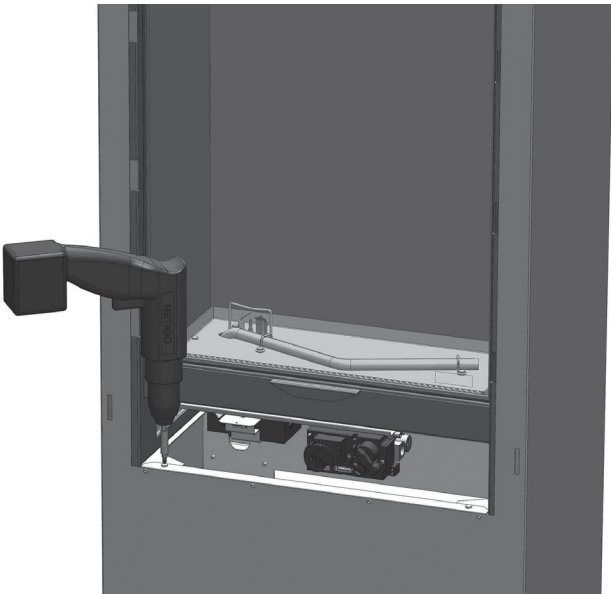
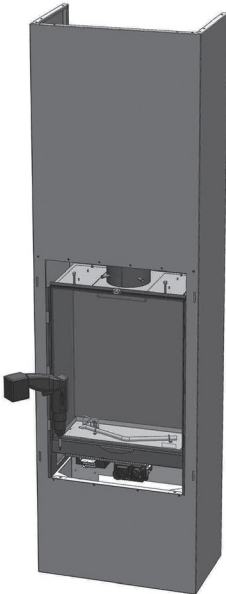


# Concept I-450

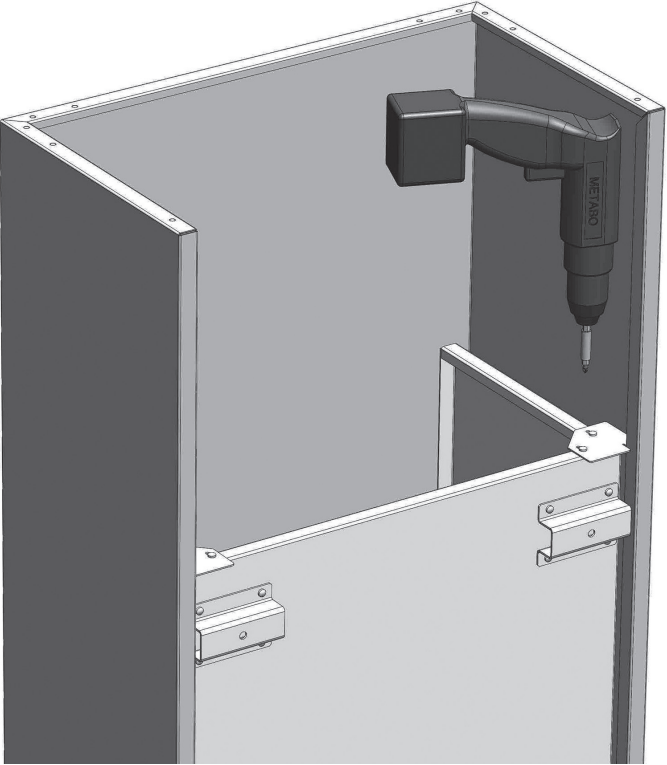
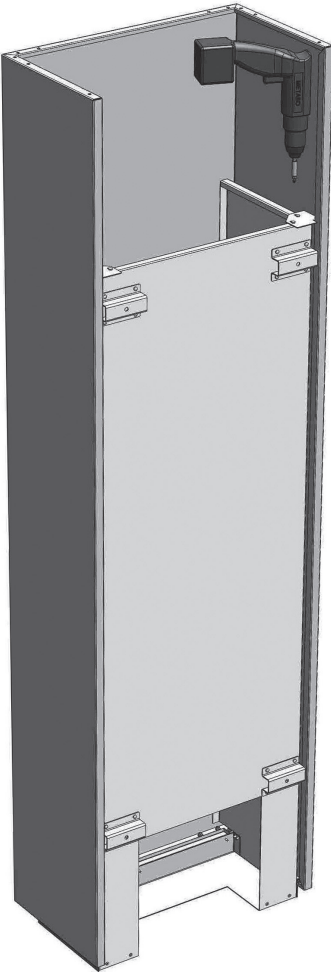


40011643-1550 Concept I-450 ENG

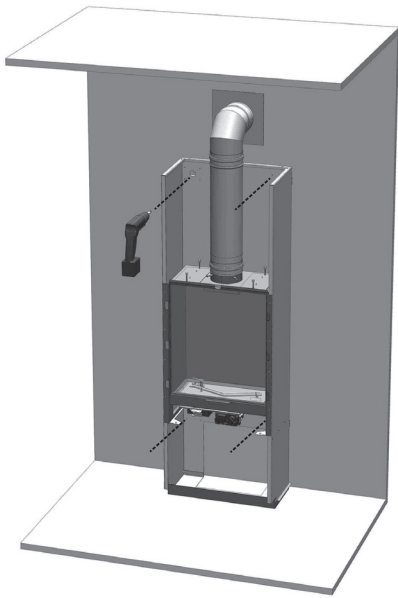
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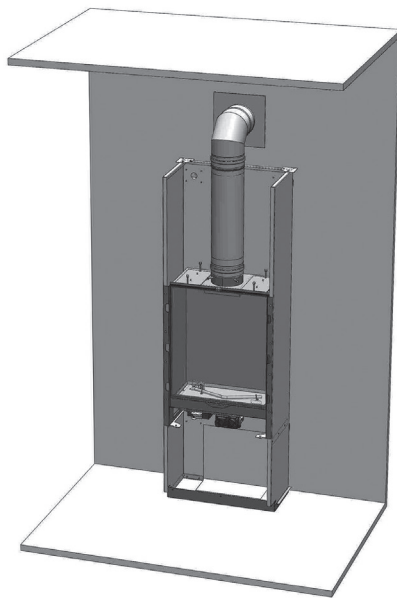
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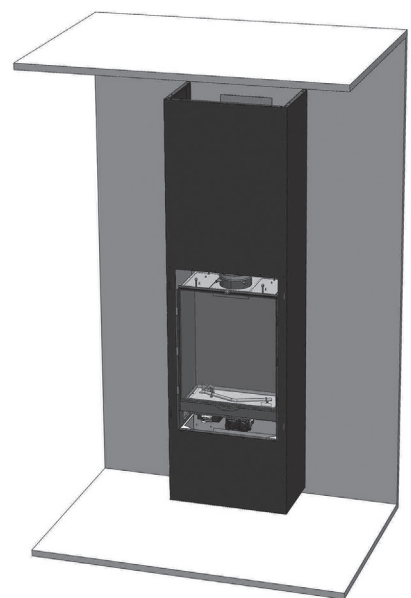
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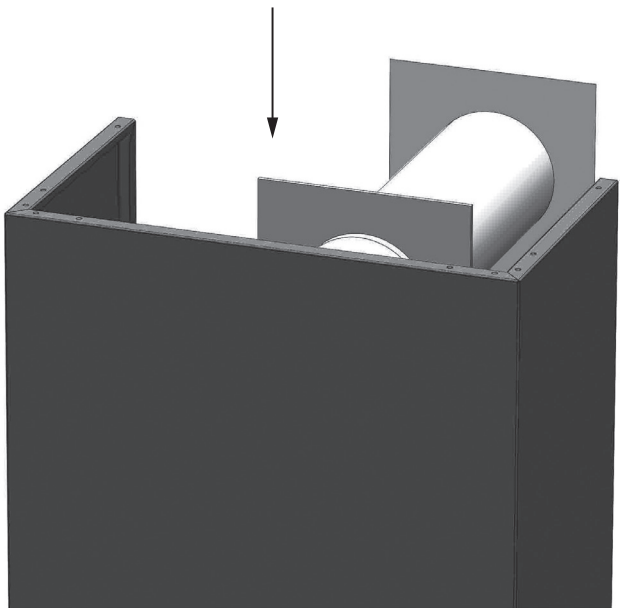
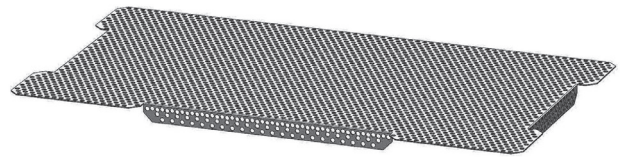
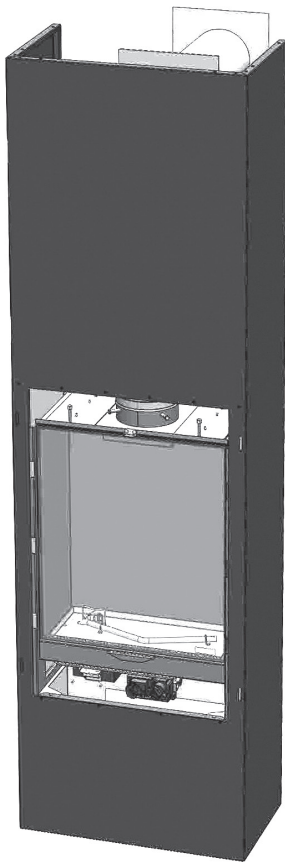
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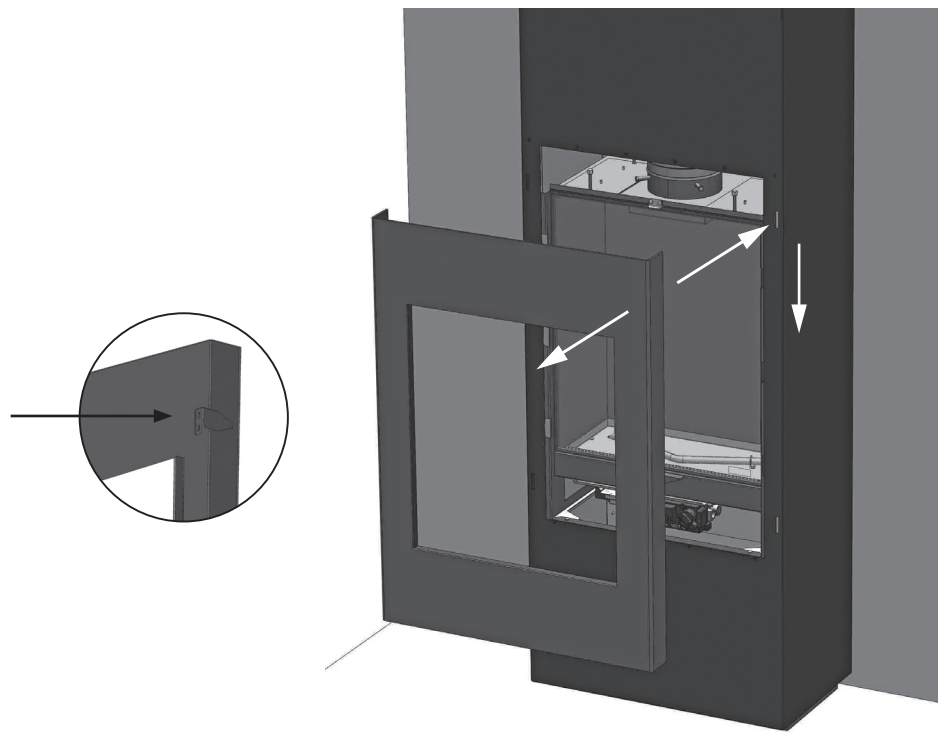
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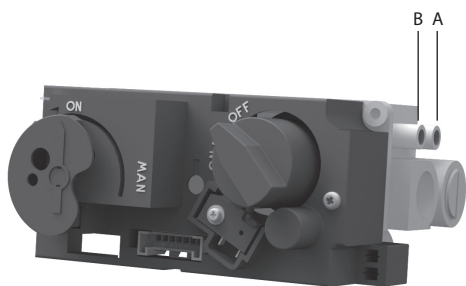
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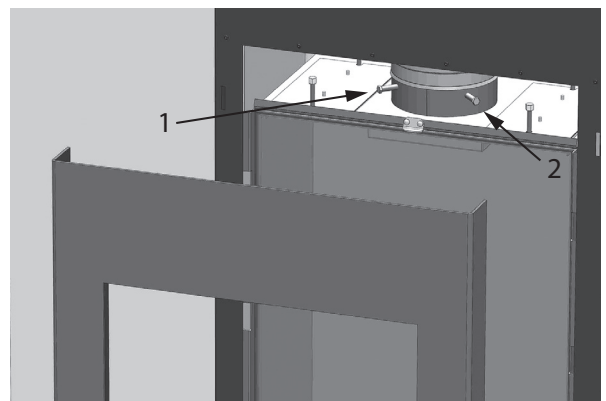
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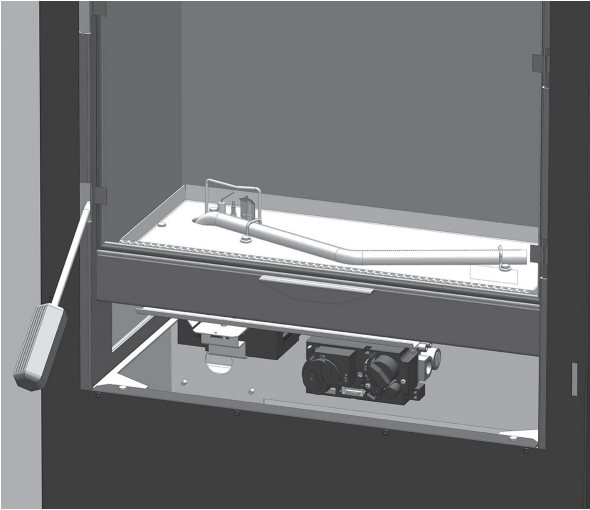
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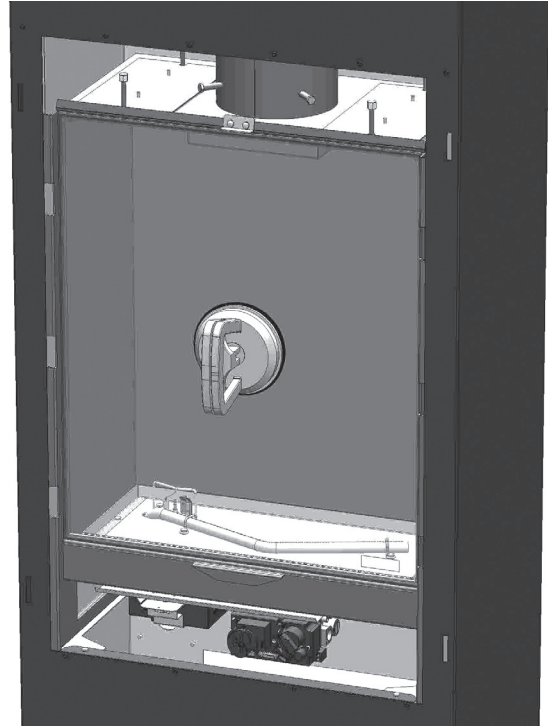
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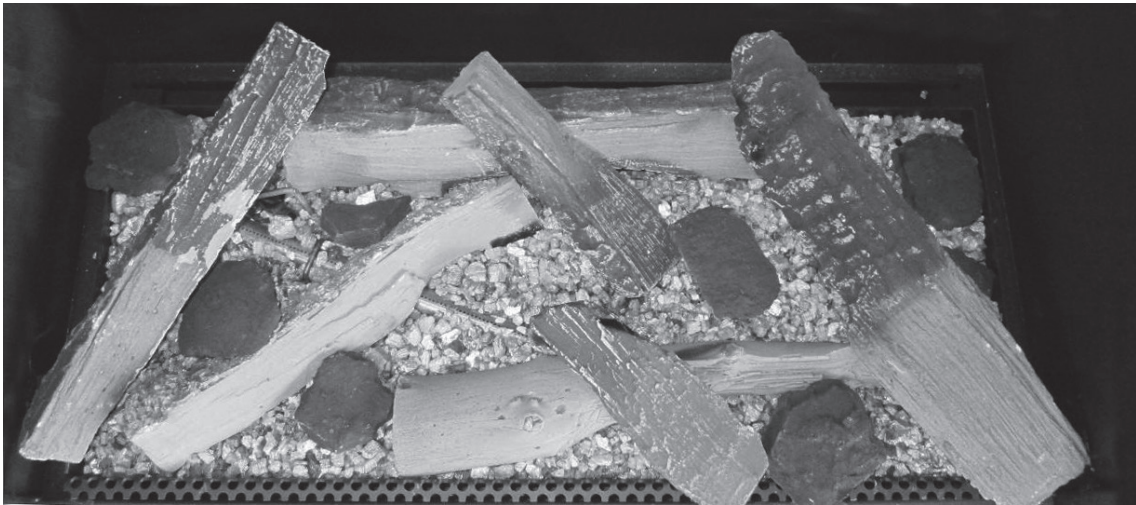
3.1



3.2



3.3



4.1

## 1 Dear user

Congratulations on purchasing your Faber product, a quality product that will provide you with the warmth and atmosphere for many years. Please read the user manual before using the fire. Should, despite the careful final checks, a malfunction occur, please contact your Faber dealer.

### > **Please note:**

The data of your fire is available in the user manual.

### 1.1 Introduction

Only have the appliance installed by a qualified installer according to the gas safety regulations.  
Read this installation manual properly.

### 1.2 Please check

Check the fire for transport damage and report any damage immediately to your dealer.

Check that the following parts are included:

1. Glass frame
2. Cover plate
3. Set of flue pipes (in box)
4. Log set
5. Suction cup
6. Installation manual
7. Users manual
8. Instruction card for log set
9. Warranty card
10. Remote control
11. Wall bracket for remote control

### 1.3 CE Declaration

Glen Dimplex Benelux certifies that this Faber fire complies with the essential requirements of the gas appliances directive.

Product: gas room heater

Model: Concept I-450

Applicable EC directives: 2009/142/EC

Harmonised standards applied: NEN-EN-613

NEN-EN-613/A1

This Declaration is invalid, if without the written permission of Glen Dimplex Benelux:

- Changes are made to the appliance.
- The fire is connected to other exhaust materials than specified.

## 2 Safety instructions

- serviced every year and maintained in accordance with these instructions and the applicable national and local regulations.
- Ensure that the data on the type label matches the local gas type and pressure.
- The settings and the construction of the fire must not be changed!

- The 230V electric cable may be only replaced by a qualified person.
- Ensure that the log layout (if applicable) exactly matches the relevant photographs in the instruction leaflet and never add extra decorative material that was not supplied with the fire.
- The pilot flame must never be obstructed and particular care must be taken when placing the logs, pebbles or stones which are supplied with the fire.
- The unit is for atmosphere and heating purposes. This means that all surfaces, including the glass, can be very hot (over 100°C); exceptions to this are the bottom of the fire and the control elements.
- Do not place any combustible materials within 0.5m of the radiation area of the fire.
- Before use, remove all stickers, protective film and any protective rubber strips from the glass.
- Ensure adequate ventilation of the room when using the fire for the first time. Run the fire at the highest setting for several hours so that the paint will have the chance to harden and any possible vapours can be released safely. Keep children and pets out of the room during this process.

### > **Please note**

*Through the natural air circulation of the fire moisture and uncured volatile components from paint, building materials and carpeted floors, etc. are attracted. These parts can settle as soot on cold surfaces. Therefore do not light the fire shortly after installation.*

## 3 Installation requirements

### 3.1 Attention points of the fire

- The minimum distance to the ceiling is 300mm. This is because of the ventilation opening.

### 3.2 Fluepipe and terminal requirements

- Supply of combustion air and the discharge of exhaust gases must always be achieved using flue materials specified by Faber. Only when using these materials can Faber guarantee the safe and proper operation of the appliance.
- The outside of the concentric flue pipes can heat up to +/-150°C so particular care must be taken when penetrating a flammable wall or ceiling to safeguard the construction with proper insulation and protection. A minimum distance of 50mm from the flue pipe to combustible materials must be maintained.

### 3.3 Terminals

- Verify that the position of the terminal meets the local regulations, e.g. regarding ventilation openings, which may be greater than the dimensions specified by Faber for safe and effective functioning of the appliance.
- **For proper functioning, the air supply and combustion gas discharge must not be obstructed.**

*The minimum distances for safe operation are specified in Chapter 12*

## 4 Preparation and installation instructions

### 4.1 Gas connection

Calculate/Size the pipe so that no pressure drop occur in the gas pipe.

### 4.2 Elektrical connection

The power supply must comply with the applicable local standards. A 6 Volt adapter is used. For this, a wall socket 230VAC/50Hz must be installed near the fire.

### 4.3 Preparing the fire

- Remove frame (fig 1.1 and 1.2) and glass and take the packaged parts from the fire.
- Store frame and glass in a safe place.
- Prepare the gas connection on the regulator

### 4.4 Positioning the fire

Take the installation requirements into account (see Chapter 3).

- Put and level the fire on the right place and mount it at the wall with 4 screws. (Fig. 1.3)
- There are no levelling feet underneath the fire.

### 4.5 Installing the flue materials

- When penetrating a wall the opening must be at least 5mm larger than the diameter of the discharge material. See Chapter 13 for the height of this hole.
- Horizontal sections should be installed with a slope towards the fire (3 degrees).
- Build the system from the fire. (Fig. 1.4). The telescopic part ensures an easy installation.

#### > **Please note:**

- The telescopic part must be fixed with a self-tapping screw.
- The wall terminal can be cut.

### 4.6 Positioning of the casing

If possible, carry out a performance test as described in chapter 7 on the fire before placing the casing. (fig. 1.5). Put the casing on the supports left and right and screw it according to fig. 1.1 en 1.2.

### 4.7 Positioning the cover plate

Put the cover plate on top of the casing. (See fig. 1.6).

### 4.8 Placing the glass frame

Put the 4 brackets of the glass frame in the slotted holes of the casing and lower the glass frame. (See fig. 1.7). Prevent damaging of the casing!

Removing the glass frame goes in reverse order.

## 5 Removing the glass

- Remove the glass frame. (See par. 4.8)
- Place the suction cup onto the glass. (Fig. 3.1 and 3.3)
- Remove the glass clamps by using a screw driver. (Fig. 3.2)
- Move the glass forwards.

To replace the glass repeat the process in reverse order.

#### > **Note:**

Remove the fingerprints from the glass these will burn in and cannot be removed after the fire is used.

## 6 Placing the decoration material

It is not permitted to use other or to add more material in the combustion chamber.

Keep the pilot light always free of decoration material!

Do not place all decoration material at one time on the burner; the fabric parts can block it.

### 6.1 Log set

- Spread the vermiculate preferably by hand over the tube burners. The surface of the pebbles may be very slightly elevated from the burner plate but it should be level throughout the entire length.
- Place the logs as specified. (see Fig. 4.1 or included log set card)
- It is optional whether you apply chips to the combustion chamber or not. Prevent chips from covering the burner, this has a negative effect on the fire image.

Start the fire as described in the user manual. Check if the flame distribution is good. Move the logs a little if necessary, until a good flame distribution is achieved.

## 7 Checking the installation

### 7.1 Checking the ignition of the main burner and the pilot flame

Ignite the fire as described in the user manual.

- Check that the pilot flame is well above the main burner and not covered by chips.
- Check the ignition of the main burner on full and small setting. (ignition must be smooth and quiet).

### 7.2 Checking for gas leaks

Check with a gas leak finder or spray all connections and pipes for gas leakage.

### 7.3 Checking the burner pressure and primary pressure

Check that the burner pressure and primary pressure match the information listed in the manual, Chapter 11 Technical specifications.

Measuring the primary pressure:

- Close the shutoff valve.
- Turn measuring nipple B (see Fig. 2.1) some turns open and connect a measuring hose to the gas regulator.
- Take this measurement at highest setting of the fire and when the fire is set to pilot light.
- Do not connect the unit if the pressure is too high.

Measuring the burner pressure:

Check the burner pressure only with proper primary pressure.

- Turn measuring nipple A (see Fig. 2.1) some turns open and connect a measuring hose to the gas regulator.
- The pressure must correspond to the value indicated in the technical specifications of this manual. In case of deviation contact the manufacturer.

> **Please note:**

Close all pressure measuring nipples and check for gas leakage.

#### 7.4 Checking the flame image

Let the fire burn for at least 20 minutes at highest setting and check the flame for:

1. Flame distribution
2. Colour of the flames

If one or both points are not acceptable then check:

- The log set layout and/or the amount of chips on the burner.
- The pipe connections for leaks (in case of blue flames).
- Whether the correct Restrictor is fitted.
- The outlet.
  - Wall terminal right side up.

#### 7.5 Flue gas analyzer

If you are in possession of a CO/CO<sub>2</sub> flue gas analyzer, then it is possible to check the supply air and the combustion gases. There are two measuring pipes at the front of the fire behind the frame (Fig. 2.2) 1= air supply, 2 = flue gas.

The ratio CO<sub>2</sub> and CO must not be greater than 1:100

Example:

CO<sub>2</sub> is 4% and CO is 400ppm, measured at the highest point

If the ratio is greater than 1:100 or exhaust gases are measured in the supply air, then also check above points.

## 8 Instructions for client

- Recommend that the unit should be checked annually by a qualified specialist to ensure the safe use and to guarantee a long service life.
- Give advice and instructions on care and cleaning of the glass. Highlight the danger of burnt-in fingerprints.
- Instruct the customer on the operation of the unit and the remote control, including replacing the batteries and setting the receiver.
- Handover to customer:
  - Installation instructions
  - User manual
  - Log set instruction card
  - Suction Cups

## 9 Annual maintenance

### 9.1 Checking and cleaning:

- Check and clean if necessary after verification:
  - The pilot light
  - The combustion chamber
  - The glass
  - The logs for breakage.
  - The outlet.
- Replace, if necessary:
  - Vermiculite grains/chips

### 9.2 Cleaning the glass

Most deposits can be removed with a dry cloth. Clean the glass with a ceramic hob cleaner.

> **Please note:**

Avoid fingerprints on the glass. These cannot be removed after they are burnt in!

Now carry out check-up as described in Chapter 7 "Checking after installation".

## 10 Conversion to other gas type

The conversion to a different gas type may only be performed by a qualified installer/dealer.

### 10.1 Conversion from natural gas to propane (or vice versa)

This can only be done by replacing the burner. To do so, please contact your dealer.

Specify with your order always the type and serial number of the device.

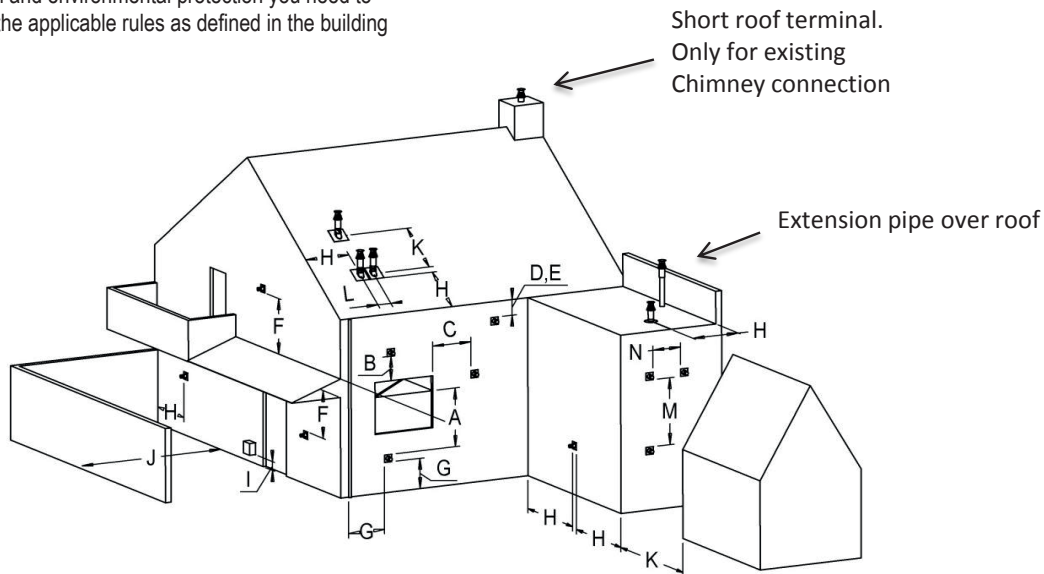


## 11 Technical data

Gas category		II2H3+	II2H3+	II2H3+
Type appliance		C11/C31/C91	C11/C31/C91	C11/C31/C91
Reference gas		G20	G30	G31
Input Hi	kW	4,5	4,5	4,5
Efficiency class		2	2	2
NOx-class		5	5	5
Inlet pressure	mbar	20	30	37
Gas rate (at 15° C and 1013 mbar)	m³/h	0,482	0,127	0,164
	gr/h	-	320	310
Burner pressure at full mark	mbar	10	24,8	31,6
Injector main burner	mm	1,9	1,1	1,1
Reduced input restraint	mm	1,1	0,85	0,85
Pilot flame		OP-NG9030	OP-LPG9222	OP-LPG9222
Code pilot flame injector		-	-	-
Diameter outlet/inlet	mm	100/150	100/150	100/150
Gas controle valve		GV60	GV60	GV60
Gas connection		3/8"	3/8"	3/8"
Electrical connection	V	230	230	230
Batteries receiver	V	(4x) 1,5 AA	(4x) 1,5 AA	(4x) 1,5 AA
Batteries remote	V	9	9	9

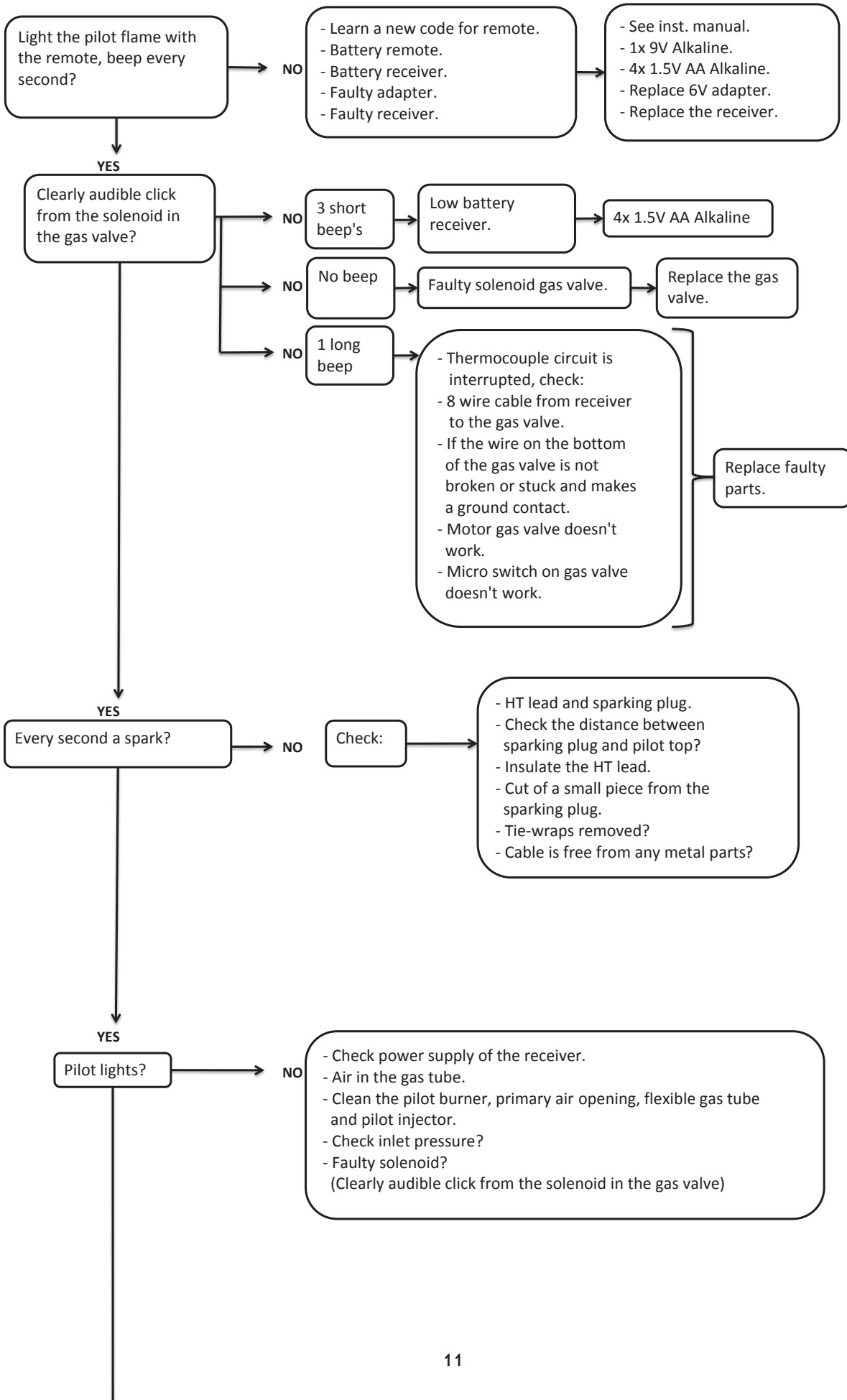
## 12 Terminal position

- > **Please note:**  
 > These rules apply only for the proper functioning of the unit, for ventilation and environmental protection you need to comply with the applicable rules as defined in the building regulations.

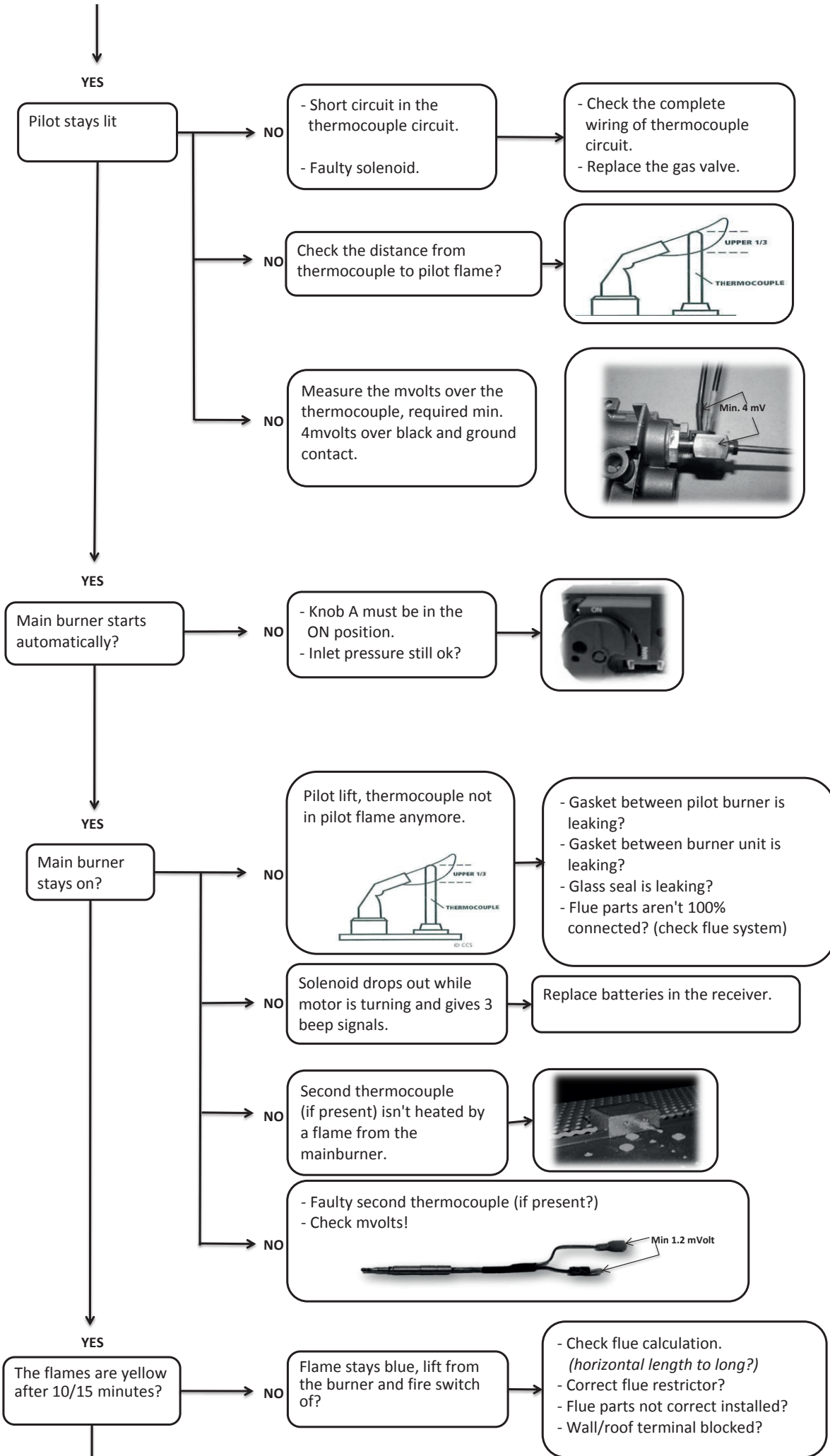


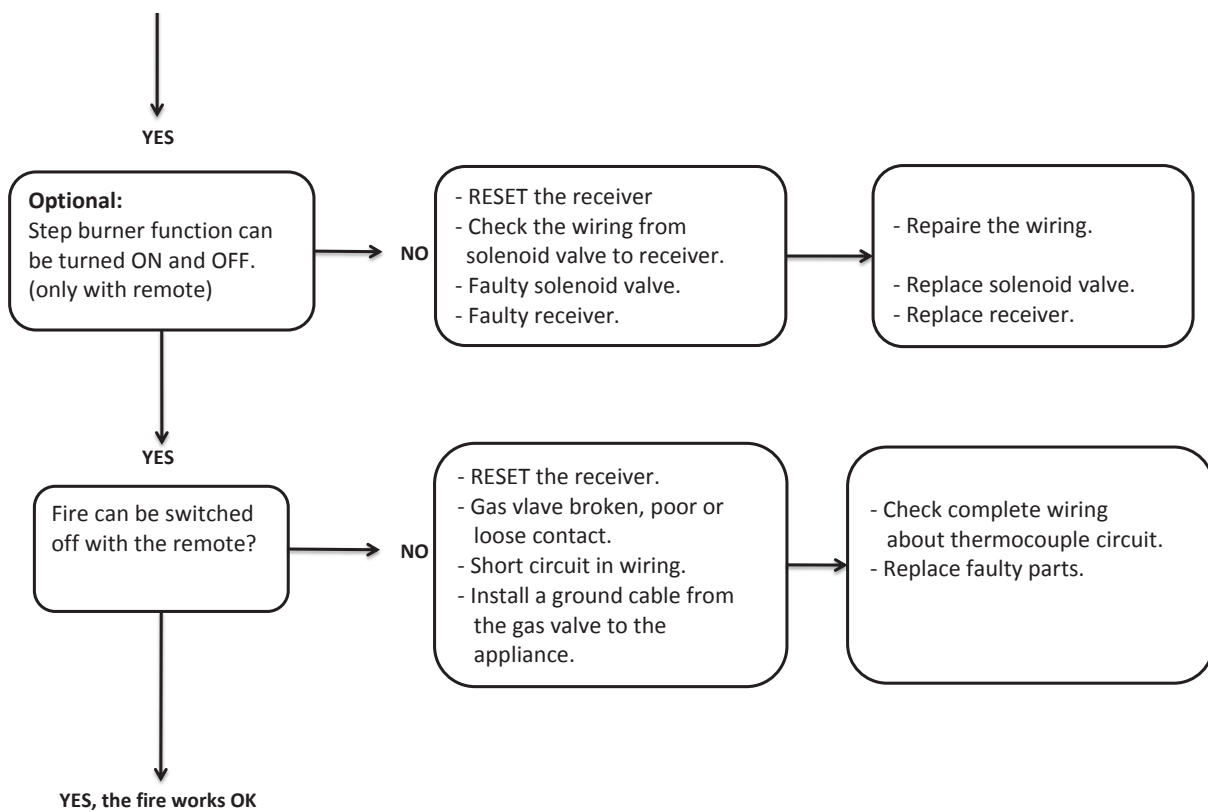
Location	Position outlet	Distance mm
D	Under a gutter	500
E	Under a roof edge	500
F	Under a carport or balcony	500
G	Vertical downpipe	300
H	Inside and outside corners	500
J	From wall surface to a wall outlet	1000
K	Two gable outlets against over each other	1000
L	Distance between two roof outlets	450
M	Two roof outlets above each other on a pitched roof	1000
N	Two gable outlets next to each other	1000

# 13 Support list



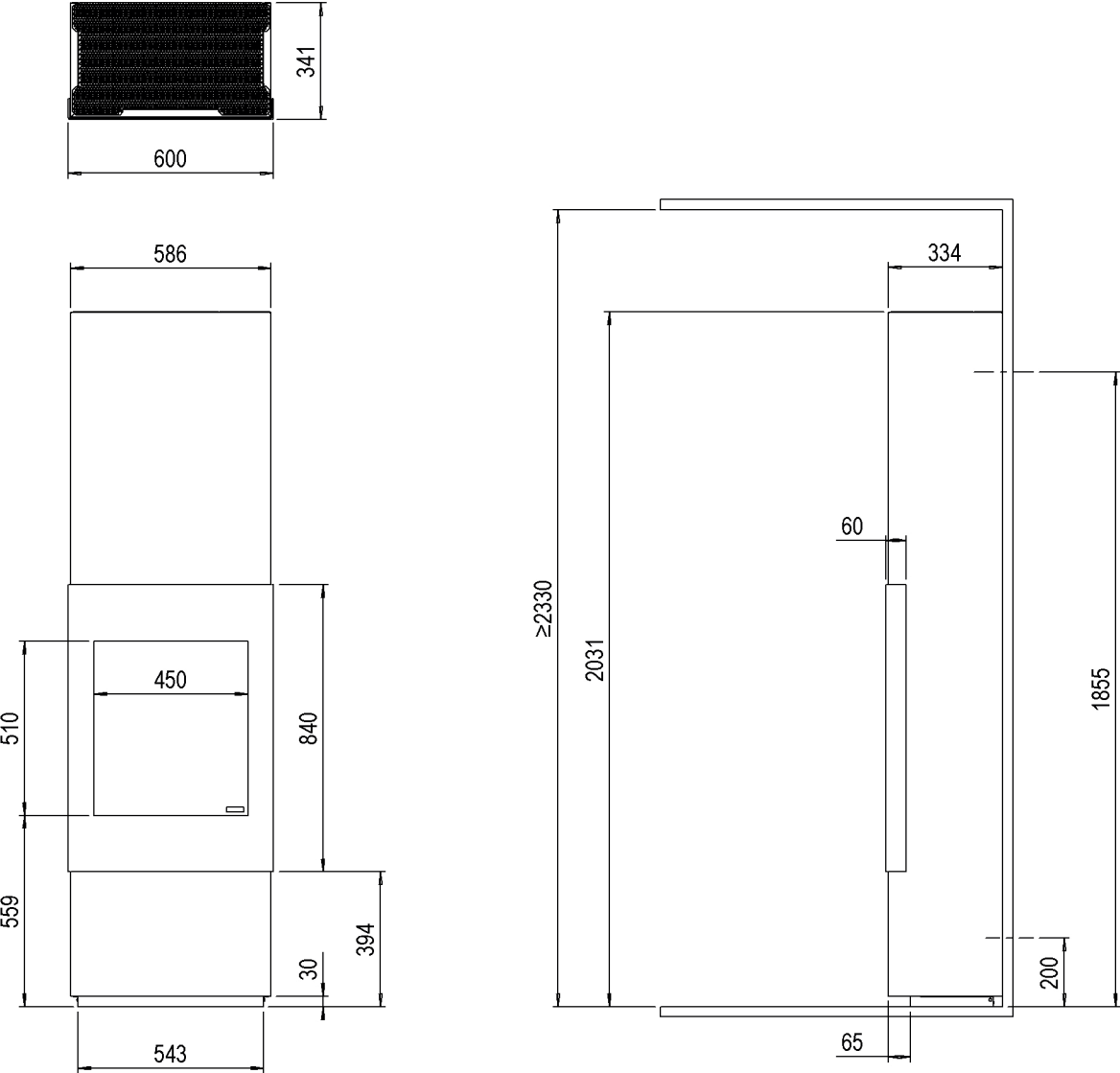
Installation Instructions



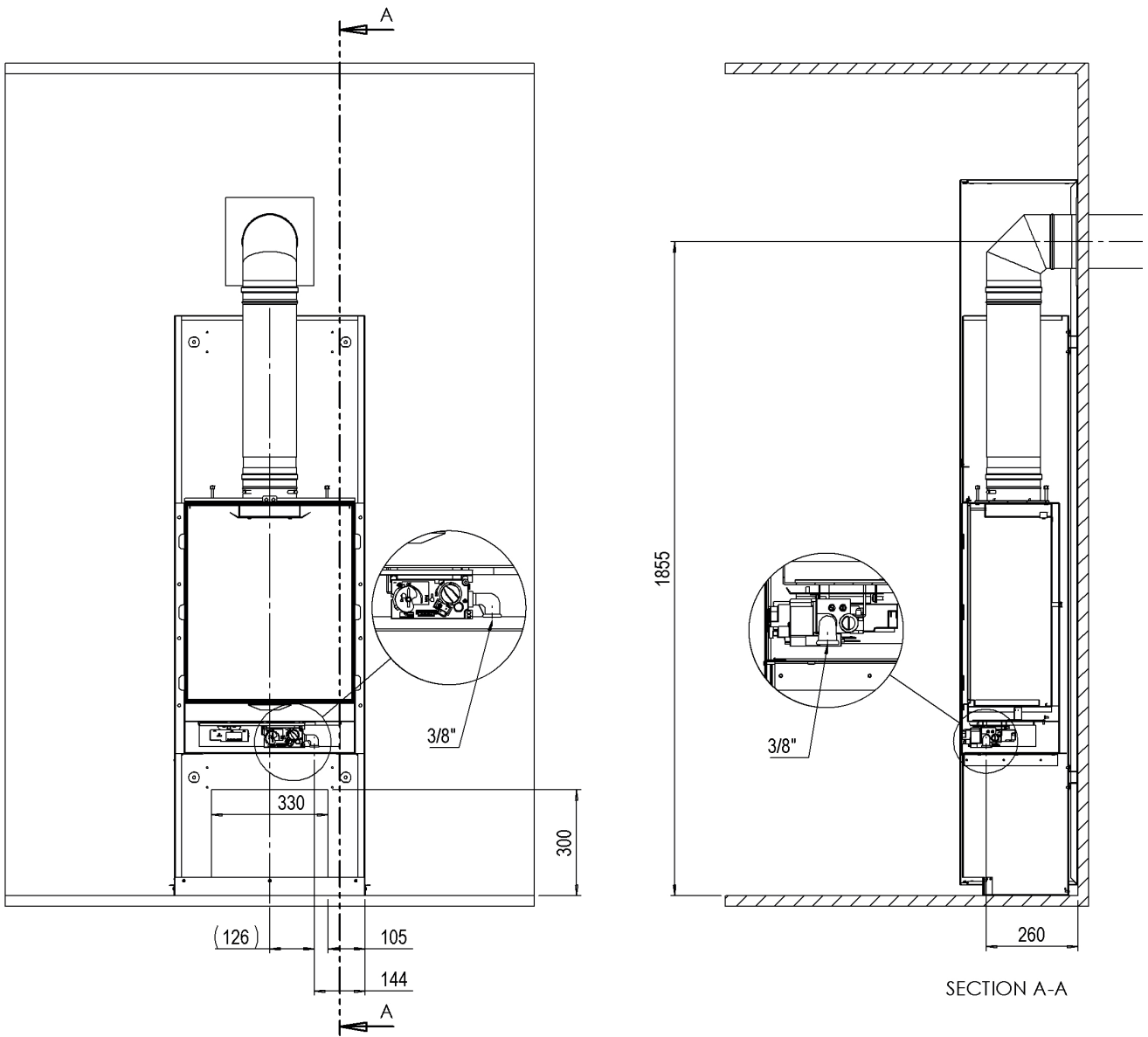


# 14 Dimensional drawings

## 14.1 Concept I-450



14.2 Position gasvalve and wall terminal





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