

# Installation and operation instructions

## Art-Fire-Serie



**Lumeo Large**



**Lumeo Small**



**Metzo**



**Velon with right-angled fire image**



**Velon with round fire image**

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## 1. FOREWORD

You will receive installation and operation instructions with every gas fireplace. You will also find recommendations regarding safety and maintenance as well as information about the operation. It has been assumed when drawing up the information that the fireplace is being installed and connected by a recognised gas engineer who is aware of national and local rules and regulations that may apply. This booklet, firstly, describes the installation and operation of the fireplace and, secondly, the options in relation to construction through the CC duct system are discussed. You will not always be able to install the fireplace in this way. It may be necessary to first install the CC duct system due to structural conditions and only then proceed with the installation of the fireplace. We, therefore, recommend first reading the whole booklet before you install the unit and the CC duct system.

## 2. INTRODUCTION

The gas fireplace has been designed to be installed in a living room and may only be installed in combination with the CC duct system. The CC duct system will also ensure that the unit can be installed in an insulated home.

The unit has been equipped with a closed combustion space and must be installed as a closed unit. The flue gases are guided outside through a combined intake/exhaust by using the natural draught of the unit. The required combustion air is drawn in through the same natural draught. The CC duct system can be equipped with a wall or roof pass-through. You must install one metre of concentric pipe vertically before installing the wall or roof pass-through to ensure that the natural draught is maintained. The accessories for the CC duct system such as the wall pass-through, roof pass-through, pipes and bends are packed per unit. The clamping strips must be ordered separately. The exhaust system and the outlet must meet local standards. A closed unit in an installation location, a unit without a fan and a chimney loss of more than 17% (no condensate) are involved.

The natural draught makes it necessary that the intake and the exhaust are in the same pressure area.

You will be automatically complying with this requirement by using the CC duct system.

## 3. SAFETY INSTRUCTIONS

The unit must be installed, connected and checked by a recognised gas engineer in accordance with the most recent national and local standards for closed units (for the Netherlands: GAVO, NEN 1078 section 4, closed units) and the factory installation instructions.

The unit has a remote control and must be connected to a earth-connected wall socket that is accessible. The electrical connection must be installed in accordance with national and local standards (for the Netherlands: NEN 1010).

The unit must be checked by the installer on gas and combustion product circuit tightness.

The chimney must be tested to ensure correct operation. Also check the operation of the combined ignition/ionisation rod.

The convection openings can spread very hot air at the top of the unit due to natural convection of the fireplace. Therefore, never put anything on top of the fireplace. The unit has been designed for heating purposes.

This means that all surfaces including the glass can become very hot (> 100°C).

**Note: ! We recommend allowing the fireplace to burn at the highest setting after installation for a few hours and to ensure proper ventilation during this time so that the enamel that can be found on the interior work of the fireplace can harden correctly and that it is given the opportunity to evaporate.**

It is important that you do not allow the fireplace to burn shortly after renovation work because a fireplace is a source of combustion that ensures air is circulated through the room. Moisture and paint and enamel that have not yet hardened are drawn in due to natural air circulation and this will be deposited on top of the fireplace. The unit has been adjusted and sealed at the factory in accordance with the category specified on the identification plate using the correct nominal load. (The identification plate can be found on top of the black box/receiver next to the gas block and an example can be seen on page 4.)

Verify whether the information on the identification plate (see the example on page 4) agrees with the local gas type and pressure. Verify whether the information on the identification plate agrees with the nature of your installation (see the technical information to perform the verification given on page 11). Do not put curtains, clothes, washing, furniture or other flammable materials near the unit. The minimum safe distance amounts to 100 cm.

This unit must be installed based on the latest rules and regulations that apply and may only be used in a room that has sufficient ventilation. Consult the installation instructions before installing the unit. Consult the operation instructions before igniting the unit.

#### 4. PREPARATIONS

Unit	Centre of the exhaust to the rear of the unit	Centre of the wall (minimum)
LUMEO	205 mm	245 mm
METZO	211 mm	250 mm
VELON	241 mm	280 mm

HELEX BV HEEMSTEDEN NEDERLAND	
Handelsnaam : HELEX	Land : BE
Model : Lacorna	
Categorie : I2E+	G20/25 Type : C11/C31
Voordruk : 20/25mbar	
Elektr. Gegevens : n.v.t.	
Nominale Belasting : 7,8 kW bw/7,0 Kw ow	
Nominaal Vermogen : 5,4 kW	
Branderdruk : 17,0 mbar	
Gasverbruik M3/uur : 0,74 (max.)	
Rendements Klasse : 2	
Produkt Ident. Nr. : 0063B03345	
Bouwjr. Serie Nr. : 2004-str(2003)	
Lees instructies voor het gebruik	
Toestel plaatsen in goed geventileerde ruimte	

##### 4.1 Gas connection

- Provide a G1/2" gas connection with a (CE approved) G1/2" shut-off cock in the supply line that can always be accessed. Ensure that the regulation equipment is not twisted during connection. Avoid pressure being exerted on the regulating equipment and the pipe work. Check all connections that have been loose to ensure gas tightness after connection.

##### 4.2 Electrical connection

- The unit is suitable for 230 V AC 50 Hz safety class IP 20. The maximum used power will be 17 VA. The gas fireplace with electronic ignition must be installed in accordance with the latest requirements (this is NEN 1010 for the Netherlands) and any local rules and regulations. Note: This unit is phase sensitive and will only operate when it has been appropriately earthed. Connect the fireplace to a power socket with earth. Ensure that the plug can always be reached after installing the unit. The unit has been provided with a 1.5 m mains cable as standard.

##### 4.3 Preparations for installation of the fireplace

- First install the fireplace and, next, the CC duct system. Note: It may be necessary, however, that first (a section of) the CC duct system must be installed due to structural conditions nowadays. See the instructions contained in chapter 9.3, page 6, "General CC duct system installation instructions", and the centre-to-centre distances listed in the above table.

##### 4.4 When you are using an existing structural duct

- Ensure that you have installed the special chimney connection set before installing the fireplace. See chapter 9.4, page 8. Be convinced that you have sufficient space on top of the fireplace to connect the unit to the flue (min. 30 cm.) keeping the centre-to-centre distances listed in the above table in mind. The fireplace can be installed on carpeting, a wooden floor or tiles without any problems.

#### 5. INSTALLATION OF THE FIREPLACE

- Loosen the 14 bolts of the 4 glass strips using an Allen key. ( Note: do not loosen totally, i.e., removing them.) Remove the strips and, next, the glass. Remove the box with the wood set and the remote control from the combustion space. Remove the four supplied adjustment legs (which can be found in the packaging of the mantel that you have selected) from this space. First install the four adjustment legs at the bottom of the unit and secure them with the four supplied parkers. Position the unit in the location that you have carefully chosen. You can ensure the unit is level by unscrewing and/or screwing the 4 adjustment legs. Note: **Keep the centre-to-centre distances listed in the above table in mind.**

##### 5.1 Connect the CC duct system as specified in the chapters:

Note: **You must first install the spacers and top plate supplied in relation to the Lumeo and Velon mantels once you are ready to connect the mantel set to a CC duct.**

- Installation wall pass-through
- Installation roof pass-through
- Installation pass-through in relation to an existing flue
- Adjust the restriction plate to the correct distance. It will depend on the length of the flue.
- The factory setting is a 10 mm opening (see chapter 9.2 page 6).
- Connect the unit on to the gas supply.
- Connect the unit to the electrical mains using a power socket with earth.  
(Note: phase sensitive!)

## 6. INSTALLATION OF THE WOOD SET (see page 12 photos 1 through to 7)

The wood set consisting of 7 logs can be found in the packaging that you have removed from the combustion chamber. A bag with vermiculite is also included. Scatter the vermiculite over the burner as specified on page 12. Next, position the oak block as shown in photo 1. It should lie with its back a centimetre over the edge of the burner. Next, first put the left and then the right logs as closely as possible against the edge of the internal frame as shown on photos 2 and 3. Put the log ends that are resting on the burner completely to the left and right at the front of the fireplace. Next, put the two (largest and) identical oak logs in accordance with photos 4 and 5. Note: The bottom sides of both logs rest on the edge of the burner and virtually touch the edge of the internal frame. Next, put the two (smallest and) identical oak logs in accordance with photos 6 and 7. Ensure that the ignition/ionisation rod stays visible after installing the wood blocks. If the blocks are not positioned correctly, the flame image may not be as beautiful or the unit may soot up. **Note:** The bottom glass strip must be installed in the reverse order in relation to the S and L Lumeo mantels. The glass strip can be found in the packaging of the relevant mantel. Again put the window in the correct position and again tighten the glass strips using the 14 socket screws.

## 7. OPERATION OF THE FIREPLACE (see the figure)

The fireplace has been provided with a remote control as standard. The remote control and the receiver are radio-operated and do not have to be in one line in relation to each other. You do not have to direct the transmitter. The range may be slightly different based on the conditions and will amount to 8 metres on average. The remote control has three buttons (see the photo). You must simultaneously press the top and bottom buttons to ignite the burner remotely. You can regulate the flame size by modulation by keeping the top button pressed (high setting) or keeping the centre button pressed (low setting). You can go to the high or low setting immediately by simultaneously pressing the high and X buttons or by simultaneously pressing the low and X buttons, respectively. Use the bottom button to again switch the automatic ignition control to the standby position. The unit will always start at the highest setting (allow the unit to remain in this setting for a minimum period of 15 minutes when starting from a cold start). You can reset the unit using the remote control as follows: Simultaneously press the two bottom buttons (small flame symbol and cross). Next, only press the bottom button (cross) of the remote control within 1 second. (You will hear a peep.) The unit has now been reset but press again the bottom button before restarting the unit.



## 8. ATTACHING THE FIREPLACE

This gas fireplace with electronic ignition has also been provided with an electronic flame monitor. A flame will cause ionisation of gas particles in this flame. An ionisation current may flow through these (charged) gas particles from the ionisation rod to the earth point on the burner.

The cleaner and more stable the flame, the better combustion will be and the higher this current will be. If the current becomes too low, that is, should combustion worsen, the automatic ignition control will switch itself off. The automatic ignition control will try to restart the burner a number of times. If combustion is not sufficient, the automatic ignition control will set itself to the safe mode. The reset button on the automatic ignition control will light up red in this mode. You can only cancel the safe mode by following the remote control reset method once you have traced and resolved the fault. Next, the fireplace will automatically become operational.

## 9. CC DUCT SYSTEM

### 9.1 Installation instructions for the CC duct system on the gas fireplace

#### General instructions

The distance between ducts and pass-throughs to flammable material must overall amount to a minimum of 50 mm. All elements related to the air supply and the flue gas exhaust system must be fitted into each other by at least 30 mm and must be secured against any possibility of becoming detached. Please refer to the national rules and regulations for more information on outlets near a boundary or ventilation opening.

### Selecting the location for the outlet

The flue gas opening can become 200 °C. It is, therefore, important to select a location for the outlet that will avoid possible contact between the flue gas opening and people. Flue gases can increase up to approximately 400 °C with this type of unit. Discharging under eaves and awnings can lead to hazardous situations due to the concentration of hot flue gases and is, therefore, not allowed.

### Art-Fire unit-linked instructions

In addition to the above general instructions, there are also unit-linked instructions. This concerns the allowed minimum and maximum duct length with which the unit will continue to operate safely.

#### Minimum horizontal duct (see page 13 Fig. 1)

Duct length: 1 m + 90° bend + wall pass-through.

Restriction plate on a 15 mm opening

#### Maximum horizontal duct

Duct length: 1 m + 90° bend + ½m + wall pass-through.

Restriction plate on a 15 mm opening.

#### Minimum vertical duct (See page 14, Fig. 5)

Duct length: 2½ m + roof pass-through.

Restriction on a 10 mm opening with a duct length between 2½ m and 4 m.

#### Maximum vertical duct with drag (See page 14, Fig. 6)

Duct length: 10 m. + 2 x 45° bends + roof pass-through.

Restriction on a 7 mm opening with a duct length between 4 m and 10 m.

#### Maximum vertical duct (See page 14, Fig. 7)

Duct length: 14 m + roof pass-through.

Restriction on a 6 mm opening with a duct length between 10 m and 14 m.

### 9.2 Adjusting the restriction plate

The restriction plate can be found in the top area of the fireplace. You can only adjust it when the window has been removed. The unit will have been provided with a restriction opening of 10 mm ex factory. (2 x M6 nut for each threaded end) You can adjust the restriction plate by removing the four M6 nuts and removing the restriction plate from the unit.

**Note:** Never allow the restriction plate to fall on the burner. This may seriously damage the burner foam!

4 M6 nuts and 8 M6 flat washers are supplied with the fireplace. 4 units measuring 2 mm in thickness and 4 units measuring 1 mm in thickness. Screw the 4 supplied M5 nuts, each on a threaded end, on the already available M6 nuts to adjust the restriction opening to 15 mm. Next, position the restriction plate in its place and attach this by using the 4 M6 nuts. Remove all M6 nuts from the threaded ends that can be found in the top section of the unit to adjust a restriction opening to 6 or 7 mm, respectively.

- \* Place one washer measuring 2 mm and an M6 nut per threaded end to obtain a restriction opening of 7 mm.
- \* Place one washer of 1 mm and an M6 nut per threaded end to obtain a restriction opening of 6 mm.
- \* Place the restriction plate back and attach it by using the 4 M6 nuts.

### 9.3 General CC duct system installation instructions

The installation examples below are of a general nature. The unit manufacturer may prescribe different stipulations. These stipulations will take precedent before the general ones. No rights can be derived from these examples.

Based on the above, two installation examples are shown:

1. Wall pass-through via a wall of non-flammable material (See page 13, Fig. 1)
2. Wall pass-through via wall of flammable material (See page 13, Fig. 2)

Wall pass-through via a wall of non-flammable material (See page 13 Fig. 1)

1. Install the correct connecting piece on the unit. The type and code should be in accordance with the specifications of the manufacturer or in consultation with the manufacturer.
2. Position a concentric duct on this. Pay attention to the minimum and maximum duct length as prescribed by the manufacturer.
3. Next, position a concentric bend and determine the position of the pass-through.
4. Make a hole in the wall in such a way that the air supply sleeve drains outside. Angle: 1 to 3 degrees of the slope percentage: 2 tot 5 %.
5. Determine the length of the wall pass-through and shorten if required. You can easily shorten the air supply sleeve (0.5 mm) by using flying shears. You can easily shorten the flue gas tube (0.6 mm) by using a metal saw. We do not recommend grinding in connecting with burning the stainless steel. Remove burrs and sawdust.
6. Insert the wall pass-through from outside through the wall and connect to the concentric bend with "TOP" in the upward position to the wall. (Ensure that draining the air supply sleeve occurs outside.) You can finish the internal side of the wall using a wall plate if required. This can be ordered as an option.

Wall pass-through via wall of flammable material (See page 13 Fig. 2)

The pass-through must be and remain at a distance of 50 mm all around from any flammable material in accordance with national rules and regulations. This issue can be resolved in two ways from a practical perspective:

1. Use a pipe sleeve made of non-flammable material with a diameter of 250 mm.
2. Make a shell of non-flammable material; square: 250 mm.

Material: Promatec 12 or Nobranda. Use a centring plate (USCP 10) in both cases for centring and finishing purposes.

Roof pass-through installation instructions**General:**

The distance between ducts and pass-throughs to flammable material must overall amount to a minimum of 50 mm. All elements related to the air supply and the flue gas exhaust system must be fitted into each other by at least 30 mm and must be secured against any possibility of becoming detached. By preference use clamping strips (USKB 10) or stainless steel parkers when using fitting pieces to secure in place. The duct and the pass-through must be kept in place by using wall brackets and centring plates. The maximum distance between the wall brackets should be 2 metres.

Flat roof installation instructions (see page 13, Fig. 3)

Determine the position of the pass-through and make a hole.

Install a roofing sheet.

Install the roof pass-through vertically.

Install centring plates.

Install the mounting bracket and attach to the centring plate.

Ensure the pass-through finish is watertight.

Sloping roof installation instructions (see page 13, Fig. 4)

Determine the position of the pass-through and make a hole.

Tiled roof: Install lead flashing.

Bitumen roof: Install a roofing sheet.

Install the roof pass-through vertically.

Install centring plates.

Install the mounting bracket and attach to the centring plate.

Ensure the pass-through finish is watertight.

Minimum and maximum duct length for the fireplace.

The duct may only be built up in accordance with the instructions below as specified in Figures 5, 6 and 7 on page 14. The minimum and maximum duct length specified here must be observed at all times to ensure good and safe operation.

## 9.4 Installation instructions related to existing flues

### **Instructions**

The flue gas exhaust system must be built up in accordance with the national rules and regulations and the instructions of the manufacturer as specified in the documentation and the installation instructions. This documentation will be supplied free of charge on request.

### **Parts**

Check all parts for damage before starting the installation. You will require the following parts for converting a brickwork duct to a concentric duct connecting to a CC duct system (see page 15, Fig. 8):

1. Gas-fired fireplace with a maximum nominal power of 10 kW
2. Concentric duct
3. Mounting plate inside, square 300
4. Single-wall and round slider 97
5. Parkers (4 units)
6. Flexible hose, stainless steel 316 L, single-wall and round 100 /107
7. Hose bracket, stainless steel, ranging from approx. 90 to 165
8. Existing brickwork duct
9. Mounting plate on the roof, square 300
10. Clamping strip (supplied with 11)
11. Roof pass-through

**Note:** The renovation/sanitation set consists of the parts 3, 4, 5, 7, and 9.

### **Installation** (see page 15, Fig. 8 and 9)

- Guide the flexible hose (6) through the existing duct (8).
- Attach the slider (4) to the bottom of the flexible hose and secure this in place using two parkers (5).
- Keep the bottom of the slider at the same height as the bottom of the duct or the ceiling. Shorten the flexible hose to approximately 100 mm above the chimney coping.
- Attach the mounting plate to the flexible hose on the roof (9), clamp it with a hose bracket (7) and secure it in place using a parker (5).
- Attach the mounting plate to the chimney coping watertight on the roof (9) using silicone sealant and stainless steel screws.
- Install the roof pass-through (11) and secure it in place using the supplied clamping strip (10).
- The slider (4) will protrude approximately 100 mm underneath the duct or ceiling after installation.
- Attach the mounting plate inside (3) gastight against the bottom of the structural duct or against the bottom of the concrete floor using silicone sealant and screws.
- Position the unit (1) in accordance with the instructions of the unit manufacturer.
- Install a minimum of 1 metre of concentric duct type US (2).
- Extend the concentric duct using sections (2) up to a minimum 100 mm in the structural duct.
- Finally, turn the clamping strip by hand in the mounting plate inside (3).

## **10. CLEANING AND MAINTENANCE**

The unit must be cleaned and checked every year by your dealer. The Helex CC system must be cleaned every 2 years.

### **Check the following:**

1. The seal of the gas combustion products and combustion air supply circuit.
2. The correct operation of the gas pressure relief valve and the ignition of the burner.

**Cleaning of (if required):**

1. The burner
2. The combustion space
3. The ceramic glass

**10.1 Cleaning of the burner**

If a vacuum cleaner is used for cleaning, take great care in relation to the burner because it can be damaged by a sharp or heavy object. Please also ensure you do not apply too much force on the burner material. If the burner shows visible damage, it may influence the log fire effect.

**10.2 Cleaning of the glass**

A deposit may form on the glass depending on the intensity of use in due course. This deposit can be removed by using a special glass cleaner or a special window cleaner for fireplaces. Carry out the following in relation to this: Remove the glass strips as described in chapter 5.

Next, you can clean the inside of the glass by using a glass cleaner.

Only handle the glass with clean hands.

Follow the instructions in reverse order to install the glass.

Ensure that the wood set is positioned correctly before you put the glass back as described in chapter 6 on page 5.

**10.3 Removable parts**

Disassembling the burner and ignition rod.

**Disassembly**

- Disconnect the mains voltage from the unit and connect the gas tap.
- Disconnect the burner line that can be found immediately after the adapter and which is connected to the gas tap side.
- Next, remove the glass, the wood set and the vermiculite granules.
- Loosen the 12 M5 socket screws from around the gas block and remove the whole of the plate and control from the unit. Disassemble the 12 mm pipework from the burner to the gas block and remove the 4 screws from the side brackets of the burner. By removing the 2 parkers of the radiation plate, it will be loosened so that the sealant below the burner plate can be removed by cutting it away. Connect the ignition/ionisation wire of the ignition /ionisation rod. Remove the sealant from below the burner plate by cutting it away. The burner can now be removed from the burner plate.

**Note:** The burner cover can be damaged by a sharp or heavy object. Ensure that you handle the burner very carefully.

**Installation**

Perform the actions above in reverse order. Ensure that the heat resistant sealing silicone is reapplied and provides a good seal on the bottom of the burner plate and the ignition/ionisation rod.

**11. FAILURES****FAILURE**

**The remote control is not working. The red light is not lighting up when the remote control is being operated.**

**CAUSE**

The batteries are flat.

**SOLUTION**

Remove the cover on the back of the remote control and replace the of batteries (type A23 12 V).

**The remote control is not working but the red lamp does go on.**

There is no mains voltage.

Check whether the plug is in the power socket and if the socket is live.

**Continuation**

**The fireplace cannot be started.**

Gas in the gas line.

Vent (bleed).

Gas pressure too low.

Warn the installer.

Ignition/ionisation rod electrical cabling

Check whether the ignition ionisation rod is connected to the automatic ignition control.

Gas tap closed

Open the gas tap

**Automatic ignition control in safety mode. Red reset light on the control is on.**

Reset the unit by using the remote control.

**The fireplace switches off automatically.**

The ionisation protection is operational.

Check the gas supply.  
Note: The automatic ignition control is entering the safety mode. First reset to ensure ignition is possible.

The ignition/ionisation rod is not in the correct position.

Check the circuit.  
Reposition.

**The fireplace switches off after a few seconds.**

Unit is phase dependent.

Turn the 220V plug 180° and position it back in the 220V earthed power socket.

Unit has not been earthed correctly.

Use an earthed power socket.

### 11.1 Changing the address code of the remote control

The AUX-H35D (black reception box) is supplied with a preset address code. This code can be changed if required. This may be required when using several remote controls in the same environment.

Follow the following procedure:

1. Open the hand transmitter:
  - a. Slide off the battery cover.
  - b. Take the battery out.
  - c. Loosen the cross-slotted screw.
  - d. Carefully disassemble the housing.
2. You will find a block with 4 DIP switches on the circuit board of the hand transmitter. The transmitting address can be changed by adjusting one or more of these switches (there are 15 options and all four “on” should be avoided).
3. Connect the hand transmitter (reverse order to the instructions listed under 1.). Ensure that you put the printed circuit board back correctly to ensure the pins cannot be damaged.
4. Connect the receiver to the mains.
5. Next, press a random button on the hand transmitter and keep it pressed.
6. Next, briefly press the “self-learning” button on the receiver to the right on the connection strip.
7. Check whether the receiver reacts to the hand transmitter. If it does not react, repeat actions 5 and 6.
8. Close the receiver housing.

## **12. DISPOSING OF PACKAGING AND UNITS**

The packaging materials must be disposed of responsibly and in accordance with the stipulations of the authorities. Batteries are regarded as chemical waste. The battery must be disposed of responsibly and in accordance with the stipulations of the authorities. First remove the battery before disposing of the remote control. The authorities can also provide information about the responsible disposal of discarded equipment.

## GAS TECHNICAL INFORMATION

Land/country/pays	NL	BE	DE	GB
Categorie/categorie/Kategorie/category/ I2L	I2L	I2E+	I2E	I2H
Toesteltype/type d'appareil/Gerätetyp/unit type	C11 / C31	C11 / C31	C11 / C31	C11 / C31
Belasting Hi/charge nominal/Nenn-Leistungsaufnahme/hi load	6,1 kW	5,5 kW	7,2 kW	7,2 kW
Rendementsklasse/categorie de rendement/Leistungsklasse/performance class	2	2	2	2
Gassoort instelling/sorte de gas/Gasarteneinstellung/gas type setting	G25	G20	G25	G20
Aansluitdruk/pression de branchement/Anschlussdruck/connecting pressure	25 mbar	20 mbar	20 mbar	20 mbar
Gasdebit bij volle belasting/debit de gaz a pleine charge/ Gasdurchsatz bei Vollast/Gas delivery with a full load	750 l/h	582 l/h	750 l/h	762 l/h
Branderdruk bij nominale voordruk/ pression bruleur/ Brennerdruck bei Nenn-Vordruck/Burner pressure at nominal pre-pressure	11,9 mbar	18,7 mbar	11,9 mbar	11.3 mbar
Inspuiter/pression d'injection/Einspritzung/injector	2,5 mm	2,0 mm	2,5 mm	2,5 mm
Kleinstand bij nominale voordruk/pression petit flamme/ Niedrigstand bei Nennndruck/Low position at nominal	8,5 mbar	14,8 mbar	8,5 mbar	6,7 mbar
Regelkraan/robinet de reglage/Regelventil/Regulating cock Honeywell	VK4105M5025	VK4105M5025	VK4105M5025	VK4105M5025
Regelblok/bloc de reglage/Regelblock/control block Honeywell	S4565AD2007	S4565AD2007	S4565AD2007	S4565AD2007
Drukregelaar/regulateur de pression/Druckregler/pressure regulator	V7335A5003	V7335A5003	V7335A5003	V7335A5003
Voltage/Netzspannung	230 V	230 V	230 V	230 V
Frequentie/frequence/Frequenz/frequency	50 Hz	50 Hz	50 Hz	50 Hz
Veiligheidskl./categorie de securite/Schutzart/safety class	IP20	IP20	IP20	IP20
Opgenomen elektr.verm. max./cap.electr.max./max. el. Leistungsaufnahme/Max. Power consumption	17 VA	17 VA	17 VA	17 VA
Gasaansluiting regelkraan <i>buiten</i> /raccordement de gaz pour le robinet de reglage <i>ext.</i> /Gasanschluss Regelventil <i>außen</i> /Outside gas connection regulating cock	1/2"	1/2"	1/2"	1/2"
Gasaansluiting brander-auroma <i>buiten</i> / raccordement de gaz pour le dispositif /automatique de bruler <i>exterieur</i> /Gasanschluss Brennerautomat <i>außen</i> /Outside gas connection automatic ignition control	12mm.	12mm.	12mm.	12mm.
Aansluiting luchttoevoer/raccordement pour l'arrivée d'air/ Anschluss Luftzufuhr/Air supply connection	100-150	100-150	100-150	100-150

## AUX-H35D TECHNICAL INFORMATION

AUX-H35D Remote control with direct valve control for Honeywell automatic ignition control with modiplus coil.

### Receiver

There is a 9 +2 Molex connecting block and a self-learning button on the receiver. The terminals marked with Li and Ni are the mains connection for the ingoing voltage of 230 V 50 Hz (Li= phase, Ni= neutral). No and Lo are outputs for permanent 230 V via the internal 2A fuse. The Lo phase connection is double to make assembly easier. X1 and X2 are the relay contacts (normally open) that can, for example, be used to start the burner. Y1 and Y2 can be activated remotely with a special procedure on the transmitter. The contact will then close for a second and can be used for reset functions. See the Honeywell installation information for the connection diagram. The connection for the Modiplus coil has been marked with M+ and M-. Polarity, however, is not important in relation to this. The self-learning button can be found on the right that can be used to teach the receiver the transmission code. Connect the Molex cable to this using the earth cable marked with a round connecting eye. This must be connected to the unit. The other side of this cable must be connected to the automatic ignition control that can be found on the gas block. The earth wire must be connected to the earth terminal of the gas block. The 2 other wires must be connected to the white connecting block with the two pins.

Connecting strip:

Li	Ni	No	Lo	Lo	X1	X2	Y1	Y2	M+	M-	
----	----	----	----	----	----	----	----	----	----	----	---

Li = 230 V 50 Hz phase connection

Ni = 230 V 50 Hz neutral connection

No = 230 V neutral output

Lo and Lo = double version 230 V phase output via a 2A fuse

X1 and X2 = potential free contact for start function (max. 6A-250V)

Y1 and Y2 = potential free contact for, for example, resetting (hidden function, max. 6 A-250 V)

M+ / M- = connection for the valve coil

R = Learn button for transmitter code



Ensure that you do not scatter vermiculite past the white line in relation to the ionisation rod in connection with the ignition.



← Top view  
Front view →



← Top view  
Front view →



← Top view  
Front view →



← Top view  
Front view →

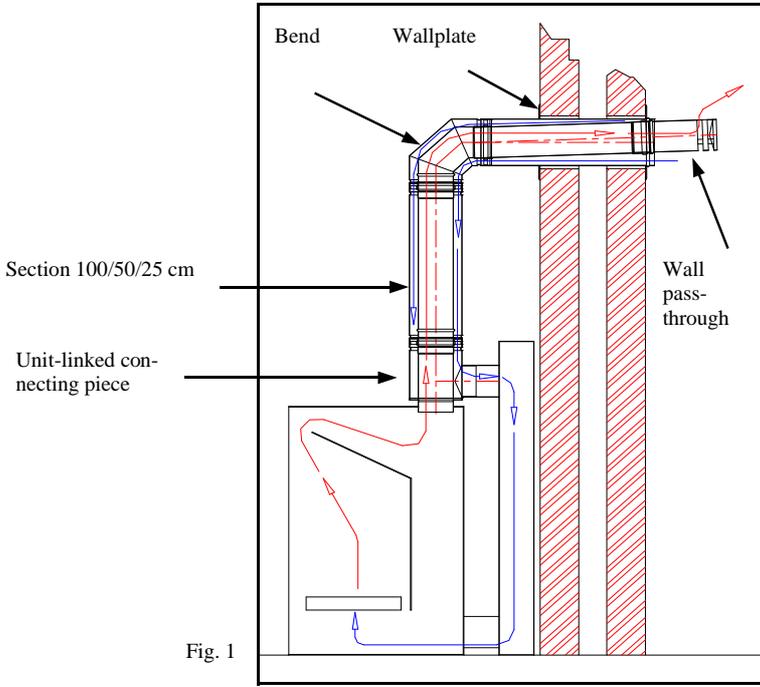


← Top view  
Front view →

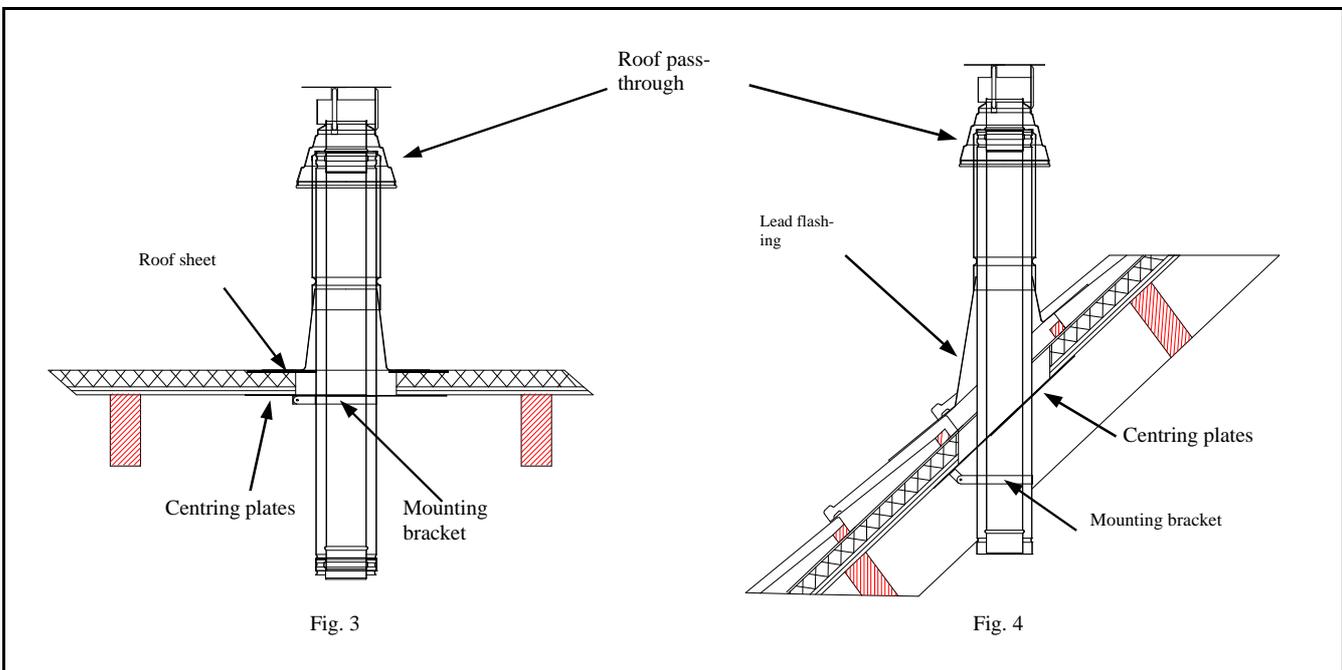
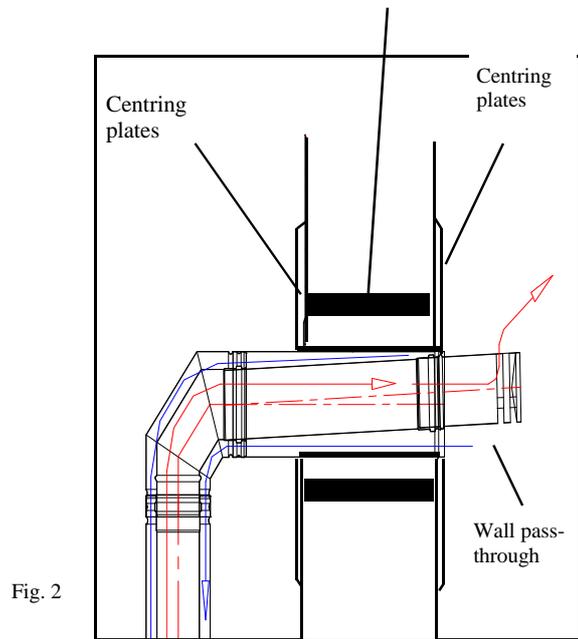


← Top view  
Front view →





Pipe sleeve Ø 250 mm or Square shell 250 mm



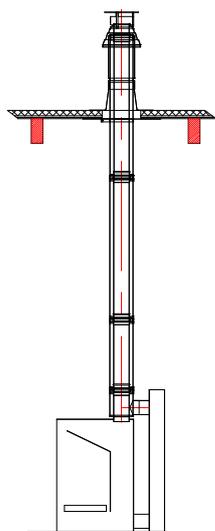


Fig.5

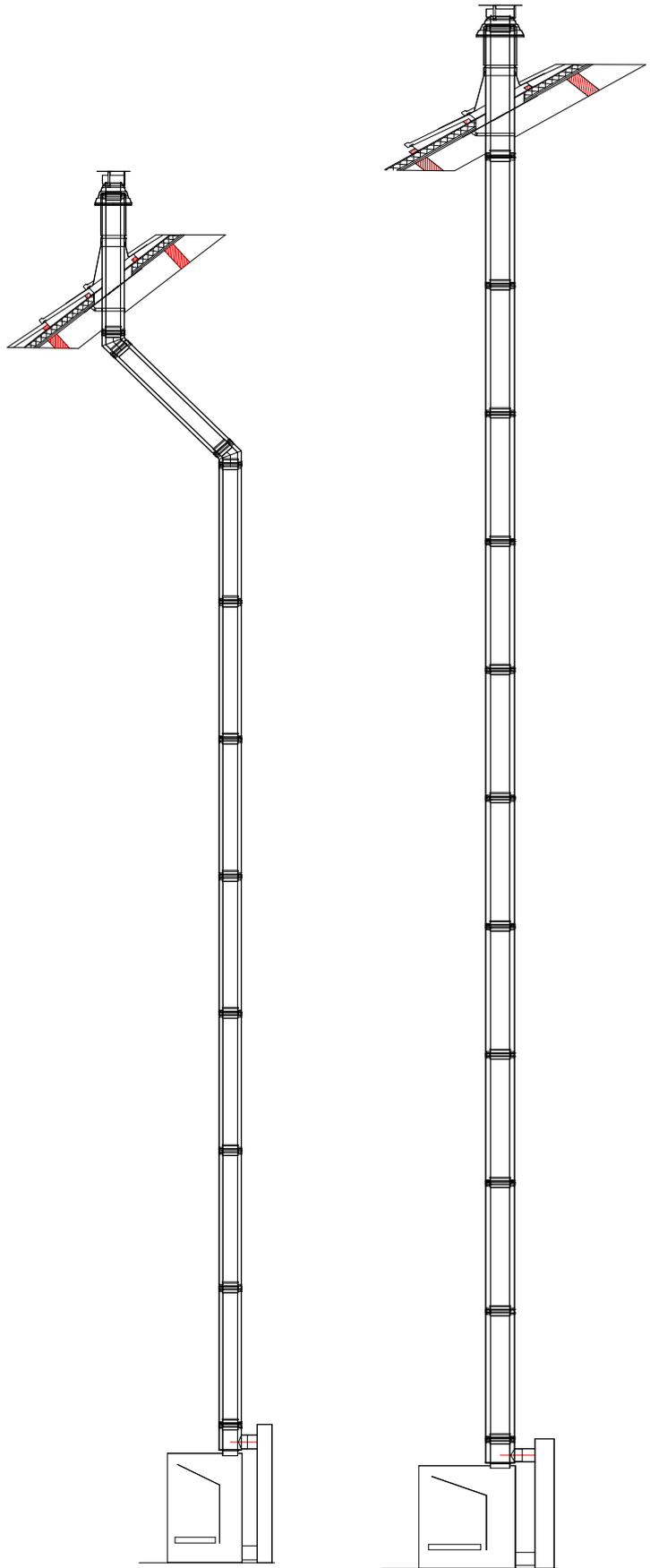


Fig.6

Fig.7

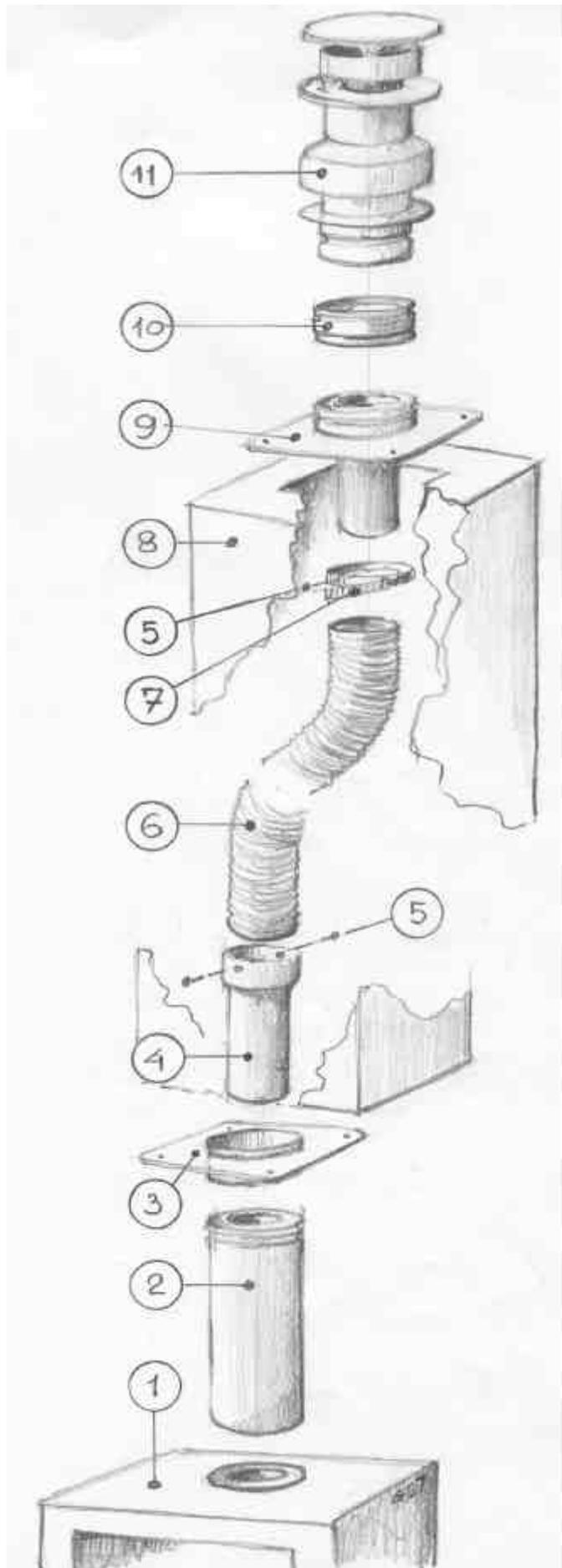


Fig. 8

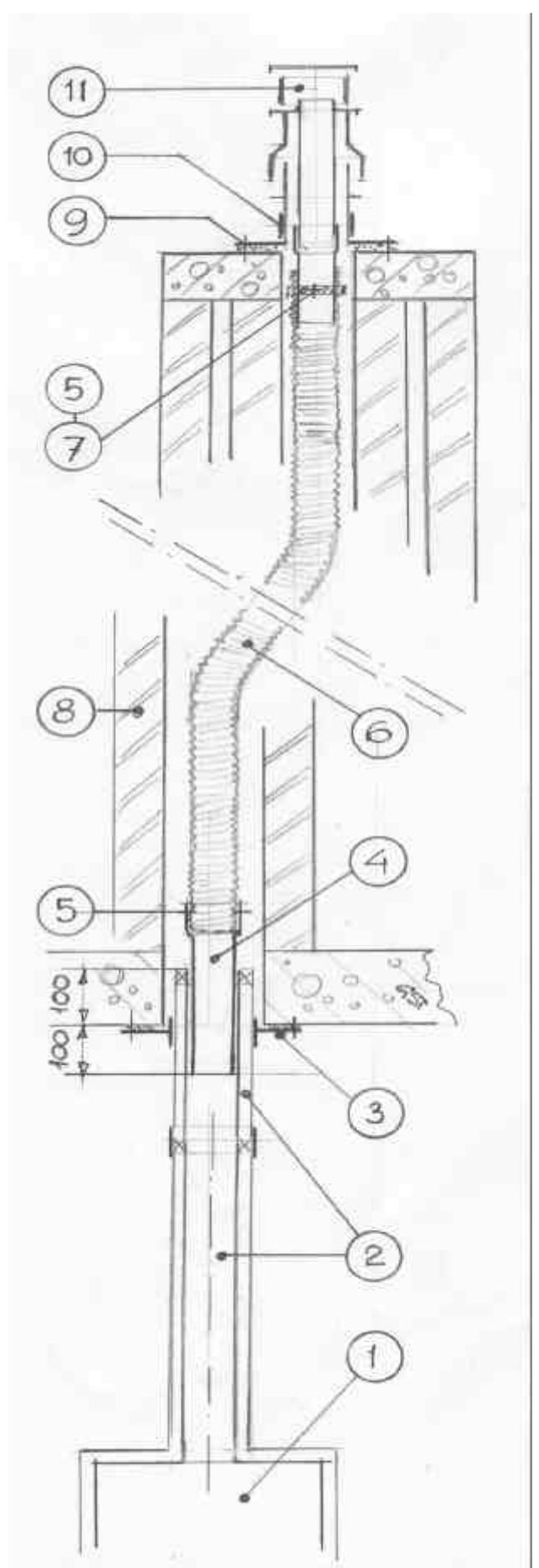
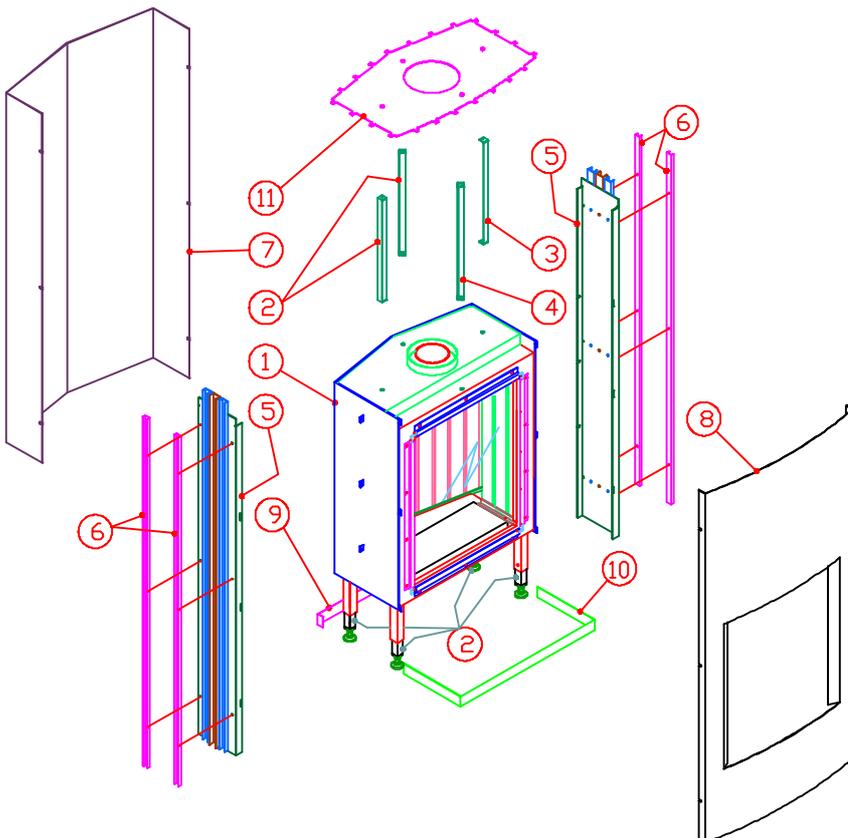


Fig. 9



Carefully remove the combustion chamber (1) from the packaging and check for damages. Carefully position the combustion chamber on its back to be able to slide in and attach the legs (2) using a parker as the method for securing in place. Position the combustion chamber straight to be able to install the mantel set (7 and 8). **Note:** Before installing the mantel, read the Installation Instructions on page 4, chapter 5, "Installation of the fireplace". Carefully remove the mantel parts from the packaging and check the parts for damage or other conditions that apply under warranty. First install the slat holder (5) with the pre-installed slats on the combustion chamber by allowing this to hook on to the hooks attached to the front of the combustion chamber. Install the slat holder on the combustion chamber by using the 3 attachment points on both sides of the combustion chamber and the six cylinder M5x8 socket screws for this purpose. Carefully install the back of the mantel (7) to the slat holders. Slightly loosen the 3 socket screws in the back slats (6) on both sides and

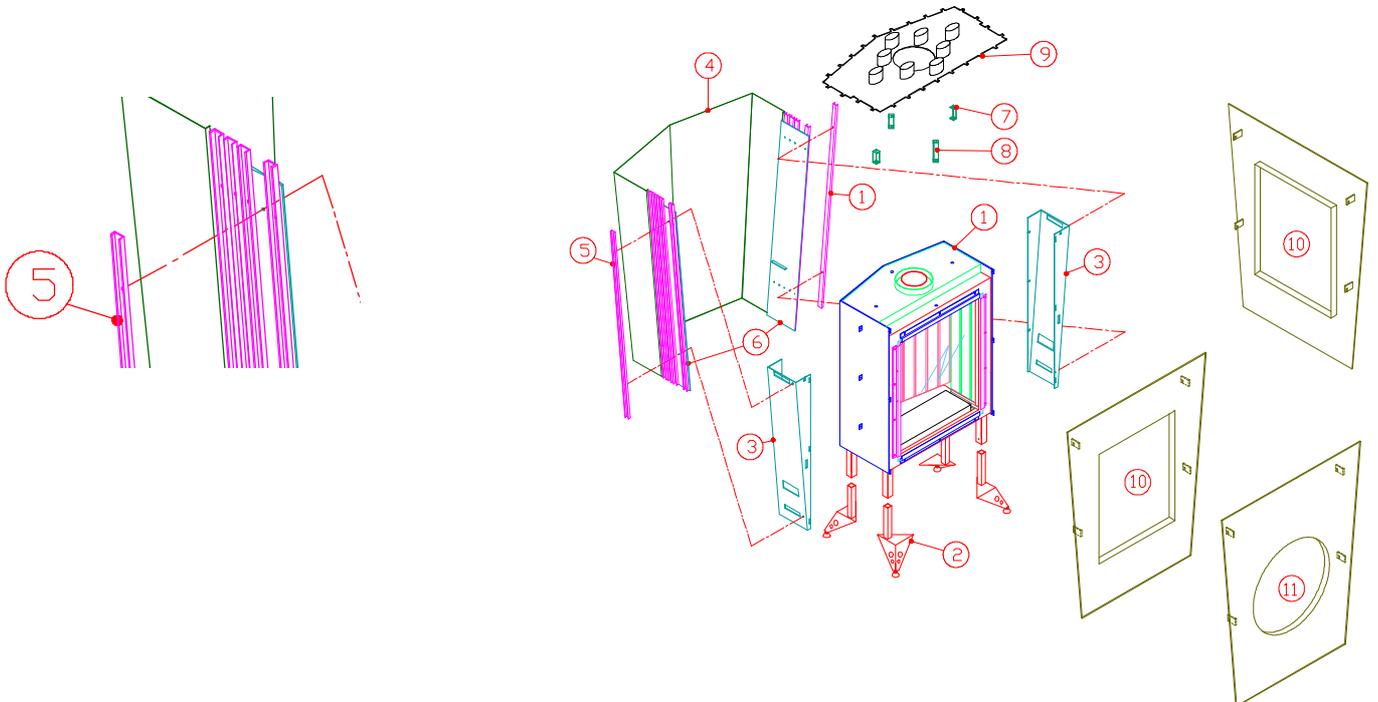
position the back mantel (first remove all protective film) between the slat and the slat holder and ensure that the slotted holes are aligned in relation to the socket screws. Attach the mantel to the unit by tightening the socket screws of the back slats. Next, the 4 spacers (3 and 4 of which the longest (4) on the pane side) for the top plate (11) can be installed on top of the unit with the parkers which have already been installed on top of the unit. The Helix CC system can now be laid. You must simultaneously attach the top plate by using the 4 M5x8 flanged bolts during the installation of this system. The ornamental strips (9 and 10) can be added around the adjustment legs (2) at the bottom of the unit for aesthetic reasons. Note: The bottom glass strip must be installed in the reverse order in relation to the S and L Lumeo mantels. The glass strip can be found in the packaging of the relevant mantel. Repeat the installation method used in relation to the front mantel but with the front slats (first remove the protective film). Also remove any film used to protect any other material.





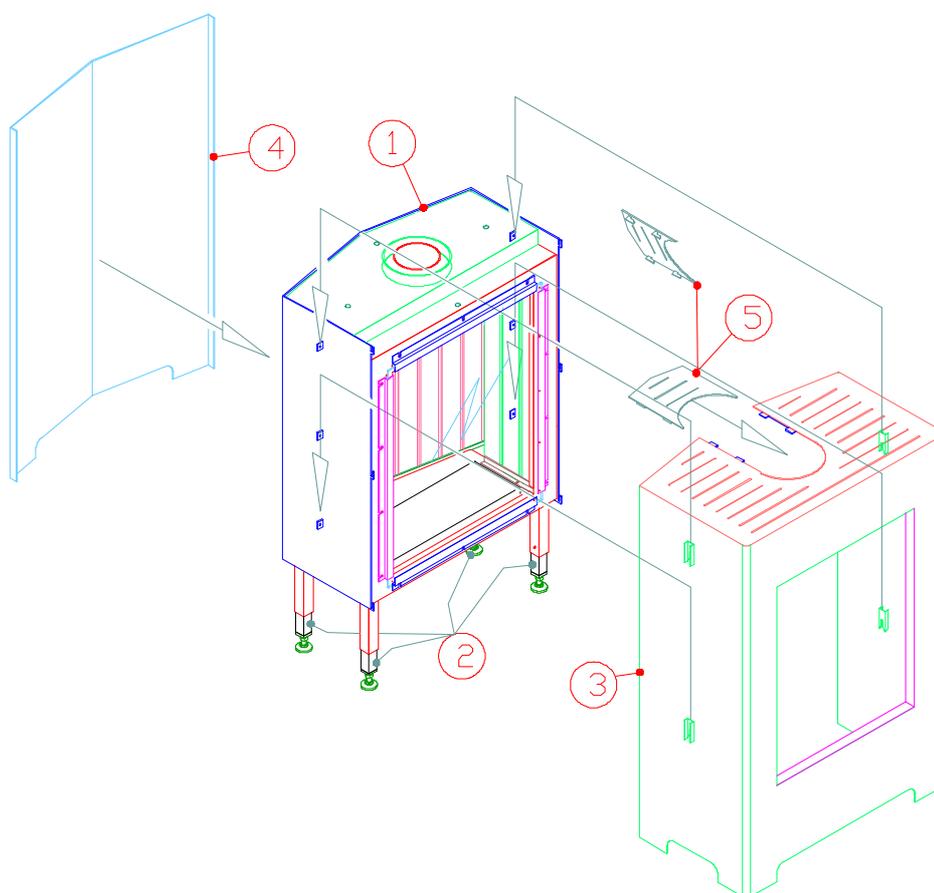
Carefully remove the combustion chamber (1) from the packaging and check for damages. Carefully position the combustion chamber on its back to ensure you can slide in the legs (2) marked with LV and RA (to the left at the front and to the right at the rear) and to ensure you can attach the legs using a parker as the method for securing in place. Position the combustion chamber straight to be able to install the mantel (4). **Note:** Before installing the

mantel, read the Installation Instructions on page 4, chapter 5, "Installation of the fireplace". Carefully remove the mantel parts from the packaging and check the parts for damage/breakage or other conditions that apply under warranty. First install the slat sheet holder (3) on the combustion chamber by allowing this to hook on to the hooks attached to the front of the combustion chamber. Install the slat sheet holder on the combustion chamber by using the 3 attachment points on both sides of the combustion chamber and the six cylinder M5x8 socket screws for this purpose. Remove the slats (5) as specified from the slat holders (left and right) and carefully install the back mantel (4 and 6) on the slat sheet holders. Recesses have been added in the slat sheet holders to make installation easier. Attach the whole using the detached slats (5). There are 4 (two to the left and two to the right) recesses to ensure the front plate (10 or 11) can be positioned on the front of the slat sheet holders. Hooks have been provided to the rear of the front plate to hook it into the aforementioned recesses of the slat holder (3). Lift the front mantel using the large hole in the centre and, next, position it carefully in the recesses. Next, the 4 spacers (3 and 4 of which the longest (4) on the pane side) for the top plate can be installed on top of the unit with the parkers which have already been installed on top of the unit. The Helex CC system can now be laid. You must simultaneously attach the top plate by using the 4 M5x8 flanged bolts during the installation of this system. Next, level the unit using the adjustable legs or make it visibly equal as required. Remove any film or other protective material.





Carefully remove the combustion chamber (1) from the packaging and check for damages. Carefully position the combustion chamber on its back to be able to slide in and attach the legs (2) using a parker as the method for securing in place. Position the combustion chamber straight to be able to install the mantel (4). **Note:** Before installing the mantel, read the Installation Instructions on page 4, chapter 5, "Installation of the fireplace". Carefully remove the mantel parts from the packaging and check the parts for damage/breakage or other conditions that apply under warranty. Disassemble the back wall (4). First position the mantel (3) on the combustion chamber by allowing it to hook on to the 3 attachment points provided on both sides of the combustion chamber (the centre attachment point serves no purpose in relation to this action). Position the cover (5) on top of the unit and position it in connection with the top section. Install the back wall (4) by using the six flanged screws. Level the unit with the adjustment legs or make it visibly equal as required. The Helex CC system can now be laid.



## Important tips for heating with gas-fired or wood-fired stoves and fireplaces.

### Prevent discolouration of walls and ceilings!

There are always dust particles in the air in every living space, **even if it is regularly vacuumed!** These particles are clearly visible in rays of sunlight and they will not bother you as long as the concentration of particles in the air remains low. The indoor climate can only be described as bad if these particles are floating through the room in larger quantities for any reason whatsoever and, above all, if the air is additionally polluted by soot and tar particles caused by the burning of candles or oil lamps for example, and by smoking cigarettes or cigars! In a heated living space, cooled air slowly streams across the floor to the combustion appliance. This air is heated in the convection system of the stove or fire, causing a fast-rising column of warm air to develop, which then spreads throughout the room again. As a consequence, this air always contains dust and other pollutant particles that will leave deposits on cold and often damp surfaces. This is potentially a particular problem in new buildings that are not yet dry (construction moisture). An unwelcome result of this phenomenon could be discolouration of walls and/or ceilings!

### How can you prevent these problems?

If the gas-fired or wood-fired appliance is fitted with insulated covering, one of the following materials should only be used:

- Loose white insulation wool (heat resistant to 1000°C)
- Rocktherm 180.012 insulation wool (700°C) from Rockwool, or the equivalent
- Other mineral insulation wool **without binding agents (synthetic resins) or water-repellent substances (mineral oils).**

Wait at least 6 weeks before firing a newly-bricked chimney or after renovations, since the construction moisture must have disappeared completely from walls, floor and ceiling. The room where the appliance is located must be well-ventilated and the required ventilation must be in compliance with the stipulations of the local Buildings Decree. Use candles and oil lamps as little as possible and keep the wicks as short as possible. These two “atmospherics” provide considerable quantities of pollutant and unhealthy soot particles in your home. Smoke from cigarettes and cigars contains tarry substances which will also leave deposits on colder and damp walls when heated. If the interior climate is bad, this phenomenon may also occur above radiators and lighting fixtures and at ventilation grilles, although to a lesser degree.

**This section to be kept by the customer**

**This section to be returned by the customer (see**

## GUARANTEE CERTIFICATE

Type of fireplace/heating appliance \_\_\_\_\_

Model \_\_\_\_\_

Serial number \_\_\_\_\_

Design \_\_\_\_\_

Name of customer \_\_\_\_\_

Street \_\_\_\_\_

Postcode, town/city \_\_\_\_\_

Telephone \_\_\_\_\_

Date of purchase \_\_\_\_\_

Name of supplier/installer \_\_\_\_\_

Street \_\_\_\_\_

Postcode, town/city \_\_\_\_\_

Signature and stamp Supplier/Installer

## REGISTRATION CARD

Type of fireplace/heating appliance \_\_\_\_\_

Model \_\_\_\_\_

Serial number \_\_\_\_\_

Design \_\_\_\_\_

Name of customer \_\_\_\_\_

Street \_\_\_\_\_

Postcode, town/city \_\_\_\_\_

Telephone \_\_\_\_\_

Date of purchase \_\_\_\_\_

Name of supplier/installer \_\_\_\_\_

Street \_\_\_\_\_

Postcode, town/city \_\_\_\_\_

Signature and stamp Supplier/Installer

## GUARANTEE CONDITIONS

1. All appliances are supplied under a guarantee against material and manufacturing errors. The guarantee is limited to a maximum of the supply of a replacement component and only applies if the instructions for installation and use enclosed with the appliance have been followed, and if the product is being used under normal conditions in the dealer's assessment.
2. There is a five year guarantee on fire refractory clay, with effect from the date of purchase. Shrinkage cracks and discolouration after heating are not covered by the guarantee.
3. There is a five-year guarantee on cast iron fires, cast iron stoves and cast iron recessed fires. A two-year guarantee is given on components of these appliances, such as ceramic sealants, nuts, bolts, screws, washers, mastic, knob springs, bearings, fans, fireguards and sheet metal parts.
4. There is a two-year guarantee on gas appliances, with the exception of thermocouples and fuses. The appliance must have been installed by a registered installer in compliance with current standards.
5. The guarantee conditions only apply if the attached guarantee card is completely filled in on the date of purchase and returned to the importer within 10 days. This is also the date of inception of the guarantee.
6. The guarantee lapses if changes have been made to the appliance without the advance knowledge and written permission of dealer/importer, and when an appliance has been shipped without sound packaging and transport protection.
7. The following are not covered by the guarantee:
  - Defects caused by inexpert assembly and/or treatment.
  - Costs of transport, assembly and dismantling.
  - Glazing, fire gratings, refractory stones, flue gas baffle plates, heat shields and controllers.
  - Paint discolouration which may develop after heating.
  - Overheated parts due to faulty installation and/or fitting.
8. In view of the tremendous variations in the possible options for building a chimney, we are unable to give any guarantee regarding the draught of a chimney that might lead to complaints about smoke. The chimney must be built by a professional and this establishes the guarantee for the proper functioning of this appliance.
9. The dealer/importer will supply a new component free of charge for every component that becomes defective during the guarantee period. The dealer must return the defective component to the importer, stating date of purchase, type of appliance and serial number.
10. Renewal or replacement of components that fall under the guarantee cannot prolong the total length of the guarantee. The guarantee provides no right whatsoever to indemnification in the event it is not possible to use the fire.
11. Liability can never be accepted for loss in any form whatsoever sustained by the customer, third parties or their property and caused directly or indirectly by the product.
12. Complaints will only be dealt with if the customer has met all his obligations, including his obligation to pay.
13. For further provisions, please refer to our Metaalunie and Orgalime conditions, which are filed at the office of the Court in Rotterdam (the Netherlands).

Send the guarantee card to your dealer / importer in a properly stamped envelope

### GUARANTEE CARD

Address;  
Postcode ;  
Town/city ;

