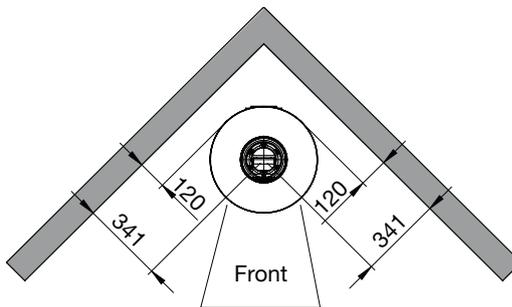
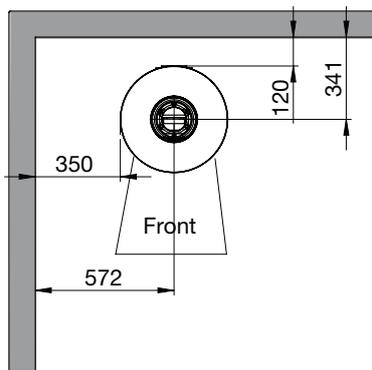
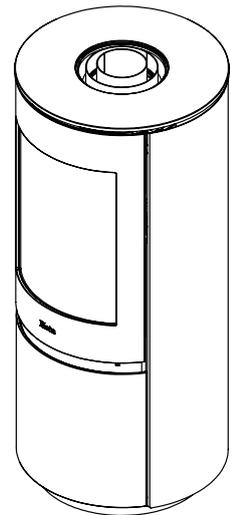
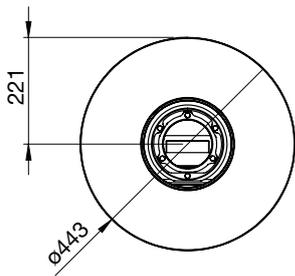
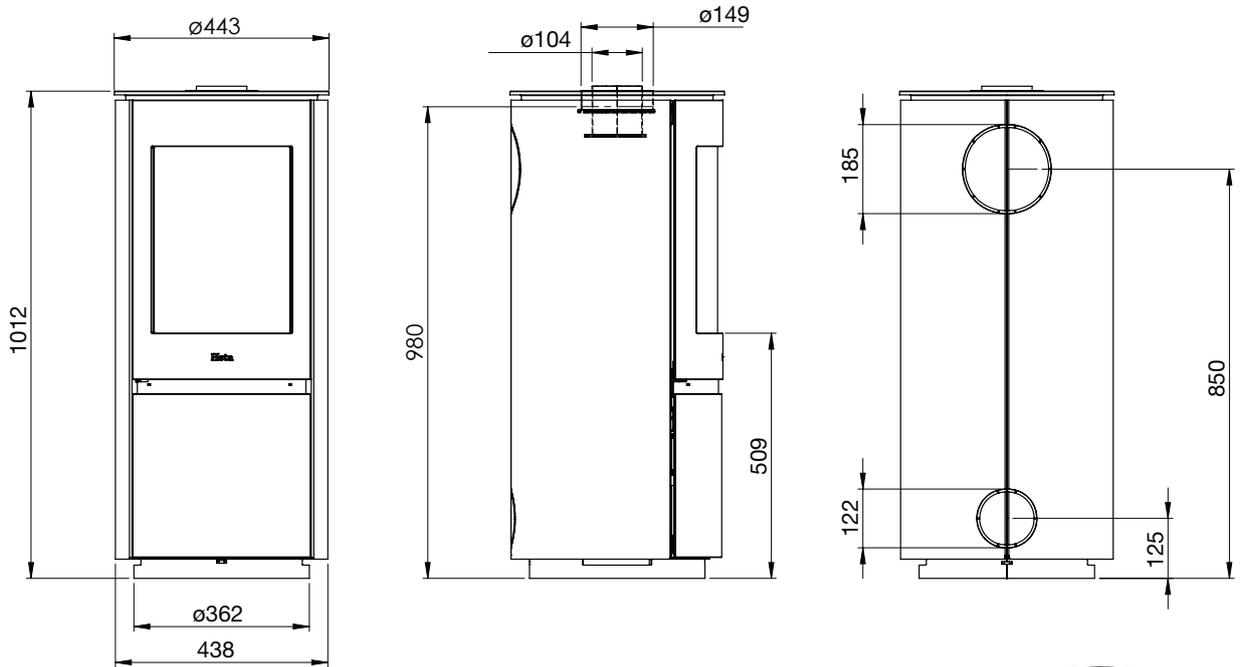


## H.2 Placement of logretainer

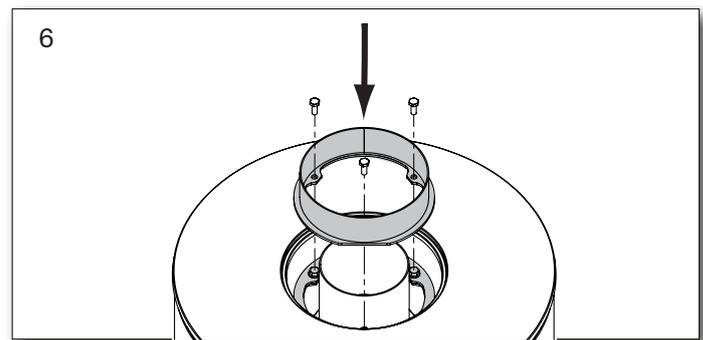
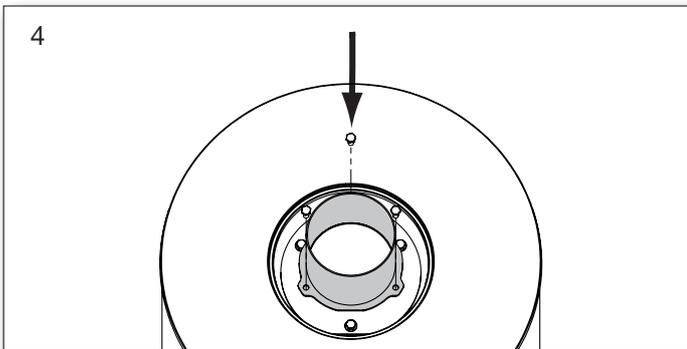
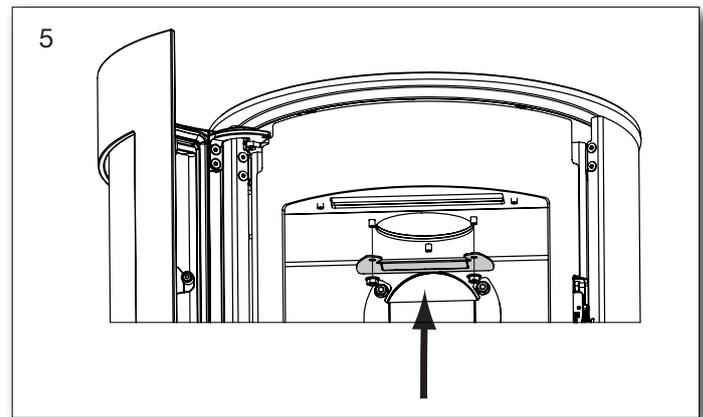
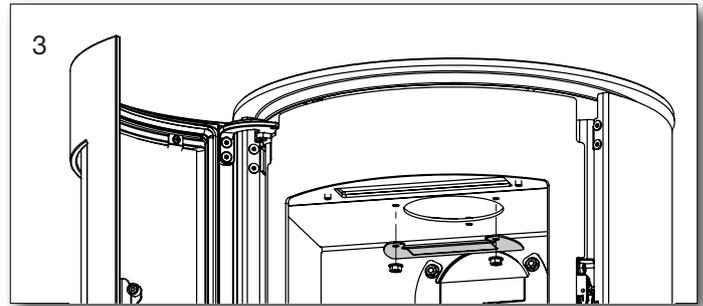
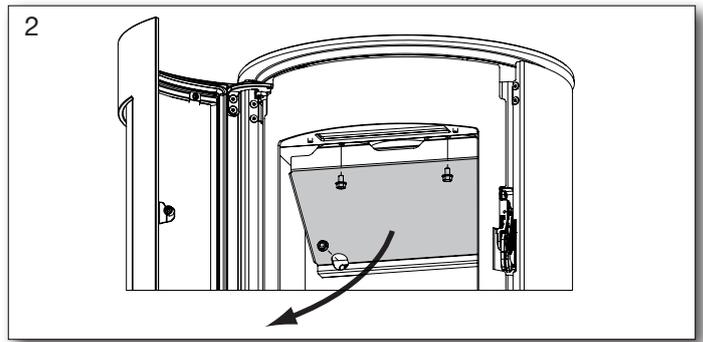
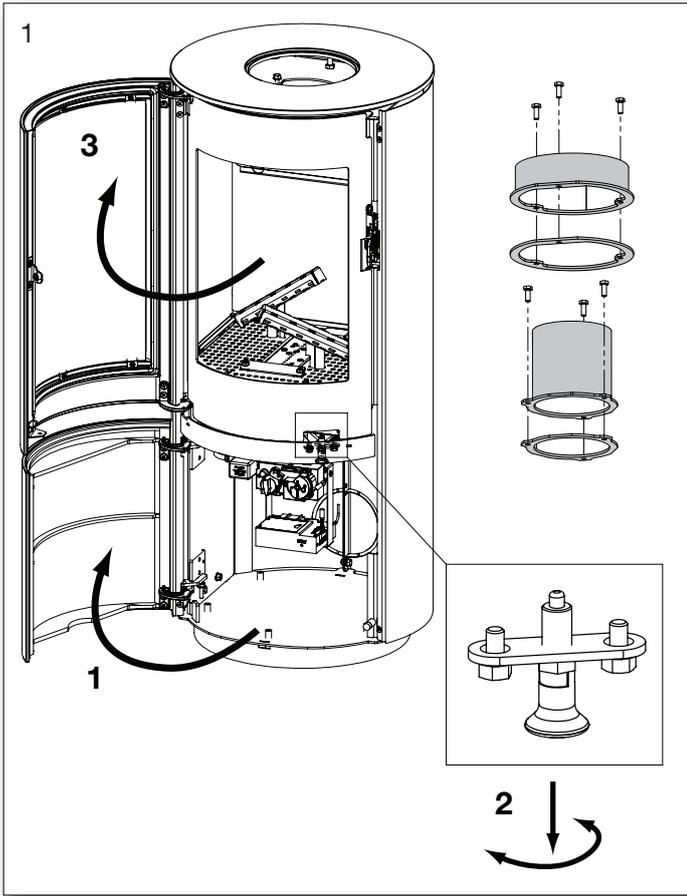


# I DIMENSIONAL DRAWINGS

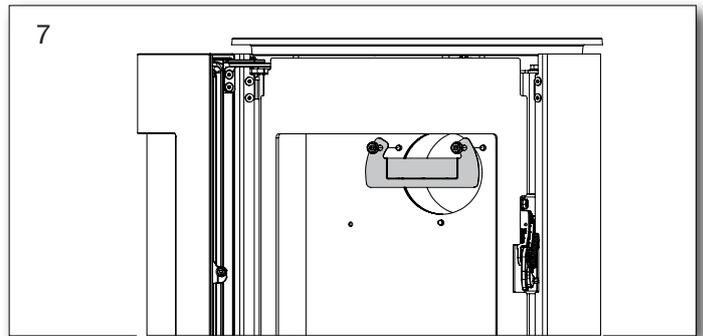
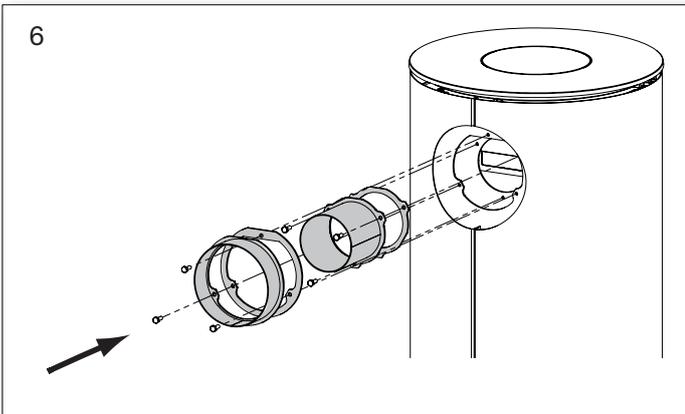
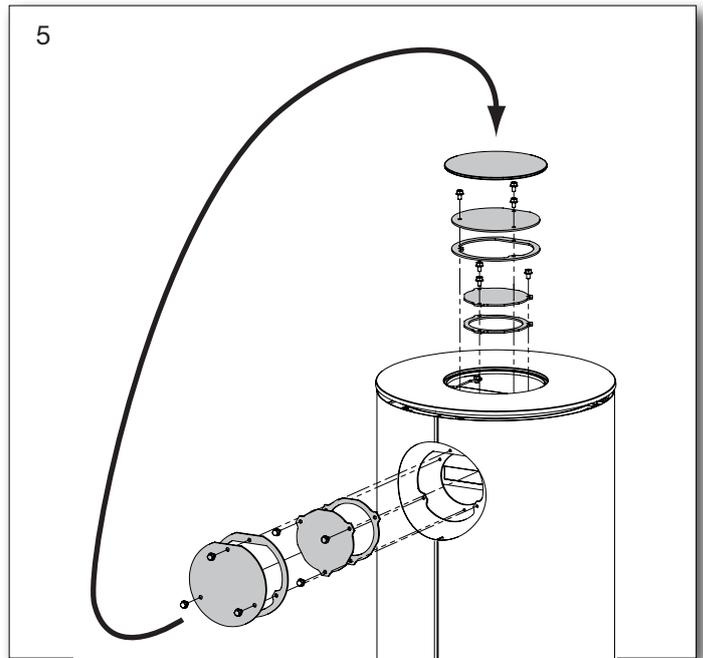
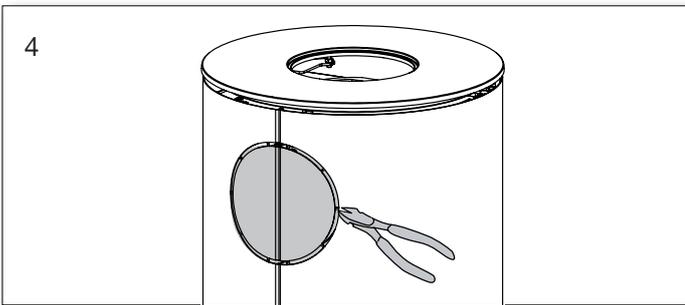
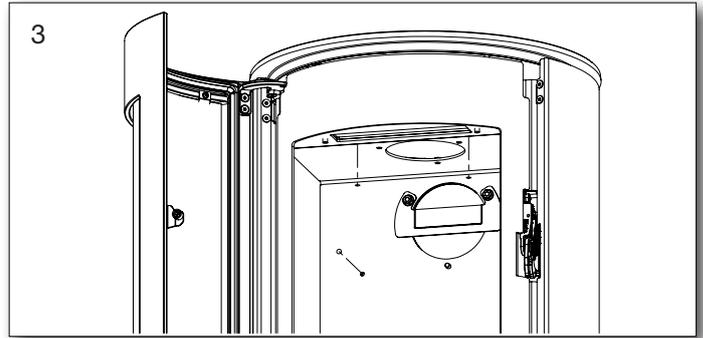
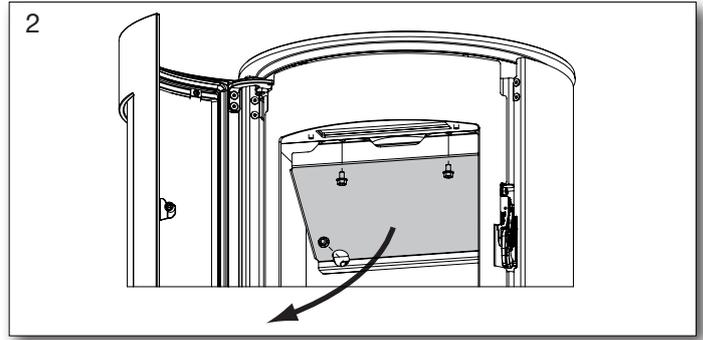
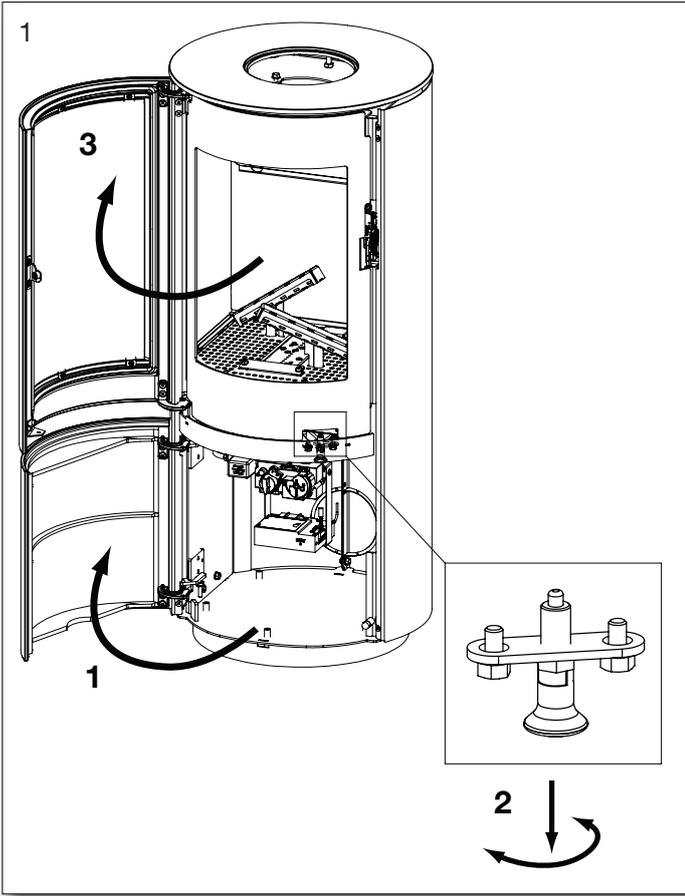
On this page and the following ones you will find dimensional drawings of the Scan-Line 8 Gas with some of the important dimensions that you have to take into account when installing and installing your fireplace.



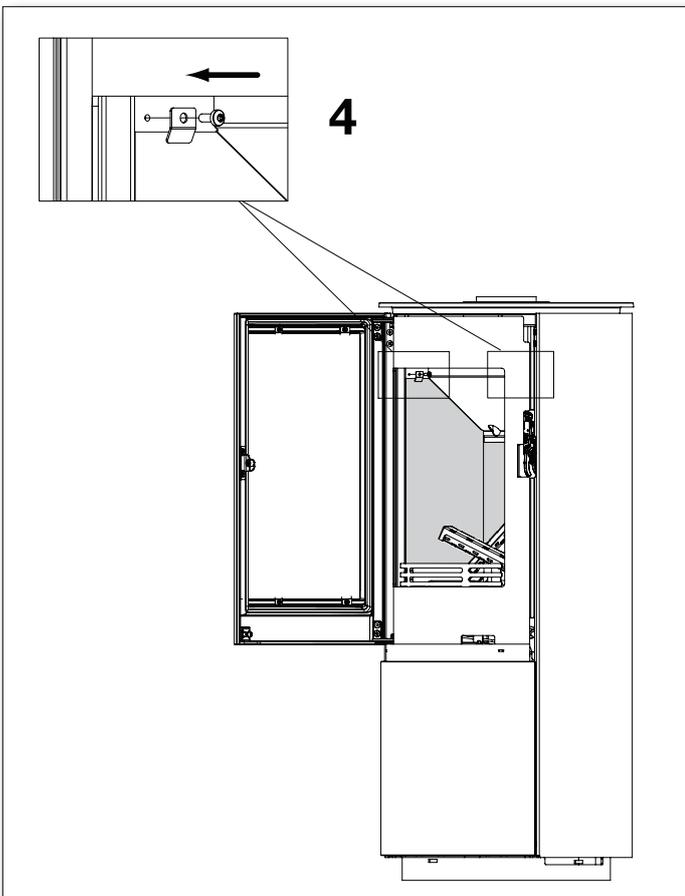
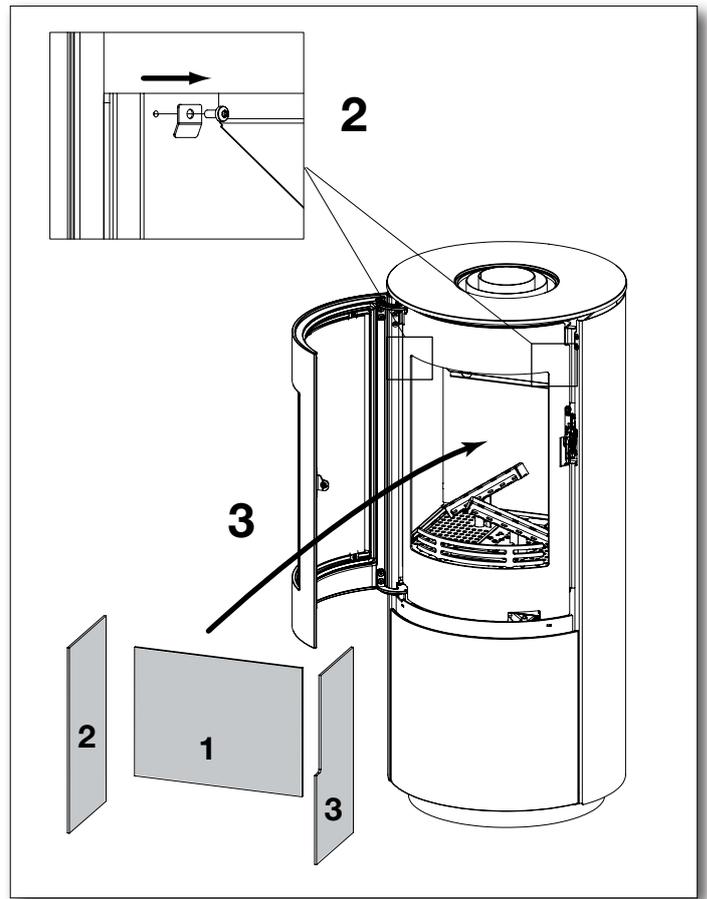
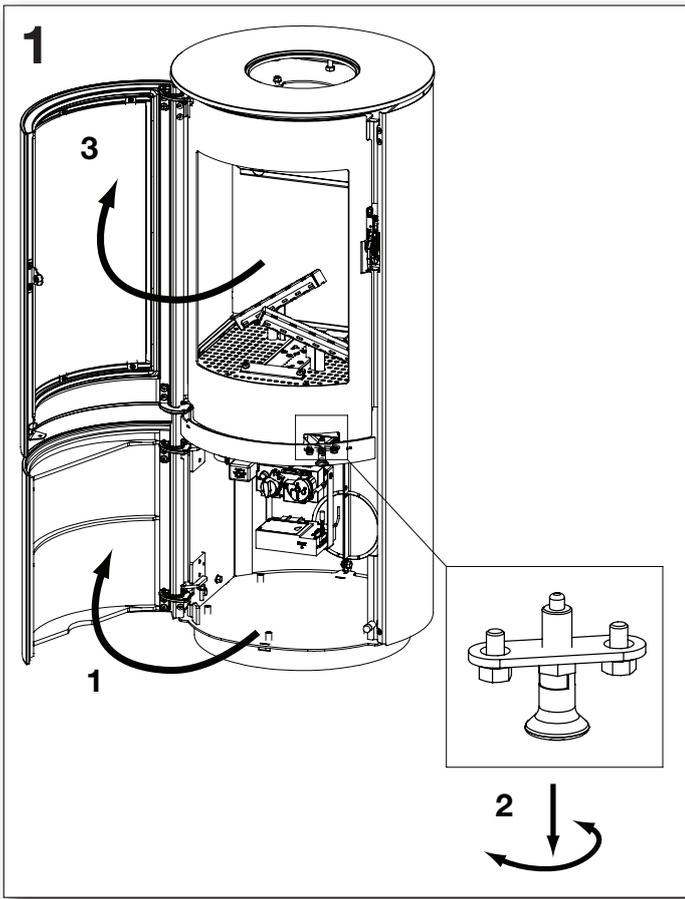
# J INSTALLATION OF FLUE COLLAR AT TOP OUTLET



# K INSTALLATION OF FLUE COLLAR AT BACK OUTLET



# L PLACEMENT OF INTERIOR GLASS, ACCESSORY



**Ecodesign**  
**EU Declaration of Conformity**

DoC E4-32 Scanline 8 104450111LHD-001 2020

Product fiche



Manufacturer	Heta A/S
Address	Jupitervej 22, DK 7620 Lemvig
E-mail	heta@heta.dk
Website	www.heta.dk
Telephone	+45 9663 0600

<b>Model identifier</b>	Scan-Line 8 Gas G20 (E4-32 Scanline 8)
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<b>The identified product described above is in conformity with:</b>		
<b>The relevant EU harmonized regulations:</b>		
REG (EU) 2016/426		
REG (EU) 2015/1185		
REG (EU) 2015/1186		
<b>The relevant harmonized standards</b>		
BSEN 613:2001+A1:2008		

<b>Characteristics when operating with the preferred fuel only</b>		
<b>Heat output</b>		
<b>Item</b>	<b>Symbol</b>	<b>Value/Unit</b>
Nominal heat output	$P_{nom}$	7,3 kW
Minimum heat output	$P_{min}$	1,8 kW
<b>Useful efficiency (NCV as received)</b>		
Useful efficiency at nominal heat output	$\eta_{th, nom}$	90%
Useful efficiency at minimum heat output	$\eta_{th, min}$	59%
<b>Auxiliary electricity consumption</b>		
At nominal heat output	$el_{max}$	9 <sup>-5</sup> kW
At minimum heat output	$el_{min}$	9 <sup>-5</sup> kW
In standby mode	$el_{SB}$	9 <sup>-5</sup> kW

<b>Type of heat output/room temperature control</b>	
single stage heat output, no room temperature control	Yes
two or more manual stages, no room temperature control	No
with electronic room temperature control	No
with electronic room temperature control	No
with electronic room temperature control plus day timer	No
with electronic room temperature control plus week timer	No

<b>Other control options</b>	
room temperature control, with presence detection	No
room temperature control, with open window detection	No
with distance control option	No

<b>Notified body relevant to the assessment and verification of constancy of performance</b>
Intertek Total quality. Assured IGP, 4 Oak Business Units, Thorverton Road, Exeter EX2 8FS Notified body No. 0359. Report No. 104450111LHD-001

Fuel	Preferred fuel	Other suitable fuel
Wood logs with moisture content $\leq 25\%$	No	No
Compressed wood with moisture content $< 12\%$	No	No
Other woody biomass	No	No
Non-woody biomass	No	No
Anthracite and dry steam coal	No	No
Hard coke	No	No
Low temperature coke	No	No
Bituminous coal	No	No
Lignite briquettes	No	No
Peat briquettes	No	No
Blended fossil fuel briquettes	No	No
Blended biomass and fossil fuel briquettes	Yes	No
Other blend of biomass and solid fuel	No	No

<b>Emissions at nominal heat output</b>	$\eta_s\%$	mg/Nm <sup>3</sup> (13% O <sub>2</sub> )			
		PM	OGC	CO	NO <sub>x</sub>
	$\geq 65$	$\leq 40$	$\leq 120$	$\leq 1500$	$\leq 200$
	80	-	-	31	18

<b>Technical documentation</b>	
Indirect heating functionality:	No
Direct heat output:	7,3 kW
Energy Efficiency Index (EEI):	EEI 89
Fluegas temperature at nominal heat output	T 310°C
Energy efficiency class	

<b>Safety</b>	
Reaction to fire	A1
Test of fire safety in connection with the burning of wood	Approved
Distance to combustible materials Rear. Without insulation / with insulation Sides distance to combustible materials Furniture distance	Minimum distances in mm 120/120 350 850

Signed on behalf the manufacturer of 07.02.2022

The chimney sweep's signature Date \_\_\_\_\_

Signature \_\_\_\_\_



Ecodesign

# EU Declaration of Conformity

DoC E4-32 Scanline 8 104450111LHD-001 2020

Product fiche



Certifikat no. 104450111LHD-001 EN

Manufacturer	Heta A/S
Address	Jupitervej 22, DK 7620 Lemvig
E-mail	heta@heta.dk
Website	www.heta.dk
Telephone	+45 9663 0600

<b>Model identifier</b>	Scan-Line 8 Gas G25 (E4-32 Scanline 8)
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<b>The identified product described above is in conformity with:</b>
<b>The relevant EU harmonized regulations:</b>
REG (EU) 2016/426
REG (EU) 2015/1185
REG (EU) 2015/1186
<b>The relevant harmonized standards</b>
BSEN 613:2001+A1:2008

<b>Characteristics when operating with the preferred fuel only</b>		
<b>Heat output</b>		
<b>Item</b>	<b>Symbol</b>	<b>Value/Unit</b>
Nominal heat output	$P_{nom}$	6,6 kW
Minimum heat output	$P_{min}$	1,6 kW
<b>Useful efficiency (NCV as received)</b>		
Useful efficiency at nominal heat output	$\eta_{th, nom}$	90%
Useful efficiency at minimum heat output	$\eta_{th, min}$	59%
<b>Auxiliary electricity consumption</b>		
At nominal heat output	$eI_{max}$	9 <sup>-5</sup> kW
At minimum heat output	$eI_{min}$	9 <sup>-5</sup> kW
In standby mode	$eI_{SB}$	9 <sup>-5</sup> kW

<b>Type of heat output/room temperature control</b>	
single stage heat output, no room temperature control	Yes
two or more manual stages, no room temperature control	No
with electronic room temperature control	No
with electronic room temperature control	No
with electronic room temperature control plus day timer	No
with electronic room temperature control plus week timer	No

<b>Other control options</b>	
room temperature control, with presence detection	No
room temperature control, with open window detection	No
with distance control option	No

<b>Notified body relevant to the assessment and verification of constancy of performance</b>
Intertek Total quality. Assured IGP, 4 Oak Business Units, Thorverton Road, Exeter EX2 8FS Notified body No. 0359. Report No. 104450111LHD-001

Fuel	Preferred fuel	Other suitable fuel
Wood logs with moisture content $\leq 25\%$	No	No
Compressed wood with moisture content $< 12\%$	No	No
Other woody biomass	No	No
Non-woody biomass	No	No
Anthracite and dry steam coal	No	No
Hard coke	No	No
Low temperature coke	No	No
Bituminous coal	No	No
Lignite briquettes	No	No
Peat briquettes	No	No
Blended fossil fuel briquettes	No	No
Blended biomass and fossil fuel briquettes	Yes	No
Other blend of biomass and solid fuel	No	No

<b>Emissions at nominal heat output</b>	$\eta_s$ %	mg/Nm <sup>3</sup> (13 % O <sub>2</sub> )			
		PM	OGC	CO	NO <sub>x</sub>
	$\geq 65$	$\leq 40$	$\leq 120$	$\leq 1500$	$\leq 200$
80	-	-	31	15	

<b>Technical documentation</b>	
Indirect heating functionality:	No
Direct heat output:	6,6 kW
Energy Efficiency Index (EEI):	EEI 89
Fluegas temperature at nominal heat output	T 285°C
Energy efficiency class	

<b>Safety</b>	
Reaction to fire	A1
Test of fire safety in connection with the burning of wood	Approved
Distance to combustible materials Rear. Without insulation / with insulation Sides distance to combustible materials Furniture distance	Minimum distances in mm 120/120 350 850

Signed on behalf the manufacturer of 07.02.2022

The chimney sweep's signature Date \_\_\_\_\_

**Heta A/s**  
 JUPITERVEJ 22 · DK-7620 LEMVIG  
 TLF. +45 9663 0600 · FAX +45 9663 0616  
 Martin Bach

Signature \_\_\_\_\_

Ecodesign

**EU Declaration of Conformity**

DoC E4-32 Scanline 8 104450111LHD-001 2020

Product fiche



Manufacturer	Heta A/S
Adress	Jupitervej 22, DK 7620 Lemvig
E-mail	heta@heta.dk
Website	www.heta.dk
Telephone	+45 9663 0600

<b>Model identifier</b>	Scan-Line 8 Gas G30 (E4-32 Scanline 8)
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<b>The identified product described above is in conformity with:</b>		
<b>The relevant EU harmonized regulations:</b>		
REG (EU) 2016/426		
REG (EU) 2015/1185		
REG (EU) 2015/1186		
<b>The relevant harmonized standards</b>		
BSEN 613:2001+A1:2008		

<b>Characteristics when operating with the preferred fuel only</b>		
<b>Heat output</b>		
<b>Item</b>	<b>Symbol</b>	<b>Value/Unit</b>
Nominal heat output	$P_{nom}$	6,8 kW
Minimum heat output	$P_{min}$	1,6 kW
<b>Useful efficiency (NCV as received)</b>		
Useful efficiency at nominal heat output	$\eta_{th, nom}$	90%
Useful efficiency at minimum heat output	$\eta_{th, min}$	59%
<b>Auxiliary electricity consumption</b>		
At nominal heat output	$el_{max}$	$9^{-5}$ kW
At minimum heat output	$el_{min}$	$9^{-5}$ kW
In standby mode	$el_{SB}$	$9^{-5}$ kW

<b>Type of heat output/room temperature control</b>	
single stage heat output, no room temperature control	Yes
two or more manual stages, no room temperature control	No
with electronic room temperature contro	No
with electronic room temperature control	No
with electronic room temperature control plus day timer	No
with electronic room temperature control plus week timer	No

<b>Other control options</b>	
room temperature control, with presence detection	No
room temperature control, with open window detection	No
with distance control option	No

<b>Notified body relevant to the assessment and verification of constancy of performance</b>
Intertek Total quality. Assured IGP, 4 Oak Business Units, Thorverton Road, Exeter EX2 8FS Notified body No. 0359. Report No. 104450111LHD-001

Fuel	Preferred fuel	Other suitable fuel
Wood logs with moisture content $\leq 25\%$	No	No
Compressed wood with moisture content $< 12\%$	No	No
Other woody biomass	No	No
Non-woody biomass	No	No
Anthracite and dry steam coal	No	No
Hard coke	No	No
Low temperature coke	No	No
Bituminous coal	No	No
Lignite briquettes	No	No
Peat briquettes	No	No
Blended fossil fuel briquettes	No	No
Blended biomass and fossil fuel briquettes	Yes	No
Other blend of biomass and solid fuel	No	No

<b>Emissions at nominal heat output</b>	$\eta_s$ %	mg/Nm <sup>3</sup> (13 % O <sub>2</sub> )			
		PM	OGC	CO	NO <sub>x</sub>
	$\geq 65$	$\leq 40$	$\leq 120$	$\leq 1500$	$\leq 200$
	80	-	-	18	18

<b>Technical documentation</b>	
Indirect heating functionality:	No
Direct heat output:	6,8 kW
Energy Efficiency Index (EEI):	EEI 89
Fluegas temperature at nominal heat output	T 363°C
Energy efficiency class	

<b>Safty</b>	
Reaction to fire	A1
Test of fire safety in connection with the burning of wood	Approved
Distance to combustible materials Rear. Without insulation / with insulation Sides distance to combustible materials Furniture distance	Minimum distances in mm 120/120 350 850

Signed on behalf the manufacturer of 07.02.2022

The chimney sweep's signature Date \_\_\_\_\_



Heta A/s  
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Martin Bach

Signature \_\_\_\_\_

