Q-TEE II GAS

INSTALLATION MANUAL (GB)

Q-TEE 2
Q-TEE 2 C

RAIS®

Revision: 0
Date: 01-01-2025

CONTENTS

INTRODUCTION TO THE INSTALLATION MANUAL

This gas fireplace must be installed according to this installation manual.

The installation manual covers the following three models:

Q-TEE 2
Q-TEE 2 C

The manual covers all customization options, such as glass/steel doors, top/rear vents, or leg and base heights.

GENERAL INFORMATION

It is important that the gas fireplace is correctly installed with consideration to the environment and people's safety.

The installation must comply with all local rules and regulations, including those that refer to national and European standards.

REQUIREMENTS

- Learn the structure and content of this manual before installation.
- Pay special attention to the safety chapter and the included manuals.
- Make sure you understand the instructions, otherwise please contact your RAIS dealer.
- Follow the manual completely and in the given structure.


Q-TEE 2C 60cm Basic


Q-TEE 2 60cm Basic


Q-TEE 2C 72cm Legs


Q-TEE 2 72cm Legs


Q-TEE 2C 76cm Legs


Q-TEE 2 76cm Legs


Q-TEE 2C 88cm Base


Q-TEE 2 88cm Base


Q-TEE 2C 98cm Base


Q-TEE 2 98cm Base

INSTRUCTIONS FOR USING QR CODES

Several places within the manual, you will find QR codes with links to video guides for different installations.

For using the QR codes, simply open the camera on your phone and point it at the code. You will then get the option to open a link to the video guide.

WARNINGS

Please note the symbols below that indicate potentially dangerous situations.

SYMBOL	DESCRIPTION
⚠	Visual sign illustrating an important notice or caution.
⚠	Visual sign illustrating a potential hazard.

PRODUCTION NUMBER

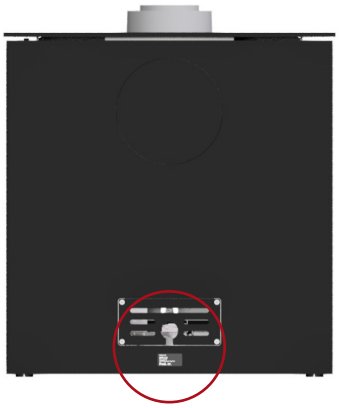
The production number is the gas fireplace's identification number and must be used when making any enquiries relating to the fireplace's warranty.

Find the gas fireplace's production number on the bottom rear of the fireplace and write it down in the text box:

Production number

Note: See the drawing for the location of the production number.

Date:	**Dealer:**



Example of production number

GB

THE GAS FIREPLACE IN GENERAL

This RAIS product is a highly efficient gas fireplace with a sealed combustion chamber for a balanced flue system. The fireplace has variable heating power and is fitted with a burner developed using the latest burner technology.

RAIS gas fireplaces are certified for indoor use, complying with European Standard EN 613. They can be used with ventilation systems and are tested for leak resistance at up to -50 Pa negative pressure. No additional negative pressure monitoring unit or window tilt switch is needed, and there are no specific size or ventilation requirements for the installation room.

BEFORE INSTALLATION

All local regulations and provisions must be studied before installation. Always check the national building and gas regulations.

In addition, it should be confirmed that the description on the information label relating to gas type and gas pressure is in accordance with the local regulations. The gas supply should be examined to ensure that it can supply the required amount of gas and the required pressure.
It is recommended that gloves are worn when installing the gas fireplace to avoid fingerprints on the glass, etc.

GAS CONNECTION

This gas fireplace may only be installed, adjusted, and serviced by an authorised installer. The installation must comply with local and national building and gas regulations, and the instructions in the installation manual must be followed.

KEEP THE MANUALS

The installation manual and user manual are stored by the customer for clarification during use and for, e.g. servicing.

WARNING!
If you smell gas, immediately switch off the gas supply. Turn off the fireplace at the stopcock and main electrical switch.

Ventilate the room by opening windows and doors. Do not use electrical appliances or switches in the vicinity of the fireplace. The gas supply may not be reconnected until an authorised installer has examined the fireplace and approved it.

NOTE!
The installed gas regulator must allow for the inlet pressure given on the information label. An authorised installer must size the pipe to ensure the correct gas pressure and flow rate.

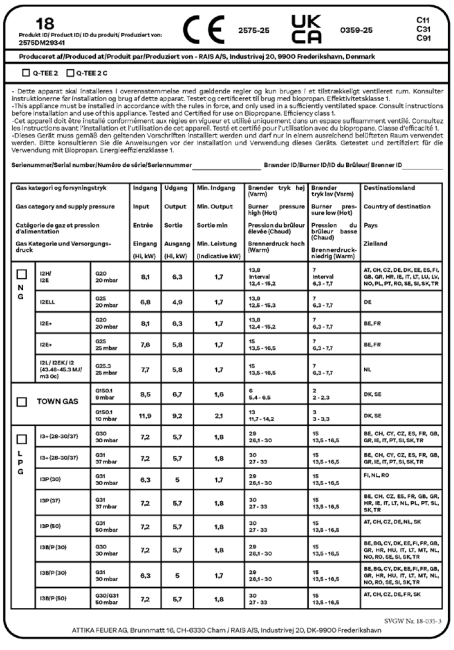
INFORMATION LABEL

All RAIS gas fireplaces have an information label which states the fireplace's gas type, gas pressure, power, etc.

The information label is located with the manuals on delivery. Position the information label with the GV60 Combination Valve and receiver for easy access so that the authorised installer can check the information.

The information label must be used during installation for setting and checking gas pressure.

There is a larger version of the information label on page 48.



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Produceret af/Produced at/Produit par/Produziert von - RAIS A/S, Industrivej 20, 9900 Frederikshavn, Denmark

☐ G-TEE 2 ☐ G-TEE 2 C

Serienummer/Serial number/Numéro de série/Seriennummer _____ Brænder ID/Burner ID/ID du Brûleur/ Brenner ID _____

Gas kategori og forsyningstryk / Gas category and supply pressure / Catégorie de gaz et pression d'alimentation / Gas Kategorie und Versorgungsdruck		Indgang / Input / Entrée / Eingang (Hi, kW)	Udgang / Output / Sortie / Ausgang (Hi, kW)	Min. Indgang / Min. Output / Sortie min / Min. Leistung (Indicative kW)	Brænder tryk høj (Varm) / Burner pressure high (Hot) / Pression du brûleur élevée (Chaud) / Brennerdruck hoch (Warm)	Brænder tryk lav (Varm) / Burner pressure low (Hot) / Pression du brûleur basse (Chaud) / Brennerdruck niedrig (Warm)	Destinationsland / Country of destination / Pays / Zielland
☐ NG	I2H/ I2E G20 20 mbar	8,1	6,3	1,7	13,0 Interval 13,4 - 19,2	7 interval 6,3 - 7,7	AT, CH, CZ, DE, DK, EE, ES, FI, GB, GR, HR, IE, IT, LT, LU, LV, NO, PL, PT, RO, SE, SI, SK, TR
	I2ELL G25 20 mbar	6,8	4,9	1,7	13,0 12,6 - 15,3	7 6,3 - 7,7	DE
	I2E+ G20 20 mbar	8,1	6,3	1,7	13,0 13,4 - 19,2	7 6,3 - 7,7	BE, FR
	I2E+ G25 25 mbar	7,6	5,8	1,7	15 13,5 - 16,5	7 6,3 - 7,7	BE, FR
	I2L / I2EK / I2 (42,45 - 41,3 MJ/ m3 0c) G25,3 25 mbar	7,7	5,8	1,7	15 13,5 - 16,5	7 6,3 - 7,7	NL
☐ TOWN GAS	G150,1 8 mbar	8,5	6,7	1,6	6 5,4 - 6,5	3 2 - 2,3	DK, SE
	G152,1 10 mbar	11,9	9,2	2,1	13 11,7 - 14,2	3 3 - 3,3	DK, SE
☐ LPG	I3+ (28-30/37) G30 30 mbar	7,2	5,7	1,8	29 28,1 - 30	15 13,5 - 16,5	BE, CH, CY, CZ, ES, FR, GB, GR, IE, IT, PT, SI, SK, TR
	I3+ (28-30/37) G31 37 mbar	7,2	5,7	1,8	30 27 - 33	15 13,5 - 16,5	BE, CH, CY, CZ, ES, FR, GB, GR, IE, IT, PT, SI, SK, TR
	I3P (30) G31 30 mbar	6,3	5	1,7	29 28,1 - 30	15 13,5 - 16,5	FI, HU, RO
	I3P (37) G31 37 mbar	7,2	5,7	1,8	30 27 - 33	15 13,5 - 16,5	BE, CH, CZ, ES, FR, GB, GR, HR, IE, IT, LT, NL, PL, PT, SI, SK, TR
	I3P (50) G31 50 mbar	7,2	5,7	1,8	30 27 - 33	15 13,5 - 16,5	AT, CH, CZ, DE, NL, SK
	I3B/P (30) G30 30 mbar	7,2	5,7	1,8	29 28,1 - 30	15 13,5 - 16,5	BE, BG, CY, DK, EE, FI, FR, GB, GR, HR, HU, IT, LT, MT, NL, NO, RO, SE, SI, SK, TR
	I3B/P (30) G31 30 mbar	6,3	5	1,7	29 28,1 - 30	15 13,5 - 16,5	BE, BG, CY, DK, EE, FI, FR, GB, GR, HR, HU, IT, LT, MT, NL, NO, RO, SE, SI, SK, TR
	I3B/P (50) G30/G31 50 mbar	7,2	5,7	1,8	30 27 - 33	15 13,5 - 16,5	AT, CH, CZ, DE, FR, SK

ATTIKA FEUER AG, Brunnmatt 16, CH-6330 Cham / RAIS A/S, Industrivej 20, DK-9900 Frederikshavn

SAFETY

It is important that the gas fireplace is correctly installed with consideration to the environment and people's safety. No unauthorised alterations may be made to the fireplace.

The fireplace may not be used if the glass is split, cracked, or removed. Do not use the fireplace if the glass gasket is broken or worn.

Flue systems that are CE approved for this product may be used (see the balanced flue manual on page 33).

It is recommended that the air replacement in the room is adjusted to ensure a pleasant indoor environment.

This fireplace can be installed in an airtight building or in a building with mechanical ventilation since the gas fireplace functions in a closed system.

Please be aware that not following the instructions in this manual and the provided manuals can lead to a dangerous or fatal situation.

WARNING!

- The appliance must be positioned and connected as a room sealed system appliance by an authorised installer.
- Before beginning the installation, check that the details on the information label correspond to the gas type and supply pressure to which the appliance will be connected.
- Install the appliance in accordance with the following instructions, and the national and local applicable regulations.
- Do not put flammable or organic material in the fireplace.
- After the fireplace has been shut down, the fireplace needs to cool for 15 minutes before the glass can be cleaned.
- Make sure that the area around the fireplace is always free of flammable materials. See minimal safe distance from page 35.
- Make sure that the fireplace stays clean from, e.g. dust and moisture during the installation. Blockage of the delayed ignition flaps can lead to a dangerous situation.
- Make sure that the delayed ignition flaps are functional during and after installation (see page 37).
- Make sure that the balanced flue is correctly installed.
- Do not twist or force the flexible pipes to the GV60 combination valve. Make sure there is no stress on the pipes.
- Make sure not to damage the pipes during installation or placement of the fireplace.
- After installation, make sure that the pipes, and compressions fittings are gas tight.

SAFETY DEVICES IN THE FIREPLACE

The gas fireplace has three safety devices:

- **1st thermocouple**
  Our fireplaces are fitted with a 1st thermocouple in the pilot unit. If the pilot flame is not lit, the fireplace will shut down.
  Make sure not to place any decorations around the thermocouples.

- **2nd thermocouple**
  Our fireplaces are fitted with an extra 2nd thermocouple that shuts off the fireplace if the main burner is not lit or is not burning correctly.
  Make sure not to place any decorations around the 2nd thermocouple.

- **Delayed ignition flaps**
  Our fireplaces are fitted with overpressure doors called delayed ignition flaps. If a hard ignition should occur, the delayed ignition flaps will take the pressure so that the glass is not damaged.

WARNING!
Only use the items that are supplied or described in this manual or other related documents.

NOTE!
Due to the risk of fire, be aware of the distance to flammable items, e.g. furniture. See the distance on page 35.

This product is a heating appliance. This means that surfaces become very hot and must not be touched when the fireplace is in use or has just been switched off. It is therefore necessary to protect children, seniors and persons with limited mobility from the fireplace.

If the fireplace is switched off or the fire goes out, wait at least three minutes before igniting it again.

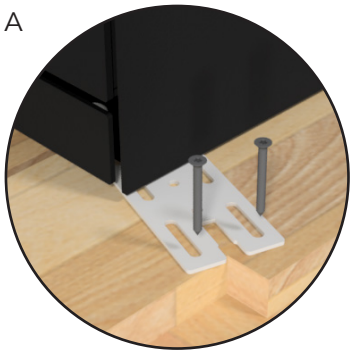
DELIVERY PACKAGING

The fireplace is supplied secured to a transport pallet using four transport safety fittings – one in each corner (A). The safety fittings are secured using screws and these must be removed. The safety fitting can then be removed (B).

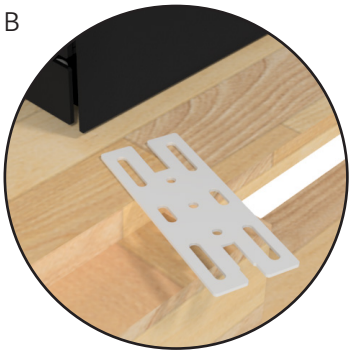
When the fireplace is delivered, please check it for any defects or damage.

The fireplace may not be installed if there is any damage, missing parts, or defects.

A



B

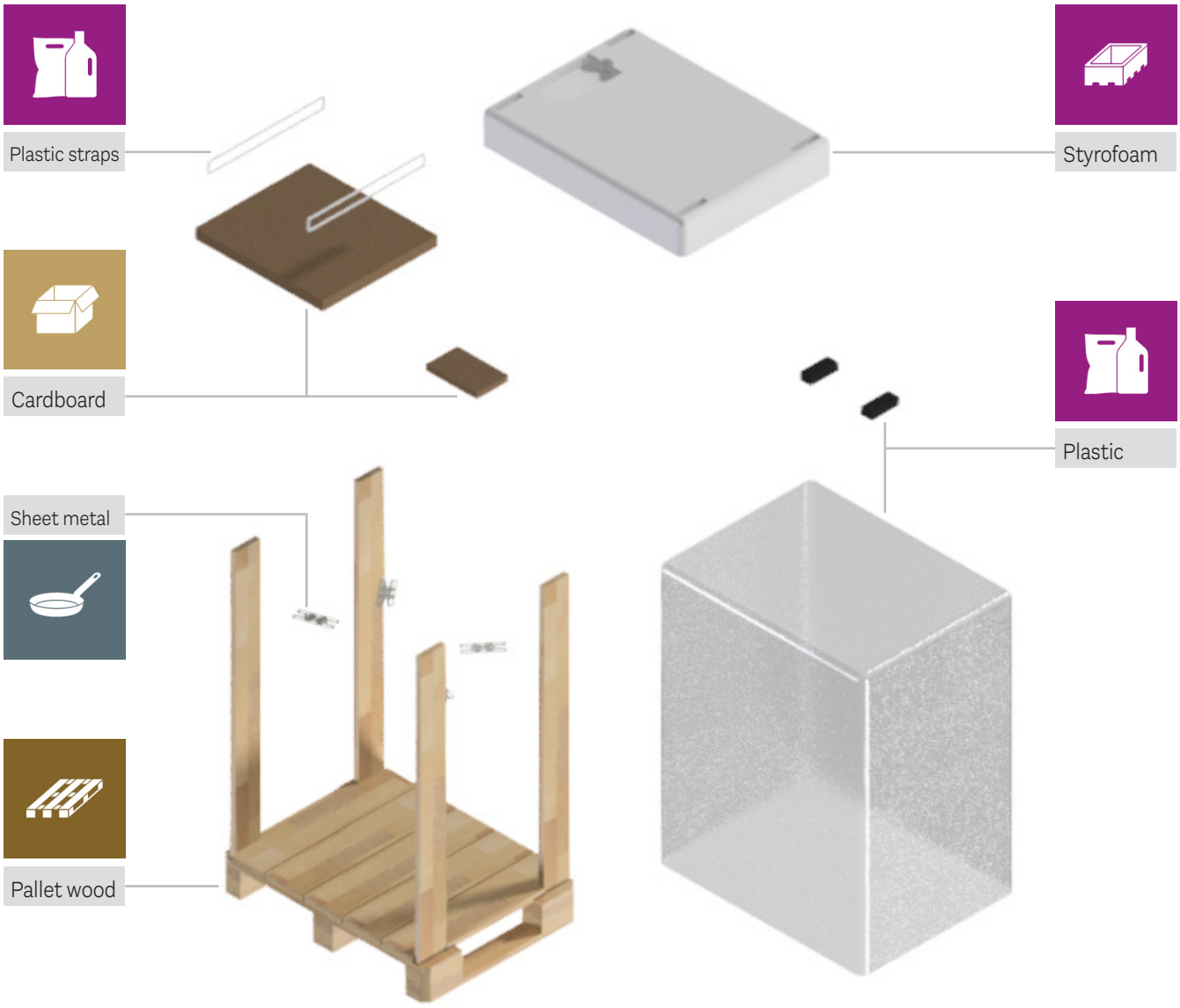


DISPOSAL GUIDE

DISPOSAL OF PACKAGING

The fireplace is shipped in packaging that can be recycled. This packaging must be disposed of in accordance with national regulations relating to the disposal of waste.

Here's an overview of the materials:



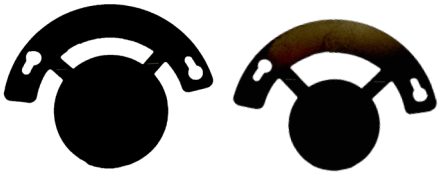
OVERVIEW OF CONTENT

The following elements are included for decoration of the combustion chamber and fine tuning of airflow and flame image:

1

2

3



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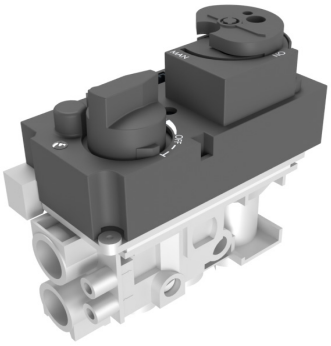
5

6

CONTENTS

1. Logs (qty. 8)
2. Filaments (1 bag)
3. Secondary burners (qty. 2)
4. Restrictors (qty. 2)
5. Ember layer: (2 bags)
6. Door key (qty. 1)

OVERVIEW OF ELECTRONIC COMPONENTS



GV60 combination valve

Receiver

Power supply
and adapter 6V
(optional)

OVERVIEW OF REMOTE OPTIONS

Remote control

PUCK
(optional)

WiFi module
(optional)

INSTALLATION GUIDE

Below is an overview of the following pages regarding installing the Q-Tee 2 & Q-Tee 2C.

INSTALLATION PREPARATIONS
Follow the recommended instructions on page 14 before starting to install the gas fireplace.

OPENING THE DOOR
Follow the instructions on page 15 to learn how the door is opened.

LOCKING THE DOOR
Follow the instructions on page 16 to learn how the door is locked.

INSTALLING THE BURNER
Follow the instructions on page 17 to install the burner.

INSTALLING OPTIONAL SOLUTIONS
Please follow the separate user manual for installing optional solutions.

ARRANGING THE CERAMIC LOGS
Follow the instructions on page 21 to arrange the ceramic logs

CHANGING FLUE CONNECTION
Follow the instructions on page 26 to change from top outlet to rear outlet.

RESTRICTORS
Follow the instructions on page 28 for the overview and description.

INSTALLATION OF ELECTRICAL AND GAS COMPONENTS
Follow the instructions from page 29 for installing electrical and gas components – including a guide for synchronising the remote control and receiver.

BALANCED FLUE SYSTEM
Read an introduction to the balanced flue system on page 33. For a more detailed description and installation, please follow the separate installation manual for the balanced flue system.

DISTANCE TO COMBUSTIBLE
Follow the instructions from page 35 for placement requirements and distance from combustible material.

STARTING THE GAS FIREPLACE
Follow the instructions on page 37 when igniting the fireplace for the first time.

PURGING THE GAS PIPE
Follow the instructions on page 38 for a functional test to check the function for starting the gas fireplace.

PRESSURE SETTING ADJUSTMENT
Follow the instructions on page 39 for a pressure test.

CO AND O_2 MEASUREMENT
Follow the instructions on page 40.

INSTALLATION PREPARATIONS

On this page, we have listed points to be aware of before starting the installation of the gas fireplace.

NOTE!

Placement and installation preparations

- Install the fireplace on a solid floor that can hold the weight of the fireplace.
- Comply to the fireproof distances stated in this manual. See the exact distances on page 35.
- When the fireplace has been placed, make sure it is level and straight.
- The glass on the fireplace needs to be cleaned before using it the first time, otherwise fingerprints, etc., can burn on to the glass.

Preparations for electrical and gas supply

- The gas supply and electrical supply should be located near the bottom of the fire, make sure to plan the process before installation. We recommend installing the gas supply with a flexible approved system for the last 500-1250 mm of the installation for easy connection to the fireplace.
- Make sure to calculate the right diameter for the gas supply for correct function of the fireplace.

OPENING THE DOOR

The gas fireplace comes with the door locked. The door must be opened to install the fireplace burner.

NOTE!
The door key is made from metal and requires careful handling to prevent scratches on the fireplace paint.

The fireplace comes with a unique door key that is essential for opening and accessing the fireplace.

The door is fitted with both upper and lower locks. To unlock the door, simply insert the key into the relevant lock and turn counter-clockwise. This will give you access to the fireplace.

LOCKING THE DOOR

To securely lock the door to the burning chamber, firmly hold the door in place and use the provided door key to engage both the upper and lower locks.

Turn the key clockwise to lock the door. Before starting the fire, make certain that the burning chamber is completely sealed to ensure safety and optimal performance.

NOTE!
Please ensure that both the top and bottom locks securely grip the door and create a tight seal on the burning chamber.

INSTALLING THE BURNER

If the burner is to be replaced, this section can be followed.

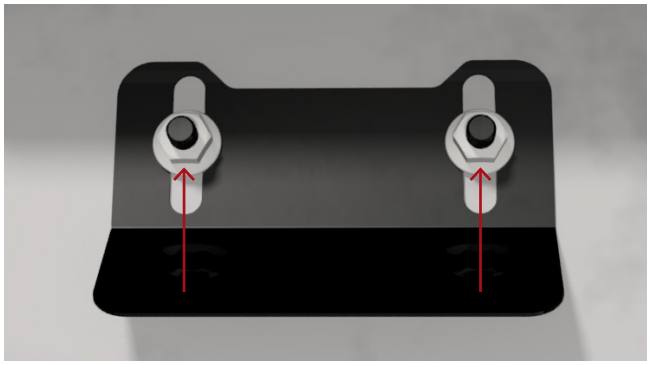
Make sure that the burner fits the required gas type. The gas type for the burner is described on the side of the box which it arrives in. Check that the injectors correspond to gas type and that the air settings are correct.

The air settings for the burners varies between the gas types. Make sure that the correct air settings have been made, if not, please make the necessary adjustments.

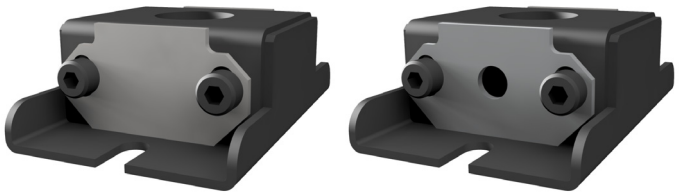
Follow the guide below for air setting Natural gas or LPG.

AIR SETTINGS FOR NATURAL GAS

The airplate for the main burner needs to be set on half (see the arrow).

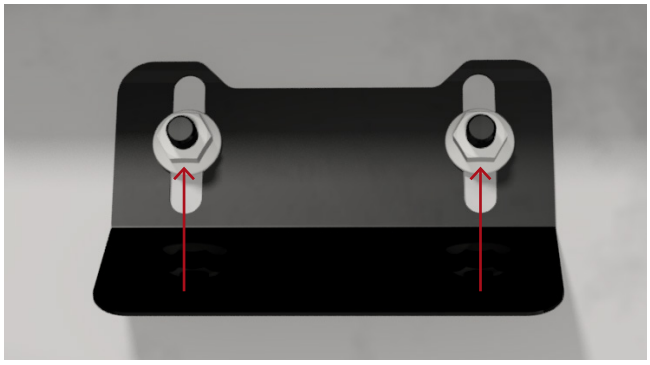


For Natural Gas, the air on the venturis should be adjusted to one solid plate and one plate with a small hole.

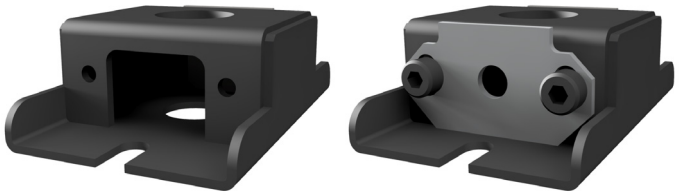


AIR SETTINGS FOR NATURAL GAS & SNORKEL FLUE

The airplate for the main burner needs to be set on half (see the arrow).

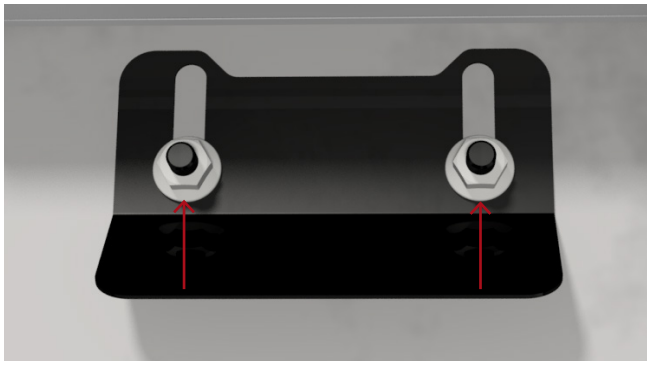


For Natural Gas, the air on the venturis should be adjusted to only have one plate installed with a small hole, the otherside should be completly open.

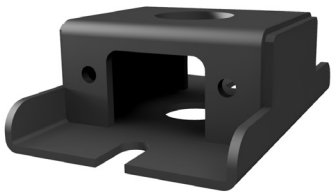


AIR SETTINGS FOR LPG

The airplate for the main burner needs to be set on fully open (see the arrows).



For LPG, the air on the venturis should be adjusted to to be completly open on both sides.

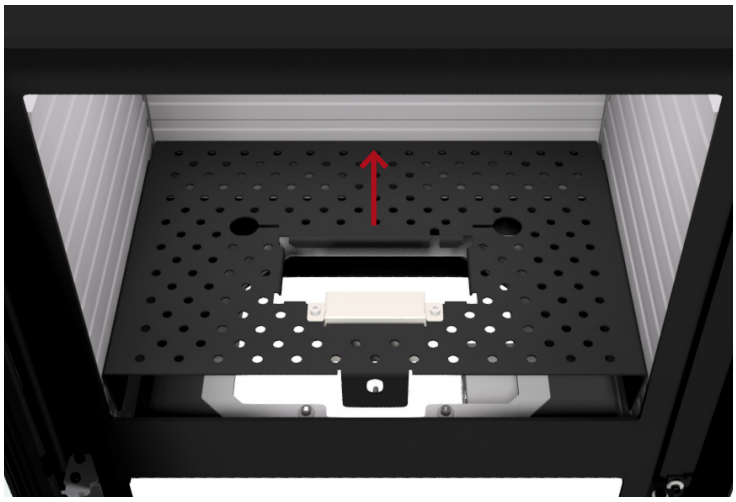


PROCEDURE FOR INSTALLING THE BURNER

1. Remove the bottom grill, exercise caution to avoid damaging the fireplace's paint.

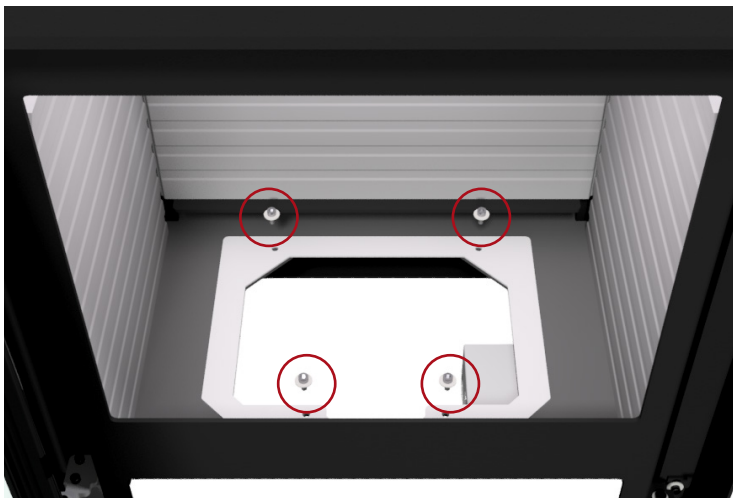
   Start by flipping one side up.

   Handle the process delicately and use gentle movements to prevent any damage to the paintwork.



2. At the bottom, you will notice four bolts essential for fixing the burner to the fireplace.

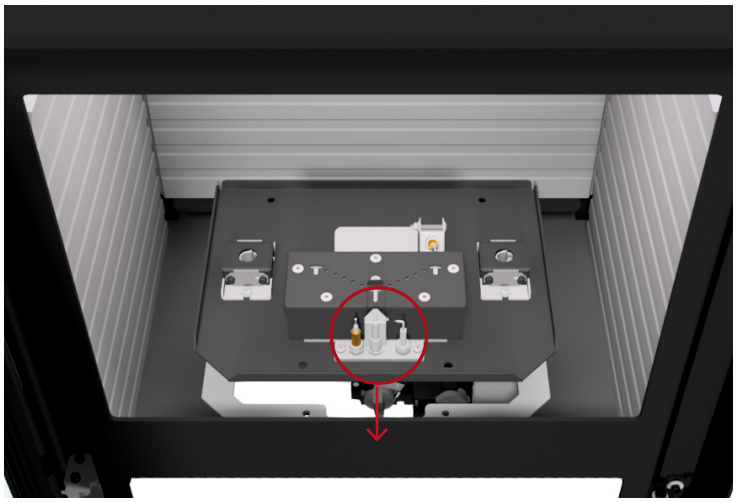
   Carefully remove these bolts and remember to store them safely for future use.



3. Unpack your burner. Take your time to carefully lower it into the hole in the burning chamber.

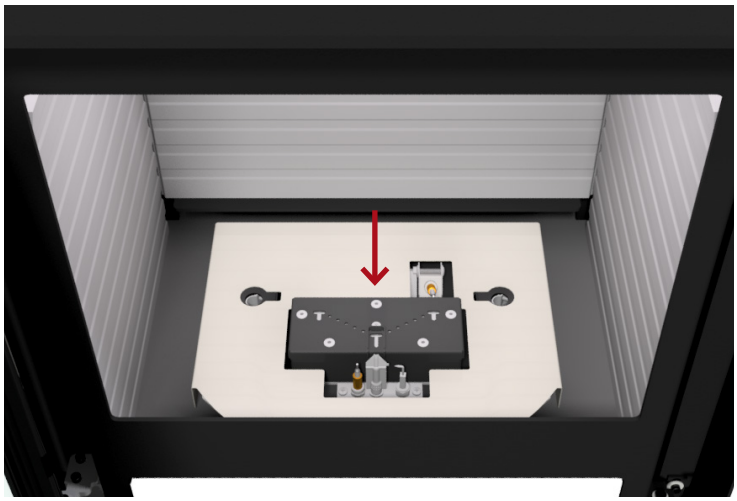
4. Exercise caution to avoid damaging the white gasket positioned at the bottom of the fireplace. You may need to gently tilt the burner to help it fit into the hole properly.

   Ensure that the pilot unit is positioned in front of the fireplace, while the two secondary burners are placed at the back.



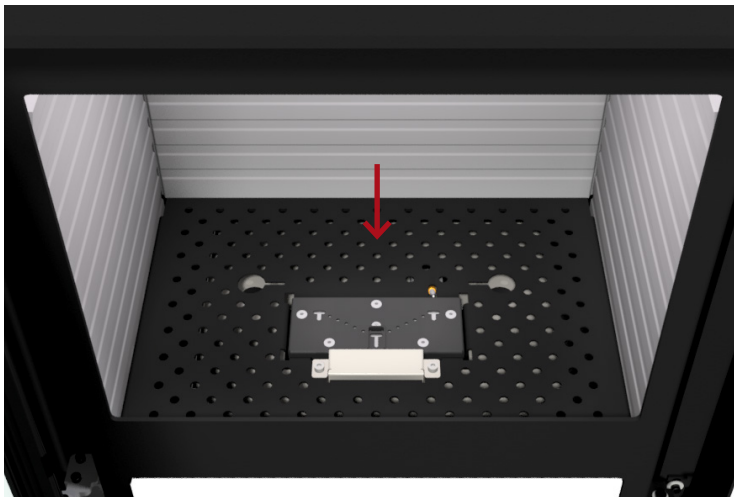
5. After installing the burner, securely position the heat shield above it.

   This essential step will provide vital protection to the sensitive electronics located underneath, ensuring their safety and proper functioning.



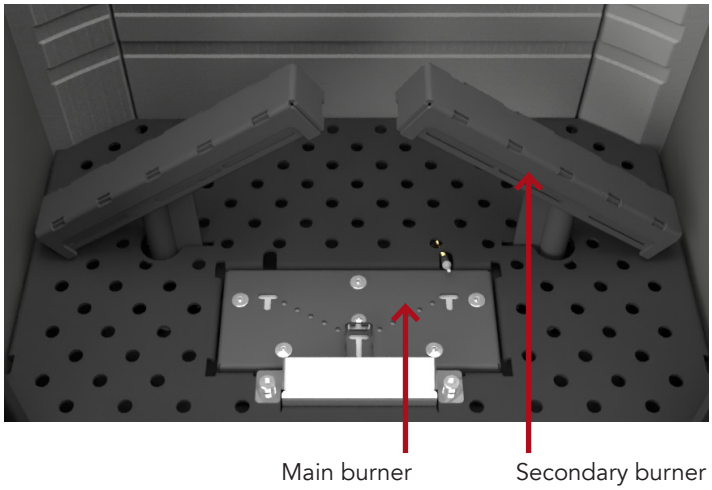
6. After placing the heat shield above the burner and ensuring the electronics are well-protected, carefully reinstall the black bottom grill on top.

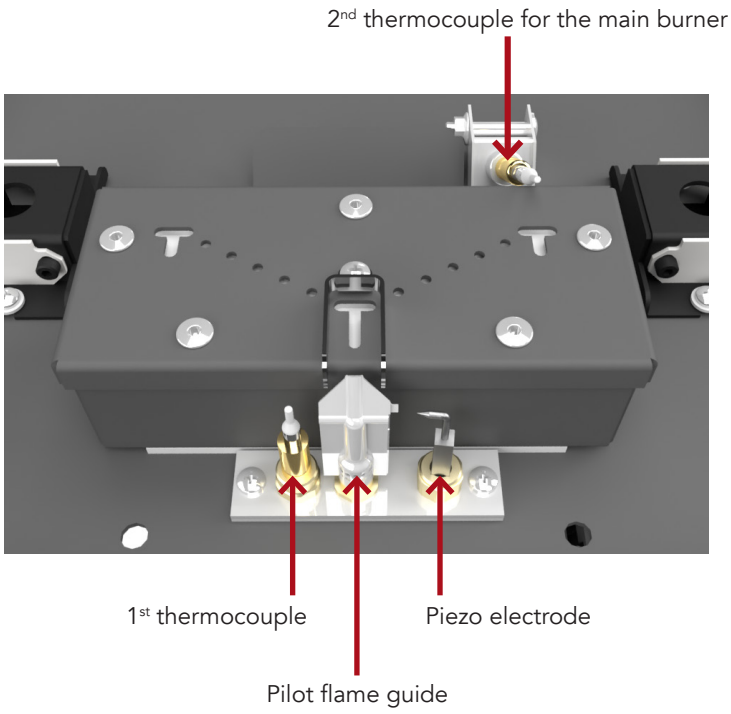
   This step guarantees that the burner and heat shield are securely enclosed, maintaining a tidy and safe setup for your fireplace and ensuring the correct airflow for the combustion.



WARNING!
Incorrect installation can cause a dangerous situation. Make sure that the bottom bolts are tightened and that the burner is pressed against the bottom combustion chamber gasket.

OVERVIEW OF THE BURNERS



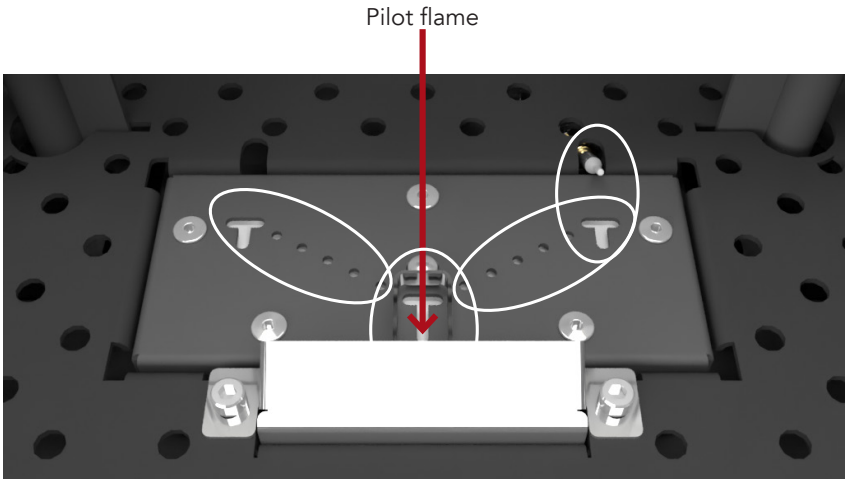


ARRANGING THE CERAMIC LOGS

When arranging the logs and the embers layer in the combustion chamber, it is important that they do not cover the pilot flame and its thermocouple, and ember material must not be placed under the pilot guard.

Both thermocouples must be kept free of the embers layer. Do not cover the holes in the main burner (see the circles).

When commissioning or servicing the fireplace, it must be ensured that the cross ignition (from the pilot flame to the main burner) functions, and that ignition occurs easily with the secondary burners.



WARNING!
It is very important that you follow this manual when positioning the logs and the embers layer in the fireplace. Failure to carry this out correctly will result in a flame profile that is less than optimal. Incorrect placement of the logs can lead to a dangerous situation.

LOG PLACEMENT

The following ceramic logs must be used.

1 2 3 4 5 6 7 8

1. Place log no. 1 as shown in the image.

2. Place the left secondary burner.

3. Place log no. 2 on the left burner.

4. Place ceramic log no. 3 on the other secondary burner before placing it in the burning chamber.

5. Then place the secondary burner and ceramic log.

6. Place log no. 4 as shown in the image.

7. Place log no. 5 so that it rests on log no. 4.

8. Place log no. 6 so that it rests on log no. 4.

9. Place log no. 7 so that it rests on log no. 4.

10. Place log no. 8 in the front right corner - Optional.

11. Sprinkle 1 bag of the ember chips in the front of the burning chamber. Ensure that you do not cover the pilot area and the holes there. Half of the second bag can be used behind the burner (optional).

12. Place the filament on the main burner for an extra glowing effect (circle). The filament must not come in contact with the thermocouples – use the chips to secure the filament.

WARNING!
Be aware that the main burner and pilot flame are kept free of all ornaments.

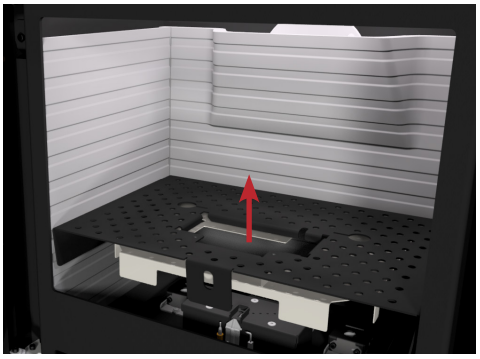
CHANGING FLUE CONNECTION

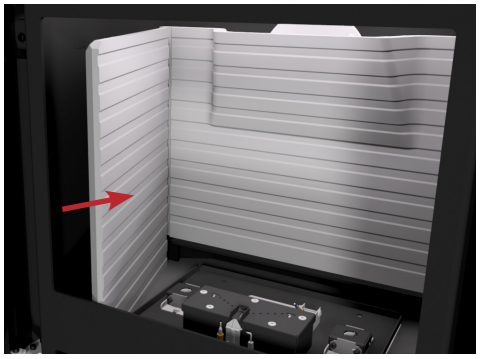
The fireplace comes ready for connecting to the top outlet, but can be changed to use the rear outlet by following the steps from 1-5:

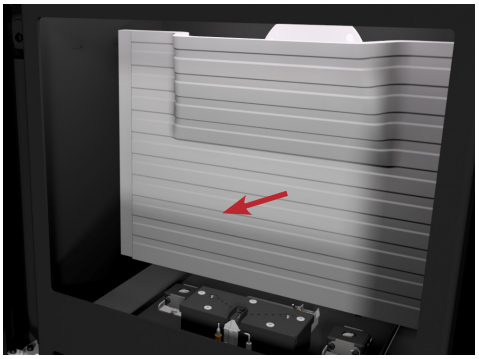
STEP 1
Begin by tapping out the cover located behind the fireplace using a hammer. Apply gentle, controlled knocks to the cover. Make sure to exercise care and only strike the cover to avoid any potential damage.

The cover is fixed at four points. To make the process easier, use a chisel to direct the force while tapping. This will allow for more precise and effective removal.

STEP 2
The chamotte inside the fireplace must now be removed. Start by taking out the grate from the combustion chamber. Then, carefully tilt the side panels out from the front. Once both side panels are removed, the back panel can be taken out.





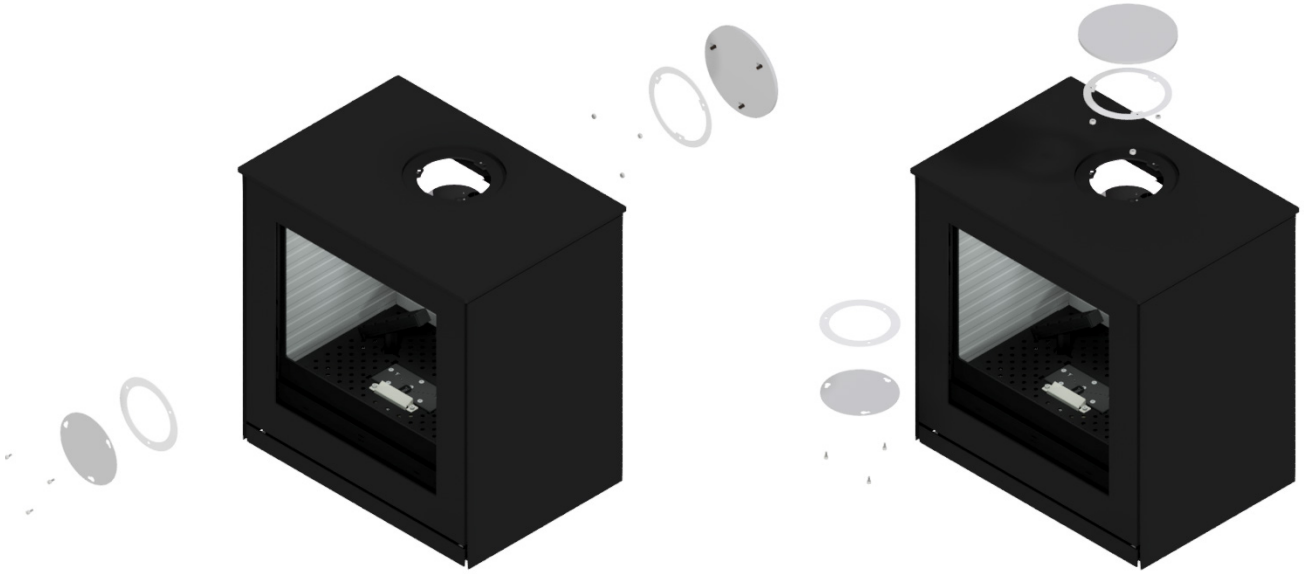


STEP 3
Begin by loosening the three screws located on the outer flange at the top of the fireplace.
Once the screws are sufficiently loosened, carefully remove the outer flange.

Loosen the three screws on the inner flange in the top of the combustion chamber. Carefully remove it.

STEP 4
Unscrew the top cover plate behind the fireplace and install it to the top of the fireplace.

The inner cover plate can now be removed and installed in the top of the combustion chamber.



STEP 5
Now fit the outer flange behind the fireplace and the inner flange to the rear of the combustion chamber.

NOTE!
Handle the inner side and back plates with care, as they are easily damaged. While doing the change, make sure that the gaskets are in good condition. If not, they should be replaced.

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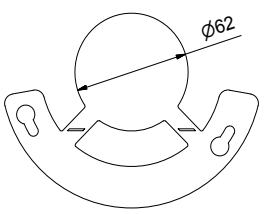
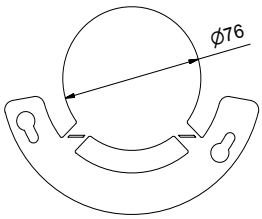
RESTRICTORS

Two different restrictors are included for the gas fireplace. The restrictors are used to create the correct flow in the balanced flue.

It is important to see and assess from the flame picture whether the correct restrictor is fitted.
The flames should be blue/yellow at start-up, after 20 minutes the flames should be a clear yellow. If the desired combustion is not achieved, another restrictor can be installed.



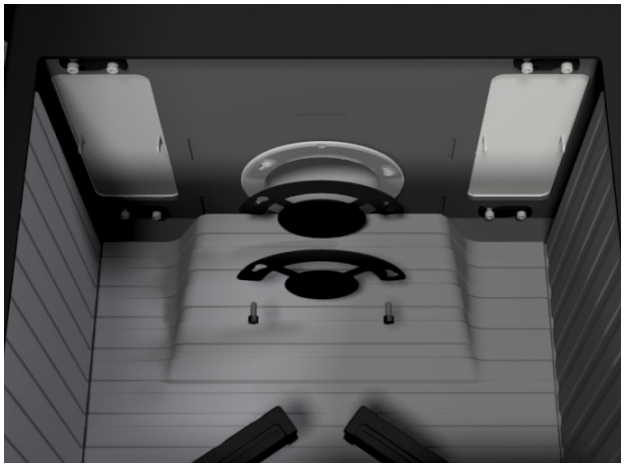
Restrictor A
Ø62



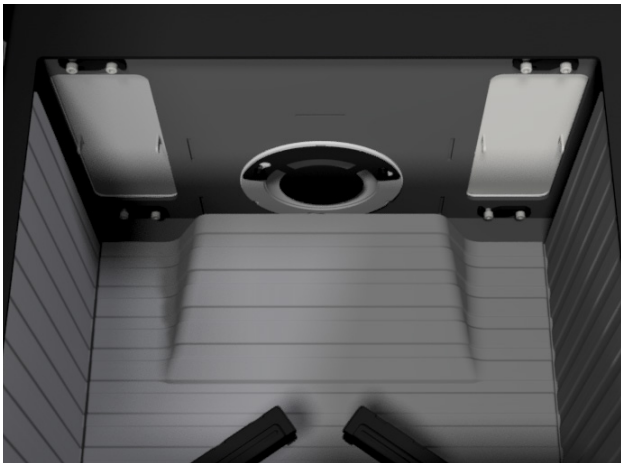
Restrictor B
Ø76

RESTRICTORS	
Vertical height up to 1 m	No restrictor
Vertical height up to 1-2 m	Restrictor A
Vertical height up to 2-8 m	Restrictor B
Vertical height up to 8-15 m	No restrictor

FOLLOW THESE STEPS TO MOUNT THE RESTRICTORS



1. Loosen two of the bolts.

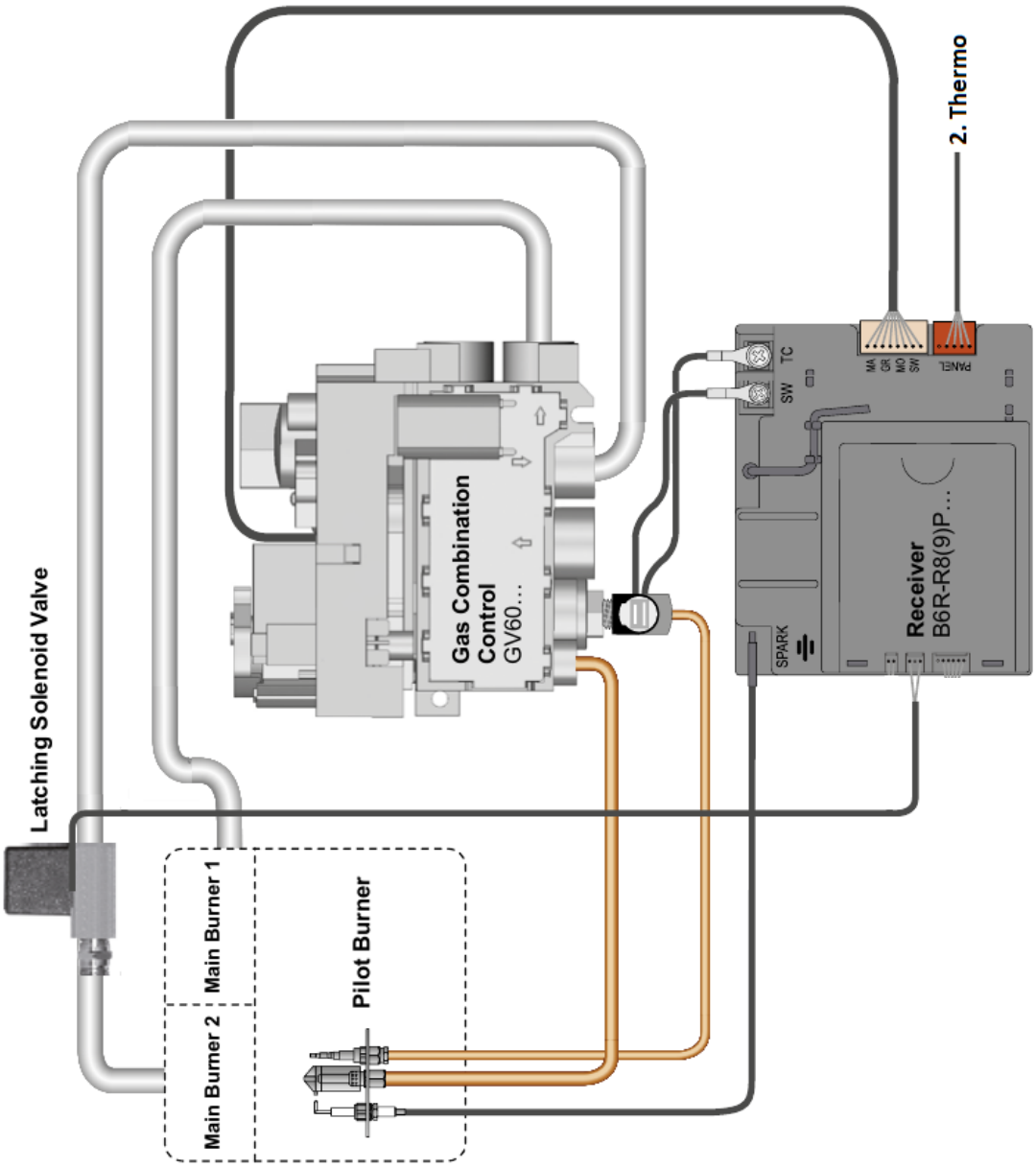


2. Mount the restrictor according to the illustration above, and then tighten the two bolts.

INSTALLATION OF ELECTRICAL AND GAS COMPONENTS

CONNECTION DIAGRAM

Use the diagram to get an overview of the individual electrical and gas components. Pictures of the parts will be provided on the following pages.



ELECTRICAL CONNECTION

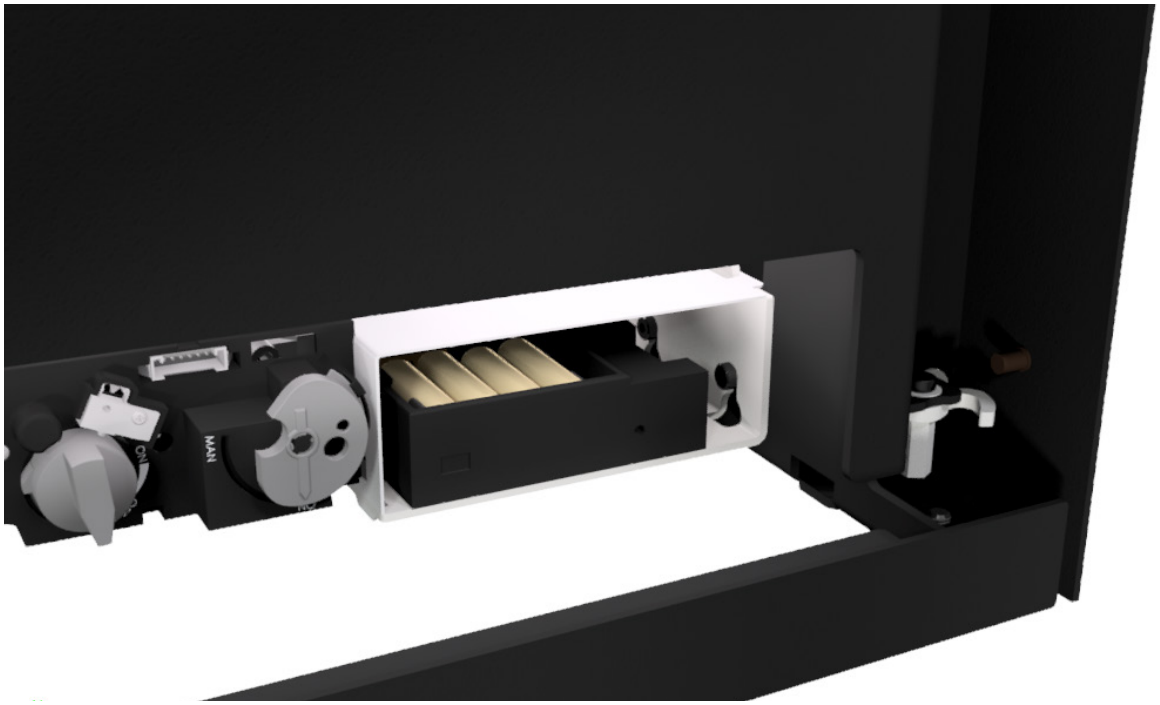
The fireplace includes the receiver unit and a remote control. The package also contains batteries for both the receiver and the remote control. Alternatively, a power supply can be purchased to replace the battery-operated system.

Power supply and adapter
230 VAC / 50 Hz
6V adapter

Receiver

WARNING!

If batteries are used in the receiver, replace the batteries at the beginning of each heating season.
Open the fireplace to access the receiver, then slide the top cover of the receiver to the left to access the batteries.



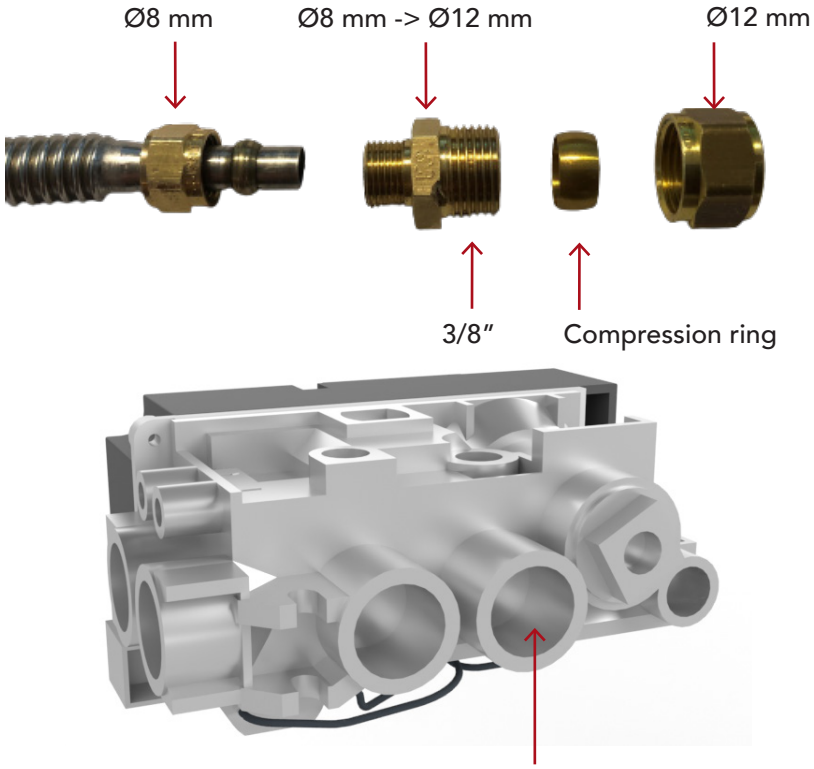
GAS CONNECTION

PROCEDURE

Schließen Sie Ihre Gasversorgung an das flexible Einlassrohr des GV60-Kombinationsventil an. The thread of the GV60 combination valve is 3/8'' BSP with a diameter of 12 mm.

Secure against leaks in all gas connections made. Make sure that the gas is correctly connected.

Always install a stopcock and a measuring stud before the GV60 Combination Valve. The stopcock should be placed closest to the GV60 Combination Valve.



Ø12 mm 3/8” gas inlet – Only if the flexible line is not used

WARNING!

Do not twist or hard bend the flexible gas lines from the GV60 Combination Valve. Make sure that the flexible gas lines are not stressed, and not to damage the gas lines or couplings on the GV60 Combination Valve.

REMOTE CONTROL

In this section you can learn how to set up the remote control for the gas fireplace.

The remote control uses 2 x AAA 1.5V batteries.

Never use pointed tools to remove the batteries from the receiver and remote control.

The signal range between the remote control and the gas fireplace must not exceed 10 metres.

NOTE!
Once a year you should replace the batteries in the remote to ensure optimal operation. Replace all the batteries at the same time and use only good quality alkaline batteries.

SYNCHRONISE THE REMOTE CONTROL
Scan the QR code to watch a how-to-video

SYNCHRONISATION OF THE REMOTE CONTROL AND RECEIVER

1. Press and hold the receiver's "reset" button until you hear a short 'beep' followed by a long 'beep' (see the arrow).
2. After the second beep, release the reset button. You now have 20 seconds to press the "down arrow" button on the remote control. Hold the button in, until you see the word "conn" on the remote control. Then release the button.
3. The remote will then count to 8 and two short beeps will sound from the receiver. The receiver and remote control are now synchronised, and the fireplace can be lit. If a long tone is heard, the synchronization must be performed again.

Remote control

Receiver

See the separate User Manual for remote control options and a guide for the *WiFi module and the PUCK.*

USER MANUAL
Scan the QR code to see the user manual

BALANCED FLUE SYSTEM

A balanced flue pipe system contributes to a safer and more efficient operation of the gas fireplace and does not affect the house's pressure or air quality.

Please refer to the national/local regulations before installing the exhaust system. It must be ensured that the location of the exhaust terminal complies with the national building regulations.

This fireplace can be installed with either a roof terminal (C31), a wall terminal (C11), or a flexible system through an existing exhaust (C91). The fireplace must only be installed with a balanced exhaust system in the manner specified in this manual and the balanced flue configuration manual. It is important that the specifications supplied by the flue supplier is followed when installing the system.

The following exhausts have been approved in conjunction with the fireplace:

MANUFACTURER	SYSTEM	ADAPTER	SIZE
Schiedel	US	Not needed	Ø100/150
Schiedel	USD	Not needed	Ø100/150
Müllink & Grol	Multi-Vent	Adapter needed	Ø100/150
Poujoulat	DUOGAS	Adapter needed	Ø100/150
Jeremias	TWIN-GAS	Adapter needed	Ø100/150
Exodraft	RHGC Fan	Not needed	Ø100/150

OBSERVE THE FOLLOWING REGULATIONS

- Install the balanced flue pipe system in accordance with the flue manufacturer's instructions and the balanced flue configuration manual.

- Use the flue manufacturer's prescribed wall brackets and clamps to secure the flue pipe system.

  Recommendations for brackets:
  - Install a mounting bracket every 2 meters.
  - Always install a bracket after the first meter and the last meter.
  - Always install a bracket at every bend.

- Avoid mixing different types of balanced flue pipe systems.

- Ensure that the balanced pipes are fully assembled and pushed together as much as possible.

- Ensure there is a slope of 3 degrees back towards the fireplace to ensure proper drainage of condensation water. Only the wall terminal should have a slope away from the fireplace.

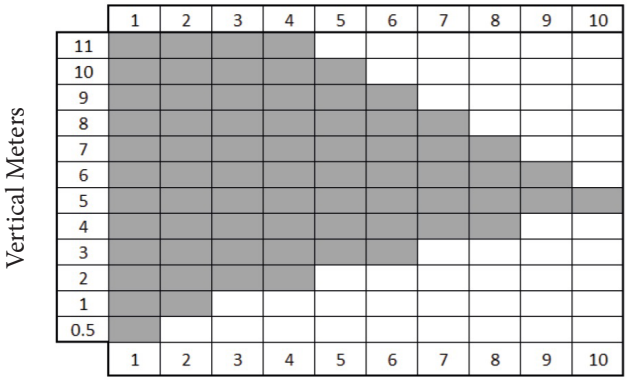
- Always maintain a distance of 50 mm from the chimney to combustible material. Always follow the regulations specified by the pipe supplier.

- Ensure that the balanced pipes do not come into contact with combustible material and are not placed in a closed environment with combustible material.

- Do not start the exhaust system with a measuring point, a bend, or an adjustable pipe. The fireplace most always start with a vertically flue pipe of 0.5 meters before introducing any bends.

- The exhaust for the gas fireplace must not exceed a total length of 15 meters. Each bend counting as 0.5 meters.

The following matrix can be used as a guide for routing options:



The following matrix can be used as a guide for restrictor options:

RESTRICTORS	
Vertical height up to 1-2 m	Restrictor B
Vertical height up to 2-5 m	Restrictor A
Vertical height up to 5-10 m	Restrictor B
Vertical height up to 10-15 m	No Restrictor

NOTE! Read the balanced flue configuration manual thoroughly before installation for detailed information on installation types, options, restrictor settings, and regulations. Use the QR code on this page to access the manual.

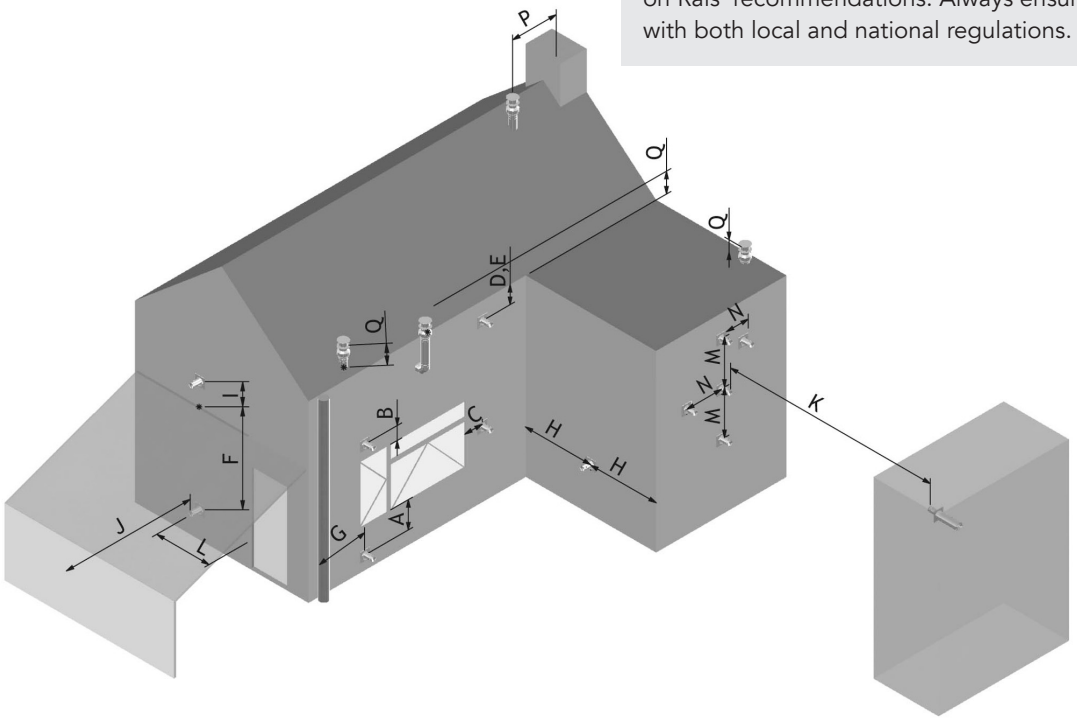
BALANCED FLUE CONFIGURATION MANUAL
Scan the QR code to see a guide online

GB

POSITIONING FLUE TERMINALS

The table below illustrates the positioning of various flue terminals, along with the required safety distances. These distances are based on Rais' recommendations.

WARNING!
Please note that the safety distances below are based on Rais' recommendations. Always ensure compliance with both local and national regulations.



DIMENSIONS	TERMINAL POSITION	DISTANCE (mm)
A	Directly below an opening, ventilation, opening window, etc.	1000
B	Above an opening, ventilation, opening window, etc.	500
C	Adjacent to an opening, ventilation, opening window, etc.	500
D	Below gutters, soil pipes or drainpipes	300
E	Below eaves - From the center of the exhaust opening should be at least an angle of 45° to any roof eaves	45°
F	Below balconies of a car port roof - Shall be op on both sides	600
G	From a vertical drainpipe or soil pipe	300
H	From an internal or external corner	500
I	Above a ground roof or balcony level	300
J	From a surface facing the terminal	600
K	From a terminal facing the terminal	2000
L	From an opening in the car port (e.g. door, window into the dwelling)	1200
M	Vertically from a terminal on the same wall	1500
N	Horizontally from a terminal on the same wall	500
P	From a vertical structure on the roof	500
Q	Above an intersection with the roof	300

DISTANCE TO COMBUSTIBLE

The Q-Tee 2 model is used to show the installation distances to combustibles. The distance measurements apply to all model variants regardless of height.

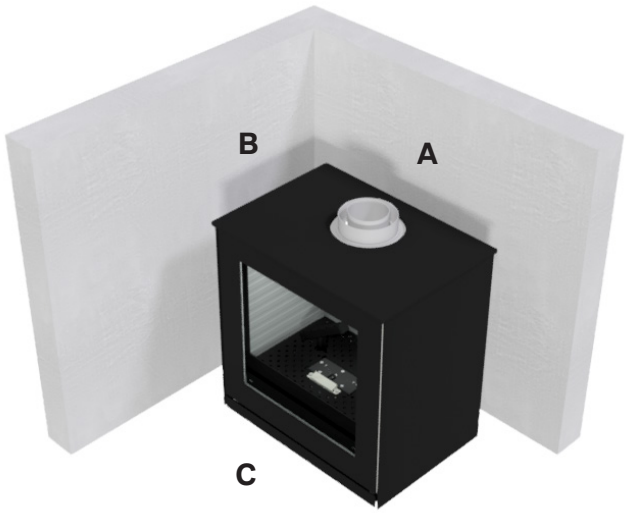
The distance measures are only divided into models with and without side glass, and whether the gas fireplace is a front or corner installation.

The distance to non-flammable material should always be at least 50 mm to allow for air circulation.

Q-TEE

Right-angled installation against a combustible wall.

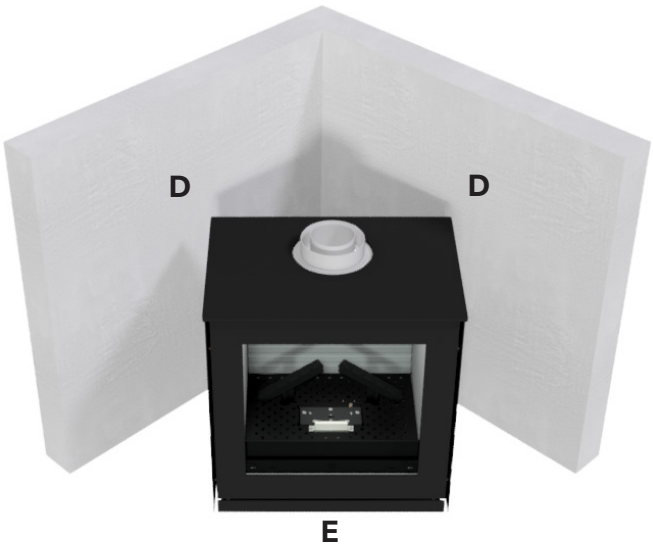
A Back 50 mm
B Side wall 250 mm
C Furnishing 700 mm



Front installation

Corner installation against a combustible wall.

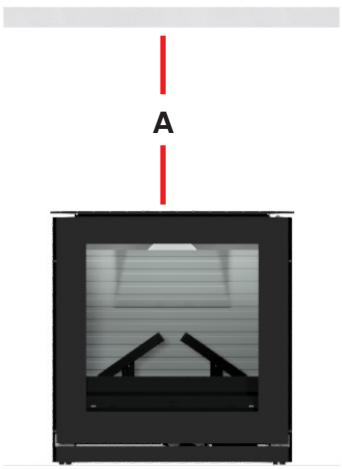
D: Back/side 50 mm
E Furnishing 700 mm



Corner installation

Q-TEE GAS FROM TOP PLATE TO CEILING

A Top plate to combustible ceiling 1000 mm



STARTING THE GAS FIREPLACE

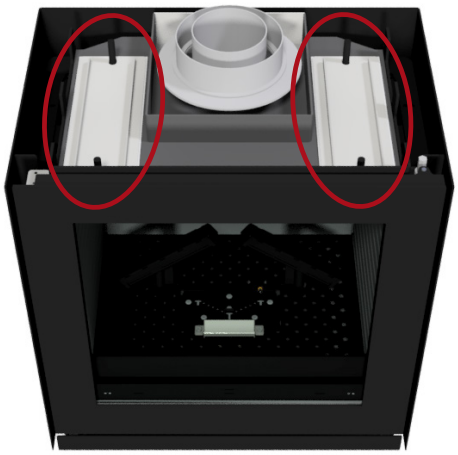
Before igniting the fire for the first time, ensure that all the packaging, labels, etc., are removed from the fireplace and the glass is cleaned.

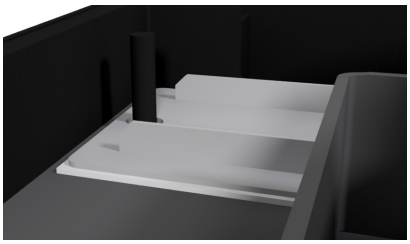
Read more about cleaning the gas fireplace on page 42.

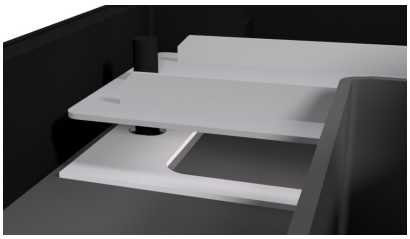
PROCEDURE

1. Check that the delayed ignition flap can be easily lifted inside the fireplace roof (see the photos below).
   Make sure that the gaskets are placed correctly and are not damaged.

2. Allow the fireplace to burn at a high heat for a couple of hours to allow the paint to cure.







Delayed ignition flaps

SOUNDS

The fireplace can emit a "clicking" sound when it is heating up and cooling down. This is due to the large temperature differences the material is exposed to.

DEW AND CONDENSATION

The fireplace can form dew on the fireplace glass at start-up. When the glass is cold and the appliance is lit, it may cause condensation and fog the glass. This condensation is normal and will disappear within 10-15 minutes as the glass and flue heats up.

NOTE!

Ventilate the room when you ignite the fireplace for the very first time. The fireplace may emit a little smoke and a slight odour when it is lit for the first time.

Ensure that the room is well ventilated during this time. Children and pets should be kept away from the fireplace during this process. Please exercise caution during this process: do not touch visible surfaces/glass, as these will become very hot.

WARNING!

Do not turn off the fireplace before all dew on the glass has gone!
If the fireplace is turned-off before the dew has gone, the water particles can damage the fireplace.

MANUAL EXTINGUISHING OF THE FIRE

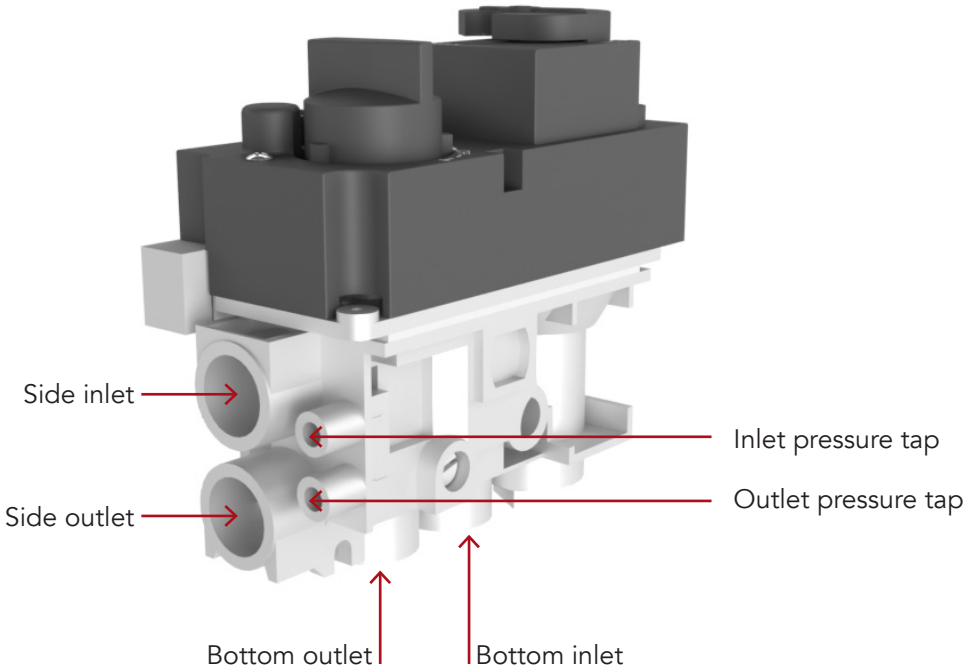
To extinguish the gas fireplace manually (e.g., if you cannot find the remote control or the remote control has no batteries) shut off the gas supply and electrical supply.

PURGING THE GAS PIPE

When the gas supply is connected for the first time, the supply lines will be filled with air. The gas supply can then be purged by unscrewing the inlet pressure tap on the side of the burner. The gas supply can then be vented by loosening the inlet fitting on the side of the burner or via manual venting, see QR link.

PURGING THE GAS PIPE
Scan the QR code
to watch a how-to-video

NOTE!
When the purging is complete, re-tighten the "pressure tap" screws. Check the system for gas leaks.



FUNCTIONAL TEST

Read these steps to check the function of the start-up of the gas fireplace.

1. Ignite the fireplace.
2. Check that the pilot flame ignites.
3. Check the pilot flame remains lit.
4. Check that the main burner ignites easily within 20 sec.
5. Check that the main burner flame is in contact with the 2nd thermocouple.
6. Check that the cross ignition from the pilot flame to the main burner occurs easily and that the main burner and pilot flame remain lit.
7. Check that the secondary burners remain lit.
8. Switch off the fireplace completely. The fireplace may only be ignited again after the thermocouple has cooled down. This will take about 1-2 minutes.

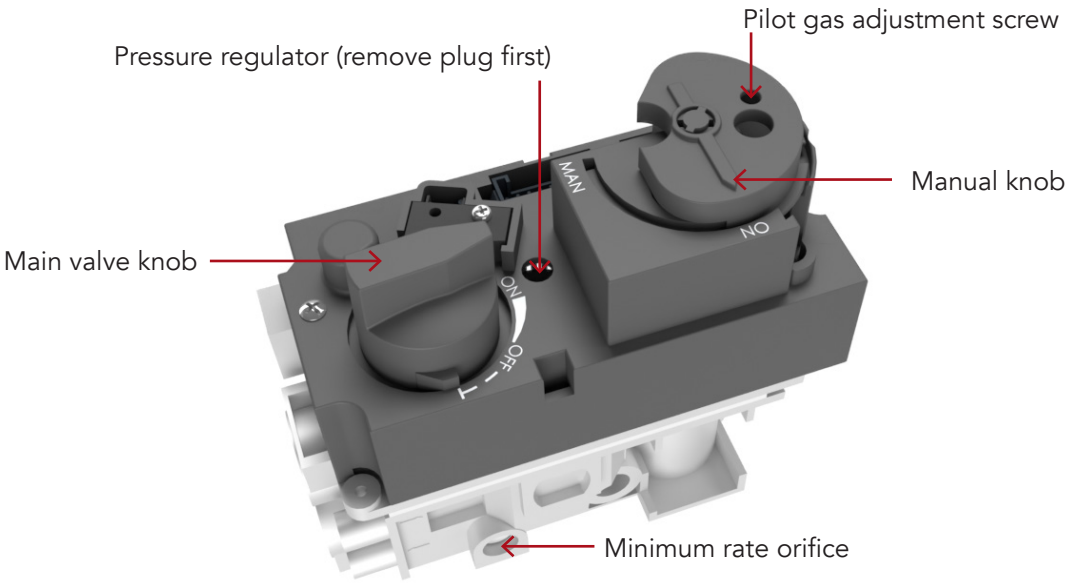
PRESSURE SETTING ADJUSTMENT

BURNER PRESSURE
Scan the QR code
to watch a how-to-video

The fireplace should be pressure adjusted according to the information label (see page 48). "Inlet pressure" (supply pressure to the GV60 Combination Valve) and "Burner pressure" (nozzle pressure) must always be measured and, if necessary, corrected by an authorised installer.

1. Loosen the screw to the "Outlet pressure tap" on the gas valve and connect a gas manometer.
2. Turn on the fireplace at maximum load, and let it burn for 45 minutes before measuring.
3. Check that the measured pressure agrees with the pressure stated on the information label.
4. The main burner pressure can be adjusted by removing the plug for the "pressure regulator".
5. Turn off the fireplace to minimum load.
6. The minimum burner pressure can be adjusted by the screw "minimum rate orifice".
7. After the pressure test is completed, re-tighten the "pressure tap" screws. Check the system for gas leaks.

The measured values must be within ± 10% of the stated pressure. If this is not the case, contact the supplier.



WARNING!
The pressure test and adjustment may only be performed by an authorised installer.

After the pressure test is completed and the gas manometer has been removed, re-tighten the "pressure tap" screws. Check the system for gas leaks.

CO AND O_2 MEASUREMENT

In certain countries, a measurement pipe is required to accurately document the CO level and flue temperature of the fireplace. The design of the pipe may vary depending on the manufacturer of the flue.

There are two points: the top one for CO measurements and the bottom one for O_2 measurements.

CO measurements are done when the fireplace has been running at full load for 45 minutes, The value must not exceed the level of national requirements. Wait 25 minutes between the measurements below.

CO levels must not exceed 1000 ppm. O_2 measurement in the outer pipe has to be minimum 19%.

CO measurement on maximum load
1. Put the fireplace in maximum load by pressing ▲ twice quickly on the remote control.

CO measurement on minimum load
1. Push the ϟ until the secondary burners are shut off.
2. Put the fireplace in minimum load by pressing ▼ twice quickly on the remote control.

NOTE!
During the initial startup of the fireplace, it's possible for carbon monoxide (CO) levels to be elevated as the paint, oils, and other components settle.

SERVICE AND MAINTENANCE

We recommend a yearly service check of the fireplace to ensure a long and lasting fireplace with a beautiful flame.

SERVICE PROCEDURE

The fireplace must be inspected by an authorised gas installer or other professional in accordance with national law. The inspection must ensure the product's operation and safety.

Switch off the fireplace and shut off the gas supply. Make sure the fireplace is completely cold before you begin. RAIS cannot be held liable for injuries that result from touching a hot fireplace.

The steps below can be used as a guideline.

RECOMMENDED SERVICE PROCEDURE

1. Protect the floor by laying down a carpet or other covering to prevent damage or dirt.
2. Turn off the gas and power supply to ensure safety during service work.
3. Open the door and carefully remove the ceramic logs and ember layer.
4. Use a vacuum cleaner to thoroughly clean the burner and base grate.
5. Remove the secondary burners and the base grate, and vacuum the entire burner area.
6. Clean the ceramic logs with a soft brush if there are visible soot deposits.
7. Carefully clean the pilot burner with a soft brush and vacuum cleaner. The thermocouple must not be bent or straightened. If it shows signs of wear, replacement is recommended.
8. Check the pilot burner gaskets (green) to ensure they are in good condition. Replace the gaskets during service.
9. Reinstall the base grate correctly.
10. Inspect the venting system and terminal for any blockages that could affect combustion.
11. Place the ember layer and ceramic logs back. Follow the manual for proper placement, as incorrect arrangement can affect efficiency.
12. Check the glass and its gaskets for damage or wear.
13. Clean the glass inside with a glass cleaner to ensure clear visibility of the flames.
14. Close and lock the door properly to ensure a correct seal.
15. Turn on the gas and power supply and check for gas leaks. Inspect the burners and the pilot for proper function.
16. Measure the gas pressure with a manometer to ensure it is within specifications.
17. Light the fireplace and check the pressure settings for proper operation.
18. Test for carbon monoxide (CO) to ensure there are no dangerous emissions in the room.
19. Check the remote control and batteries. Replace the batteries if necessary.
20. Inspect the electrical connections for damage or oxidation.
21. Check the insulation around the burner housing to ensure it is intact and protecting against heat loss.
22. Lubricate any moving parts in the door or control system if necessary to ensure smooth operation.
23. Replace worn parts with original spare parts to ensure optimal performance.
24. Dispose of replaced parts in the appropriate waste containers according to local regulations.
25. Instruct the customer on the safe use and daily maintenance of the fireplace.

NOTE!

The fireplace must be inspected by an authorised gas installer or other professional in accordance with national law.

CLEANING

The fireplace should be cleaned of dust and foreign objects when you use it for the first time in the year, and especially if the fireplace has not been used for a longer period.

You could do this using a soft brush and a vacuum cleaner or by using a damp cloth with a non-abrasive cleaning agent. Never use corrosive or abrasive substances to clean the fireplace. The fireplace must be cold before you clean it.

If the glass has a layer of soot, clean the glass using a glass cleaner. Clean the outside of the fireplace using a dry cloth.

Before using the fireplace for the first time in the year, the flue system and flue gas connection must always be checked for blockages.

Check the outside and inside of the fireplace for any damage and pay particular attention to gaskets. Only original RAIS spare parts may be used.

CLEANING THE CERAMIC LOGS

1. Remove the ceramic logs as described in steps 1-3 in "Recommended Service Guideline" on page 41.
2. Carefully clean the ceramic logs using a soft brush and a vacuum cleaner. Damaged parts may only be replaced by original RAIS specified parts.
3. The scrapped ceramic parts should be disposed of in the correct municipal disposal centres. It is recommended that you use a vacuum cleaner with a HEPA filter system.
4. Put back the embers layer and fit the glass. Ensure that the fireplace functions correctly and is safe to use.

WARRANTY

At RAIS, we stand behind the quality and craftsmanship of our gas fireplaces. We offer a 2-year warranty starting from the date of delivery, in addition to the national warranty requirements applicable in your country.

Warranty Claim Procedure
If you experience issues covered by the warranty, follow these simple steps:

1. Contact Your Authorized RAIS Dealer
Report your case promptly to your dealer, who will initiate the claims process and guide you through the next steps.

2. Provide Necessary Details
To ensure a smooth process, please provide the following:
- Description of the issue
- Serial number of your fireplace
- The original purchase invoice

RAIS will assess the claim and determine whether repair or replacement of parts is needed. All claims are handled professionally and efficiently.

Important Notes
- Warranty Period Duration: Any repairs or replacements under the warranty do not extend the original warranty. The warranty period continues from the original purchase date.

- Alternative Parts: If original parts are unavailable, RAIS will supply alternative parts of equivalent quality to maintain the fireplace's performance.

- Renewed Warranty Period: For replaced parts, warranty coverage follows national/EU legislation regarding renewed warranty periods.

- Non-Transferable Warranty: The warranty applies only to the original purchaser and cannot be transferred if the fireplace is resold.

Return Process
If you need to return a part under warranty, contact your dealer to obtain a case number. The return process will then be managed through your dealer.

Labor Costs
Labor costs for burner repairs are covered if the claim is accepted under the warranty.

Covered Under Warranty
- Malfunctions caused by defective craftsmanship
- Faults due to material defects
- Gas fireplace casing (5-year warranty)

Limited Warranty for Wear Parts (1 year from first use)
- Glass and glass seals
- Skamol side and back panels
- Burner thermocouples
- Decorative logs

Not Covered Under Warranty
- Changes in appearance, color, or patina of stainless steel surfaces
- Thermal expansion noises

Warranty Void if:
- Installation or repairs are not in compliance with local/national laws
- Damage occurs due to external factors (e.g., improper fuels, impacts, lightning, floods, or overheating)
- The fireplace is not installed as per the instructions or is misused
- Unauthorized modifications are made or maintenance is neglected (as outlined in the installation manual)
- Non-original components are used
- Neglect, misuse, or gross negligence causes the fault

Additional Guidelines
- Annual Inspections: Professional annual inspections are recommended to ensure safe operation of the fireplace.
- Warranty Coverage: Only applies to fireplaces purchased through authorized RAIS dealers.
- Replacement Parts: Replacement or renewal of components does not extend the warranty period.

TROUBLESHOOTING

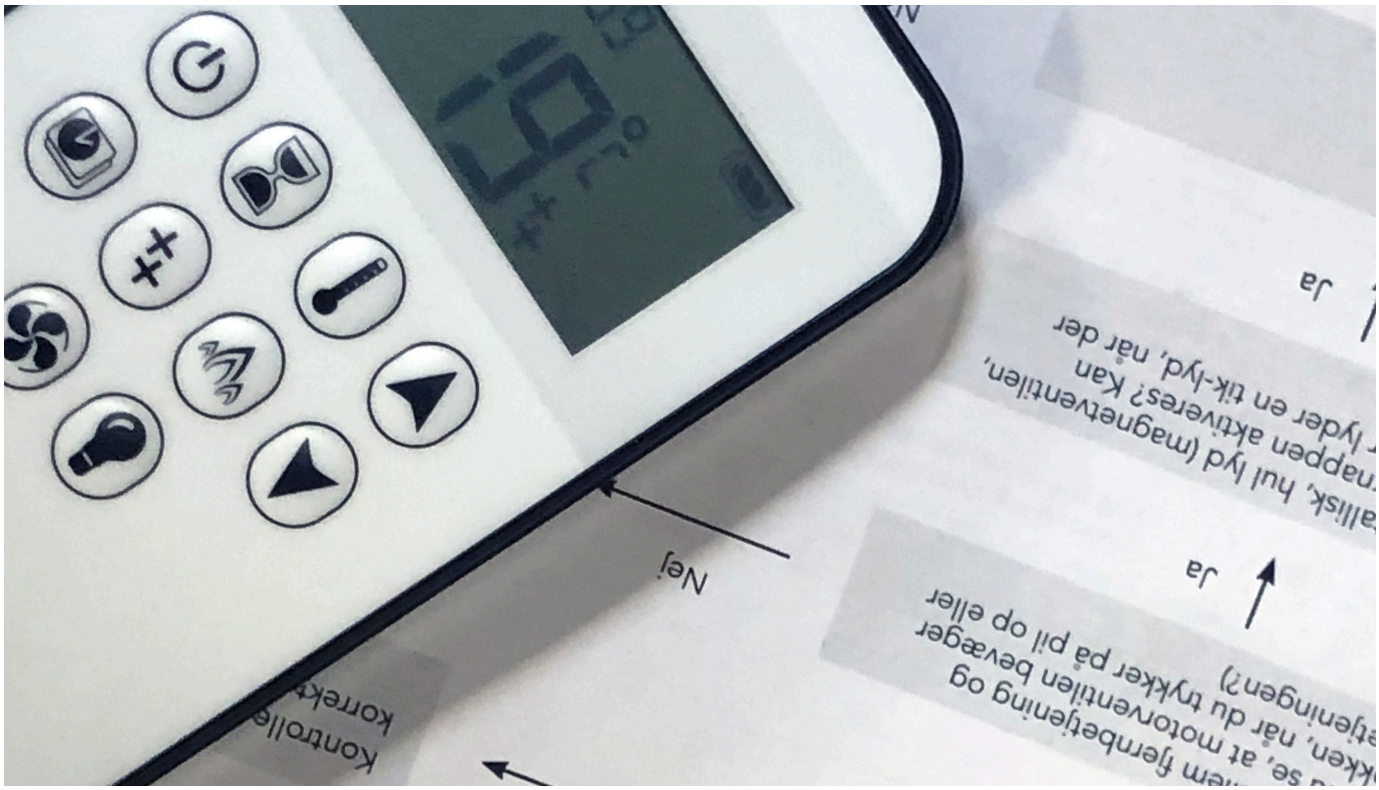
If you, against all expectation, should experience issues with your fireplace, please try the following steps. If the issues persist, please contact your RAIS dealer and state in which step the problem occurred.

The most common problem is a lost connection between the remote control and receiver due to lack of power. Therefore, we recommend changing the batteries in your remote/receiver and resetting the connection once a year. Please follow the guide on page 32.

Does the remote control light up when you press the buttons?	**NO** →	Please check that the batteries are working and mounted correctly.
YES ↓		
Are the remote control and receiver connected? (Can you see the motor valve move on the GV60 Combination Valve when you press the arrow up or down on the remote control?).	**NO** →	Please check the batteries and the power supply. Try connecting the receiver and remote control again.
YES ↓		
Can you hear a metallic, hollow sound (the magnetic valve opening), when turning the gas fireplace on? Can you hear/see a spark? (You can hear a ticking sound when a spark is generated?).	**NO** →	The magnetic valve can get stuck. Try the starting sequence again. Check that the ignition cable between the receiver and burner electrode is connected.
YES ↓		
Is the pilot flame on?	**NO** →	Please check the gas supply and that the pipes have been vented. Check that the button on the GV60 Combination Valve is set to AUTO.
YES ↓		
Is the pilot flame burning for more than 30 seconds, before it turns off?	**NO** →	1st thermocouple might not function correctly. Check the thermocouple with an ohmmeter. = 4-6 mV drop. Check that the button on the GV60 Combination Valve is set to ON.
YES ↓		
Are the main and secondary burners burning for more than 30 seconds before it turns off? (Is there a flame by the ceramic logs?)	**NO** →	2nd thermocouple is interrupted. Check that the 2nd thermo is not covered in any way and that the flame is touching the thermo sensor. Check the wire to the 2nd thermocouple.
YES ↓		
Are there flames for more than 2 minutes after the main and secondary burners are turned on?	**NO** →	Check the flame by the 2 thermocouples. Check that the logs and embers layer are placed according to the installation manual.
YES ↓		
Is the gas fireplace working after burning for 2 or more minutes?	**NO** →	Check the gas supply. LPG: The bottle can freeze which causes the gas supply to decrease.

ERROR CODES ON THE REMOTE CONTROL

ERROR CODE	SYMPTOM	POSSIBLE CAUSE
F04	• No pilot within 30 sec. • Note: After 3 failed ignition sequences F06 is displayed.	• No gas supply • Air in pilot supply line • No spark • Reversed polarity in 1st thermocouple wiring
F06	• 3 failed ignition sequences within 5 minutes • Fire is not responding, no pilot flame	• No gas supply • Air in pilot supply line • No spark • Reversed polarity in 1st thermocouple wiring • Incorrect pilot orifice if the valve has been converted from LPG to NG or vice versa.
F09	• Fire is not responding • No electric control of the fire	• The down arrow button was not pressed during pairing. • The receiver and handset are not synced
F40	• Battery icon flashes on the handset display	• Low battery in the handset
F46	• Fire is not responding • Intermittent response • No electronic control of the fire	• No or bad connection between the receiver and handset • No power to the receiver • Low communication range (Main adapter faulty, handset not communicating with the receiver)



ERROR CODES ON THE APP

ERROR CODE	MESSAGE SHOWN IN APP	SYMPTOM	POSSIBLE CAUSE
F02	F02 Contact Service	• 5 sec. beep from the receiver • Fire is not responding, no ignition	• Microswitch not making contact with the cam on the motor knob • Motor wiring incorrect • Reversed polarity or faulty microswitch • Bent motor knob
F03	F03 Contact Service	• 5 sec. beep from the receiver • Ignition process is interrupted • Fire is not responding, no ignition	• Thermocouple wiring incorrect or interrupted • ON/OFF switch in "O" (OFF) position
F04	F04 Ignition Sequence malfunction Wait 1 minute Retry ignition	• No pilot flame within 30 sec. • NOTE: After 3 failed ignition sequences F06 is displayed	• No gas supply • Air in pilot supply line • No spark • Reversed polarity in thermocouple wiring • Incorrect pilot orifice if valve has been converted from LPG to NG or vice versa
F06	F06 Contact Service	• 3 failed ignition sequences within 5 minutes • Fire is not responding, no pilot flame	• No gas supply • Air in pilot supply line • No spark • Reversed polarity in thermocouple wiring • Incorrect pilot orifice if the valve has been converted from LPG to NG or vice versa
F10	F10 Contact Service	• Pilot light lit • Main burner fails to ignite and pilot light shuts off • Ignition is blocked for 2 minutes	• 2nd thermocouple is out of position • 2nd thermocouple wiring incorrect • Gas logs out of position • Gas ports for burner are blocked
F12	F12 Contact Service	• Motor turns to pilot position • Fan at level 4 for 10 minutes	• Receiver temperature exceeds 60°C • Receiver powered by batteries • Blocked flue, no air circulation in firebox • Heat shield incorrectly installed
F13	F13 Contact Service	• Motor turns to pilot position	• Receiver temperature exceeds 80°C
F14	F14 Contact Service	• 5 sec. beep from the receiver • Fire is not responding, no ignition	• Receiver software doesn't support on 2nd thermocouple • Wrong receiver
F15	F15 Contact Service	• 5 sec. beep from the receiver • Fire is not responding, no ignition	• 2nd thermocouple is not connected • 2nd thermocouple wiring
F16	F16 Contact Service	• No temperature shown in the app	• Handset out of range for more than 1.5 h • Electrical interference
F17	F17 Contact Service	• No ignition (fire is not responding)	• Inlet voltage exceeds 7.25 V • Malfunction of the main adapter
F19	F19 Contact Service	• Pilot drops when motor opens main gas	• Insufficient thermo-voltage • Thermocouple malfunction • Low inlet gas pressure • Improper thermocouple flame impingement • Carbon build-up on the thermocouple • Valve malfunction • Resistance in thermocurrent circuit
F26	F26 Contact Service	• It is not possible to increase flame height after ignition • Fan at level 4 for 10 minutes (T>60°C)	• Receiver temperature exceeds 60°C
F28	F28 On-Demand Pilot	• Pilot shuts off after a predefined time	• Pilot shuts off after no motor movement for a predetermined time
F31	F31 Contact Service	• Fire is not responding • No electronic control of the fire	• Receiver malfunction
F41	F41 Check WiFi	• Fire is not responding • No electronic control of the fire	• No power to WiFi module or router • No WiFi connection between WiFi module and router, and/or smart device
F43	F43 No receiver connected Contact Service	• Fire is not responding • No electronic control of the fire	• No communication between the receiver and WiFi module
F44	F44 Contact Service	• No temperature shown in the app • "N.a." (not applicable) displayed in the app	• Handset not within range • Low battery in the handset

ERROR SOUND DIAGRAM

Confirmation ignition start (EU) Ignition sequence (US)	
Failure: Micro switch defect, ON/OFF Switch open, Wiring not completed, Learn function failed, no 2nd Thermocouple connected to 2nd Thermocouple version (Receiver: yellow lable), Ignition failed because 2nd Thermocouple has not cooled down	
Low Battery (during the motor turns)	
Reset (also new Batteries or Power ON)	
Learning function	

INFORMATION LABEL

This gas fireplace is tested and certified for use in several countries. The gas fireplace has been tested for use with natural gas, town gas, LPG and biogas.

18
Produkt ID/ Product ID/ ID du produit/ Produziert von:
2575DM29341

CE 2575· UKCA 0359

C11
C31
C91

Produceret af/Produced at/Produit par/Produziert von - RAIS A/S, Industrivej 20, 9900 Frederikshavn, Denmark

☐ **Q-TEE 2** ☐ **Q-TEE 2 C**

- Dette apparat skal installeres i overensstemmelse med gældende regler og kun bruges i et tilstrækkeligt ventileret rum. Konsulter instruktionerne før installation og brug af dette apparat. Testet og certificeret til brug med biopropan. Effektivitetsklasse 1.
-This appliance must be installed in accordance with the rules in force, and only used in a sufficiently ventilated space. Consult instructions before installation and use of this appliance. Tested and Certified for use on Biopropane. Efficiency class 1.
-Cet appareil doit être installé conformément aux règles en vigueur et utilisé uniquement dans un espace suffisamment ventilé. Consultez les instructions avant l'installation et l'utilisation de cet appareil. Testé et certifié pour l'utilisation avec du biopropane. Classe d'efficacité 1.
-Dieses Gerät muss gemäß den geltenden Vorschriften installiert werden und darf nur in einem ausreichend belüfteten Raum verwendet werden. Bitte konsultieren Sie die Anweisungen vor der Installation und Verwendung dieses Geräts. Getestet und zertifiziert für die Verwendung mit Biopropan. Energieeffizienzklasse 1.

Serienummer/Serial number/Numéro de série/Seriennummer _____ **Brænder ID/Burner ID/ID du Brûleur/ Brenner ID** _____

Gas kategori og forsyningstryk Gas category and supply pressure Catégorie de gaz et pression d'alimentation Gas Kategorie und Versorgungs-druck			Indgang Input Entrée Eingang (Hi, kW)	Udgang Output Sortie Ausgang (Hi, kW)	Min. Indgang Min. Output Sortie min Min. Leistung (Indicative kW)	Brænder tryk høj (Varm) Burner pressure high (Hot) Pression du brûleur élevée (Chaud) Brennerdruck hoch (Warm)	Brænder tryk lav (Varm) Burner pres-sure low (Hot) Pression du brûleur basse (Chaud) Brennerdruck-niedrig (Warm)	Destinationsland Country of destination Pays Zielland
☐ NG	I2H/ I2E	G20 20 mbar	8,1	6,3	1,7	13,8 Interval 12,4 - 15,2	7 Interval 6,3 - 7,7	AT, CH, CZ, DE, DK, EE, ES, FI, GB, GR, HR, IE, IT, LT, LU, LV, NO, PL, PT, RO, SE, SI, SK, TR
	I2ELL	G25 20 mbar	6,8	4,9	1,7	13,9 12,5 - 15,3	7 6,3 - 7,7	DE
	I2E+	G20 20 mbar	8,1	6,3	1,7	13,8 12,4 - 15,2	7 6,3 - 7,7	BE, FR
	I2E+	G25 25 mbar	7,6	5,8	1,7	15 13,5 - 16,5	7 6,3 - 7,7	BE, FR
	I2L/ I2EK/ I2 (43.46-45.3 MJ/ m3 0c)	G25.3 25 mbar	7,7	5,8	1,7	15 13,5 - 16,5	7 6,3 - 7,7	NL
☐ TOWN GAS		G150.1 8 mbar	8,5	6,7	1,6	6 5,4 - 6,5	2 2 - 2,3	DK, SE
		G150.1 10 mbar	11,9	9,2	2,1	13 11,7 - 14,2	3 3 - 3,3	DK, SE
☐ LPG	I3+ (28-30/37)	G30 30 mbar	7,2	5,7	1,8	29 26,1 - 30	15 13,5 - 16,5	BE, CH, CY, CZ, ES, FR, GB, GR, IE, IT, PT, SI, SK, TR
	I3+ (28-30/37)	G31 37 mbar	7,2	5,7	1,8	30 27 - 33	15 13,5 - 16,5	BE, CH, CY, CZ, ES, FR, GB, GR, IE, IT, PT, SI, SK, TR
	I3P (30)	G31 30 mbar	6,3	5	1,7	29 26,1 - 30	15 13,5 - 16,5	FI, NL, RO
	I3P (37)	G31 37 mbar	7,2	5,7	1,8	30 27 - 33	15 13,5 - 16,5	BE, CH, CZ, ES, FR, GB, GR, HR, IE, IT, LT, NL, PL, PT, SL, SK, TR
	I3P (50)	G31 50 mbar	7,2	5,7	1,8	30 27 - 33	15 13,5 - 16,5	AT, CH, CZ, DE, NL, SK
	I3B/P (30)	G30 30 mbar	7,2	5,7	1,8	29 26,1 - 30	15 13,5 - 16,5	BE, BG, CY, DK, EE, FI, FR, GB, GR, HR, HU, IT, LT, MT, NL, NO, RO, SE, SI, SK, TR
	I3B/P (30)	G31 30 mbar	6,3	5	1,7	29 26,1 - 30	15 13,5 - 16,5	BE, BG, CY, DK, EE, FI, FR, GB, GR, HR, HU, IT, LT, MT, NL, NO, RO, SE, SI, SK, TR
	I3B/P (50)	G30/G31 50 mbar	7,2	5,7	1,8	30 27 - 33	15 13,5 - 16,5	AT, CH, CZ, DE, FR, SK

SVGW Nr. 18-035-3

ATTIKA FEUER AG, Brunnmatt 16, CH-6330 Cham / RAIS A/S, Industrivej 20, DK-9900 Frederikshavn

Q-Tee GAS		NATURAL GAS															
Producer		RAIS															
Model		Q-Tee II - Q-Tee IIC															
Country code		AT, CH, CZ, DE, DK, EE, ES, FI, GB, GR, HR, IE, IT, LT, LU, LV, NO, PL, PT, RO, SE, SI, SK, TR			DE			BE, FR						NL			
Gas category		I2H/I2E			I2ELL			I2E+						I2L/I2EK/I2			
		G20@20	Interval		G25@20	Interval		G20@20	Interval		G25@25	Interval		G25.3@25	Interval		
Inlet gas pressure	Mbar	20,0			20,0			20,0			25,0			25,0			
Nominal input Nett rate / calorific value (Hi)	kWh	8,1			6,8			8,1			7,6			7,7			
Max. Output	kWh	6,3			4,9			6,3			5,8			5,8			
Min. Output	kWh	1,7			1,7			1,7			1,7			1,7			
Volumetric flow rate	m³/hr	0,8			0,8			0,8			0,9			0,9			
Burner pressure high (hot)*	Mbar	13,8	12,4	15,2	13,9	12,5	15,3	13,8	12,4	15,2	15,0	13,5	16,5	15,0	13,5	16,5	
Burner pressure min. (hot)**	Mbar	7,0	6,3	7,7	7,0	6,3	7,7	7,0	6,3	7,7	7,0	6,3	7,7	7,0	6,3	7,7	
Concentric approvals		C11 / C31 / C91															
Exodraft Balanced Fan		Approved															
Concentric connection		Ø100 mm - Ø150 mm															
Type of burner		3713500															
Batteries for remote control		2x 1.5V AAA															
Electrical connection *(Option)*		230 VAC / 50 Hz 6 V adapter															
Gas connection		To GV60 - 3/8" G / Ø12 mm To Flex hose - 1/2" G / Ø8 mm															
Injector marking		120 Center, 260 Left, 260 Right															
Air		Main venturi: Air ½ open Secondary venturis: One closed side / One hole side															
Air Snorkel installation		Main venturi: Air fully open Secondary venturis: One fully open side / One hole side															
Pilot marking		G30-ZP2-312-31.1															
Efficiency class		1															
Nox class		5															

* Double burners maximum - The appliance is switched on. Been burning for 45 minutes.

** Double burners at minimum - The appliance is switched on. Been burning for 45 minutes.

TECHNICAL DATA SHEET – LPG

Q-Tee GAS		LPG																											
Producer		RAIS																											
Model		Q-Tee II - Q-Tee IIC																											
Country code		BE, CH, CY, CZ, ES, FR, GB, GR, IE, IT, PT, SI, SK, TR						FI, NL, RO			BE, CH, CZ, ES, FR, GB, GR, HR, IE, IT, LT, NL, PL, PT, SL, SK, TR			AT, CH, CZ, DE, NL, SK			BE, BG, CY, DK, EE, FI, FR, GB, GR, HR, HU, IT, LT, MT, NL, NO, RO, SE, SI, SK, TR						AT, CH, CZ, DE, FR, SK					
Gas category		I3+ (28-30/37)						I3P (30)			I3P (37)			I3P (50)			I3B/P (30)						I3B/P (50)					
		G30@28-30	Interval		G31@37	Interval		G31@30	Interval		G31@37	Interval		G31@50	Interval		G30@30	Interval		G31@30	Interval		G30@50	Interval		G31@50	Interval	
Inlet gas pressure	Mbar	29,0			37,0			30,0			37,0			50,0			29,0			30,0			50,0			50,0		
Nominal input Nett rate / calorific value (Hi)	kWh	7,2			7,2			6,3			7,2			7,2			7,2			6,3			7,2			7,2		
Max. Output	kWh	5,7			5,7			5,0			5,7			5,7			5,7			5,0			5,7			5,7		
Min. Output	kWh	1,8			1,8			1,7			1,8			1,8			1,8			1,7			1,8			1,8		
Volumetric flow rate	m³/hr	0,2			0,3			0,3			0,3			0,3			0,2			0,3			0,3			0,3		
Burner pressure high (hot)*	Mbar	29,0	26,1	31,9	30,0	27,0	33,0	29,0	26,1	31,9	30,0	27,0	33,0	30,0	27,0	33,0	29,0	26,1	31,9	29,0	26,1	31,9	30,0	27,0	33,0	30,0	27,0	33,0
Burner pressure min. (hot)**	Mbar	15,0	13,5	16,5	15,0	13,5	16,5	15,0	13,5	16,5	15,0	13,5	16,5	15,0	13,5	16,5	15,0	13,5	16,5	15,0	13,5	16,5	15,0	13,5	16,5	15,0	13,5	16,5
Concentric approvals		C11 / C31 / C91																											
Exodraft Balanced Fan		Approved																											
Concentric connection		Ø100 mm - Ø150 mm																											
Type of burner		3713500LPG																											
Batteries for remote control		2x 1.5V AAA																											
Electrical connection *(Option)*		230 VAC / 50 Hz 6 V adapter																											
Gas connection		To GV60 - 3/8" G / Ø12 mm To Flex hose - 1/2" G / Ø8 mm																											
Injector marking		80 Center, 120 Left, 120 Right																											
Air		Main venturi: The air is completely open Secondary venturis: Fully open on both sides																											
Pilot marking		G30-ZP2 271-27.1																											
Efficiency class		1																											
Nox class		5																											

* Double burners maximum - The appliance is switched on. Been burning for 45 minutes.

** Double burners at minimum - The appliance is switched on. Been burning for 45 minutes.

TECHNICAL PARAMETERS

RAIS
ART OF FIRE

Technical information for gaseous fuel local space heaters

Manufacturer	Rais A/S Industrivej 20 DK - 9900 Frederikshavn
Product name	RAIS
Model identifier	Q-Tee 2 - Q-Tee 2C
Equivalent models	N/A
Test report nr.	103435815LHD-001
Harmonised European standards	EN613:2021
Indirect heating functionality	No
Direct heat output	6,3 kW
Indirect heat output	No
Fuel type	Gaseous
Seasonal space heating energy efficiency	91 %
Energy efficiency index (EEI)	88

Fuel	Fuel type	Space heating emmision	Heat output						Useful efficiency (NCV)		
		NO_x	Nomial heat output			Minimum heat output			Useful efficiency at nominal heat output		
		[mg/kWh$_{input}$] (GCV)	Symbol	Value	Unit	Symbol	Value	Unit	Symbol	Value	Unit
High calorific natural gas, G20	G20	< 130	P_{nom}	6,3	kW	P_{min}	1,7	kW	$\eta_{th,nom}$	91	%
High calorific natural gas, G25	G25	< 130	P_{nom}	4,9	kW	P_{min}	1,7	kW	$\eta_{th,nom}$	86	%
Propane / Butane	G30	< 130	P_{nom}	5,7	kW	P_{min}	1,8	kW	$\eta_{th,nom}$	92	%
Propane / Butane	G31	< 130	P_{nom}	5	kW	P_{min}	1,7	kW	$\eta_{th,nom}$	92	%

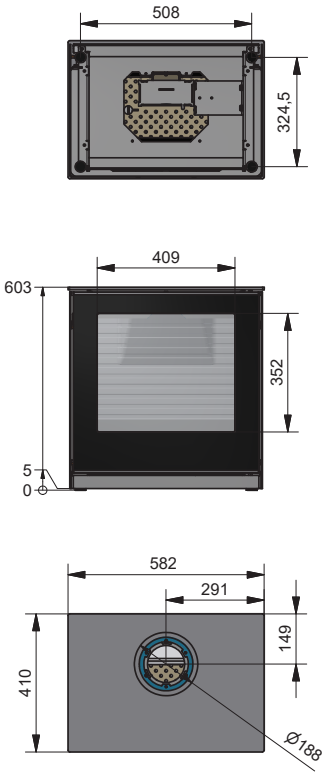
Auxiliary power consumption			
At nominal heat output	el_{max}	N/A	kW
At minimum heat output	el_{min}	N/A	kW
In standby mode	el_{sb}	N/A	kW

Type of heat output/room temperature control (select one)	
single stage heat output, no room temperature control	no
two or more manual stages, no room temperature control	no
with mechanic thermostat room temperature control	no
with eletronic room temperature control	no
with eletronic room temperature control plus day timer	no
with eletronic room temperature control plus week timer	yes
Other control options (multiple selections possible)	
room temperature control, with presence detection	no
room temperature control, with open window detection	no
with distance control option	yes
with adaptive start control	no
with working time limitation	no
with black bulb sensor	no

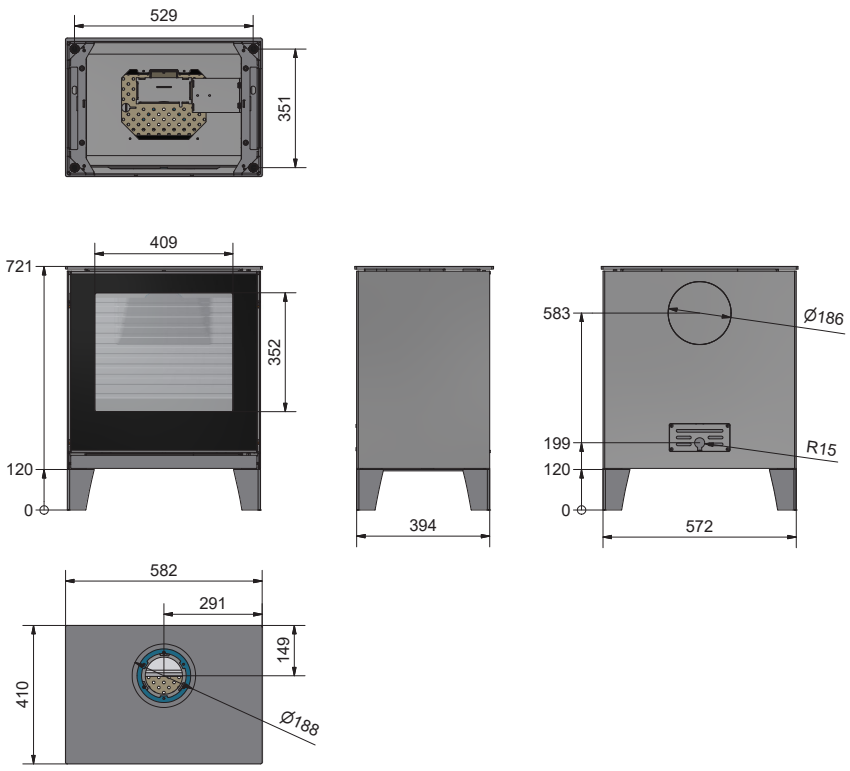
Permanent pilot flame power requirement			
Pilot flame power requirement (if applicable)	P_{pilot}	N/A	kW

Specific precautions for assembly, installation or maintenance	Precautions for assembly, installation and maintenance are described in: - Installation manual - User manual - Available manuals and guides; Flue manual, Exodraft manual and WiFi manual.
Name and signature of the authorised signatory	John Engell Nielsen, R&D

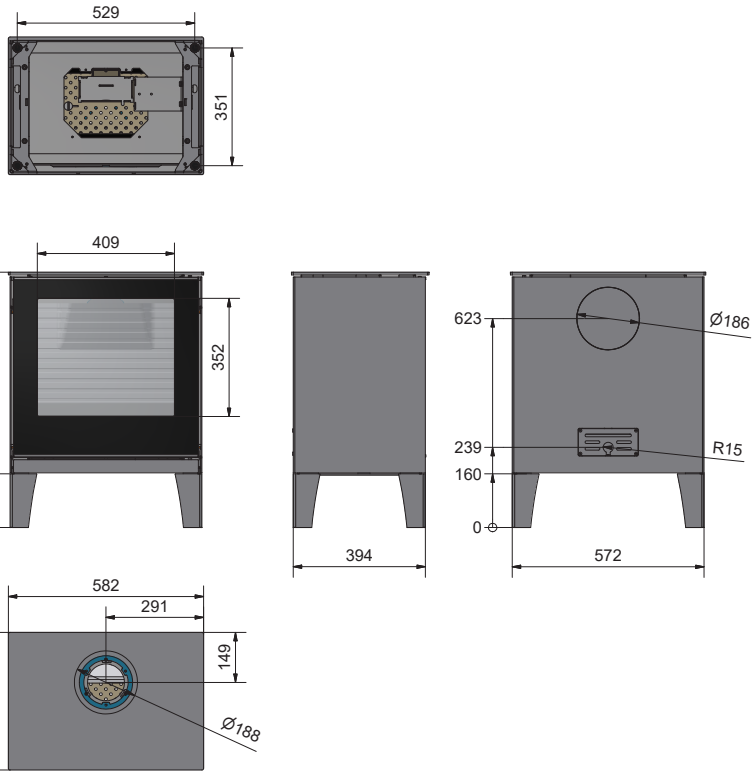
Q-TEE II - 60 CM BASIC



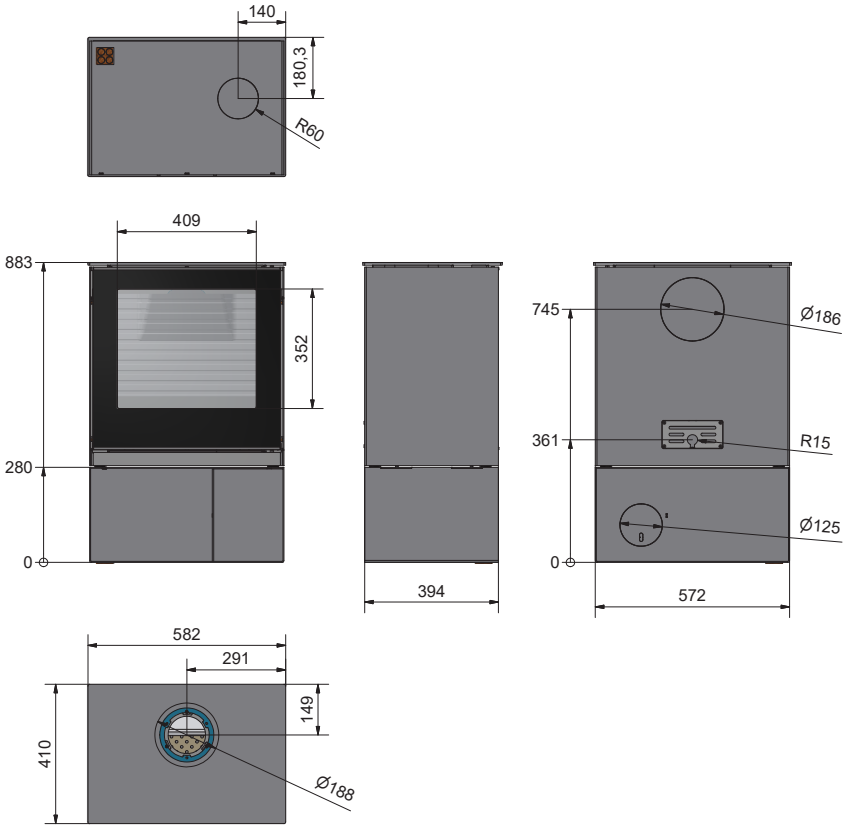
Q-TEE II - 72 CM LEGS



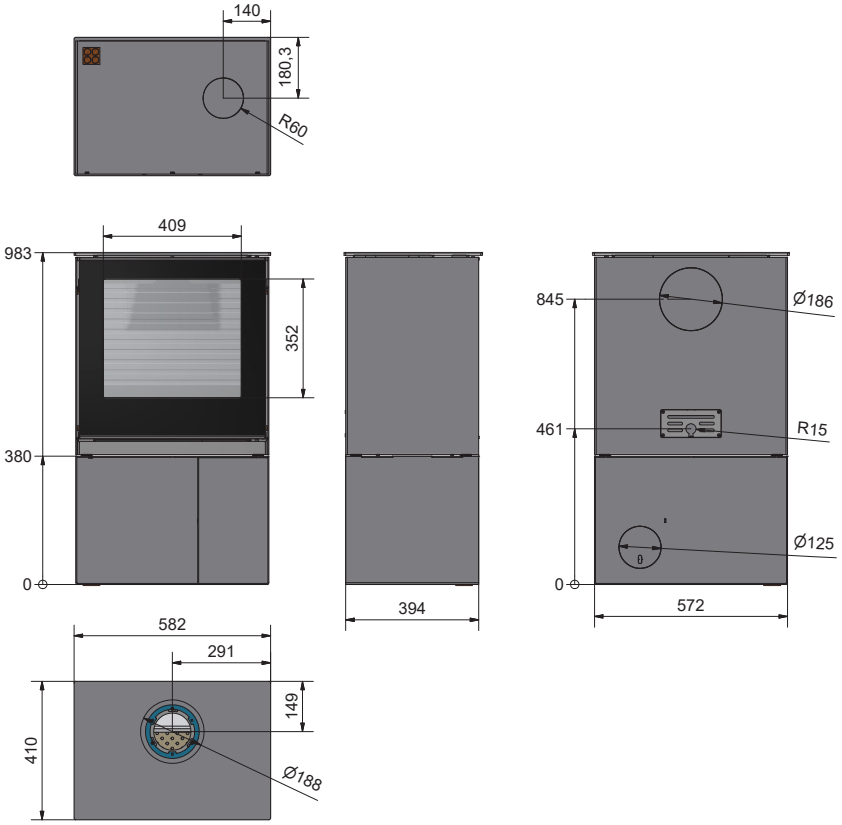
Q-TEE II - 76 CM LEGS



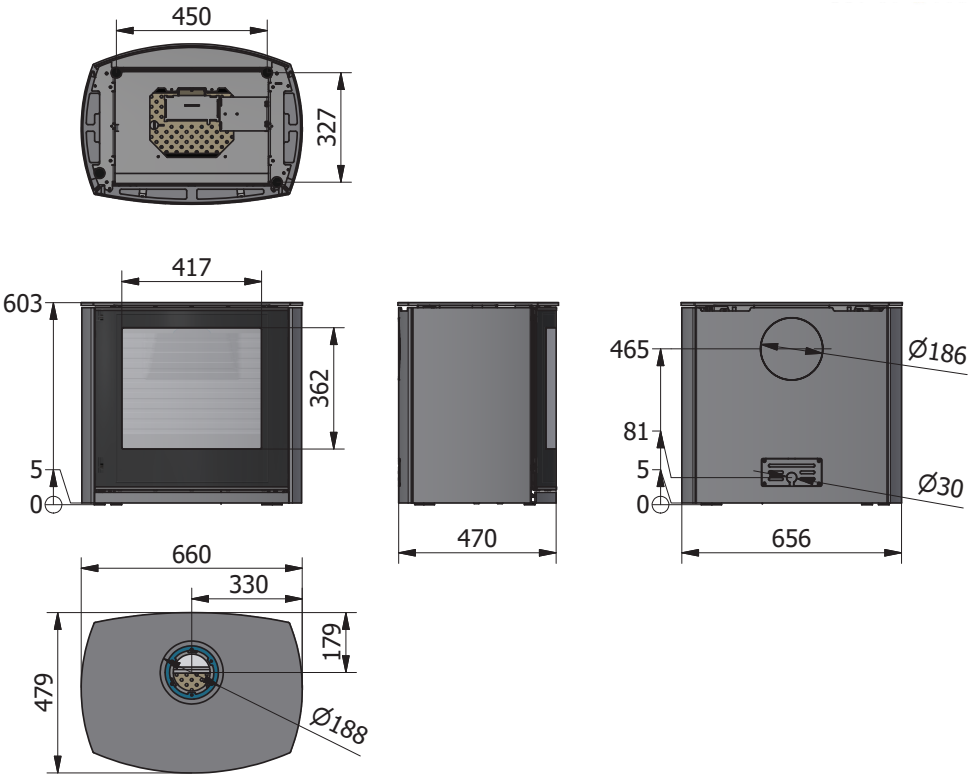
Q-TEE II - 88 CM BASE



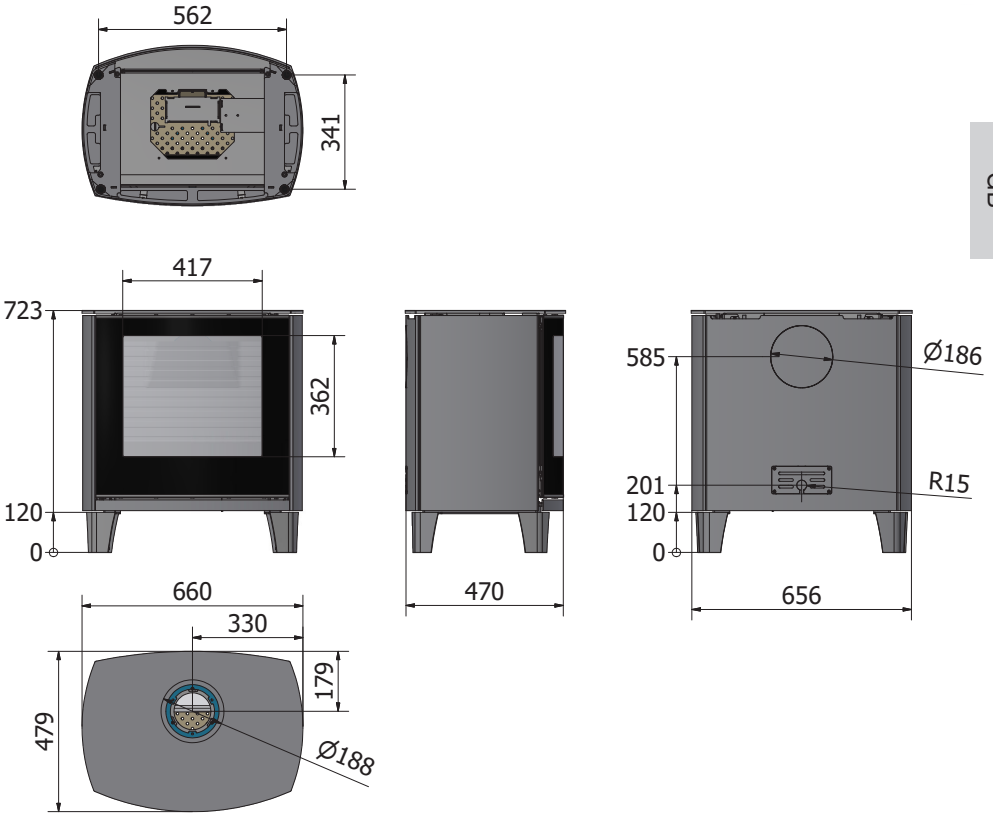
Q-TEE II - 92 CM BASE



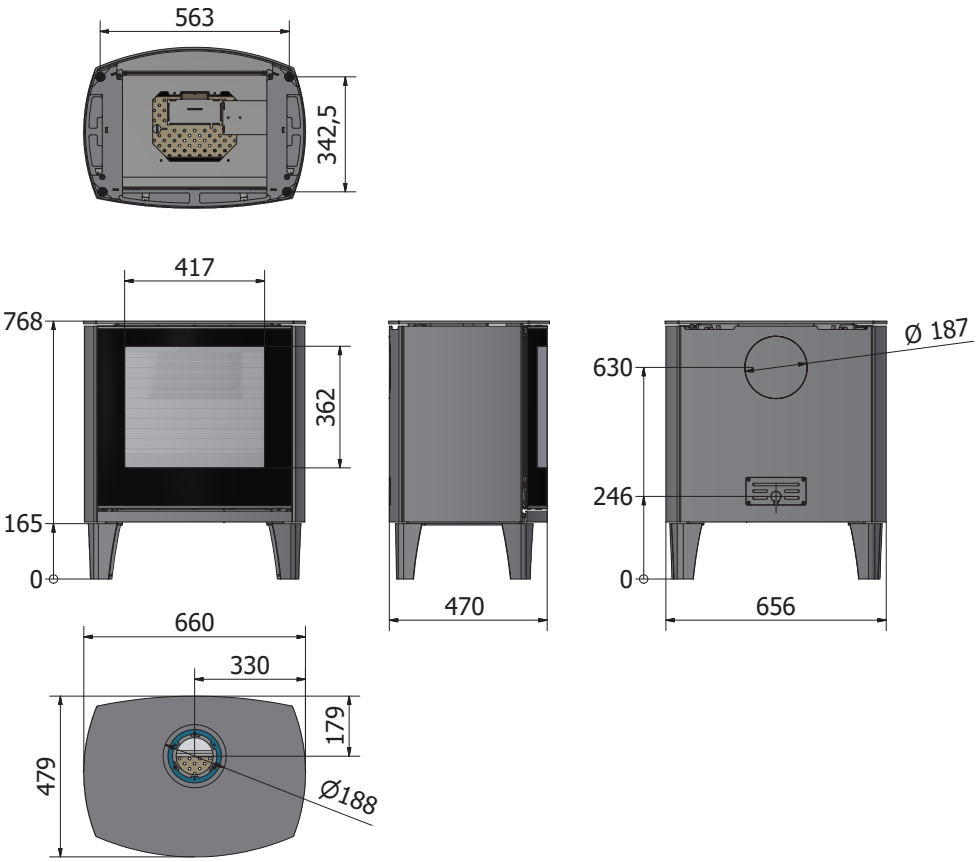
Q-TEE II C - 60 CM BASIC



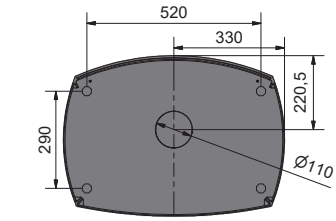
Q-TEE II C - 72 CM LEGS

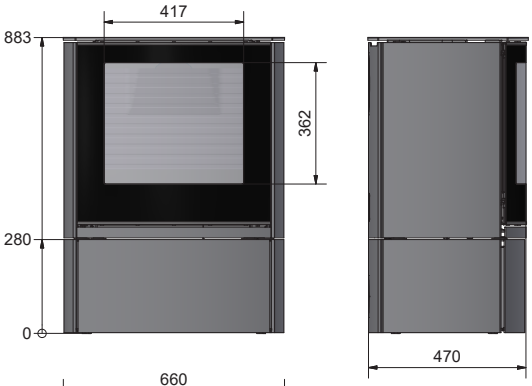


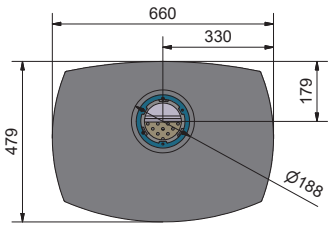
Q-TEE II C - 76 CM LEGS



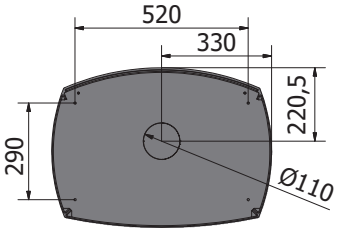
Q-TEE II C - 88 CM BASE

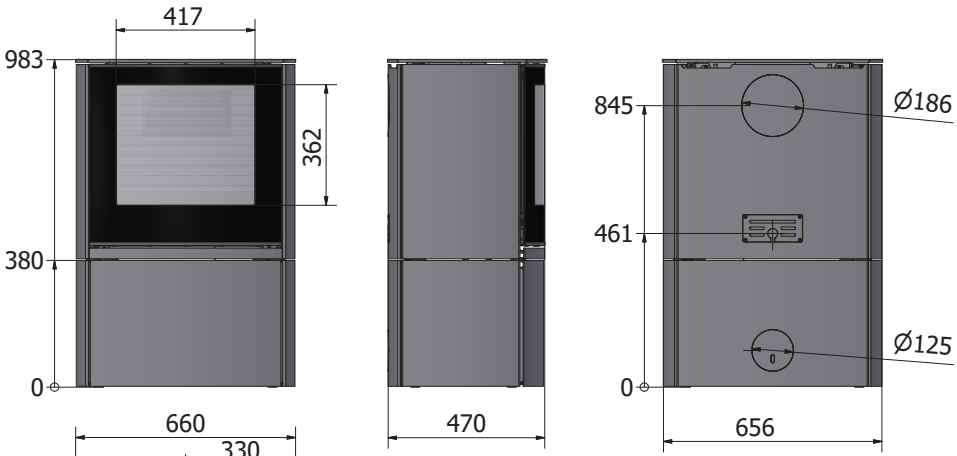


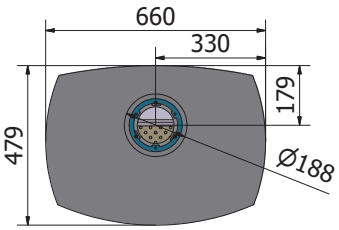




Q-TEE II C - 98 CM BASE







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