

LIVING FIRE

by SPARTHERM®



ASSEMBLY MANUAL

COVER PANELS SLS

STATUS 08.2025

Document information

Assembly manual for cover panels of the Spartherm Lean Series (SLS):

- Saphir
- Zirkon

The descriptions are identical for all above-mentioned models. Any differences will be addressed explicitly. Figures show the cover panels "Saphir" and "Zirkon".

The cover panel is referred to as the "unit" in this manual. The full system including the fireplace insert, thermal storage medium, pipes and chimney is referred to as the "stove system".

This manual only applies to the specified cover panels. All requirements and activities relating to the fireplace are described in the applicable documents:

- Assembly and operating manual for Premium & Lean fireplace inserts
- Manual for the fireplace insert accessories
- "Technical drawing"

Safety information

DANGER!

Information marked with the word DANGER indicates a dangerous situation that will lead to severe injuries or death.

WARNING!

Information marked with the word WARNING indicates a dangerous situation that may lead to severe injuries or death.

CAUTION!

Information marked with the word CAUTION indicates a situation that may lead to minor to medium injuries.

ATTENTION!

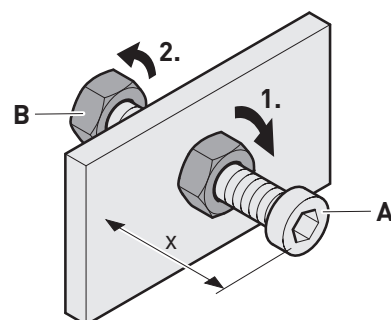
Information marked with the word ATTENTION indicates a situation that may lead to property or environmental damage.

Symbol explanation for text

- Action prompt
- List
- ✓ Check
- 💡 Advice or recommendation
- § Indication of standards or directives
- ➡ Reference to other sections of this document
- 📖 Reference to other sources to be taken into account

Symbol explanation for images

Fig. no.



-  Highlighting of sections requiring action
- 1.** Numbered action steps
- A** Component designation or dimensions
- x** Dimensions in mm
-  Movement and direction arrows

Table of contents

1. Safety information	4	7. Appendix	61
1.1 Intended use	4	7.1 Accessories	61
1.2 Authorised target groups	4	7.2 Standards and regulations	61
1.2.1 Manufacturer	4	7.3 Declarations of conformity	61
1.2.2 Owner	4	7.4 Fire protection drawings	62
1.2.3 Qualified personnel	4	7.4.1 Saphir	62
1.2.4 Users	4	7.4.2 Zirkon	63
1.3 Behaviour in emergencies	5		
1.4 Chimney fire	5		
1.5 General safety information	5		
2. Product information	6		
2.1 Models	6		
2.2 Layout variants	6		
2.3 Product overview	7		
2.3.1 Saphir	7		
2.3.2 Zirkon	8		
2.4 Scope of delivery	9		
2.4.1 Saphir	9		
2.4.2 Zirkon	10		
2.5 Technical data	12		
2.6 Type plate	14		
2.7 Dimensions	15		
2.7.1 Saphir	15		
2.7.2 Zirkon	16		
3. Assembly	17		
3.1 Safety information for assembly	17		
3.2 Requirements for assembly	17		
3.3 Requirements for the installation site	17		
3.3.1 Installation room	17		
3.3.2 Safety distances	18		
3.3.3 Installation dimensions	20		
3.4 Preparation for assembly	21		
3.5 Transporting the unit	21		
3.6 Unpacking the unit	22		
3.7 Adjusting the counterweight (optional)	22		
3.8 Determining the installation and flue gas routing	22		
3.9 Installation of Saphir	23		
3.10 Installation of Zirkon	39		
3.11 Installing the storage stones (optional)	55		
3.12 Completing assembly	57		
4. Cleaning	58		
5. Disassembly	59		
5.1 Safety information for disassembly	59		
5.2 Dismantling the unit	59		
6. Disposal	60		
6.1 Disposing of the packaging	60		
6.2 Disposing of the unit	60		

1. Safety information

1.1 Intended use

The unit is used to cover fireplace inserts from the “Lean” product series.

The following conditions apply to using the unit:

- Only the appropriately authorised target group may install the unit or perform other activities on the unit.
- The unit must be installed in a dry living space in an enclosed building.
- The requirements and safety information in these instructions are observed.
- The requirements and safety information of the additional applicable documents are observed.

Any other use is regarded as unintended use.

1.2 Authorised target groups

Authorised target groups are divided into groups of persons with different levels of authorisation.

1.2.1 Manufacturer

The manufacturer and the manufacturer's agents have the following tasks:

- Delivery of a ready-for-installation unit.
- Setting the unit to its factory settings.
- Instructing the owner in the intended use of the unit.

1.2.2 Owner

The owner is responsible for the building in which the unit is used.

The owner has the following tasks:

- Meeting the requirements for the installation site.
- Ensuring that the unit is always in perfect technical condition.
- Adhering to cleaning and maintenance requirements.
- Instructing the users.
- Providing and adhering to these instructions.

1.2.3 Qualified personnel

Qualified personnel is responsible for installation, commissioning, maintenance, disassembly and disposal.

Requirements for qualified personnel:

- Practical professional experience or professional training regarding gas, water and heating systems.
- Experience in installing and maintaining stove systems.
- Experience in the use of electrical and mechanical tools.
- Familiarity with occupational health and safety regulations.
- Knowledge of how to read technical drawings.
- Familiarity with these instructions.
- Documentation of the work performed.

Electrical work may only be performed by qualified electricians.

§ DIN VDE 0100

Requirements for qualified electricians:

- Familiarity with the basics of electrical engineering.
- Familiarity with country-specific regulations and standards.
- Familiarity with the relevant safety regulations.
- Familiarity with these instructions.

1.2.4 Users

Instructed users perform work during use, cleaning and service work.

Requirements for instructed users:

- The users have been instructed in the safe and intended use of the unit.
- The users have been instructed with regard to their work by the owner.
- Familiarity with these instructions.

Special requirements apply to the following users:

- Children age 8 and over.
- Persons with decreased physical, sensory or mental capabilities.
- Persons with a lack of experience and knowledge.

These users may only use the unit under the following conditions:

- The users are supervised.
- The users have been instructed in the safe use of the unit.
- The users understand the dangers of handling the unit.
- Children may not play with the unit.

Children and pets must be supervised at all times and must be kept away from the unit.

💡 We recommend attaching a fixture to protect this group (e.g. in front of hot unit components).

1.3 Behaviour in emergencies

- ▶ Never put yourself at risk of death.

If it is possible without endangering yourself:

- ▶ Warn others.
- ▶ Instruct others to leave the building.
- ▶ Deactivate the unit.

1.4 Chimney fire

The chimney requires regular cleaning (e.g. in Germany by the district chimney sweep) to prevent formation of a layer of soot in the chimney.

Burning wood may generate sparks that can enter the chimney where they may ignite the layer of soot.

Signs of a burning chimney:

- Flames emerge from the mouth of the chimney.
- A large amount of flying sparks.
- Smoke and unpleasant odours.
- Chimney sides grow very hot.

In the event of a chimney fire:

- ▶ Alert the fire brigade by calling the emergency services number.
- ▶ Remove flammable objects from the vicinity of the chimney.

Never attempt to extinguish the fire with water!

High temperatures will generate extreme amounts of steam even from a small amount of water. The resulting pressure can be a danger to people and can damage buildings or the stove system.

1.5 General safety information

WARNING!

Danger due to non-observance of the operating and assembly instructions!

These instructions contain important information on how to safely handle the unit. Potential dangers are pointed out explicitly. Non-observance can lead to severe injuries or death.

- ▶ Carefully read these instructions.
- ▶ Adhere to the safety information in these instructions.
- ▶ Keep the instructions in an accessible place.

To ensure safe use of the unit and a long service life and to avoid damage, adhere to the following:

- Observe this manual and all other applicable documents.
- Use the unit as intended and only allow authorised target groups to use it.
- Always handle the unit correctly.
- Have the unit installed and repaired by authorised experts.
- Only use spare parts manufactured or approved by the manufacturer.
- Adhere to maintenance and cleaning intervals.

The unit may not be used in the following cases:

- If the responsible authorities have not given their approval.
- If the unit or individual components are damaged.
- If unauthorised modifications or changes have been made to the unit.
- After improper repairs.
- If safety devices are missing or not functional.
- In garages, stairwells or hallways accessible by the general public.
- In areas at risk of explosion.

Depending on the work, always adhere to additional relevant safety instructions. The safety instructions can be found in the corresponding chapter of these instructions.

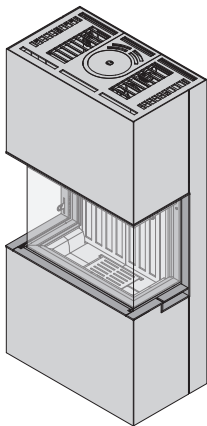
- ➡ “3.1 Safety information for assembly” (page 17).
- ➡ “5.1 Safety information for disassembly” (page 59).

2. Product information

2.1 Models

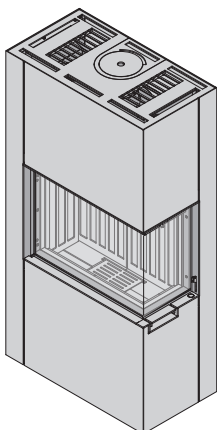
The Spartherm Lean Series (SLS) cover panels are available in various designs.

2.1 / 1



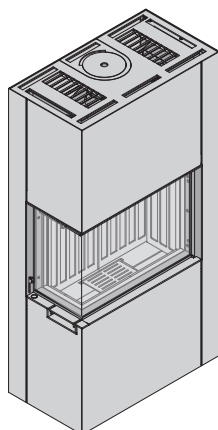
Saphir

2.1 / 2



Zirkon 2R

2.1 / 3

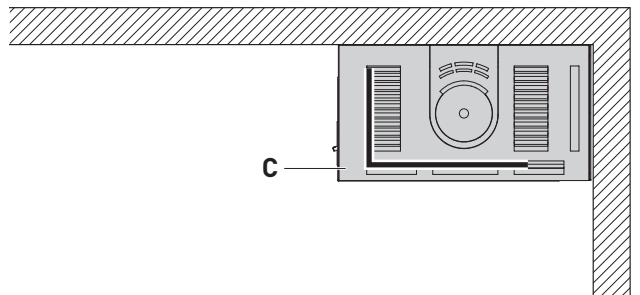
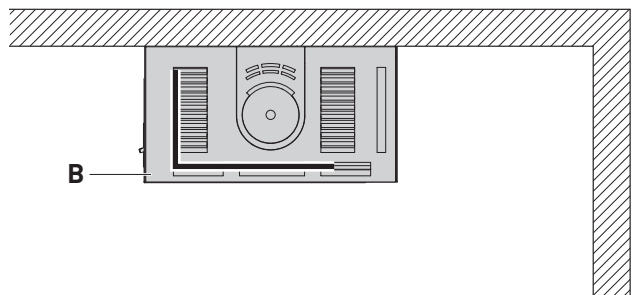
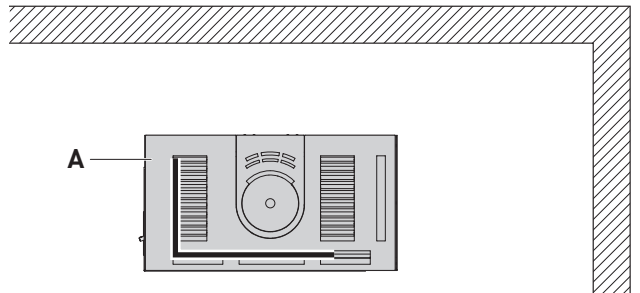


Zirkon 2L

2.2 Layout variants

There are a variety of options for installing the unit.

2.2 / 1



- A** Freestanding installation:
 - Rear wall coated.
 - Sidewall coated.
- B** Installation flush with wall:
 - Rear wall not coated.
 - Sidewall coated.
- C** Installation flush with corner (not for Saphir model):
 - Rear wall not coated.
 - Sidewall not coated.

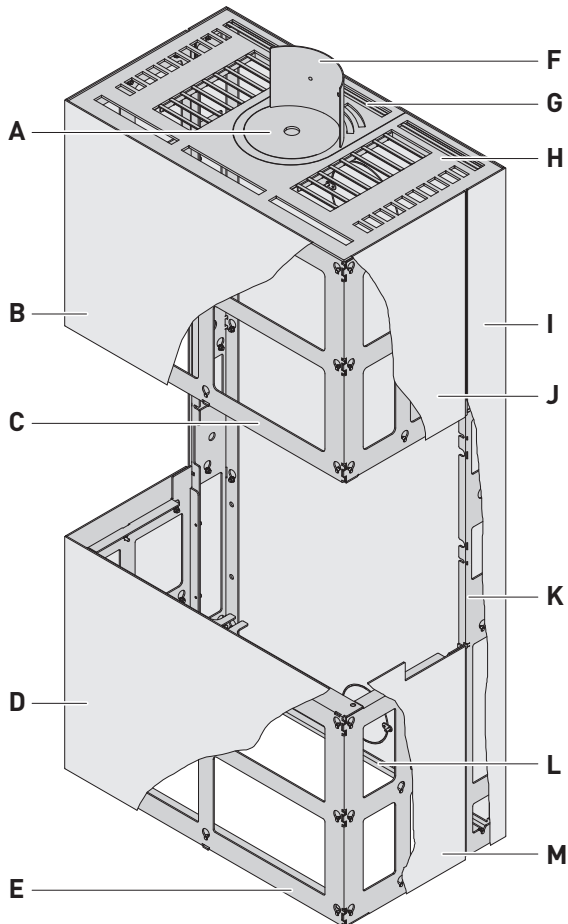
The following factors vary based on the layout variant:

- Design of the rear wall cover panel
- Design of the sidewall cover panel
- Design of the cover panel elements
- Dimensions of the cover panel elements
- Installation of heat baffle plates
- Design of the heat baffle plates
- Installation of guide plates
- Distance between the unit and walls

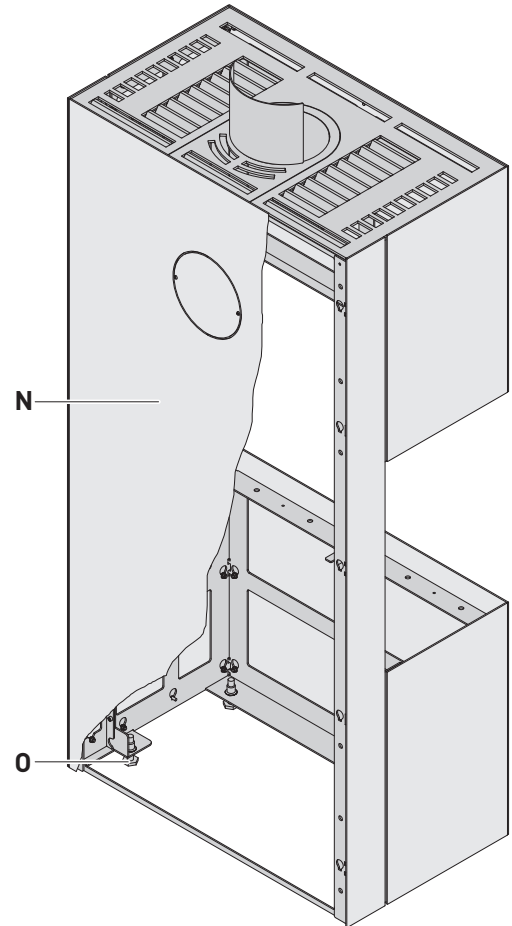
2.3 Product overview

2.3.1 Saphir

2.3.1 / 1



2.3.1 / 2



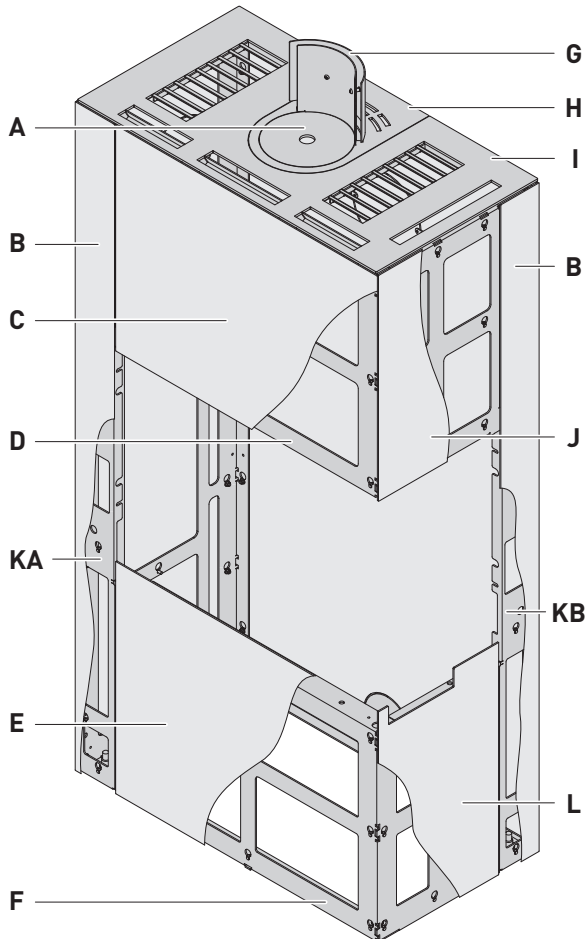
- N Rear wall cover panel (optional)
- O Adjustable leg

- A Blind cover for top flue gas outlet
- B Cover panel element (front-top)
- C Support frame (front-top)
- D Cover panel element (front-bottom)
- E Support frame (front-bottom)
- F Heat baffle hood for upward flue gas outlet
- G Flue pipe lead-through
- H Top plate
- I Cover panel element (side-rear)
- J Cover panel element (side-top)
- K Support frame (side-rear)
- L Connecting strut
- M Cover panel element (side-bottom)

Product information

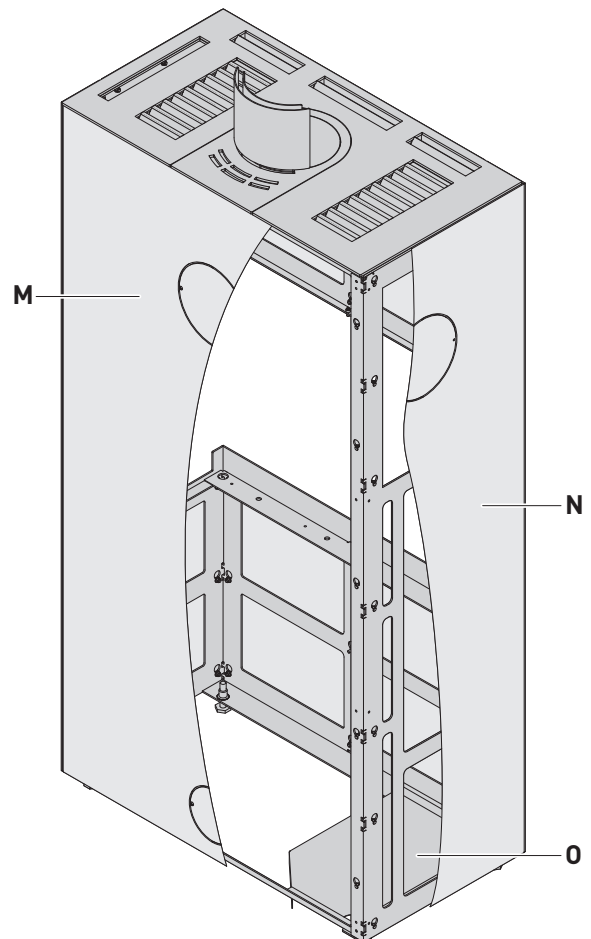
2.3.2 Zirkon

2.3.2 / 1



- A** Blind cover for top flue gas outlet
- B** Cover panel element (side-front)
- C** Cover panel element (front-top)
- D** Support frame (front-top)
- E** Cover panel element (front-bottom)
- F** Support frame (front-bottom)
- G** Heat baffle hood for upward flue gas outlet
- H** Flue pipe lead-through
- I** Top plate
- J** Cover panel element (side-top)
- KA** Support frame (side)
- KB** Support frame (rear)
- L** Cover panel element (side-bottom)

2.3.2 / 2



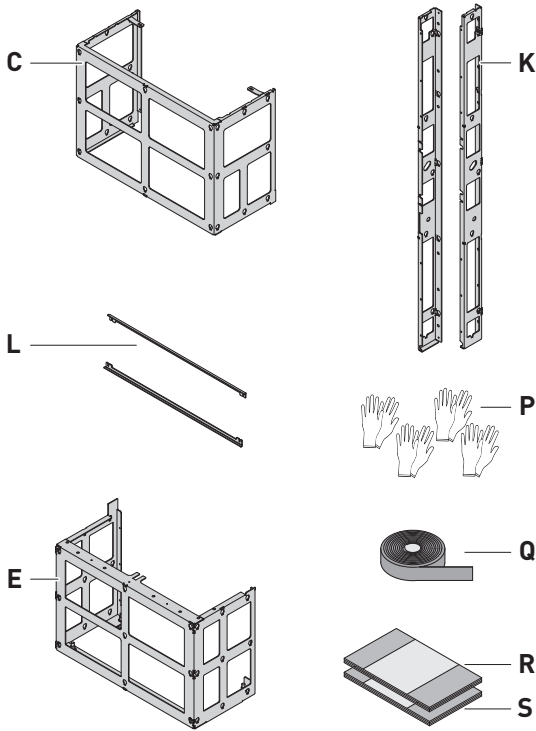
- M** Heat baffle (rear) ¹
- N** Heat baffle (side) ¹
- O** Air guide plate (only for installation flush with corner)

¹ Optional as sidewall cover panel

2.4 Scope of delivery

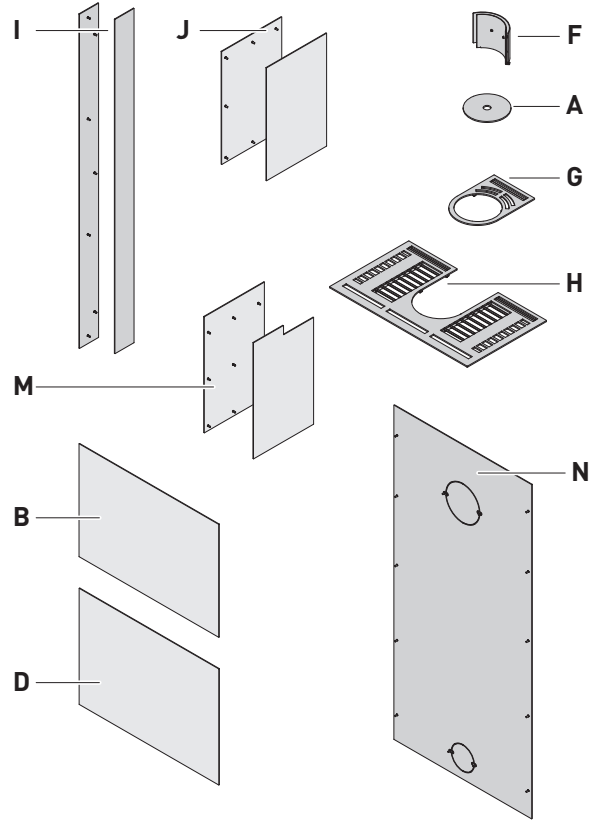
2.4.1 Saphir

2.4.1 / 1



- C** Support frame (front-top)
- E** Support frame (front-bottom)
- K** Support frame (side-rear)
- L** Connecting strut
- P** Cotton gloves
- Q** Hollow chamber seal, self-adhesive
- R** Assembly manual
- S** Operating manual

2.4.1 / 2



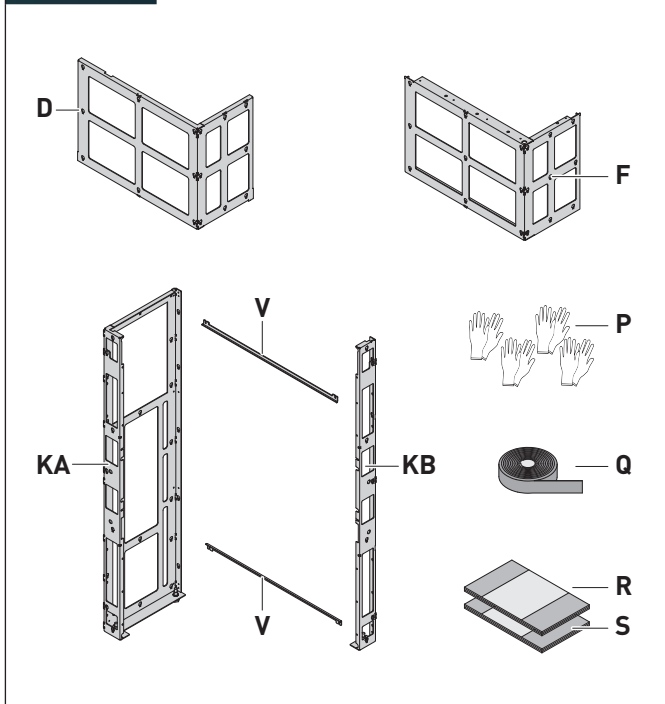
- A** Blind cover for top flue gas outlet
- B** Cover panel element (front-top)
- D** Cover panel element (front-bottom)
- F** Heat baffle hood for upward flue gas outlet
- G** Flue pipe lead-through
- H** Top plate
- I** Cover panel element (side-rear)
- J** Cover panel element (side-top)
- M** Cover panel element (side-bottom)
- N** Rear wall cover panel (optional)

Product information

2.4.2 Zirkon

All layout variants:

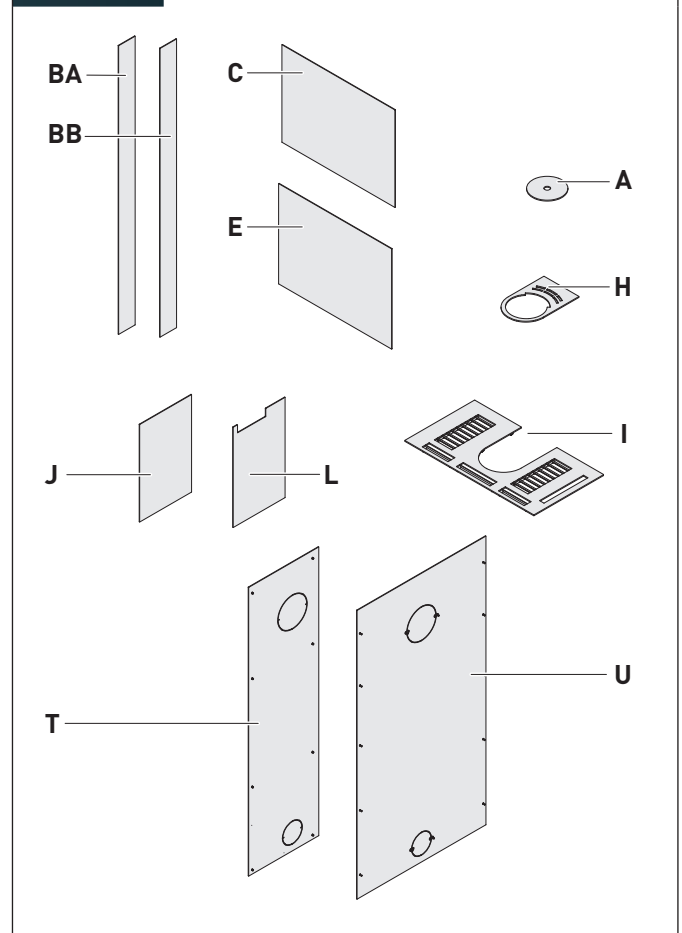
2.4.2 / 1



- D** Support frame (front-top)
- F** Support frame (front-bottom)
- KA** Support frame (side)
- KB** Support frame (rear)
- P** Cotton gloves
- Q** Hollow chamber seal, self-adhesive
- R** Assembly manual
- S** Operating manuals
- V** Connecting strut

Additionally, for freestanding installation:

2.4.2 / 2

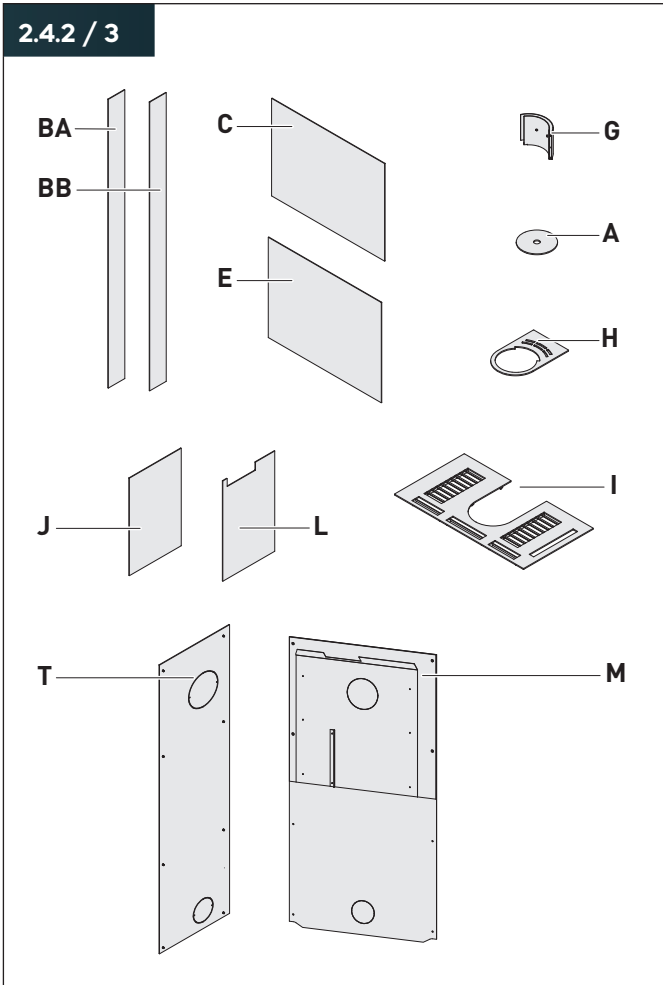


- A** Blind cover for top flue gas outlet¹
- BA** Cover panel element (side - long 108 mm)
- BB** Cover panel element (side - long, 104 mm)
- C** Cover panel element (front-top)
- E** Cover panel element (front-bottom)
- H** Flue pipe lead-through
- I** Top plate
- J** Cover panel element (side-top)
- L** Cover panel element (side-bottom)
- T** Sidewall cover panel
- U** Rear wall panel

¹ Only when ordering flue gas routing to the rear or side.

In addition, for installation flush with wall:

2.4.2 / 3

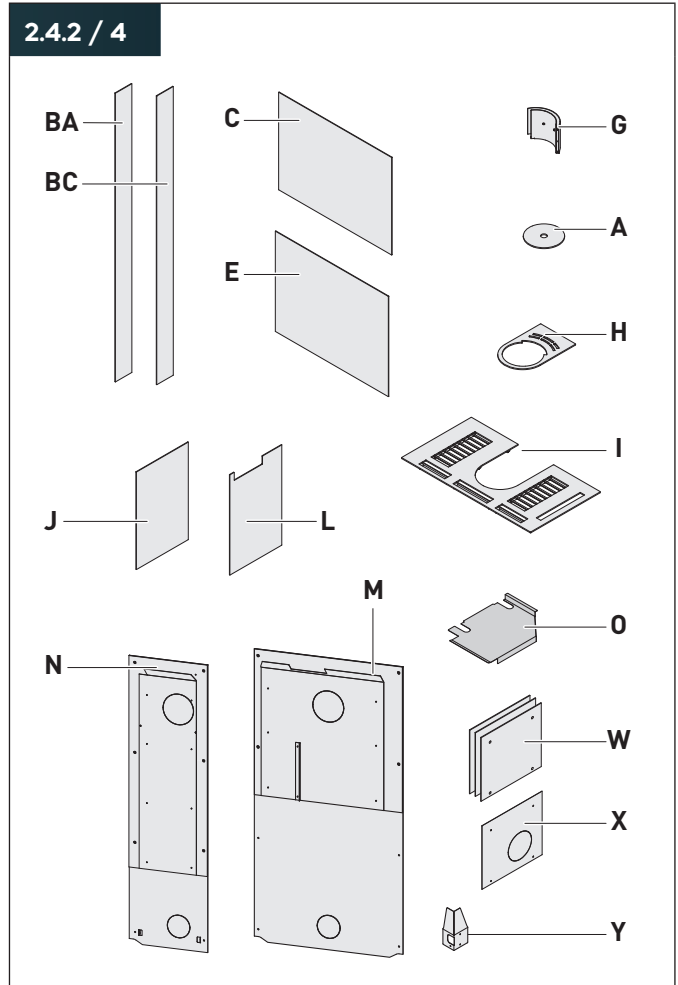


- A** Blind cover for top flue gas outlet¹
- BA** Cover panel element (side - long 108 mm)
- BB** Cover panel element (side - long, 104 mm)
- C** Cover panel element (front-top)
- E** Cover panel element (front-bottom)
- G** Heat baffle hood for upward flue gas outlet
- H** Flue pipe lead-through
- I** Top plate
- J** Cover panel element (side-top)
- L** Cover panel element (side-bottom)
- M** Heat baffle (rear)
- T** Sidewall cover panel

¹ Only when ordering flue gas routing to the rear or side.

In addition, for installation flush with corner:

2.4.2 / 4



- A** Blind cover for top flue gas outlet¹
- BA** Cover panel element (side - long 108 mm)
- BC** Cover panel element (side - long, 121 mm)
- C** Cover panel element (front-top)
- E** Cover panel element (front-bottom)
- G** Heat baffle hood for upward flue gas outlet²
- H** Flue pipe lead-through
- I** Top plate
- J** Cover panel element (side-top)
- L** Cover panel element (side-bottom)
- M** Heat baffle (rear)
- N** Heat baffle (side)
- O** Air guide plate
- W** Heat baffle (side) - 3x insulation plates for end plate
- X** Heat baffle (side) - end plate
- Y** Heat baffle corner connector³

¹ Only when ordering flue gas routing to the rear or side.

² Only when ordering flue gas routing to the top.

³ Factory pre-installed on the support frame (rear) (**KA**)

Product information

2.5 Technical data

STD Standard (without optional accessories)
NEO With combustion control S-Thermatik NEO (optional)

Saphir

General information	STD	NEO
Suitable for permanent combustion [CON]	no	no
Suitable for time-limited combustion [INT]	yes	yes
Nominal heat output [P _{nom}]	kW 7.5	7.2
Nominal room heating capacity [P _{SHnom}]	kW 7.5	7.2
Minimum delivery pressure at nominal heat output [p _{nom}]	Pa 12	12
Chimney designation according to the relevant chimney standard [T class]	T400 -G	T400 -G
Heat output range	kW 5.3 – 9.8	5.0 – 9.4
Efficiency [η _{Wnom}]	% 81	81
Annual use efficiency for room heating at nominal heat output [η _s]	% 71	71
Energy efficiency index [EEI]	107	107
Exhaust mass flow at nominal heat output [Φ _{fgnom}]	g/s 6.3	6.1
Temperature on flue gas connection at nominal heat output [T _{snom}]	°C 311	301
Average CO ₂ content	% 9.9	9.8
Combustion air requirement for room air dependent operation	m ³ /h 15	15
Minimum size of installation space (only for room air sealed units)	m ³ 40	–
Emissions at nominal heat output [13 % O ₂]		
Dust [PM _{nom}]	mg/m ³ 24	29
CO [CO _{nom}]	mg/m ³ 1216	1027
NO _x [NO _{xnom}]	mg/m ³ 104	117
OGC [OGC _{nom}]	mg/m ³ 81	69
Max. fuelling volume, hardwood	kg/h 2.2	2.1
Max. fuelling volume, compressed wood	kg/h 1.9	1.8
Mass [m]	kg 330	331
Maximum load of a chimney that the unit can bear [m _{chim}]	kg 50	50
End of testing cycle	CO ₂ / mass	Mass
Mass of base embers	% / g < 100	< 100

Units with S-Thermatik NEO (optional)

Consumption of electric auxiliary energy		
at nominal heat output [el _{max}]	W	4.0
at minimum heat output [el _{min}]	W	4.0
in stand-by condition [el _{SB}]	W	3.0
Supply voltage [E]	V	230
Frequency [f]	Hz	50
Maximum electrical power consumption [W _{max}]	W	5.0

Dimensions

	mm
Minimum distances.	
from the rear side to flammable materials [d _R]	0
from the sides to flammable materials [d _S]	–
from the top to flammable materials in the ceiling [d _C]	750
from the front pane to flammable materials [d _P]	800
from the side panes to flammable materials [d _{PS}]	800
from the front to flammable materials in the front bottom radiation area [d _F]	0
from the front to flammable materials in the front, side radiation area [d _L]	0
under the floor (without feet) to flammable materials [d _B]	35
to non-flammable materials [d _{non}]	0
Protective insulation according to manufacturer's specifications [s]	–
Diameter of flue gas connection [d _{out}]	150

Symbols

Read and follow instructions	
Only use recommended types of fuel	

Adhere to the fire protection drawing.

➡ “7.4.1 Saphir” (page 62).

For fireplace inserts with optional equipment (e.g. combustion control or electric door lift), the information in the associated document must be observed.

- 📖 Assembly and operating manual for Premium & Lean fireplace inserts
- 📖 Manual for the fireplace insert accessories
- 📖 “Technical drawing”

Zirkon

General information	STD	NEO
Suitable for permanent combustion [CON]	no	no
Suitable for time-limited combustion [INT]	yes	yes
Nominal heat output [P _{nom}]	kW	7.9
Nominal room heating capacity [P _{SHnom}]	kW	7.9
Minimum delivery pressure at nominal heat output [p _{nom}]	Pa	12
Chimney designation according to the relevant chimney standard [T class]	T400 -G	T400 -G
Heat output range	kW	5.5 – 10.3
Efficiency [η _{Wnom}]	%	81
Annual use efficiency for room heating at nominal heat output [η _s]	%	71
Energy efficiency index [EEI]		107
Exhaust mass flow at nominal heat output [φ _{fgnom}]	g/s	7.2
Temperature on flue gas connection at nominal heat output [T _{snom}]	°C	300
Average CO ₂ content	%	9.3
Combustion air requirement for room air dependent operation	m ³ /h	17
Minimum size of installation space (only for room air sealed units)	m ³	40
Emissions at nominal heat output [13 % O ₂]		
Dust [PM _{nom}]	mg/m ³	39
CO [CO _{nom}]	mg/m ³	829
NO _x [NO _{xnom}]	mg/m ³	119
OGC [OGC _{nom}]	mg/m ³	71
Max. fuelling volume, hardwood	kg/h	2.4
Max. fuelling volume, compressed wood	kg/h	2.0
Mass [m]	kg	320
Maximum load of a chimney that the unit can bear [m _{chim}]	kg	50
End of testing cycle	CO ₂ / mass	Mass
Mass of base embers	% / g	< 100

Units with S-Thermatik NEO (optional)

Consumption of electric auxiliary energy		
at nominal heat output [el _{max}]	W	4.0
at minimum heat output [el _{min}]	W	4.0
in stand-by condition [el _{SB}]	W	3.0
Supply voltage [E]	V	230
Frequency [f]	Hz	50
Maximum electrical power consumption [W _{max}]	W	5.0

Dimensions

Dimensions	mm
Minimum distances.	
from the rear side to flammable materials [d _R]	0
from the sides to flammable materials [d _S]	0
from the top to flammable materials in the ceiling [d _C]	750
from the front pane to flammable materials [d _P]	1100
from the side pane to flammable materials [d _{PS}]	800
from the front to flammable materials in the front bottom radiation area [d _F]	0
from the front to flammable materials in the front side radiation area [d _L]	480
under the floor (without feet) to flammable materials [d _B]	25
to non-flammable materials [d _{non}]	0
Protective insulation according to manufacturer's specifications [s]	30
Diameter of flue gas connection [d _{out}]	150

Symbols

Read and follow instructions	
Only use recommended types of fuel	

Adhere to the fire protection drawing.

➡ “7.4.2 Zirkon” (page 63).

For fireplace inserts with optional equipment (e.g. combustion control or electric door lift), the information in the associated document must be observed.

- 📖 Assembly and operating manual for Premium & Lean fireplace inserts
- 📖 Manual for the fireplace insert accessories
- 📖 “Technical drawing”

2.6 Type plate

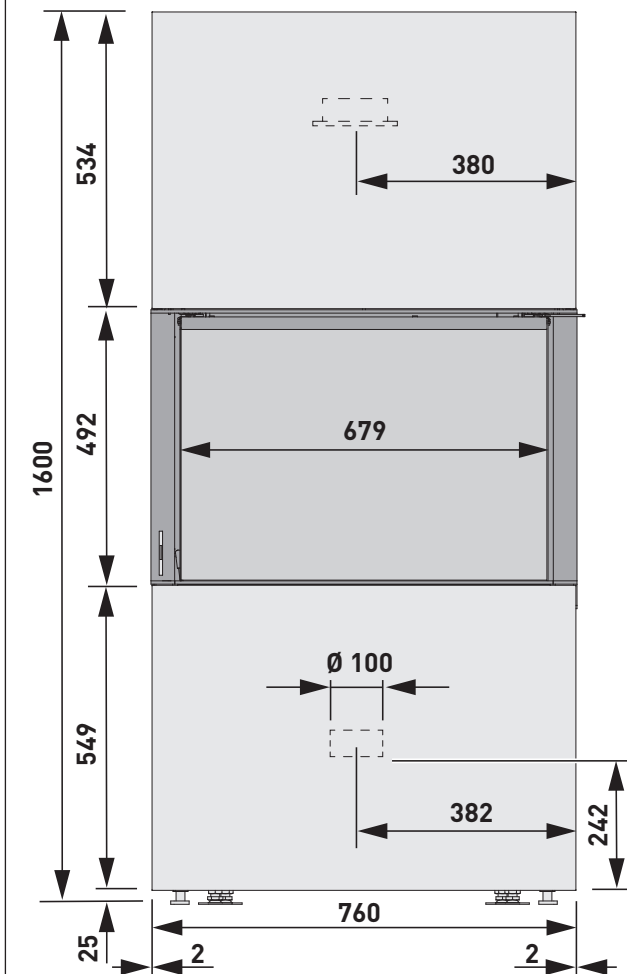
Information about the fireplace insert model (e.g. type, inspection number, year of manufacture) can be found on the type plate. The type plate is attached to the fireplace insert and shown on the warranty card.

- 📄 Assembly and operating manual for "Premium & Lean fireplace inserts"
- 📄 Warranty card fireplace insert

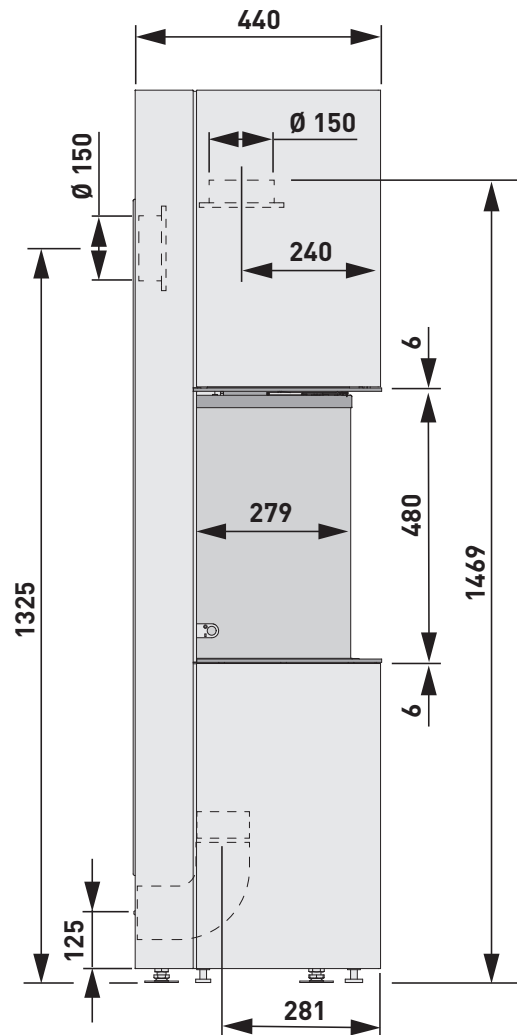
2.7 Dimensions

2.7.1 Saphir

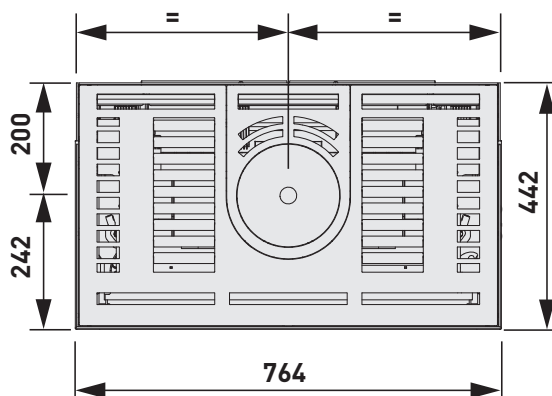
2.7.1 / 1



2.7.1 / 3



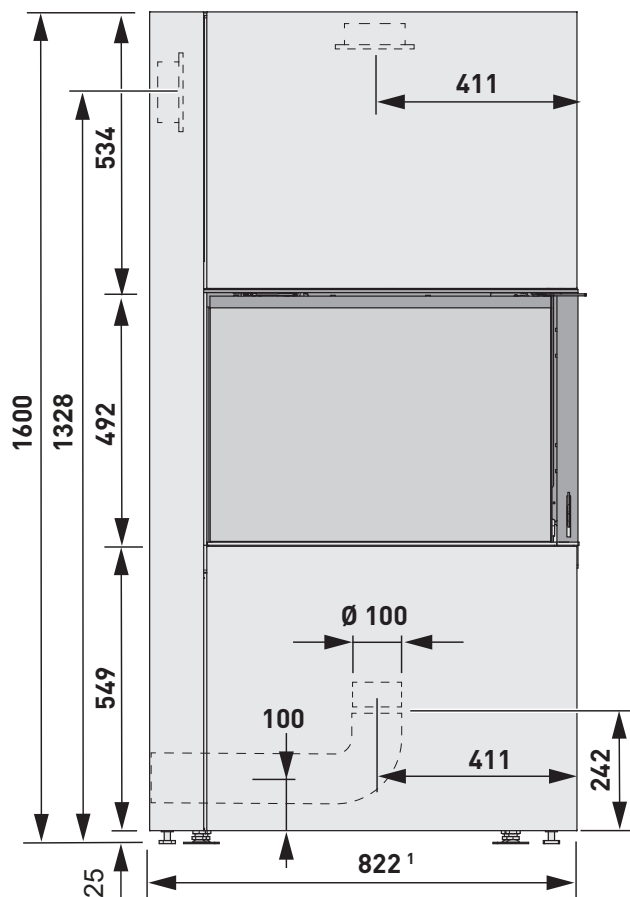
2.7.1 / 2



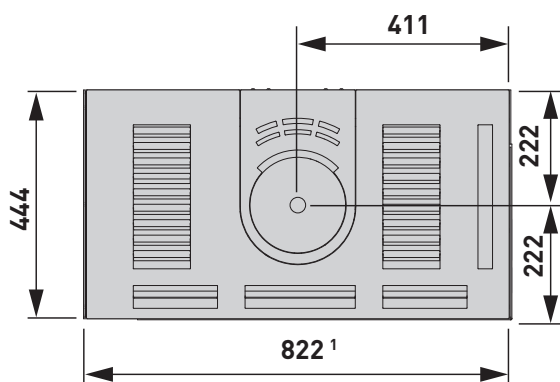
Product information

2.7.2 Zirkon

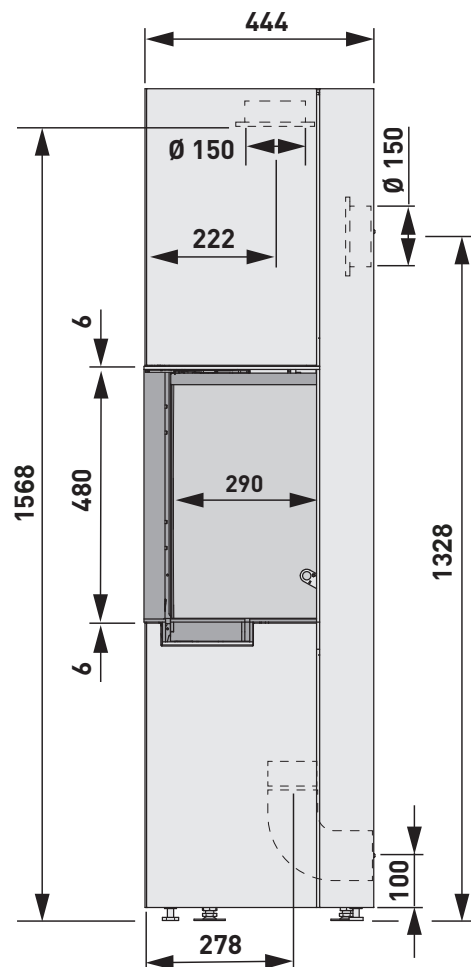
2.7.2 / 1



2.7.2 / 2



2.7.2 / 3



¹ For installation flush with corner 837 mm

3. Assembly

3.1 Safety information for assembly

WARNING!

Danger due to non-adherence to assembly instructions!

Incorrect assembly of the unit may lead to severe injuries. This chapter contains important information for safe assembly of the unit.

- ▶ Carefully read this chapter prior to assembly.
- ▶ Adhere to the safety information.
- ▶ Perform the assembly work as described.

Only qualified personnel may assemble the unit.
Electrical work may only be performed by qualified electricians.

⇒ "1.2.3 Qualified personnel" (page 4).

The owner is responsible for meeting the requirements for the installation site.

⇒ "1.2.2 Owner" (page 4).

To prevent danger, always adhere to the following requirements:

- Do not store or deposit flammable materials or fluids on or near the unit.
- Do not position flammable objects (e.g. furniture, carpets, flowers) in front of the firebox opening.
- Ensure that the unit is undamaged and in perfect condition prior to assembly.
- Before assembling the unit, ensure that the prerequisites for assembly and the requirements for the installation site are met, in particular the legal requirements for fireplaces.
- Have two people perform assembly.

 To avoid damage to the surface, we recommend wearing cotton gloves during the complete assembly process.

3.2 Requirements for assembly

The stove system must be installed and operated according to the valid local, national and European standards and directives.

 Assembly and operating manual for Premium & Lean fireplace inserts

- ✓ The general technical approval has been given by the building authorities or the manufacturer has applied for it.

3.3 Requirements for the installation site

3.3.1 Installation room

- The installation room must be suitable for safe use.
- The installation room must be dry and protected against freezing.
- The unit must be protected against freezing and weather factors.
- The installation surface must have a suitable load-bearing capacity, keeping the weight of the unit in mind.
 - ➔ "2.2 Layout variants" (page 6).

If the available structure does not meet this condition, take suitable measures to ensure compliance (e.g. installing a plate for load distribution and use of load distributors installed in the floor screed).
- The installation surface must be level and horizontal.
- If the floor in front of the firebox door is flammable, it must be protected by a spark guard plate.
- A sufficient fresh air supply must be ensured by means of a ventilation opening to the outdoors (cross section at least 150 cm²) or by a combustion air network with other rooms.
- If air extracting units are used at the same time (e.g. extraction hoods, hot air systems, ventilating or exhaust air systems), a safety device or a unit certified for room air sealed use must be installed. The safety device must monitor the permissible underpressure in the installation room (deviation max. 15 Pa from outdoor) and prevent gases from entering the room. A general technical approval must have been given by the responsible authorities.

For the requirements on the flue gas routing and the combustion air pipe, the instructions for the fireplace insert must be observed.

 Assembly and operating manual for Premium & Lean fireplace inserts

3.3.2 Safety distances

⚠ WARNING!

Risk of fire resulting from non-adherence to safety distances!

Using the unit creates very high temperatures. Smoke and sparks may escape when opening the firebox door. Sensitive items near the unit may become damaged or deformed, may melt or catch fire.

- ▶ Ensure that the necessary safety distances are observed at all times.
- ▶ Ensure that flammable objects and materials (e.g. furniture, textiles) are located at a sufficient distance from the unit.

⚠ WARNING!

Risk of fire due to glass surfaces!

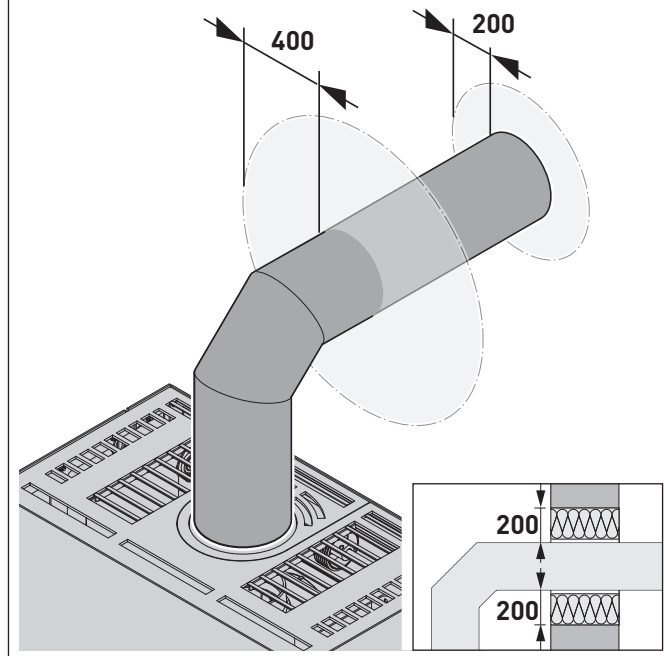
When operating the unit, heat radiation can become stronger due to glass surfaces (e.g. glasses, bottles, vases) and ignite flammable objects in the area.

- ▶ Ensure that there are no glass objects in the radiation area of the unit.
- ▶ Ensure that flammable objects and materials (e.g. furniture, textiles) are located at a sufficient distance from the unit.

Adhere to the fire protection drawings.

- ➔ "7.4 Fire protection drawings" (page 62).

3.3.2 / 1



- Area around the connection opening to the chimney: 200 mm.
- Distance of the connection pipe from walls or ceilings: 400 mm

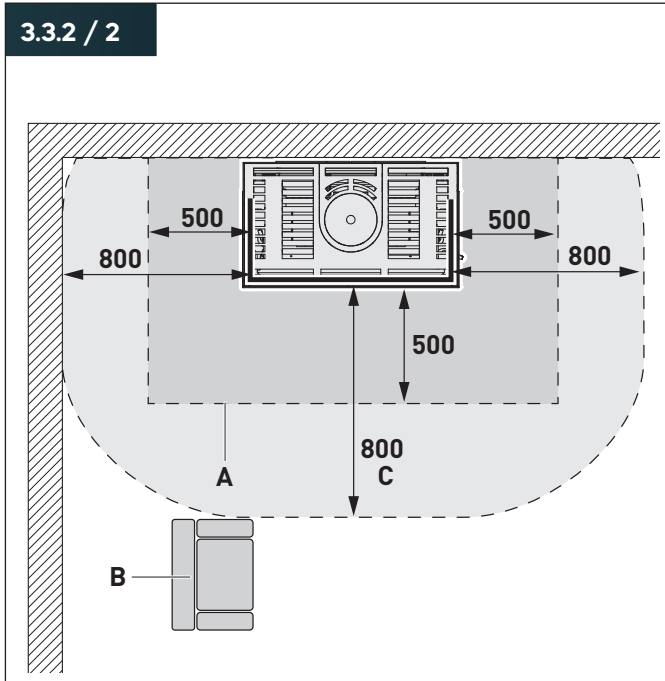
If the connection pipe is guided through ceilings or flammable walls, suitable construction material must be installed:

- Non-flammable.
- Low heat conductivity.
- 200 mm around the connection pipe.
- With building authority usability certificate.

- 💡 Complete systems for routing pipes through walls and ceilings with building authority usability certificates are commercially available.

Saphir

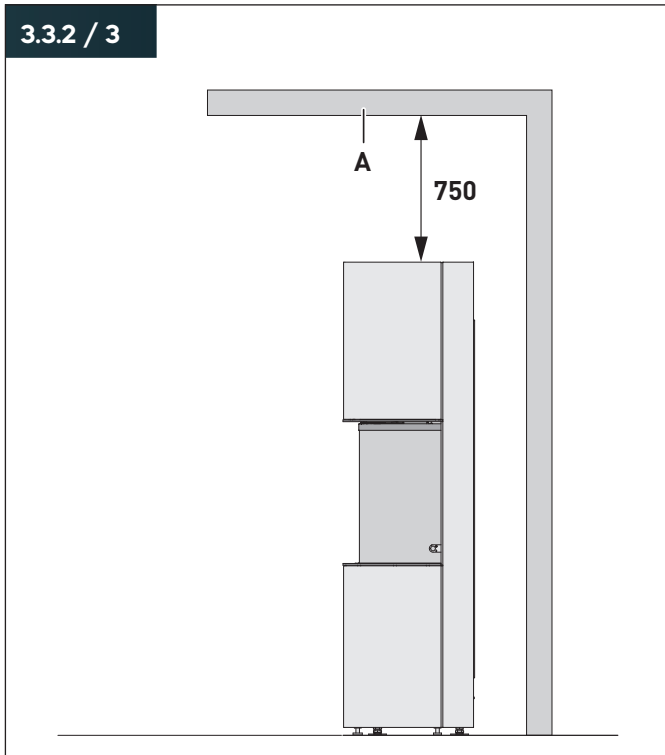
3.3.2 / 2



- A** Protective underlay (non-combustible floor covering)
- B** Flammable objects (e.g. armchair)
- C** Radiation area

Minimum distance from ceiling

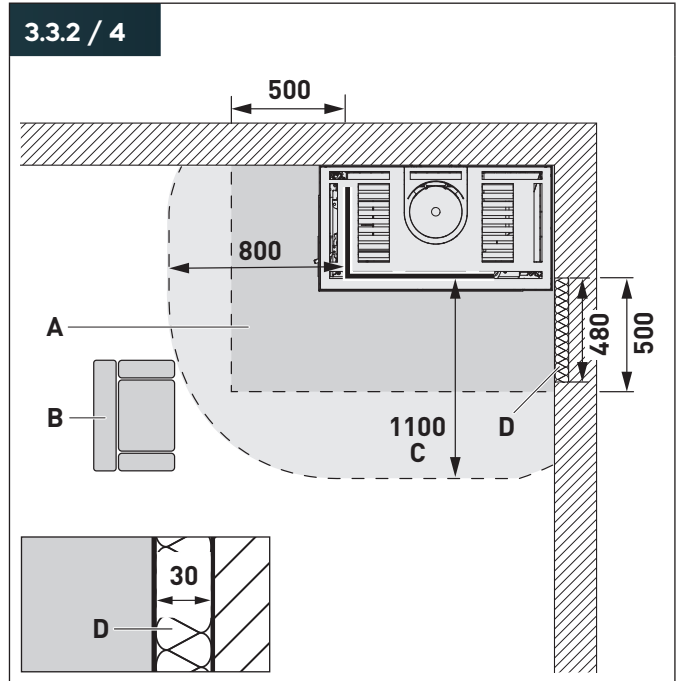
3.3.2 / 3



A Ceiling

Zirkon

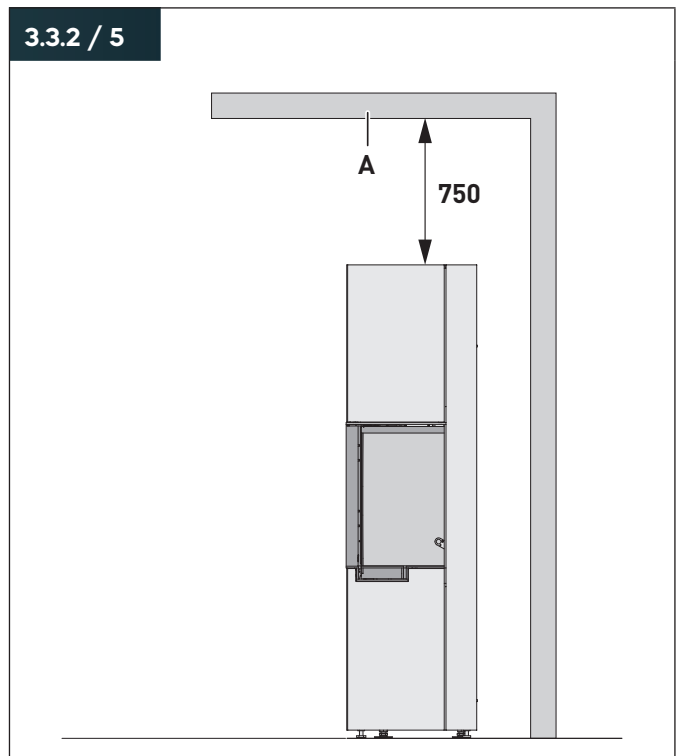
3.3.2 / 4



- A** Protective underlay (non-combustible floor covering)
- B** Flammable objects (e.g. armchair)
- C** Radiation area
- D** Insulation (calcium silicate)

Minimum distance from ceiling

3.3.2 / 5



A Ceiling

Assembly

3.3.3 Installation dimensions

Unit dimensions:

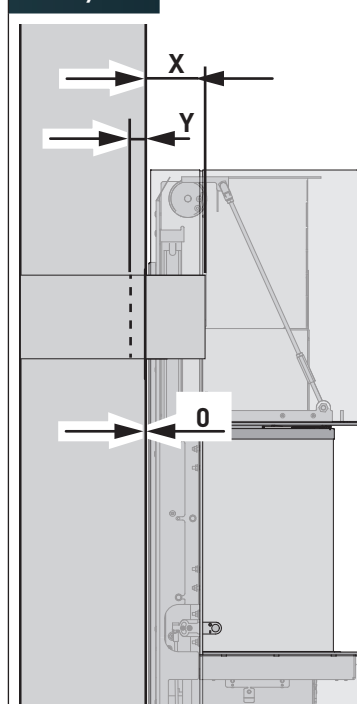
➔ "2.7 Dimensions" (page 15).

Flue pipe length to cover panel (X)		Saphir	Zirkon
Alignment to the rear		60	60
Alignment to the side	Freestanding installation		145
	Installation flush with wall		63
	Installation flush with corner		163

Installation flush with wall

- Installation flush with a wall on flammable walls (to be protected) with a heat transfer coefficient (U-value) of $>0.1 \text{ W/m}^2\text{K}$ is permitted.
- Prior to installation flush with flammable walls with a low heat transmission coefficient ($<0.1 \text{ W/m}^2\text{K}$), further fire safety measures are required (e.g. DIN 18896/2014, TROL or other country-specific requirements).
- The length of the flue gas pipe (DIN EN 1856-2) must be adjusted according to the type of installation.
- The insertion depth of the wall lining (Y) must be measured on site.

3.3.3 / 1

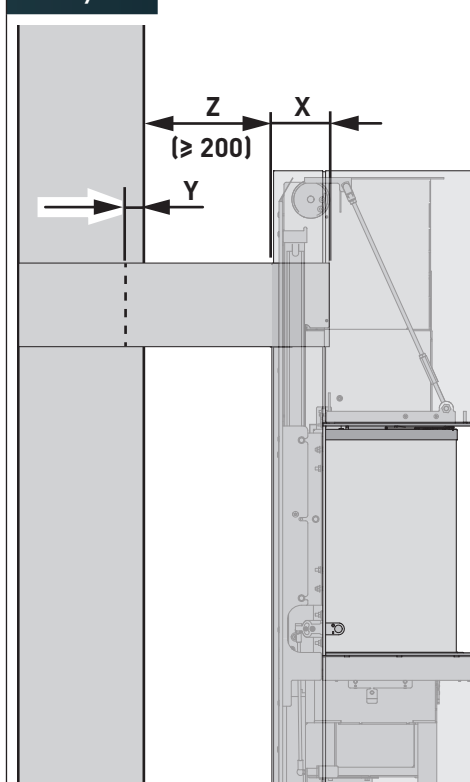


Length of flue gas pipe = X mm + Y mm (insertion depth of wall lining)

Freestanding installation

- Freestanding installation is only permitted with a minimum distance $\geq 200 \text{ mm}$ from the wall.
- The length of the flue gas pipe (DIN EN 1856-2) must be adjusted according to the type of installation.
- The insertion depth of the wall lining (Y) must be measured on site.
- The wall distance (Z) is determined on site.

3.3.3 / 2



Length of flue gas pipe = X mm + Z mm (wall distance) + Y mm (insertion depth of wall lining)

For fireplace inserts with optional equipment (e.g. combustion control or electric door lift), the information in the associated document must be observed.

- 📖 Assembly and operating manual for Premium & Lean fireplace inserts
- 📖 Manual for the fireplace insert accessories
- 📖 "Technical drawing"

3.4 Preparation for assembly

- ▶ Familiarise yourself with the unit and the associated documents:
 - Assembly manual.
 - Assembly and operating manual for Premium & Lean fireplace inserts.
 - Accessories and equipment.
 - Installation site.
 - Flue gas routing.
 - Operating mode.
 - If applicable, instructions of additional components (e.g. heat generator, heating controller).
- ▶ Prepare the necessary materials and tools:
 - Tools from the field of stove and ventilation construction, stove and tiled stove construction.
 - Hexagon wrench AF 13, AF 14, AF 19 and AF 27.
 - Allen key 3 mm and 4 mm.
 - Work gloves.

The following materials are also required for installing the unit:

- Flue gas pipe according to DIN EN 1856-2.
- Combustion air pipes (optional).

Suitable flue gas connection bend sets are available from the manufacturer.

➔ “7.1 Accessories” (page 61).

- ▶ Keep the installation site free of objects which may be damaged or destroyed during assembly.
 - ▶ Ensure that the flue gas routing complies with the valid regulations.
- 📖 Assembly and operating manual for Premium & Lean fireplace inserts

3.5 Transporting the unit

⚠ WARNING!

Risk of injury caused by heavy loads!

The size and weight of the unit require plenty of strength during installation. Incorrect lifting or the unit tipping may lead to severe injuries.

- ▶ Adhere to the transport labels on the packaging.
- ▶ Use suitable transport equipment (e.g. lift truck, hand truck with lashing strap).
- ▶ Secure the unit against sliding, tipping and falling.
- ▶ Only lift the unit at the points intended for this purpose.
- ▶ Have at least two persons present to install the unit.
- ▶ Ensure a stable position during installation.
- ▶ Ensure that no additional persons remain in the work area.

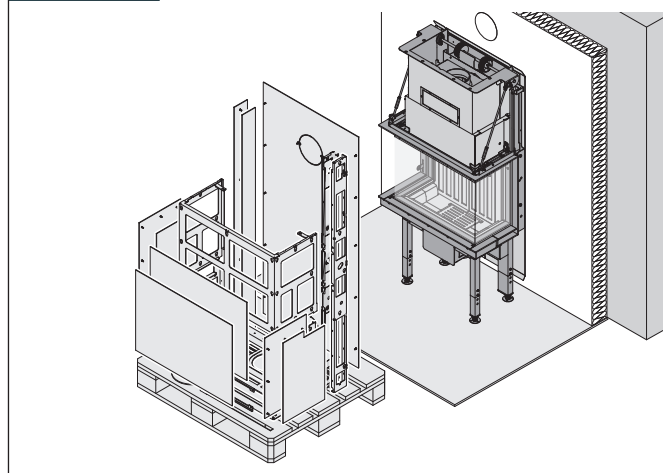
⚠ ATTENTION!

Risk of material damage caused by improper transport!

Rough handling may damage sensitive components on the front of the unit (e.g. the glass of the firebox door). Glass or ceramic surfaces may break if the unit is pulled or jammed.

- ▶ Use suitable transport equipment (e.g. lift truck, hand truck with lashing strap).
- ▶ Only position the transport equipment at the marked points on the packaging.
- ▶ Only transport the unit in a standing or slightly inclined position leaning on the rear sides.
- ▶ Move the unit with care and caution.

3.5 / 1



- ▶ Transport the unit to the installation site.

3.6 Unpacking the unit

- ▶ Check the packaging for damage.
- ▶ Remove the packaging.
- ▶ Undo the screws of the transport securing mechanism on the pallet.
- ▶ Lift the unit off the pallet.
- ▶ Check the scope of delivery for completeness and ensure that there is no damage.
 - ➔ "2.4 Scope of delivery" (page 9).

In the event of damage or incompleteness:

- ▶ Contact the manufacturer.

If the packaging is no longer required:

- ▶ Properly dispose of the packaging material.
 - ➔ "6.1 Disposing of the packaging" (page 60).

3.7 Adjusting the counterweight (optional)

If necessary, adjust the counterweights on the fireplace insert before assembling the cover panels.

To adjust the counterweights, observe the instructions for the fireplace insert.

- 📖 Assembly and operating manual for Premium & Lean fireplace inserts

3.8 Determining the installation and flue gas routing

Before mounting, the installation and flue gas routing must be determined.

- The units can be installed flush with the wall or freestanding.
- The flue gas can be routed out of the unit to the rear, to the side (Zirkon) or to the top.

The assembly steps describe the assembly of all components. Depending on the installation and flue gas routing, different assembly steps must be carried out.

Installation flush with wall

- The heat baffle must be installed.
- For the model Zirkon, the rear wall can be installed as an option. (not included).
- For the model Saphir, either the heat baffle or the rear wall (not included) can be installed.

Freestanding installation

- The rear wall/sidewall must be installed.

Flue gas routing to the rear / side

- When routing the flue gas to the rear/side, the heat baffle, the rear wall or the sidewall must be adapted to allow flue gas pipes to pass through.
- The flue gas connection must be adapted on the rear/side based on the connection method.

Flue gas routing upwards

- If the flue gas is routed upwards, the top plate must be adjusted.

3.9 Installation of Saphir

For flue gas routing requirements, observe the instructions for the fireplace insert.

📖 Assembly and operating manual for Premium & Lean fireplace inserts

Flue gas routing to the rear and upwards must be carried out in accordance with the specified connection dimensions. It is not possible to extend the flue gas routing out of the cover panel in an offset manner.

➡ "2.7 Dimensions" (page 15).

Depending on the installation and flue gas routing, certain assembly steps may be omitted.

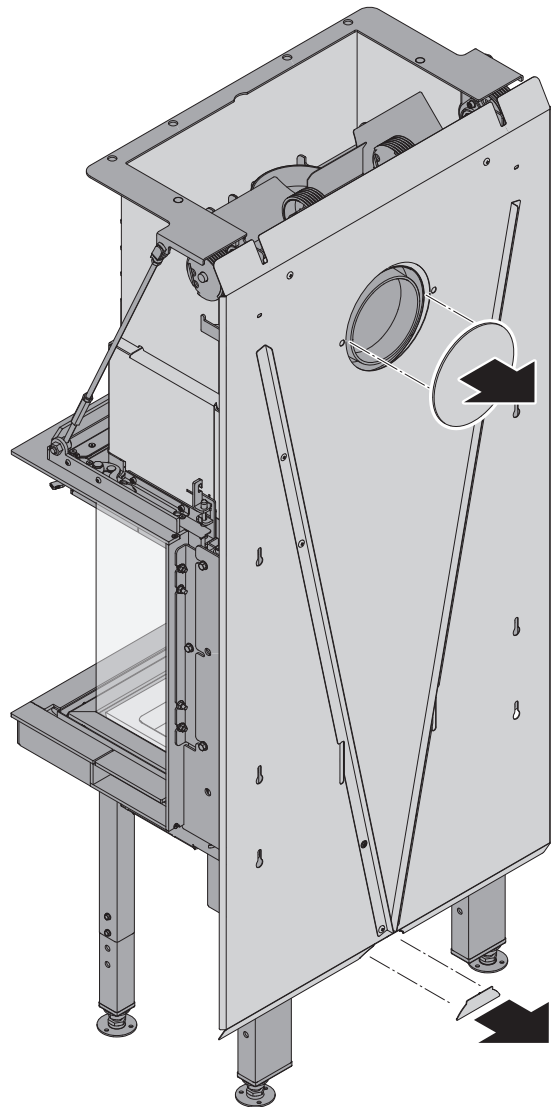
➡ "3.8 Determining the installation and flue gas routing" (page 22).

To guide the flue gas pipe rearward to the wall by the shortest path, the heat baffle needs to be adjusted. With other flue gas routes (e.g. flue gas pipe to the ceiling), the heat baffle remains unchanged.

Adapting the heat baffle

If air is supplied from or flue gas guided to the rear, the heat baffle must be adapted.

3.9 / 1



► If necessary, remove the blind covers from the heat baffle

Assembly

Installation of rear wall for installation flush with wall

If a rear wall cover panel is to be fitted to the unit for installation flush with the wall, this must be provided and prepared before further assembly steps on the unit. Subsequent assembly is not possible.

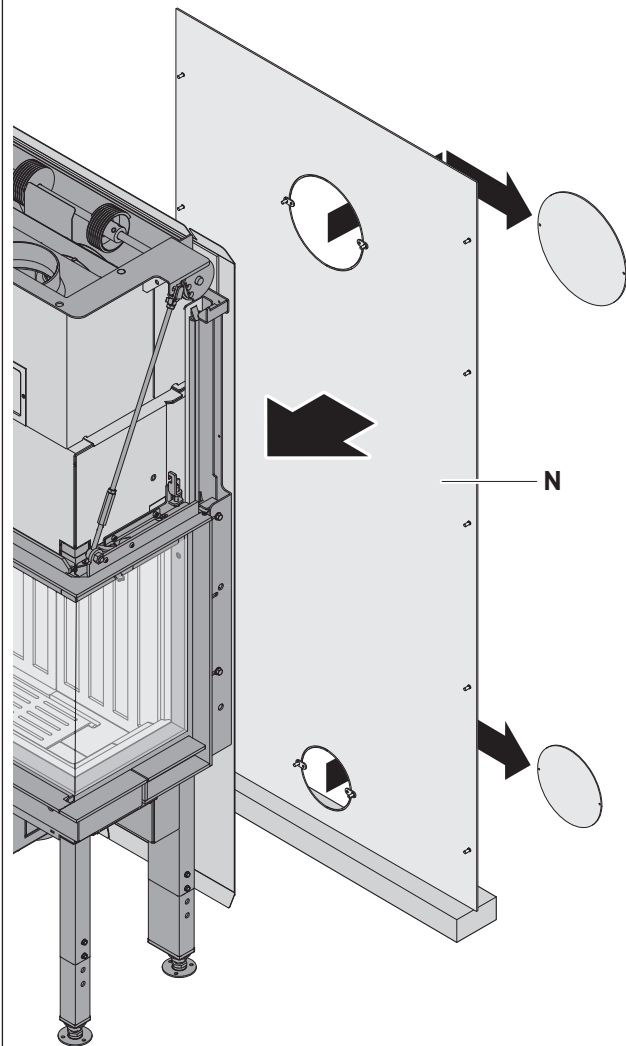
⚠ CAUTION!

Risk of injuries due to the rear wall tipping over!

An unsecured rear wall can tip over and cause injuries.

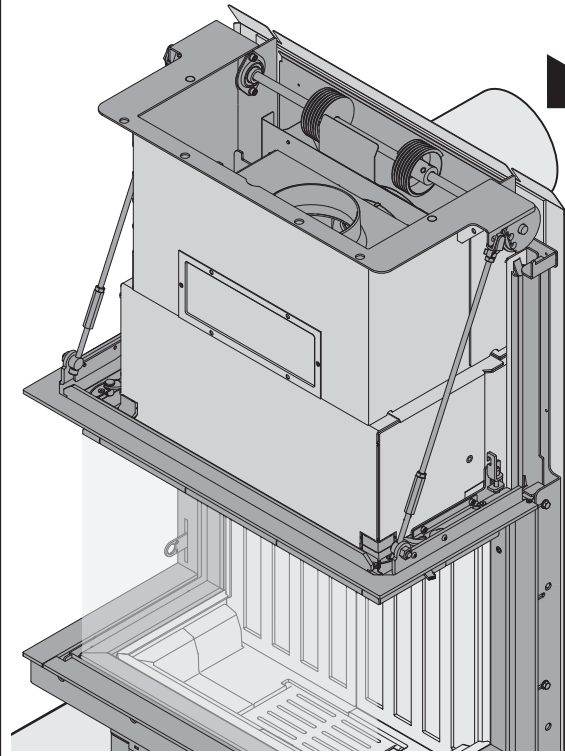
- Secure the rear wall until final assembly.

3.9 / 2



- If necessary, remove the blind covers from the rear wall cover panel.
- Place the rear wall cover panel (N) on a wooden support layer behind the unit.

3.9 / 3

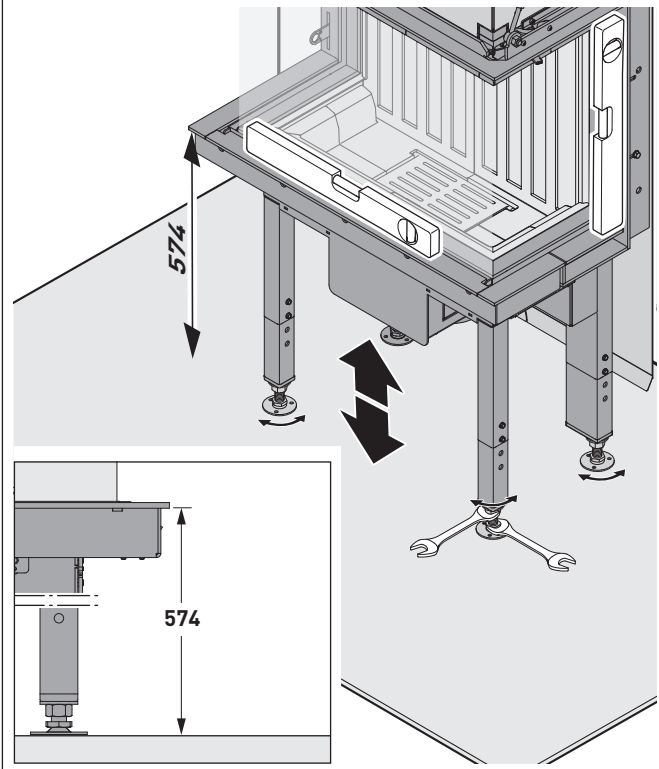


- Adjust the overall length of the flue gas pipe.
- Position the flue gas pipe on the flue gas connection on the unit.

The unit must be aligned with the surrounding screen.

Precise height alignment of the support frame is essential for aligning the cover panel elements correctly with each other. The edges will only look uniform if the dimensions are precisely adhered to.

3.9 / 4



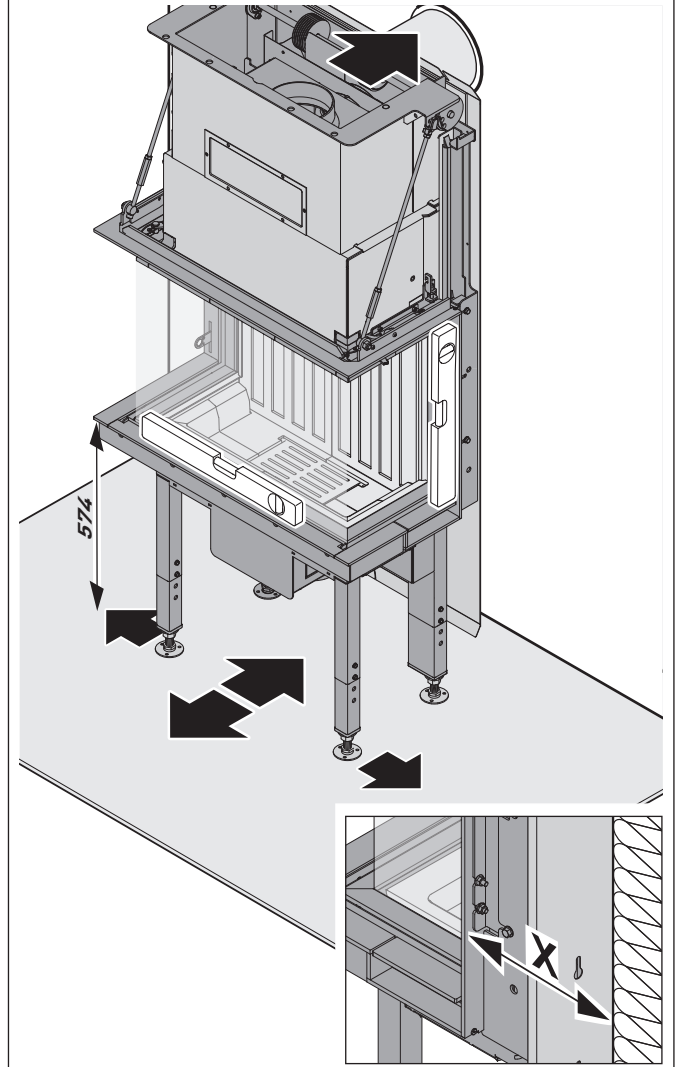
- ▶ Align the height of the unit.
- ▶ Align the unit vertically and horizontally.
- ▶ Secure the adjustable legs by tightening the nuts.

The unit must be brought into the intended final position before further assembly. It is no longer possible to move the completely assembled unit due to its heavy weight.

- ▶ Position the unit, taking into account the requirements for the installation site.
 - ➔ "3.3 Requirements for the installation site" (page 17).

💡 We recommend using a double wall lining for the connection to the chimney.

3.9 / 5



- ▶ Route the flue gas pipe to the chimney horizontally along the shortest path.
- ▶ Push the unit with the pre-assembled flue gas pipe into the wall lining provided on site.
- ▶ Make sure that the flue gas pipe does not protrude impermissibly into the chimney.
- ▶ Ensure that the pipe connections are sealed.
- ▶ Check the height alignment of the unit once positioning is complete.

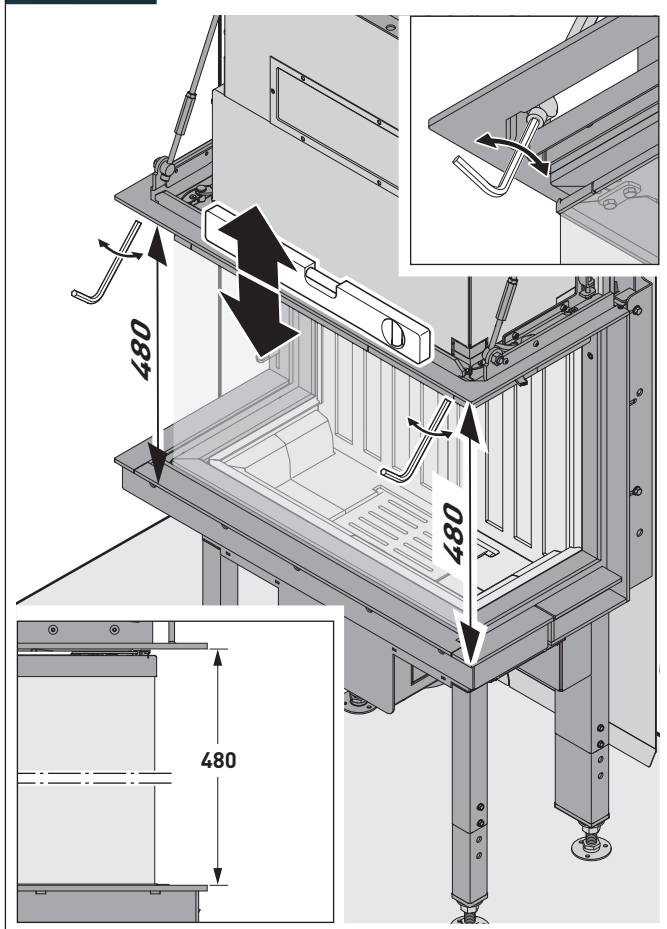
Distance between unit and wall (X)	Saphir
Installation flush with wall	105
Freestanding installation	105 + (≥ 200)

Assembly

The transport lock must be removed before covering the fireplace insert further. Subsequent removal is no longer possible once the fireplace insert is covered.

Precise height alignment of the support frame is essential for aligning the cover panel elements correctly with each other. The edges will only look uniform if the dimensions are precisely adhered to.

3.9 / 6

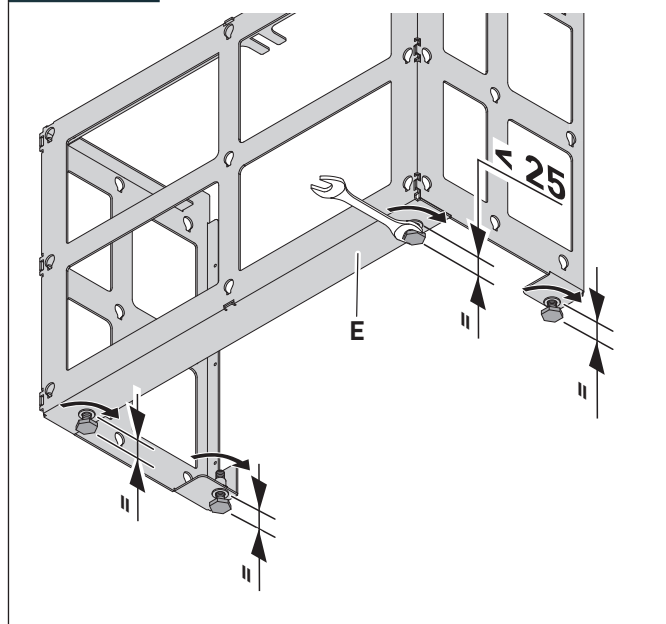


- Align the height of the upper support frame.
- Remove the transport lock.
- Ensure that the combustion chamber door is easy to open and move.

To remove the transport lock, observe the instructions for the fireplace insert.

- 📖 Assembly and operating manual for Premium & Lean fireplace inserts

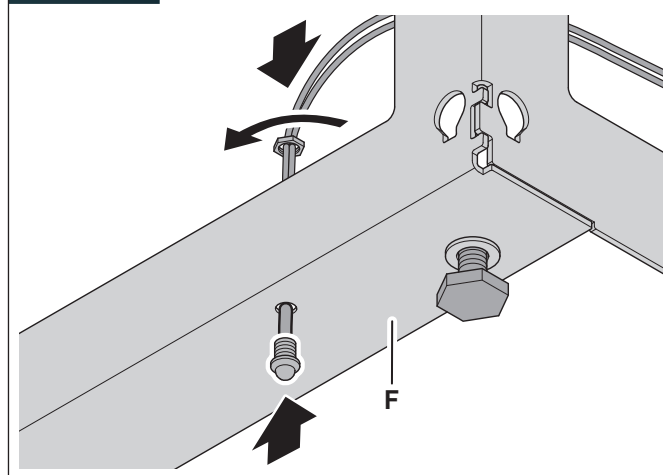
3.9 / 7



- Align the adjustable legs on the carrier frame (front-bottom) (E).

Units with combustion control (S-Thermatik NEO) require insertion of an LED into the carrier frame (front-bottom). Later installation of the LED is not possible.

3.9 / 8

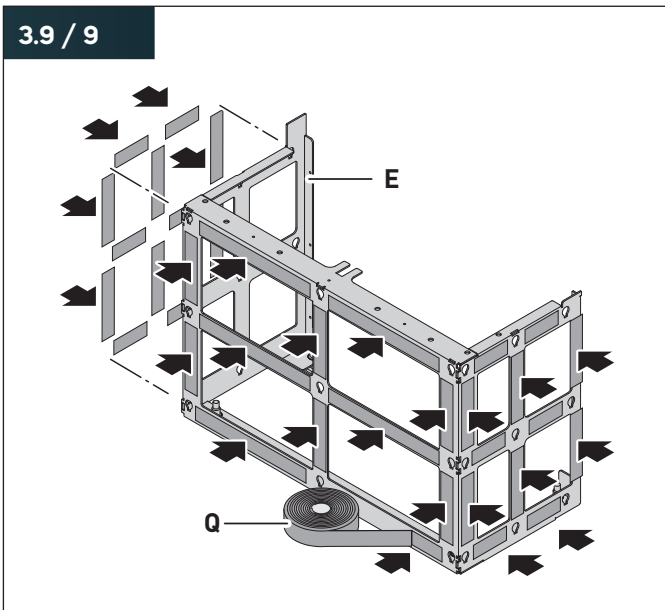


- Screw the LED firmly to the carrier frame (front-bottom) (E).

Correctly attaching the hollow chamber seal to all coating areas on the carrier frames is essential for ensuring the following properties:

- Silent opening and closing of the door.
- Straight edges of the cover panel elements.

3.9 / 9



- Ensure that the hollow chamber seal is positioned on all sides and close to the outer edge.
- Glue the hollow chamber seal (Q) to the carrier frame (E) on all coating areas.
- Leave the openings open when inserting the cover panel elements.

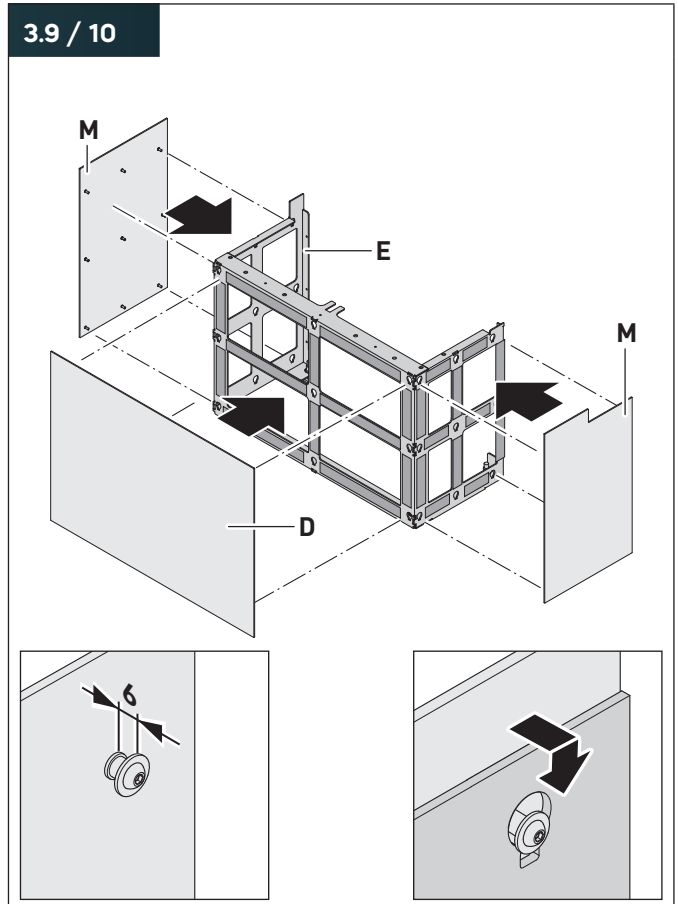
⚠ ATTENTION!

Risk of material damage caused by improper handling!

The surfaces of the cover panels can be easily scratched by external influences (e.g. rings, tools).

- Always use the cotton gloves provided when working on the cover panels.
- Always have two people carry out work on cover panels.

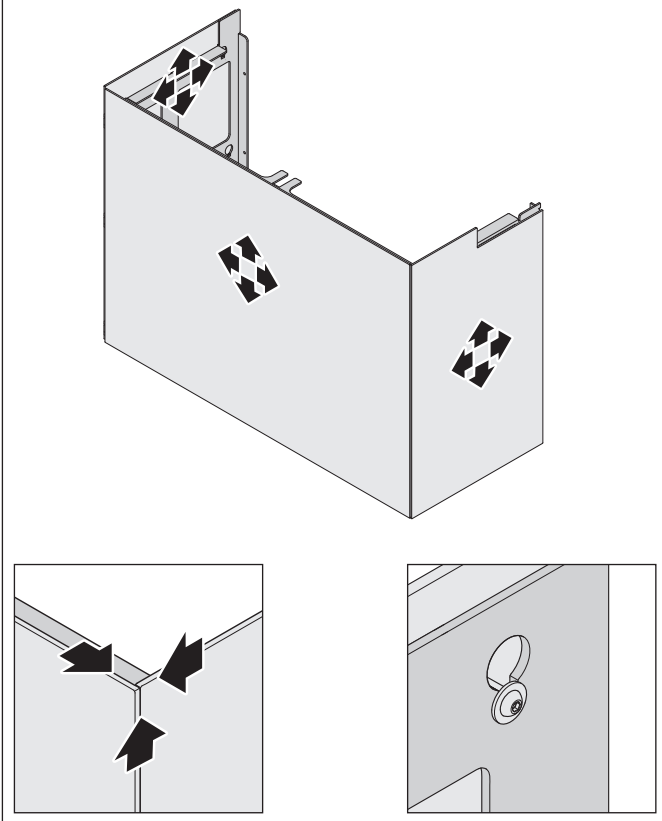
3.9 / 10



The nuts on the cover panels elements are adjusted to fit at the factory. If the cover panel elements cannot be pushed in or are too loose, the nuts can be readjusted.

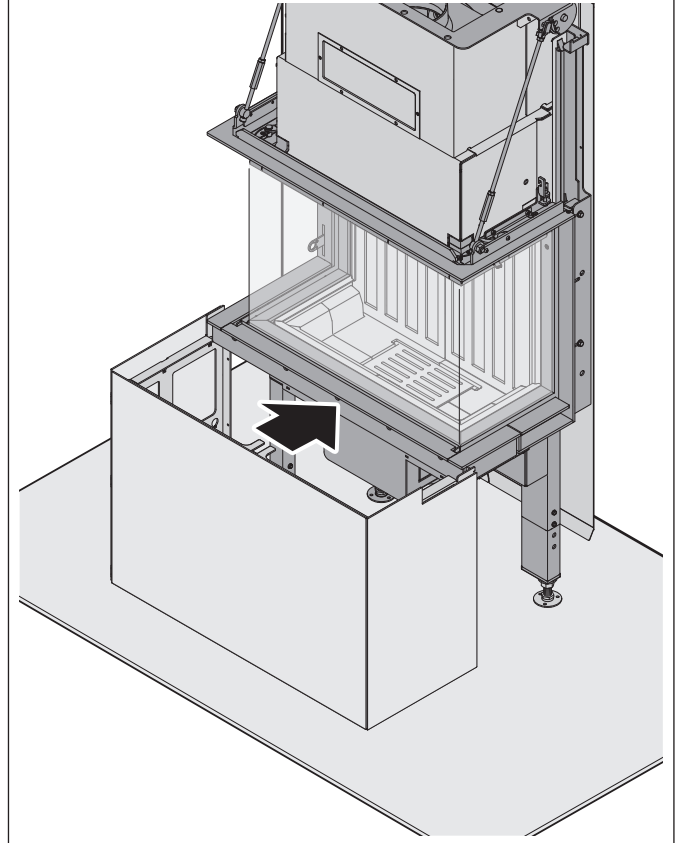
- Attach the cover panel elements (D, M) to the carrier frame (front-bottom) (E).
- Push the cover panel elements down in the groove.

3.9 / 11



- Align the cover panel elements so they are flush.

3.9 / 12



- Push the carrier frame with the cover panel elements under the support frame.

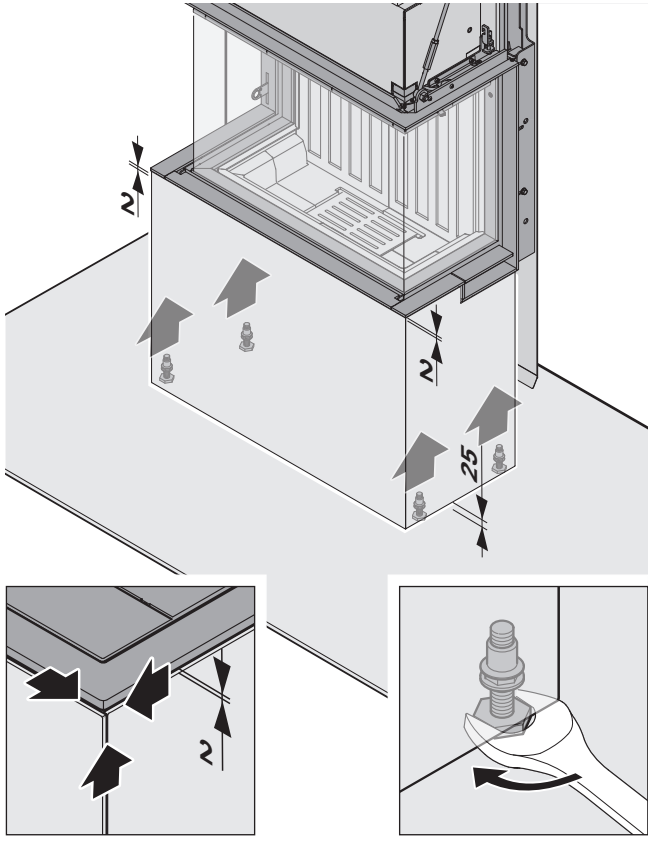
Only for units with S-Thermatik NEO.

- Connect the LED to the S-Thermatik NEO control system.

For establishing the connection, refer to the S-Thermatik NEO manual.

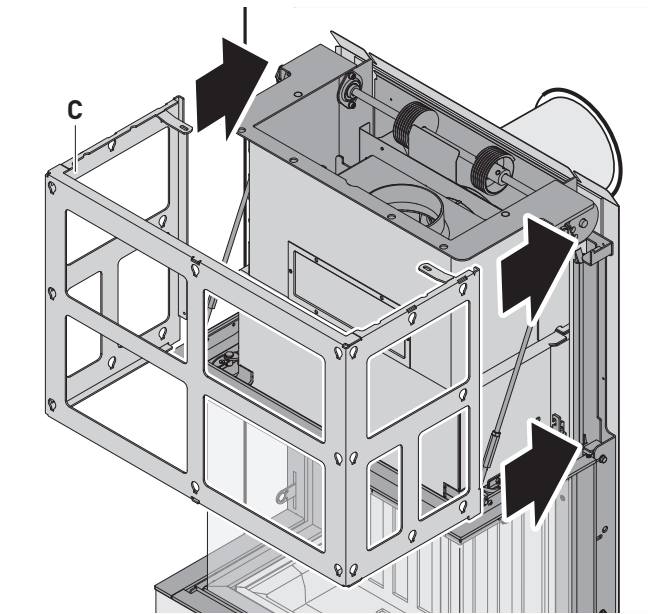
📖 S-Thermatik NEO assembly and operating manual

3.9 / 13



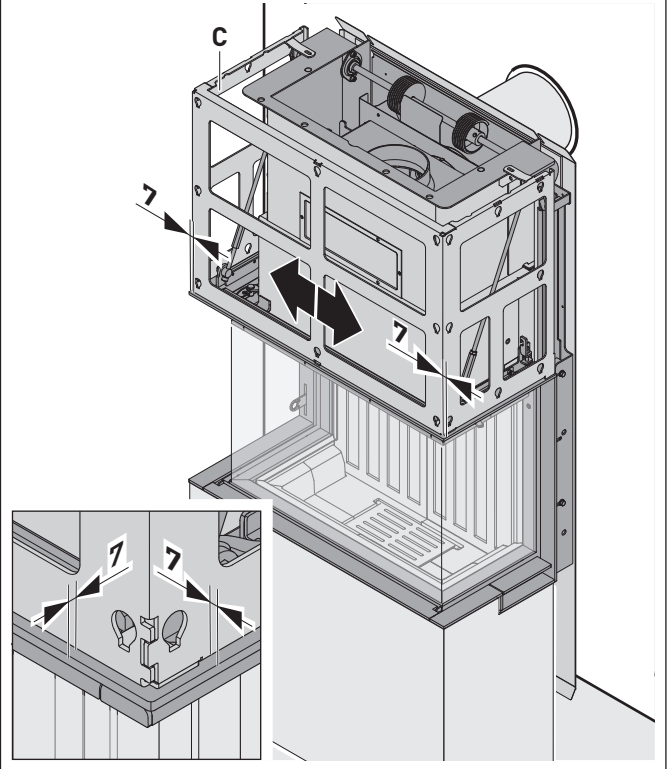
- Align the adjustable legs.
- Align the cover panel elements so they are flush.

3.9 / 14



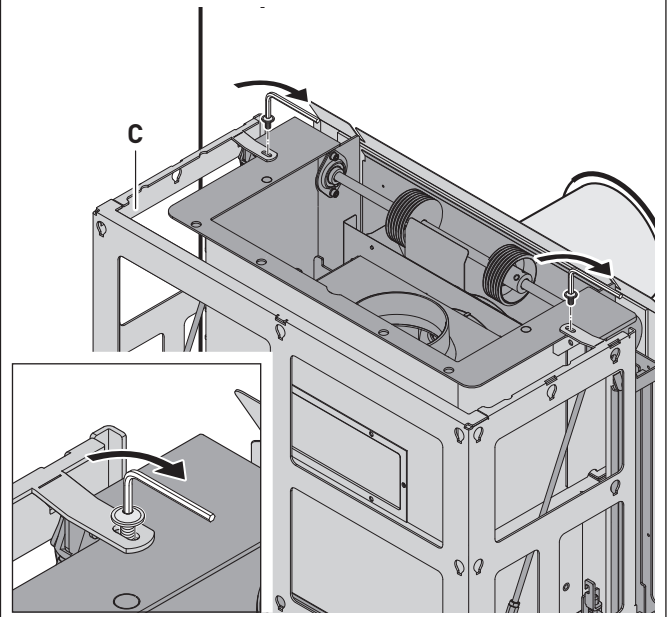
- Push the carrier frame (front-top) (C) onto the support frame.

3.9 / 15



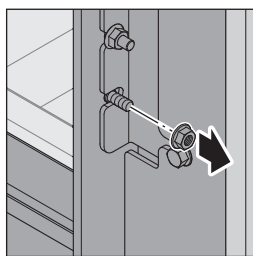
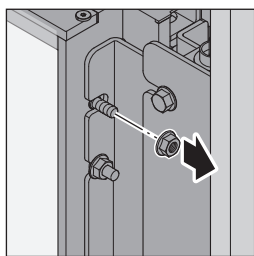
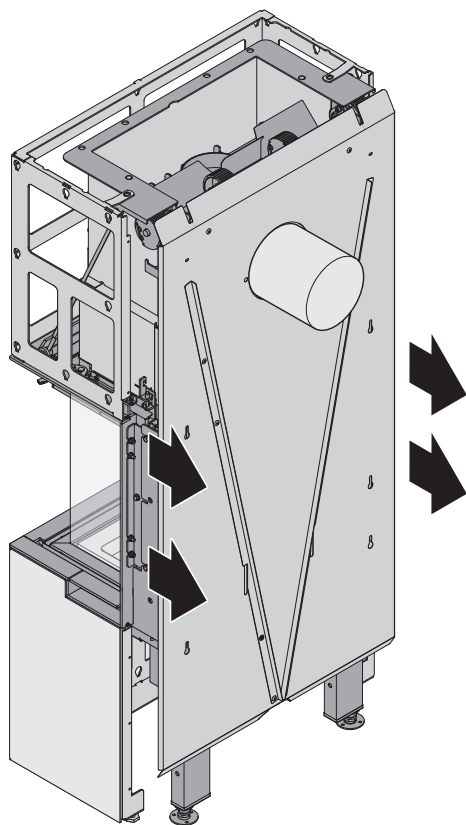
- Align the carrier frame (front-top) (C).

3.9 / 16



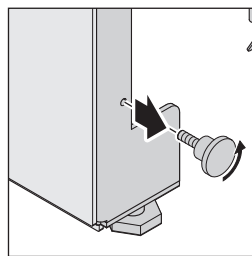
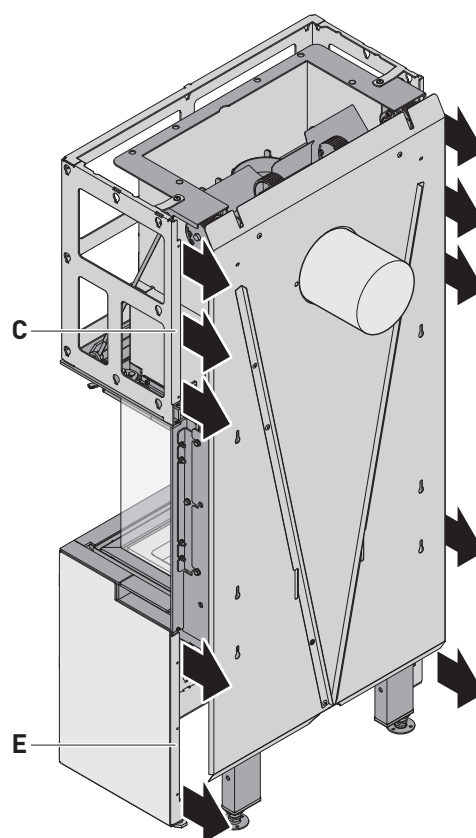
- Screw the carrier frame (front-top) (C) to the unit.

3.9 / 17



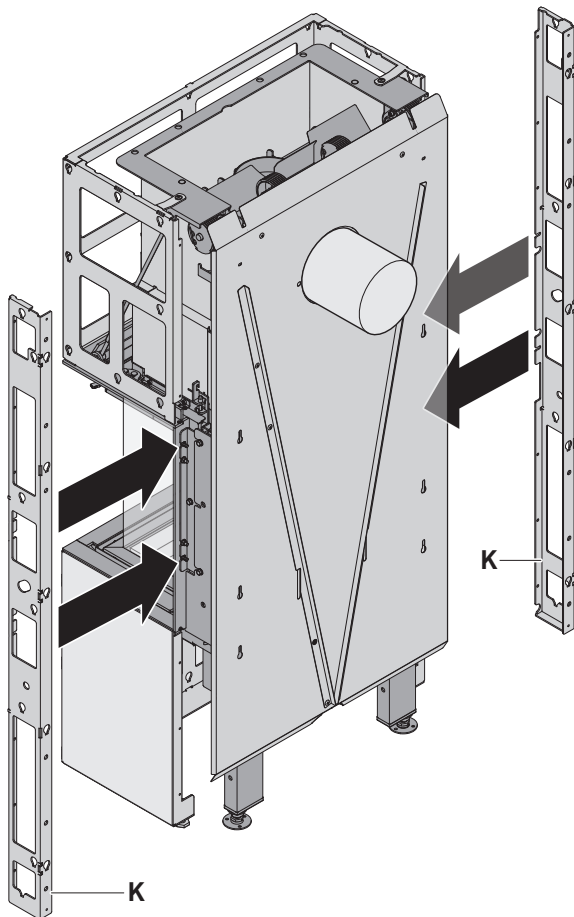
- Remove the upper and lower nuts of the screen brackets on both sides.

3.9 / 18



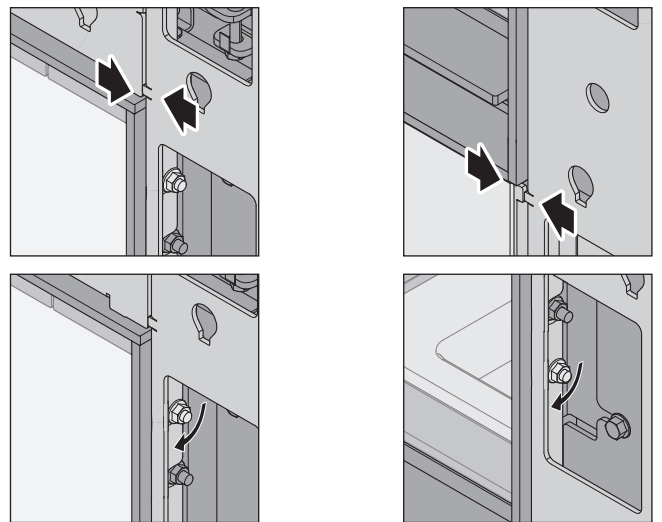
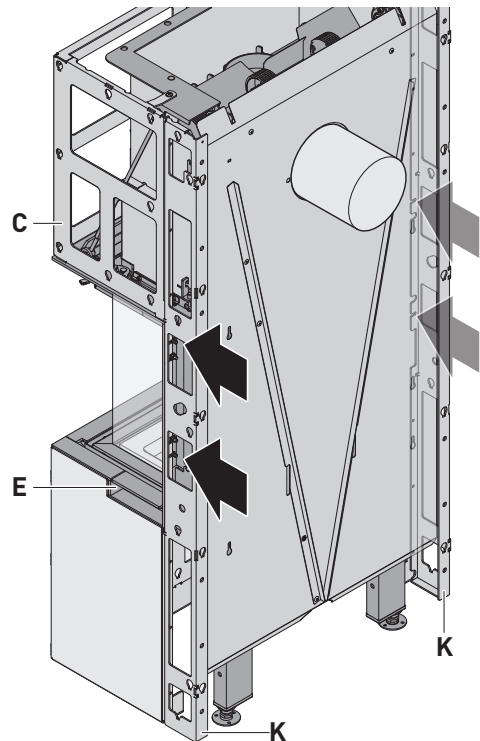
- Remove the screws from the carrier frame (front-bottom) (E) and the carrier frame (front-top) (C).

3.9 / 19



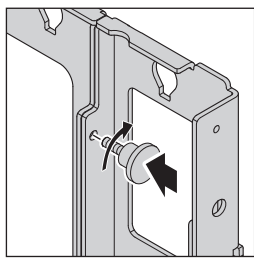
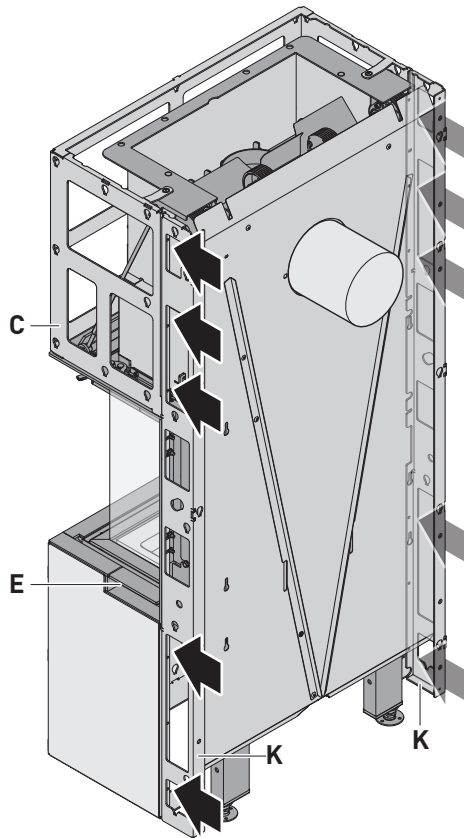
- Push the carrier frames (side-rear) (K) onto the screen brackets.

3.9 / 20



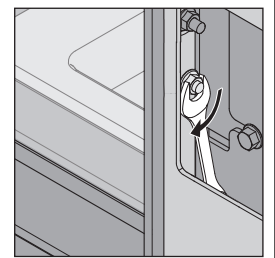
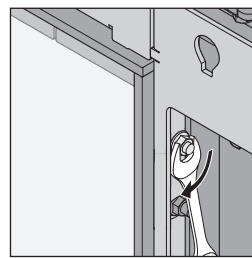
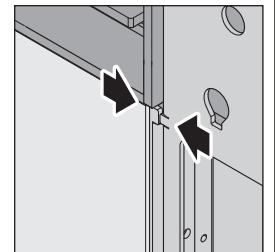
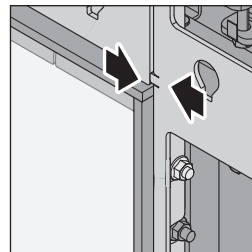
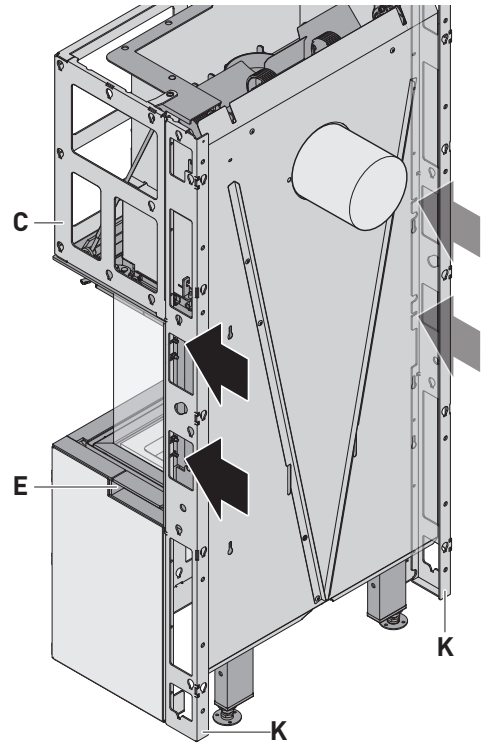
- Align the bar on the carrier frame (side-rear) (K) with the carrier frame (front-top) (C) and the carrier frame (front-bottom) (E) so that it is flush.
- Push the carrier frame (side-rear) (K) flush against the stove.
- Tighten the previously removed nuts on the screen brackets.

3.9 / 21



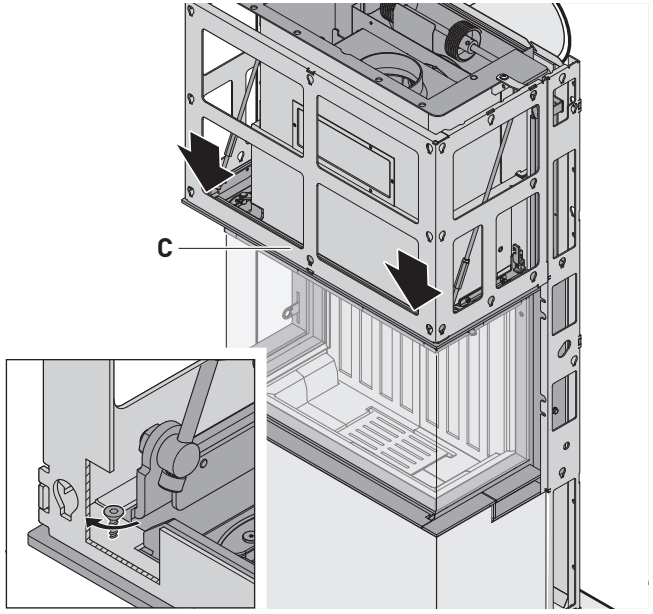
- Screw the carrier frames (side-rear) (**K**) to the carrier frame (front-top) (**C**) and the carrier frame (front-bottom) (**E**) using the previously removed screws.

3.9 / 22



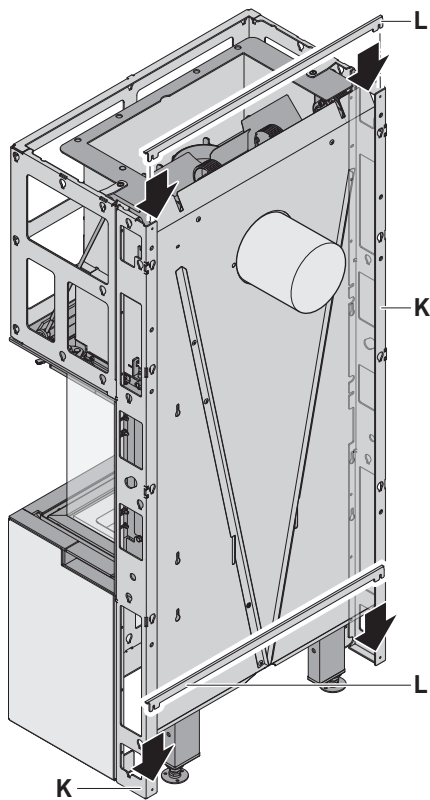
- Align the bar on the carrier frame (side-rear) (**K**) flush with the screen frame on the stove.
- Push the carrier frame (side-rear) (**K**) flush against the stove.
- Tighten the nuts on the screen brackets.

3.9 / 23



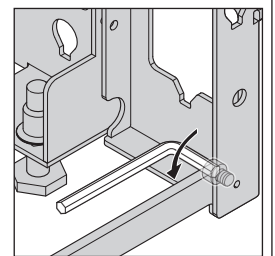
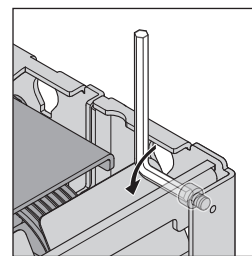
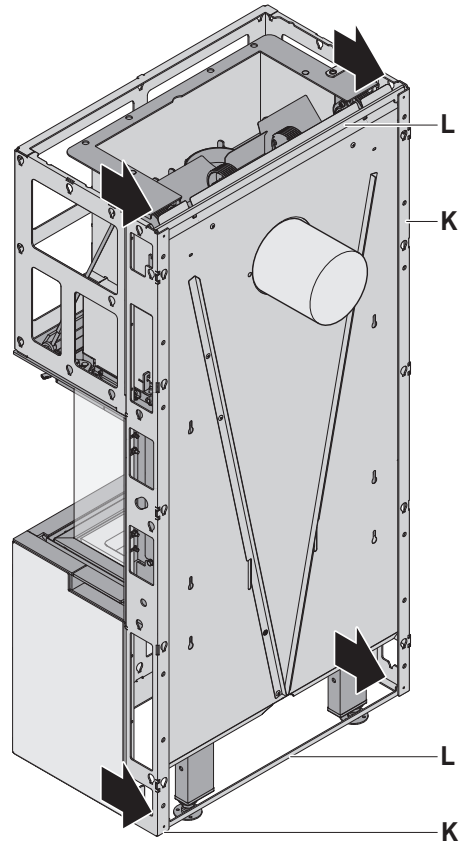
- Tighten the screw on the carrier frame (front-top) (C) hand-tight against the frame on both sides.

3.9 / 24



- Insert the connecting struts (L) at the top and bottom into the carrier frames (side-rear) (K) from the inside.

3.9 / 25



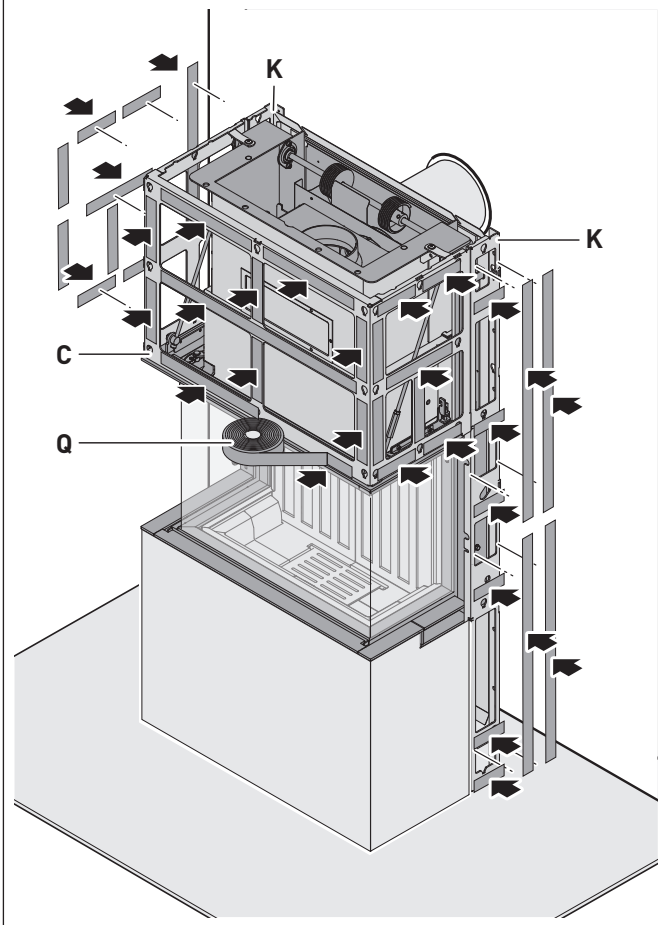
- Tighten the screws.

Assembly

Correctly attaching the hollow chamber seal to all coating areas on the carrier frames is essential for ensuring the following properties:

- Silent opening and closing of the door.
- Straight edges of the cover panel elements.

3.9 / 26



- Ensure that the hollow chamber seal is positioned on all sides and close to the outer edge.
- Glue the hollow chamber seal (Q) to the carrier frame (C, K) on all coating areas.
- Leave the openings open when inserting the cover panel elements.

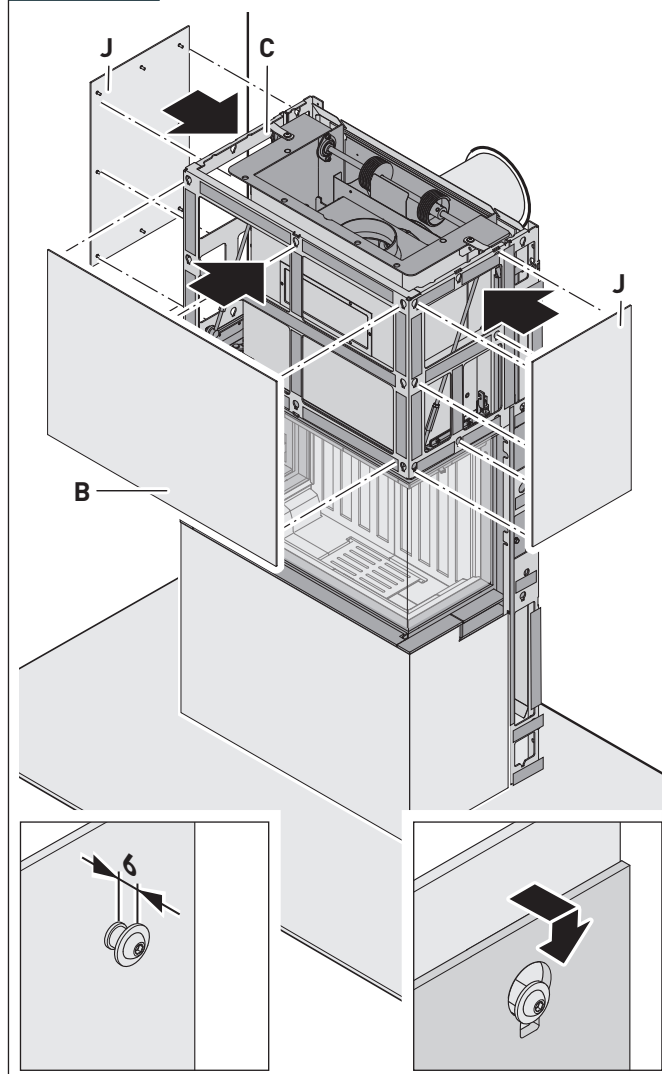
⚠ ATTENTION!

Risk of material damage caused by improper handling!

The surfaces of the cover panels can be easily scratched by external influences (e.g. rings, tools).

- Always use the cotton gloves provided when working on the cover panels.
- Always have two people carry out work on cover panels.

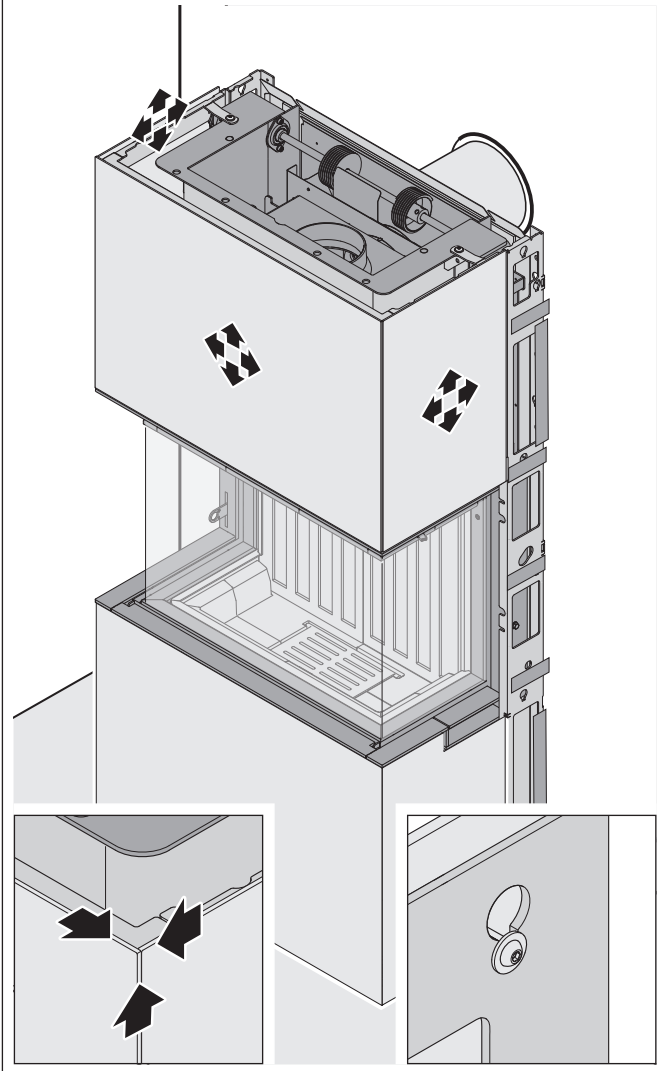
3.9 / 27



The nuts on the cover panels elements are adjusted to fit at the factory. If the cover panel elements cannot be pushed in or are too loose, the nuts can be readjusted.

- Attach the cover panel elements (B, J) to the carrier frame (front-top) (C).
- Push the cover panel elements down in the groove.

3.9 / 28



- Align the cover panel elements so they are flush.

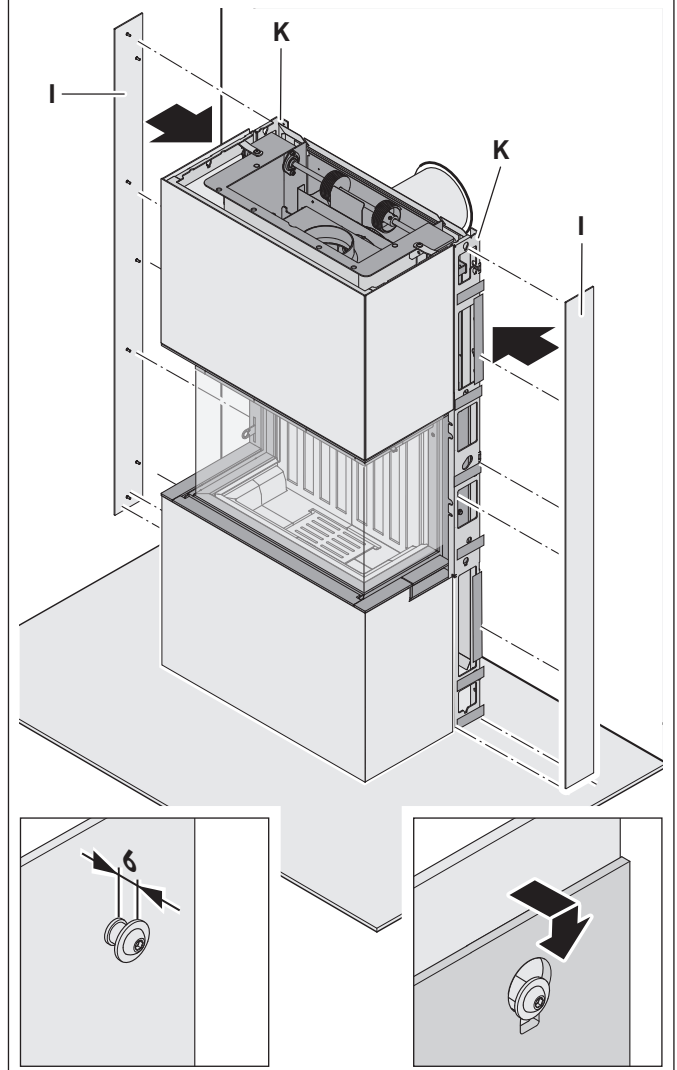
⚠ ATTENTION!

Risk of material damage caused by improper handling!

The surfaces of the cover panels can be easily scratched by external influences (e.g. rings, tools).

- Always use the cotton gloves provided when working on the cover panels.
- Always have two people carry out work on cover panels.

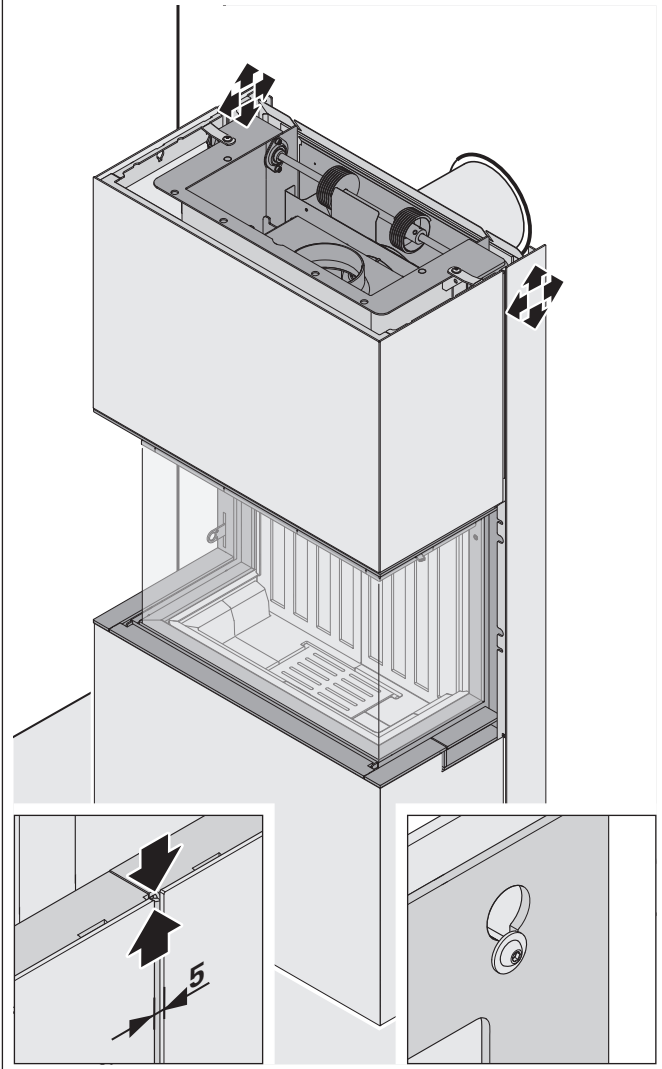
3.9 / 29



The nuts on the cover panels elements are adjusted to fit at the factory. If the cover panel elements cannot be pushed in or are too loose, the nuts can be readjusted.

- Attach the cover panel elements (side-rear) (I) to the carrier frame (side-rear) (K).
- Push the cover panel elements down in the groove.

3.9 / 30

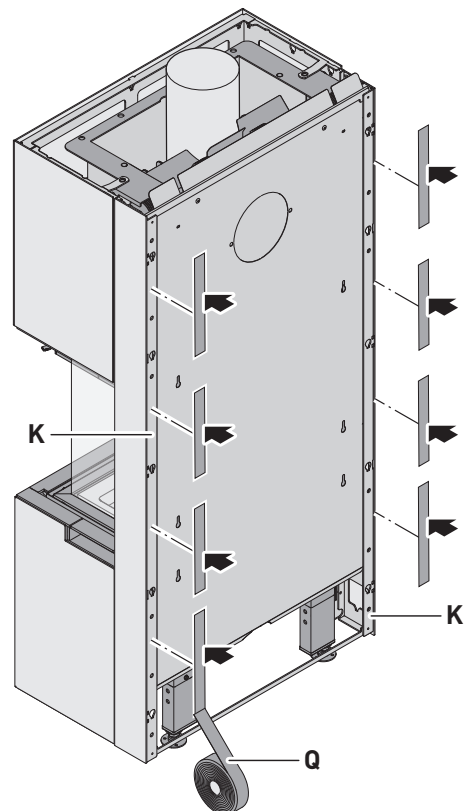


- ▶ Align the cover panel elements so they are flush.
- ▶ Ensure that the distance between the connecting elements is approx. 5 mm.

Installation of rear wall for freestanding installation

To prevent noise from the cover panel elements when the door is opened and closed, a hollow chamber seal must be glued between all carrier frames and cover panel elements.

3.9 / 31



- ▶ Ensure that the hollow chamber seal is positioned on all sides and close to the outer edge.
- ▶ Glue the hollow chamber seal (**Q**) to the carrier frame (**K**) on all coating areas.
- ▶ Leave the openings open when inserting the cover panel elements.

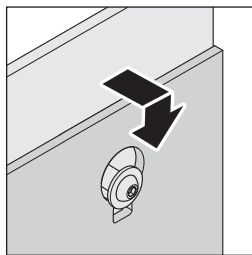
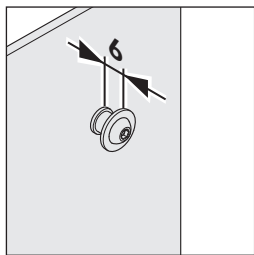
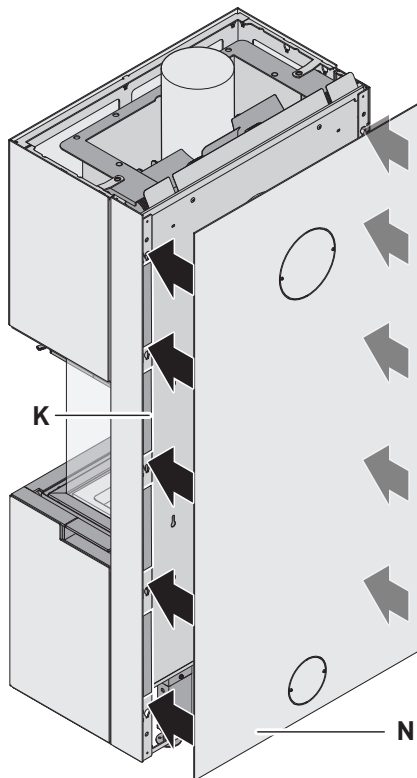
⚠ ATTENTION!

Risk of material damage caused by improper handling!

The surfaces of the cover panels can be easily scratched by external influences (e.g. rings, tools).

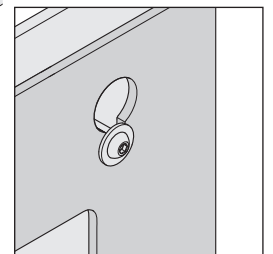
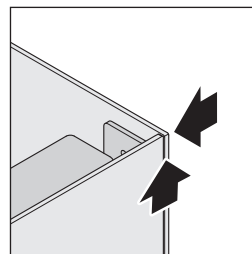
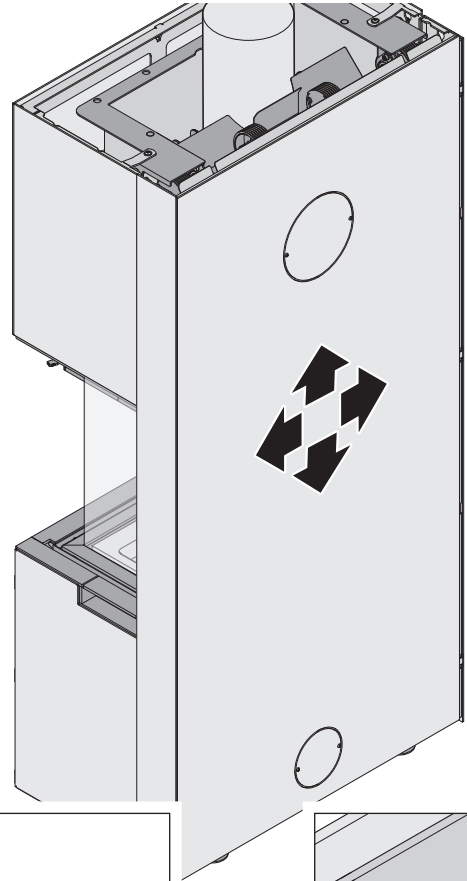
- ▶ Always use the cotton gloves provided when working on the cover panels.
- ▶ Always have two people carry out work on cover panels.

3.9 / 32



- ▶ The nuts on the cover panels elements are adjusted to fit at the factory. If the cover panel elements cannot be pushed in or are too loose, the nuts can be readjusted.
- ▶ Attach the rear wall cover panel to the carrier frame (side-rear) (K).
- ▶ Push the rear wall cover panel (N) down in the groove.

3.9 / 33



- ▶ Align the rear wall cover panel so that it is flush.

If storage stones are used:

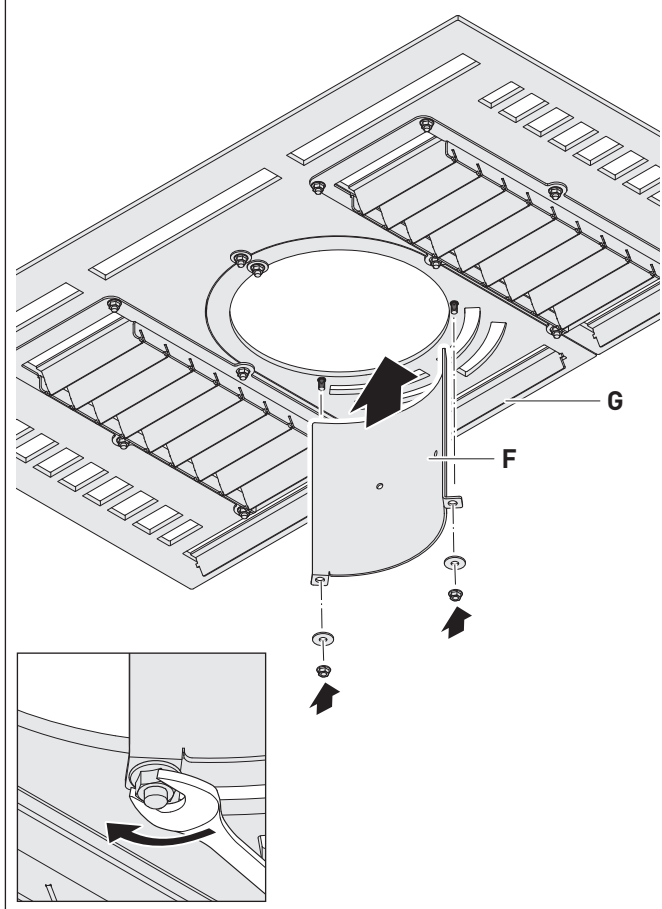
- ▶ Now insert the storage stones.
- ▶ "3.11 Installing the storage stones (optional)" (page 55).

Assembly

The heat baffle guard for the upward flue gas outlet is only necessary when installing walls requiring protection (flammable).

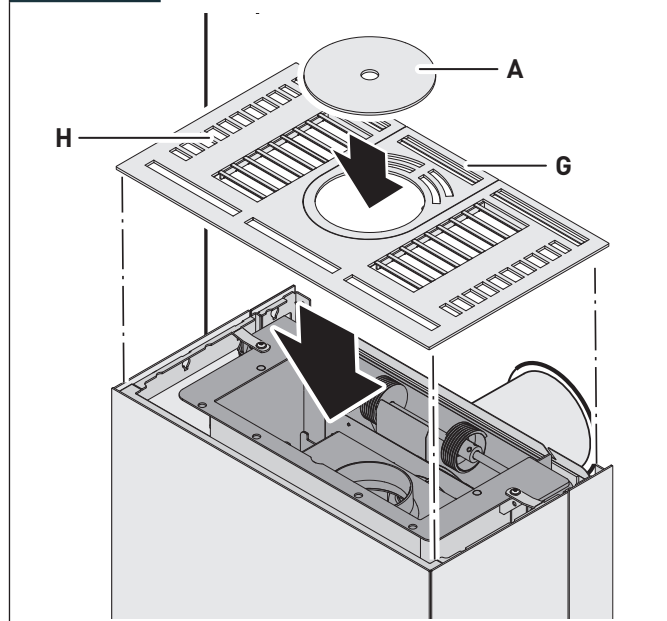
When using a double-walled, insulated flue gas pipe, the heat baffle guard can be omitted, regardless of the type of mounting wall.

3.9 / 34



- If necessary, screw the heat baffle hood for the upward flue gas outlet (F) onto the flue pipe lead-through (G).

3.9 / 35



- Position the top plate (H) and the flue pipe lead-through (G) on the carrier frame.

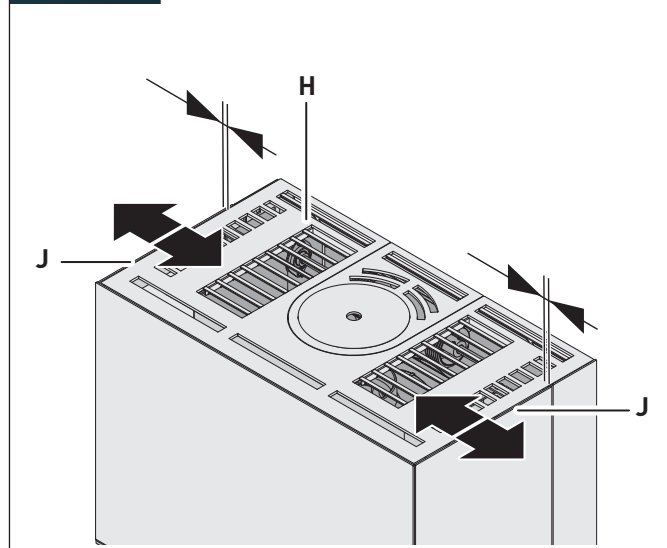
With flue gas routing to the rear:

- Position the blind cover (A) for the flue gas outlet on the flue pipe lead-through (G).

Adjusting the top plate gap dimension

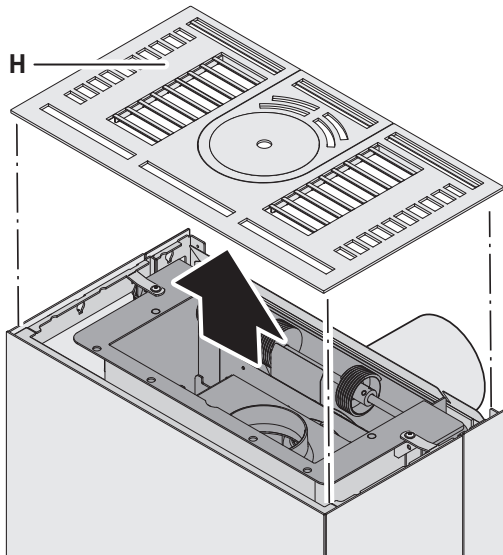
The gap dimension between the top plate and the cover panel elements can be adjusted.

3.9 / 36



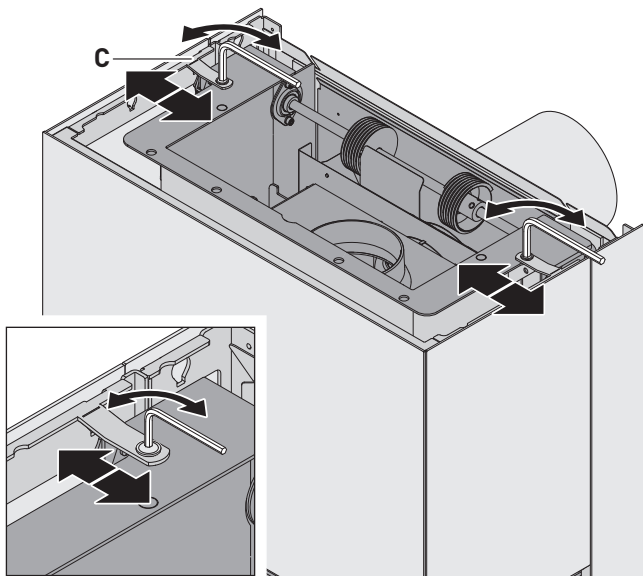
- Check the gap dimension between the top plate (H) and the cover panel elements (J).

3.9 / 37



- If the gap dimension requires adjustment, remove the top plate (H).

3.9 / 38



- Undo the screws on the carrier frame (front-top) (C).
- Adjust the gap dimension.
- Tighten the screws on the carrier frame (front-top) (C).
- Position the top plate on the carrier frame.

3.10 Installation of Zirkon

For flue gas routing requirements, observe the instructions for the fireplace insert.

- Assembly and operating manual for Premium & Lean fireplace inserts

Flue gas routing to the rear/side and upward must be carried out in accordance with the specified connection dimensions. The flue gas routing cannot be guided out of the cover panel in an offset manner.

Depending on the installation and flue gas routing, certain assembly steps may be omitted.

- “3.8 Determining the installation and flue gas routing” (page 22).

To guide the flue gas pipe to the wall by the shortest path, the heat baffle must be adapted. With other flue gas routes (e.g. flue gas pipe to the ceiling), the heat baffle remains unchanged.

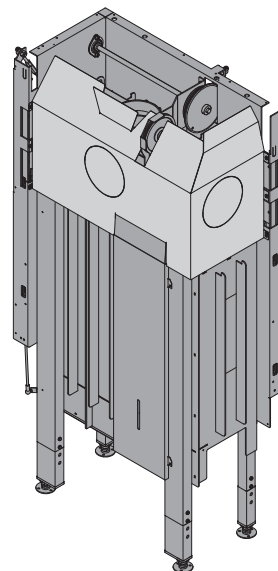
The flue gas can be routed out of the unit either to the rear, upward or to the side.

Adapting the flue gas routing

If the flue gas is routed upward, it is necessary to use the adapter.

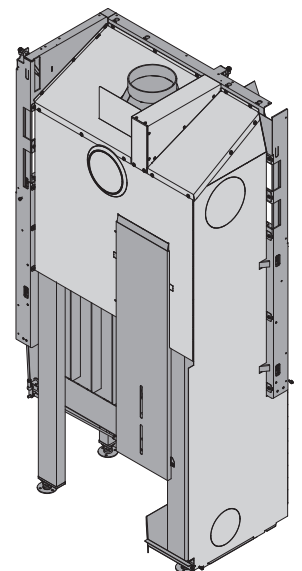
The heat baffle type varies based on the installation variant:

3.10 / 1



Freestanding installation

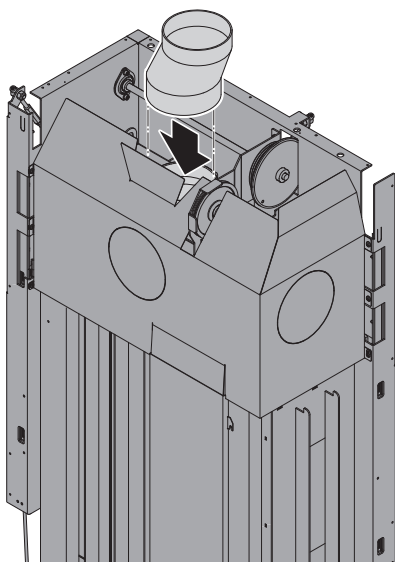
3.10 / 2



Installation flush with wall
Installation flush with corner

Assembly

3.10 / 3

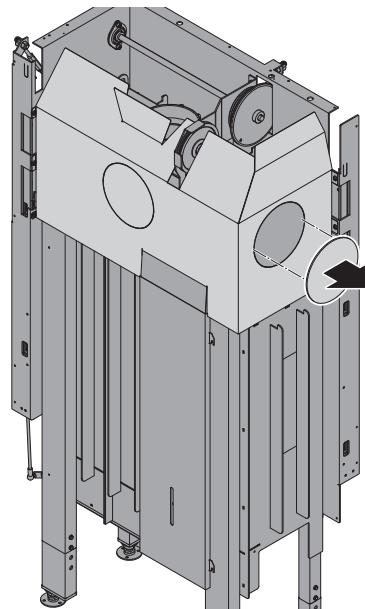


- Attach the adapter to the flue gas routing.

Adapting the heat baffle

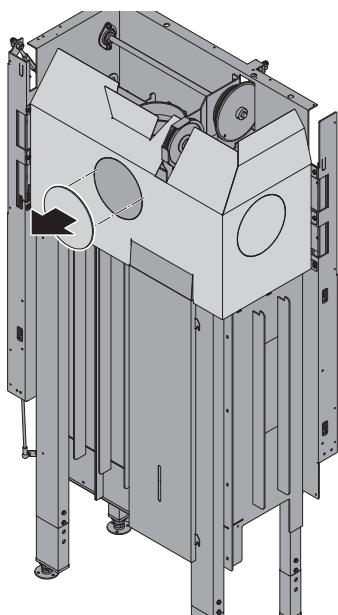
If the flue gas is guided to the rear or the side, the heat baffle must be adapted.

3.10 / 5



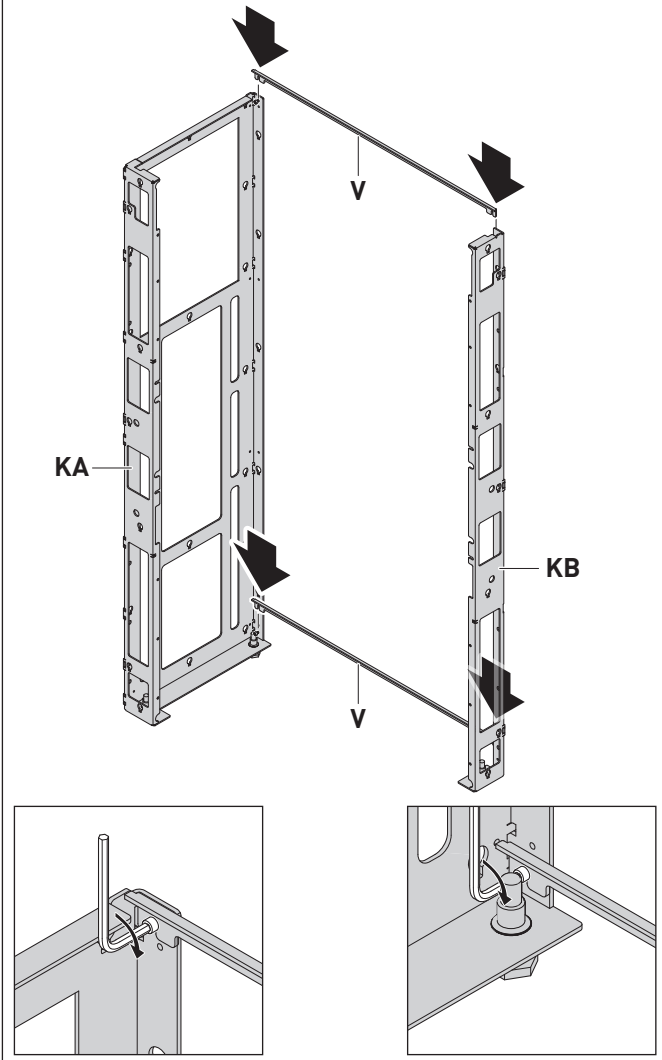
- If necessary, remove the blind covers from the side heat baffle.

3.10 / 4



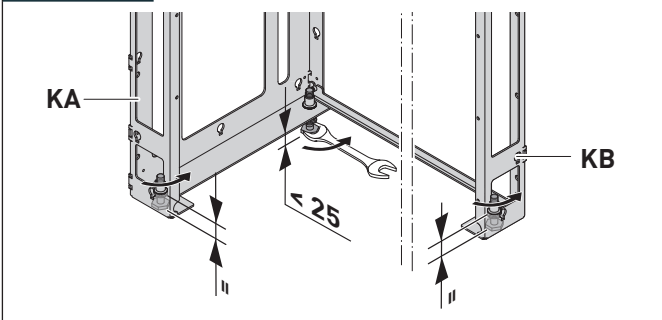
- If necessary, remove the blind covers from the rear heat baffle.

3.10 / 6



- Position the connecting struts (**V**) on the inside of the carrier frame (side) (**KA**) and the carrier frame (rear) (**KB**).
- Screw the connecting struts and carrier frames to each other.

3.10 / 7



- Align all adjustable feet on the carrier frame (side) (**KA**) and the carrier frame (rear) (**KB**).

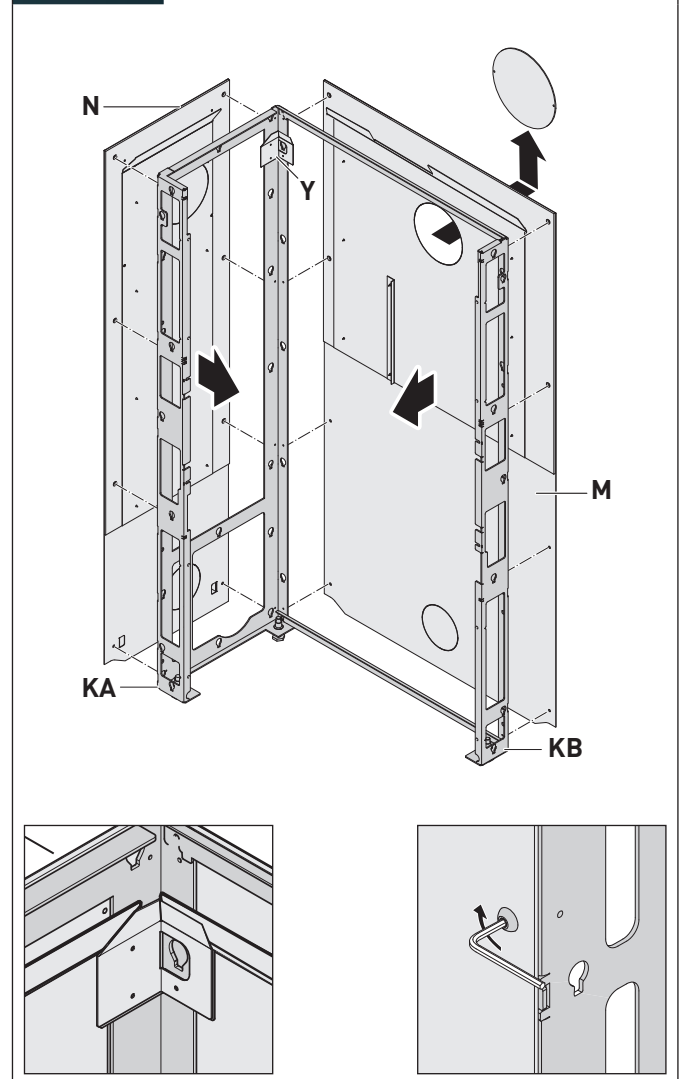
Installation of heat baffle (side) and heat baffle (rear)

- If the unit is installed flush with a wall, the heat baffle (**M**) must be installed on the rear of the unit.
- If the unit is installed flush with a corner, the heat baffle (**M**) must be installed on the rear of the unit and the heat baffle (**N**) must be installed on the unit side that is flush with the wall.
- For freestanding installation, installing a heat baffle is not required.

Only for installation flush with corner:

The heat baffle (side) and the heat baffle (rear) consist of 2 plates.

3.10 / 8



- Ensure that the bent plates of the two heat baffle plates (**M+N**) make contact with the corner connector (**Y**).
- Screw the heat baffle (side) (**N**) and the heat baffle (rear) (**M**) to the carrier frame (side-rear) (**KA+KB**).

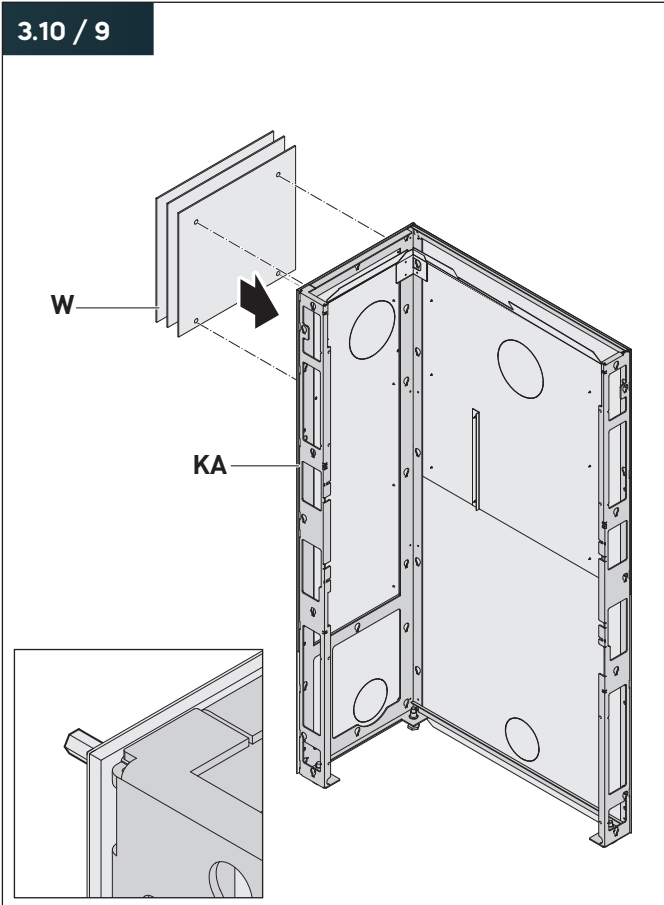
Assembly

For flue gas routing to the rear or side:

- Detach the blind cover from the heat baffle (side) (**N**) or the heat baffle (rear) (**M**) along the perforation.

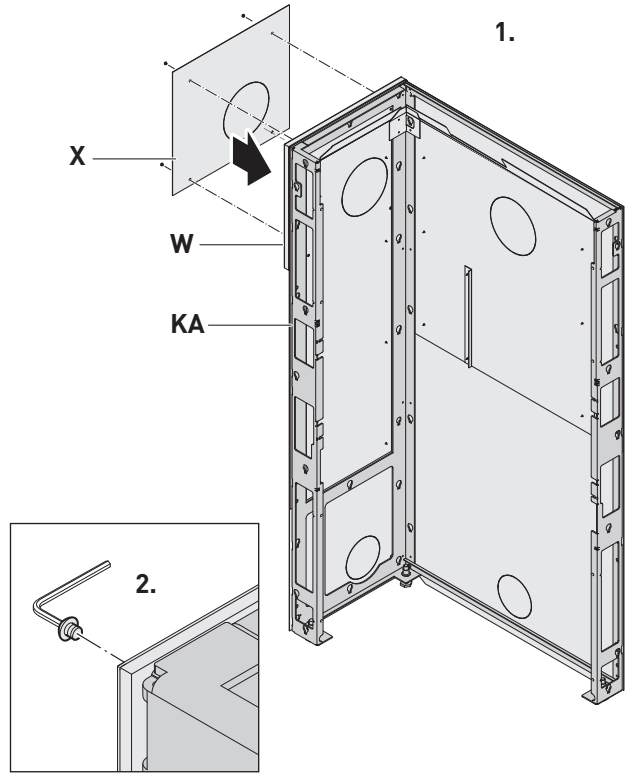
After installing the heat baffles, install an end plate at the level of the blind cover on the side. Three seals must be pushed onto the end plate prior to installation.

3.10 / 9



- Push the insulation plates (**W**) onto the stud bolts.

3.10 / 10



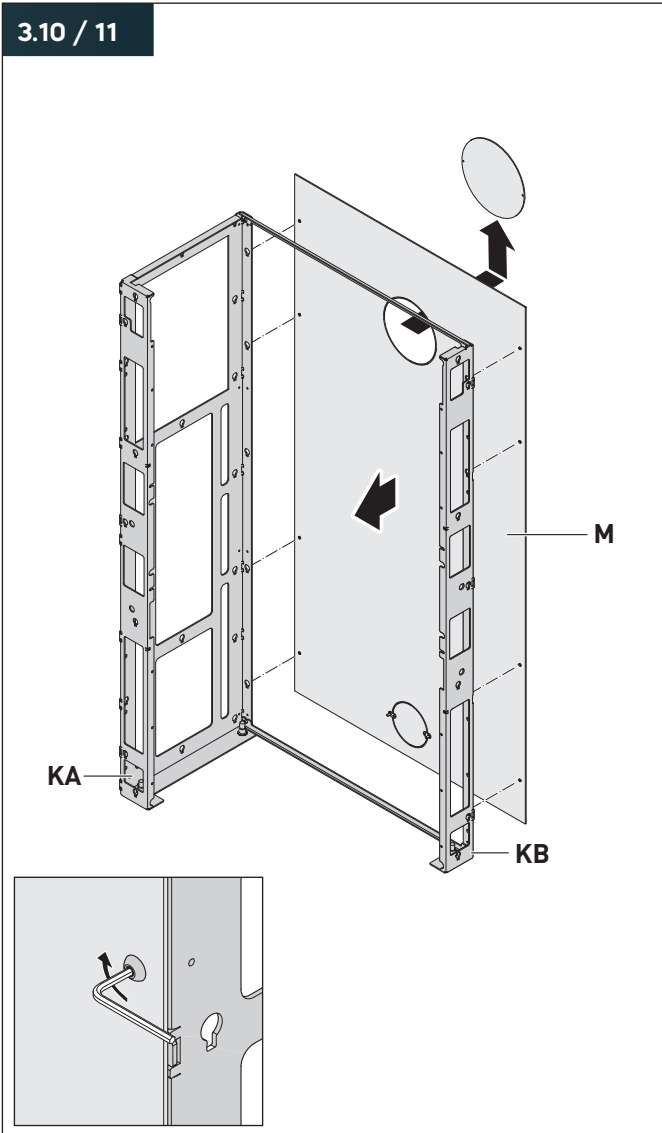
- Attach the end plate (**X**) to the stud bolts.
- Ensure that the insulation plates (**W**) and the end plate (**X**) are aligned so that they are flush with the carrier frame (side) (**KA**) at the top.
- Screw the end plate in place.

For flue gas routing to the side:

- Detach the blind cover from the end plate (**X**) along the perforation.
- Cut out the insulation plates in a circle shape along the plate lead-throughs.

Only for installation flush with wall:

3.10 / 11



- Screw the heat baffle (rear) (**M**) to the carrier frame (side-rear (**KA+KB**)).

For flue gas routing to the rear, side:

- Detach the blind cover from the heat baffle (rear) (**M**) along the perforation.

Assembly of rear and side wall for installation flush with wall and freestanding installation

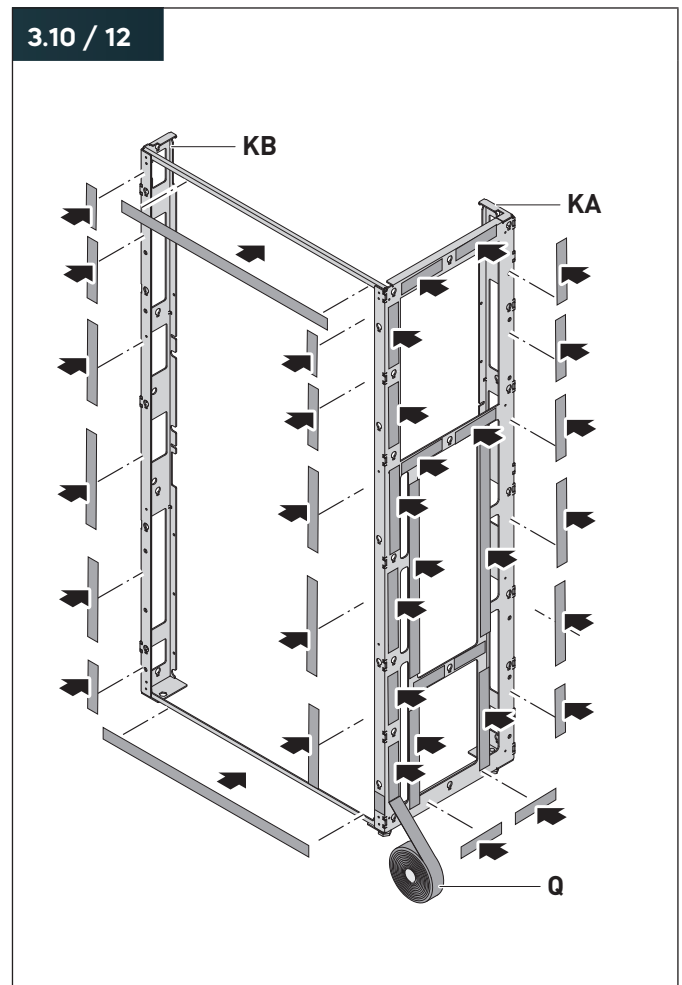
⚠ ATTENTION!

Risk of material damage caused by improper handling!

The surfaces of the cover panels can be easily scratched by external influences (e.g. rings, tools).

- Always use the cotton gloves provided when working on the cover panels.
- Always have two people carry out work on cover panels.

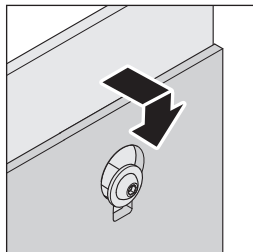
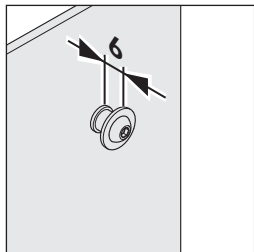
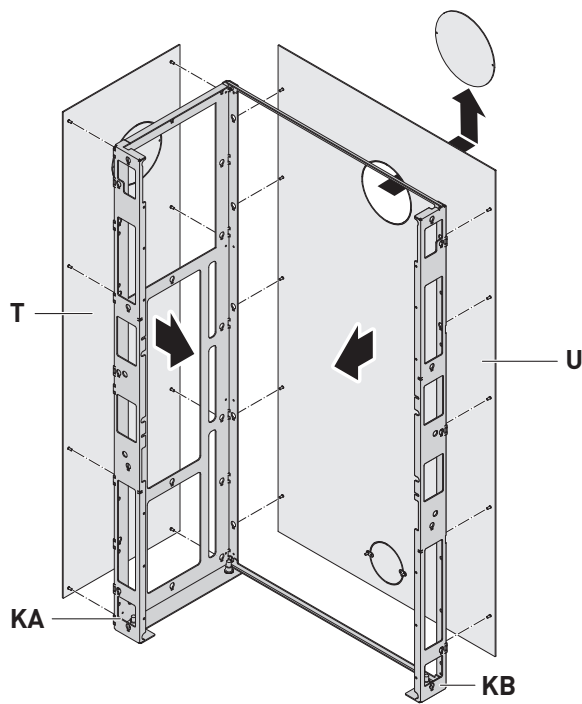
3.10 / 12



- Ensure that the hollow chamber seal is positioned on all sides and close to the outer edge.
- Glue the hollow chamber seal (**Q**) to the carrier frame (side-rear (**KA+KB**)) on all coating areas.
- Leave the openings open when inserting the cover panel elements.

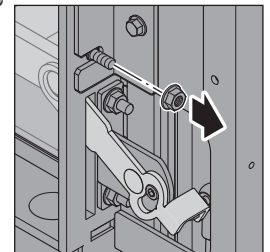
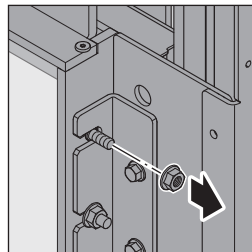
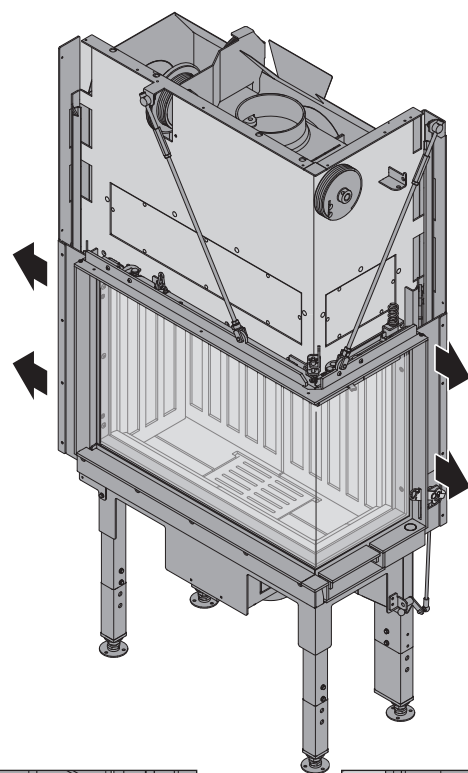
Assembly

3.10 / 13



- If necessary, remove the blind cover from the rear or side wall cover panel (**T, U**).
- The nuts on the cover panels elements are adjusted to fit at the factory. If the cover panel elements cannot be pushed in or are too loose, the nuts can be readjusted.
- Insert the rear and side wall cover panel (**T, U**) on the carrier frame (side-rear) (**KA+KB**).
- Push down the rear wall cover panel (**U**) in the groove

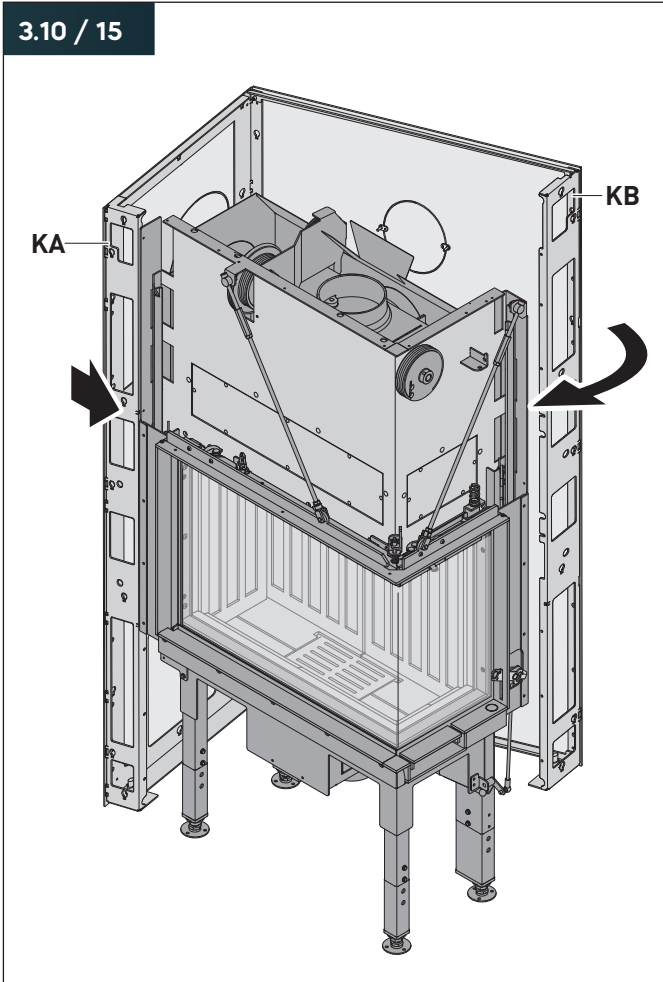
3.10 / 14



- Remove the upper and lower nuts of the screen brackets on both sides.

The transport lock must be removed before covering the fireplace insert further. Subsequent removal is no longer possible once the fireplace insert is covered.

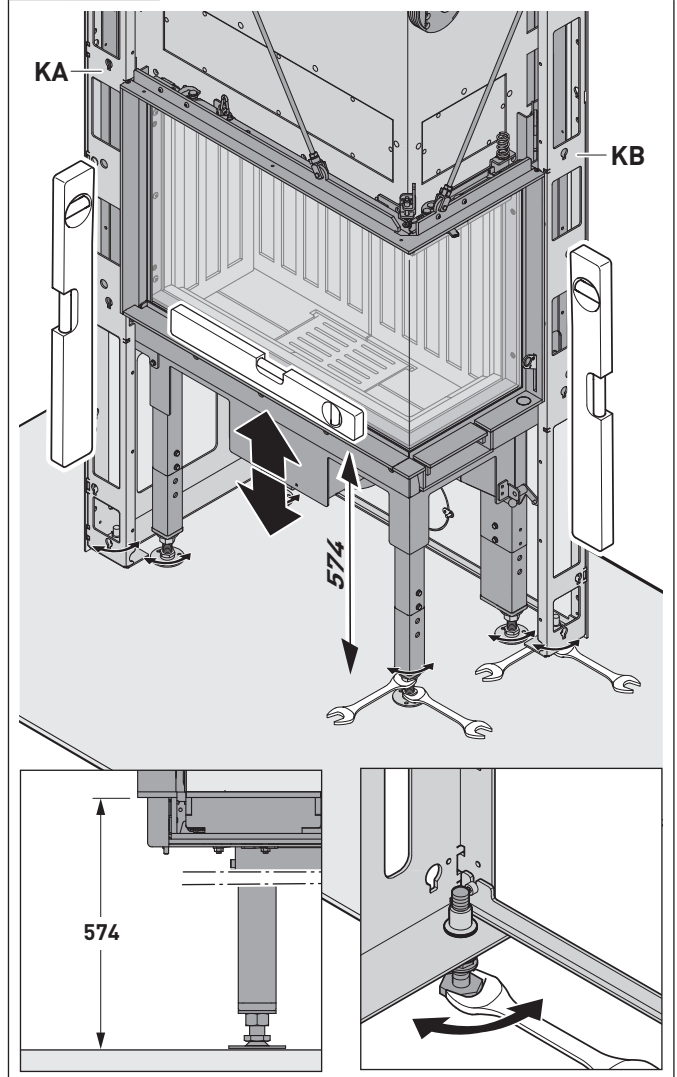
3.10 / 15



- ▶ Position the short side of the carrier frame (side-rear) (**KA+KB**) on the front edge of the unit.
- ▶ Push the carrier frame against the unit with a rotating movement.

The unit must be aligned with the surrounding screen.

3.10 / 16



- ▶ Position the unit with the carrier frame (side-rear) (**KA+KB**) at the desired final position.
- ▶ Ensure that the combustion chamber door is easy to open and move.
- ▶ Align the height of the unit.
- ▶ Adjust the unit vertically and horizontally.
- ▶ Secure the adjustable legs by tightening the nuts.
- ▶ Align the carrier frame (side-frame) perpendicularly.

The unit must be brought into the intended final position before further assembly. It is no longer possible to move the completely assembled unit due to its heavy weight.

- ▶ Position the unit, taking into account the requirements for the installation site.
 - ➔ "3.3 Requirements for the installation site" (page 17).

Assembly

- 💡 We recommend using a double wall lining for the connection to the chimney.

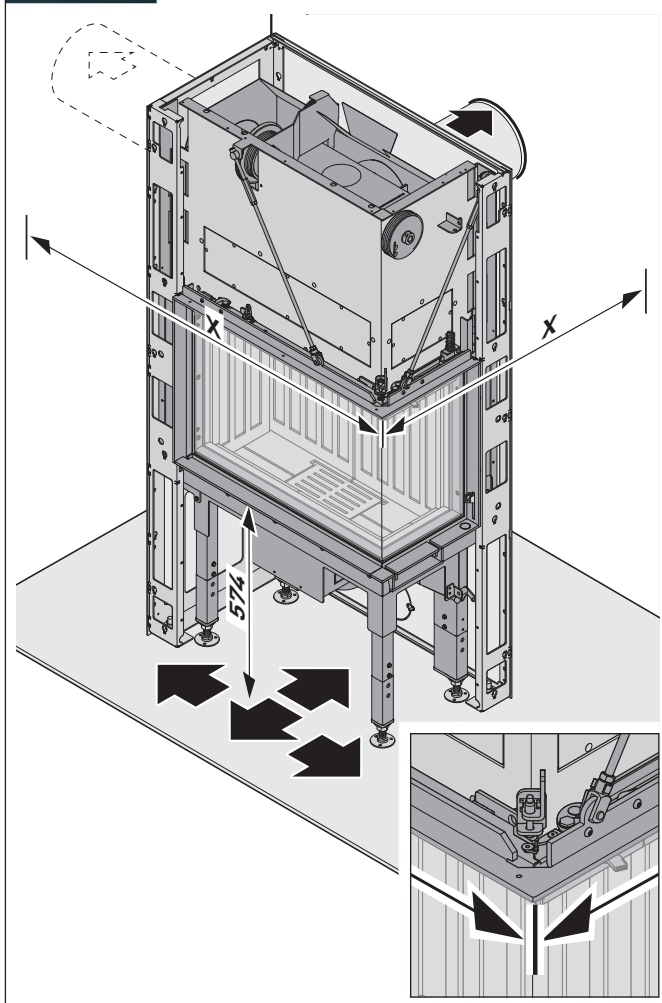
The total length of the flue gas pipe (DIN EN 1856-2) must be adjusted according to the type of installation.

➔ "3.3.3 Installation dimensions" (page 20).

- Adjust the overall length of the flue gas pipe.

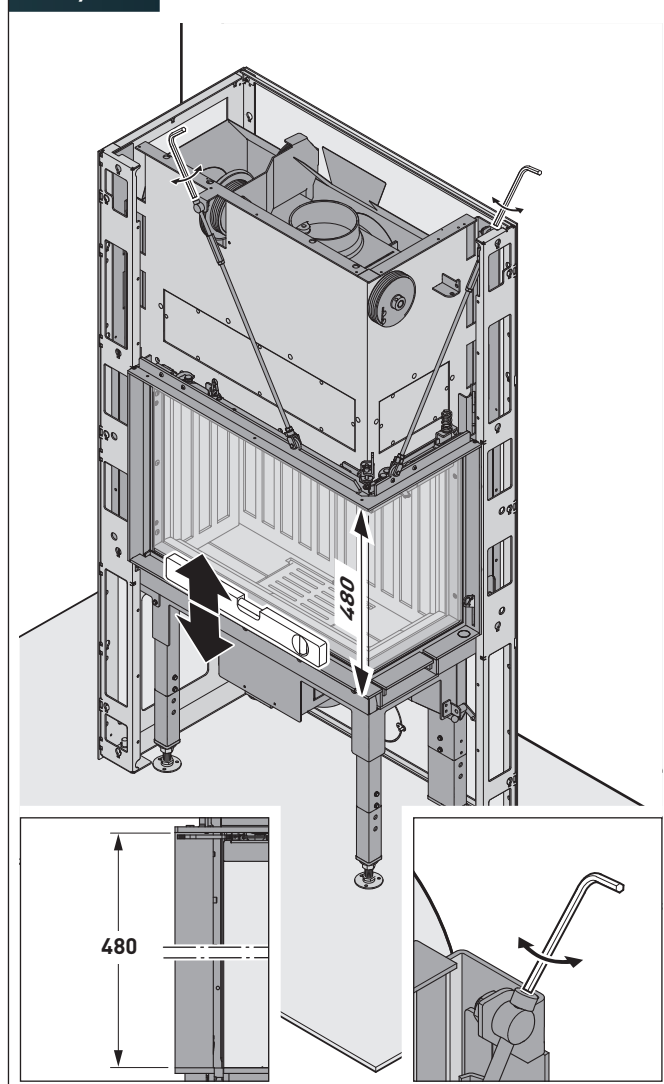
Connection of flue gas pipe to the rear or to the side

3.10 / 17



- Route the flue gas pipe to the chimney horizontally along the shortest path.
- Insert the flue gas pipe through the heat baffle panels (rear wall/sidewall) into the chimney wall lining.
- Push on the pipe bend and position the connecting pipe on the flue gas connection.
- Make sure that the flue gas pipe does not protrude impermissibly into the chimney.
- Ensure that the pipe connections are sealed.
- Check the height alignment of the unit once positioning is complete.

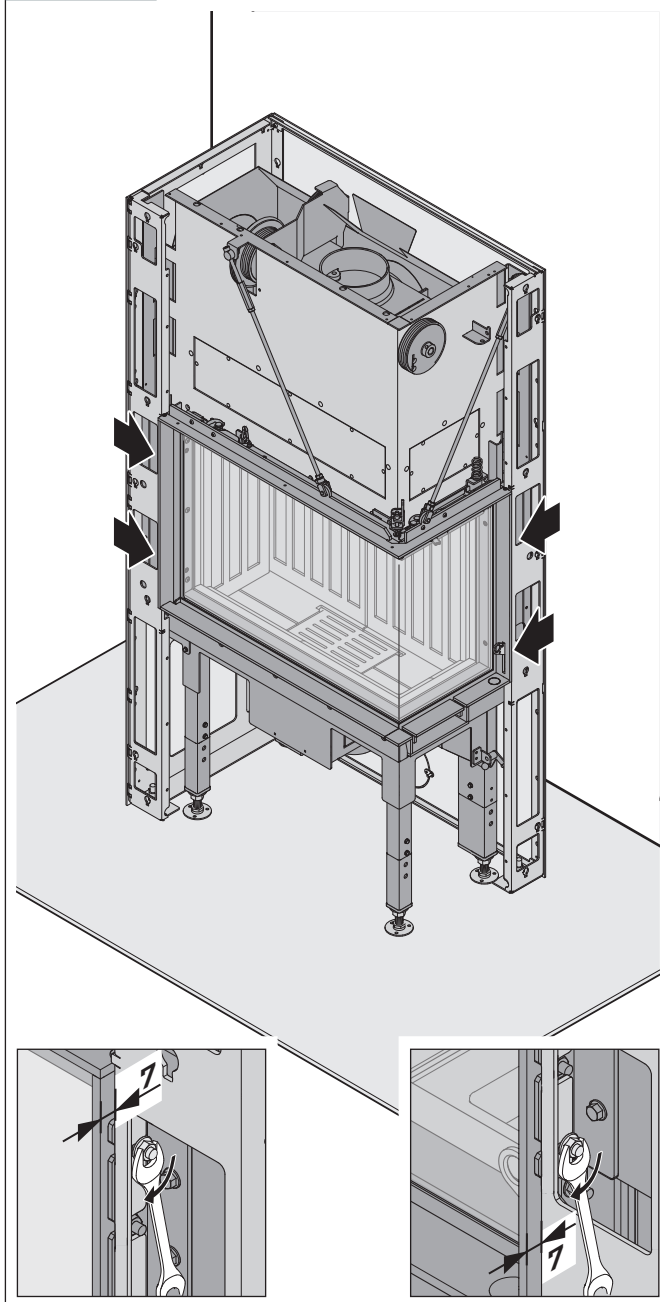
3.10 / 18



- Align the height of the upper support frame.
- Ensure that the combustion chamber door is easy to open and move.

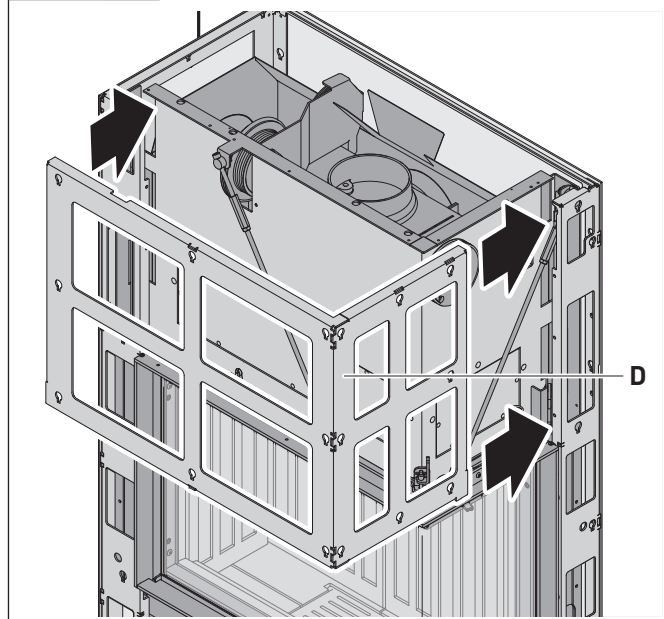
Distance between unit and wall (X)	Flue gas routing to the rear	Flue gas routing to the side
Installation flush with wall	443	825
Installation flush with corner	443	825
Freestanding installation	443 + (≥ 200)	825 + (≥ 200)

3.10 / 19



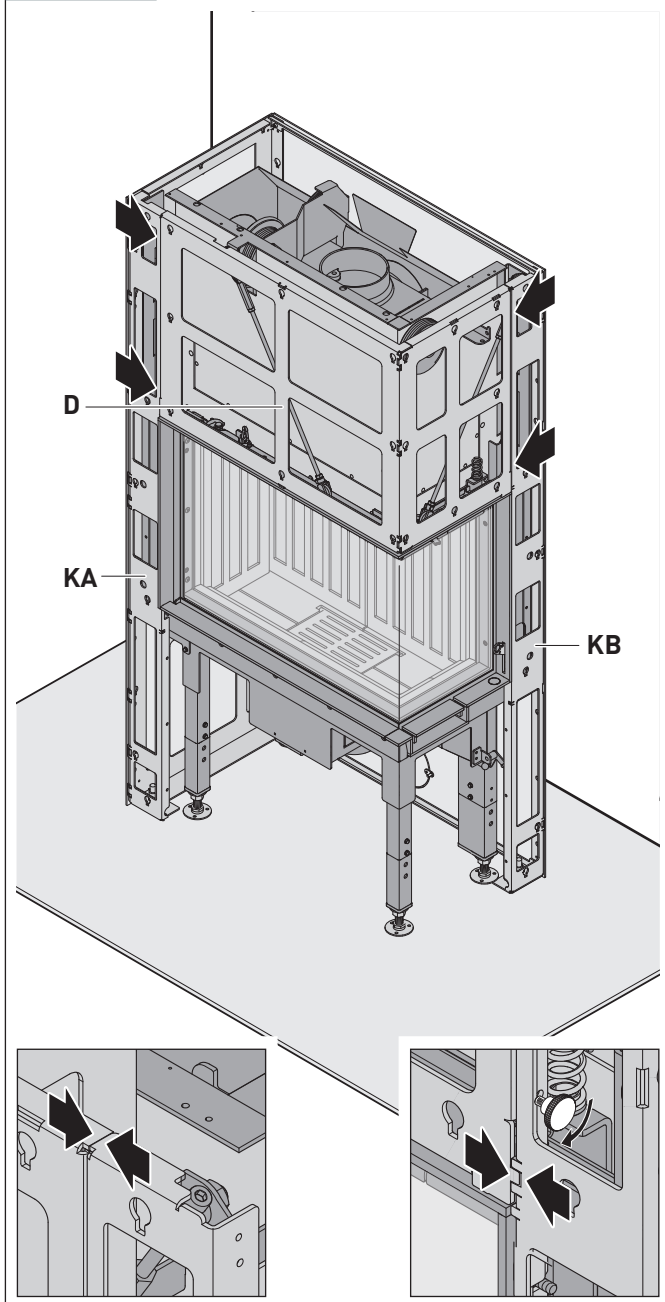
- Tighten the nuts on the screen brackets.

3.10 / 20



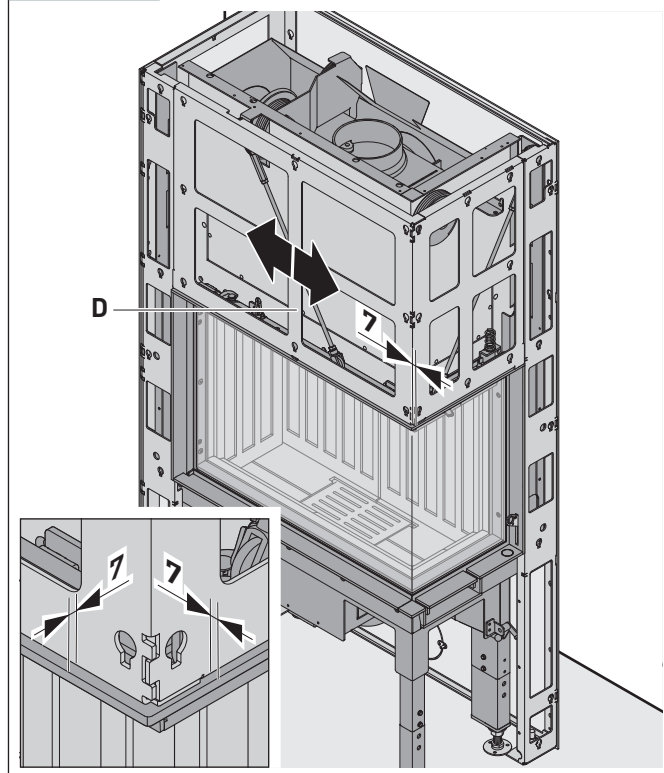
- Push the carrier frame (front-top) (D) onto the support frame.

3.10 / 21



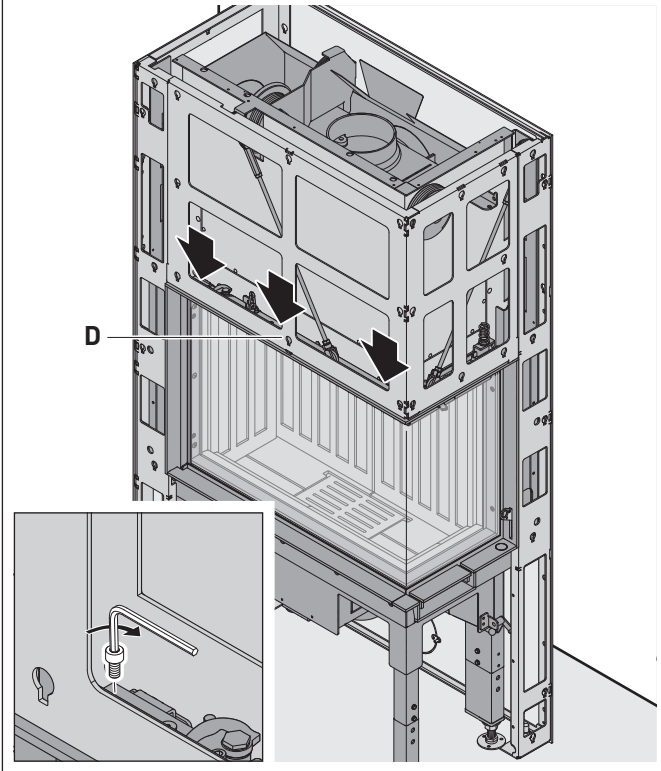
- Screw the carrier frame (front-top) (D) to the carrier frame (side-rear) (KA+KB)
- Align the carrier frames so they are flush.

3.10 / 22



- Align the carrier frame (front-top) (D).

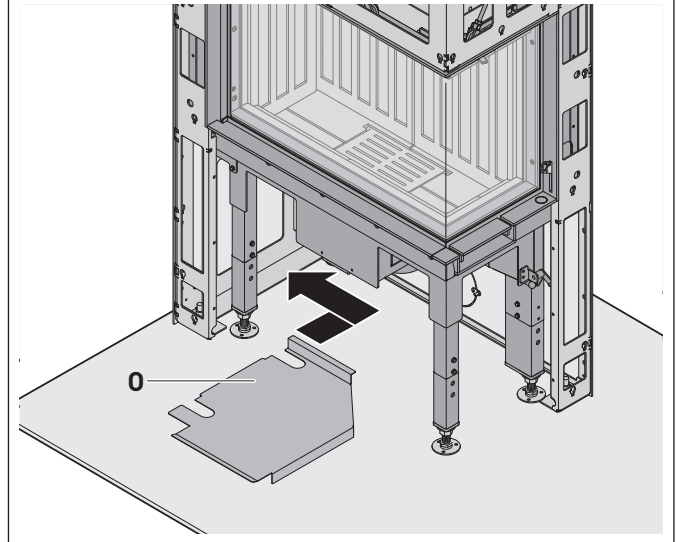
3.10 / 23



- Screw the carrier frame (front-top) (**D**) to the support frame.

Only for installation flush with corner:

3.10 / 24

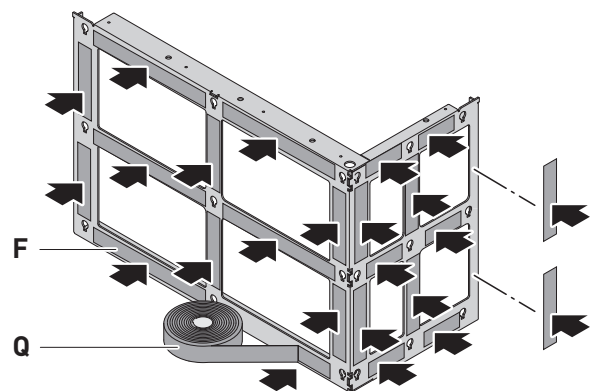


- Position the air guide plate so that the angle is on the bottom rack of the carrier frame.
- Push the air guide plate (**O**) against the short side of the carrier frame.

All layout variants:

To prevent noise from the cover panel elements when the door is opened and closed, a hollow chamber seal must be glued between all carrier frames and cover panel elements.

3.10 / 25

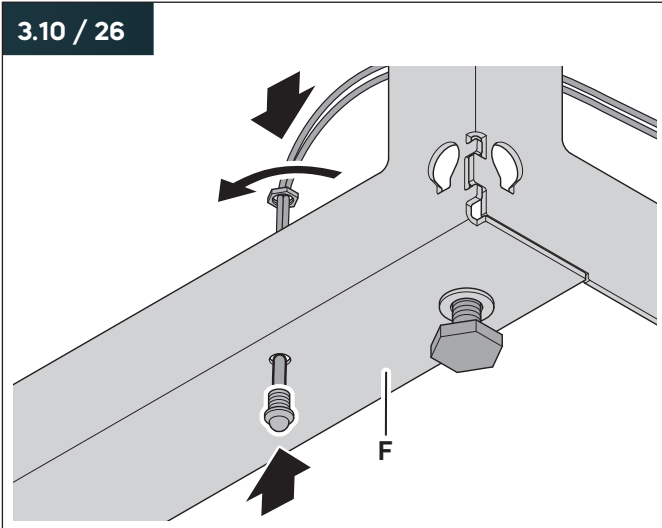


- Ensure that the hollow chamber seal is positioned on all sides and close to the outer edge.
- Glue the hollow chamber seal (**Q**) to the carrier frame (front-bottom) (**F**) on all coating areas.
- Leave the openings open when inserting the cover panel elements.

Assembly

Units with combustion control (S-Thermatik NEO) require insertion of an LED into the carrier frame (front-bottom). Later installation of the LED is not possible.

3.10 / 26



- Screw the LED to the carrier frame (front-bottom) (F).

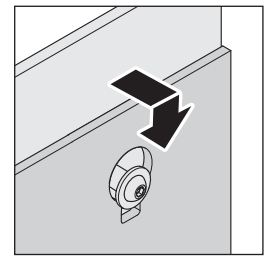
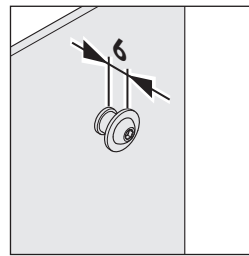
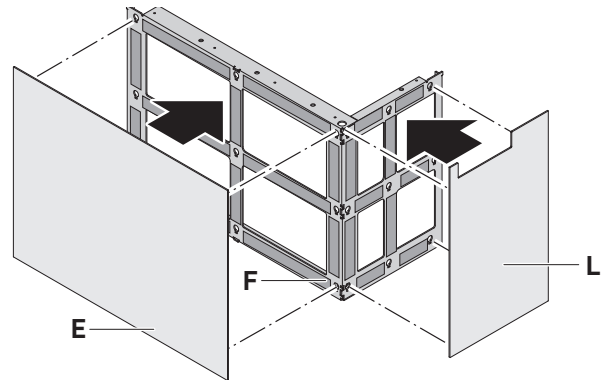
⚠ ATTENTION!

Risk of material damage caused by improper handling!

The surfaces of the cover panels can be easily scratched by external influences (e.g. rings, tools).

- Always use the cotton gloves provided when working on the cover panels.
- Always have two people carry out work on cover panels.

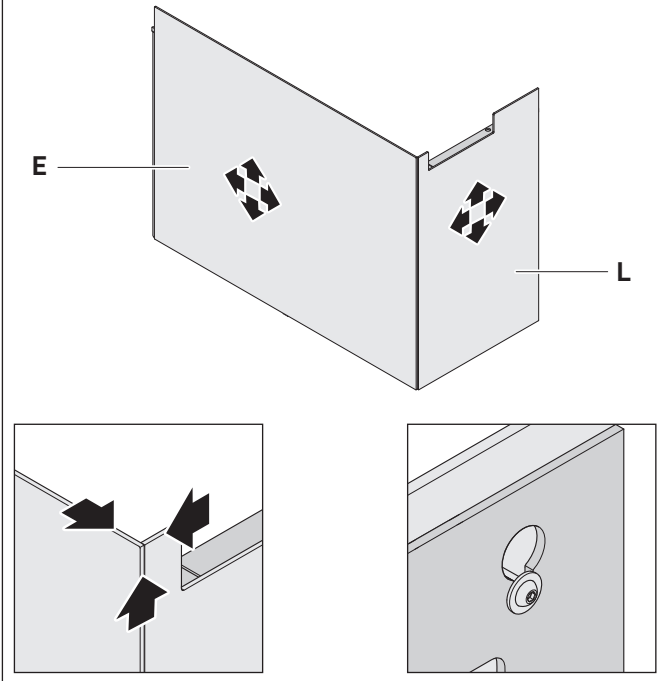
3.10 / 27



The nuts on the cover panels elements are adjusted to fit at the factory. If the cover panel elements cannot be pushed in or are too loose, the nuts can be readjusted.

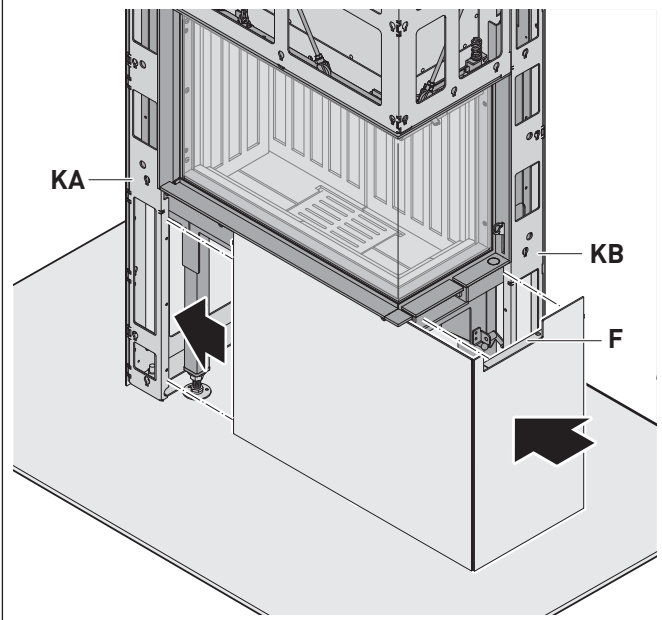
- Attach the cover panel elements (side-bottom) (L) and (front-bottom) (E) to the carrier frame (front-bottom) (F).
- Push the cover panel elements down in the groove.

3.10 / 28



- Align the cover panel elements (**E**, **L**) so that they are flush.

3.10 / 29

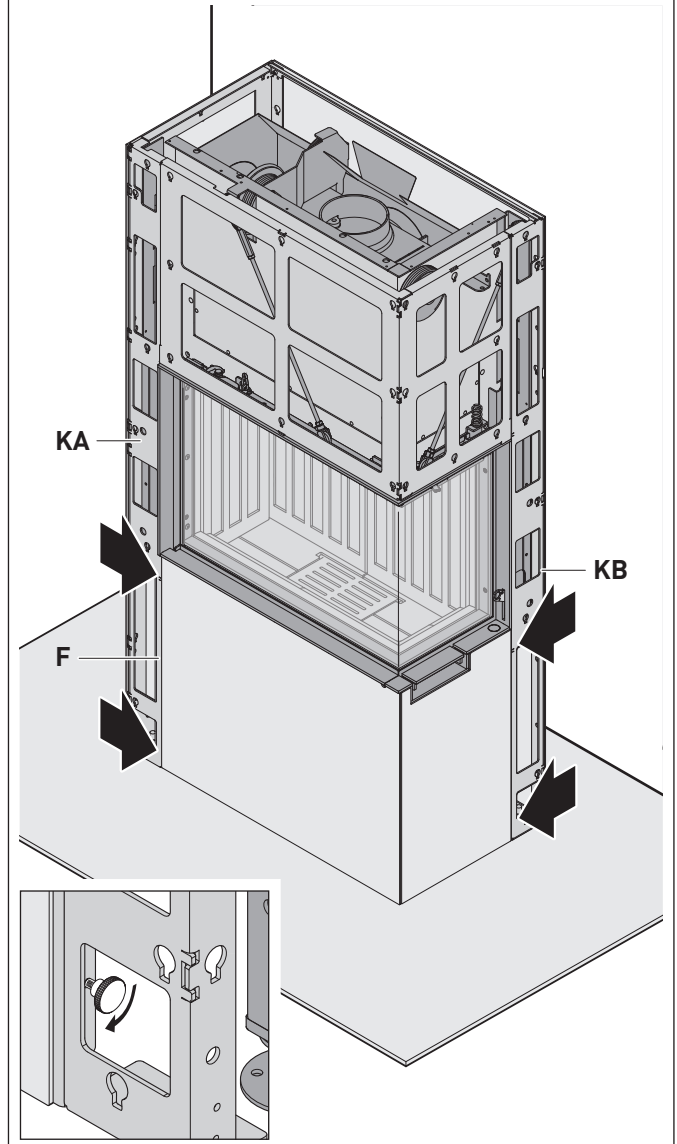


- Push the carrier frame (front-bottom) (**F**) against the carrier frame (side-rear) (**KA+KB**).

Only for units with S-Thermatik NEO.

- Connect the LED to the S-Thermatik NEO control system.
- 📖 For establishing the connection, refer to the S-Thermatik NEO manual.

3.10 / 30

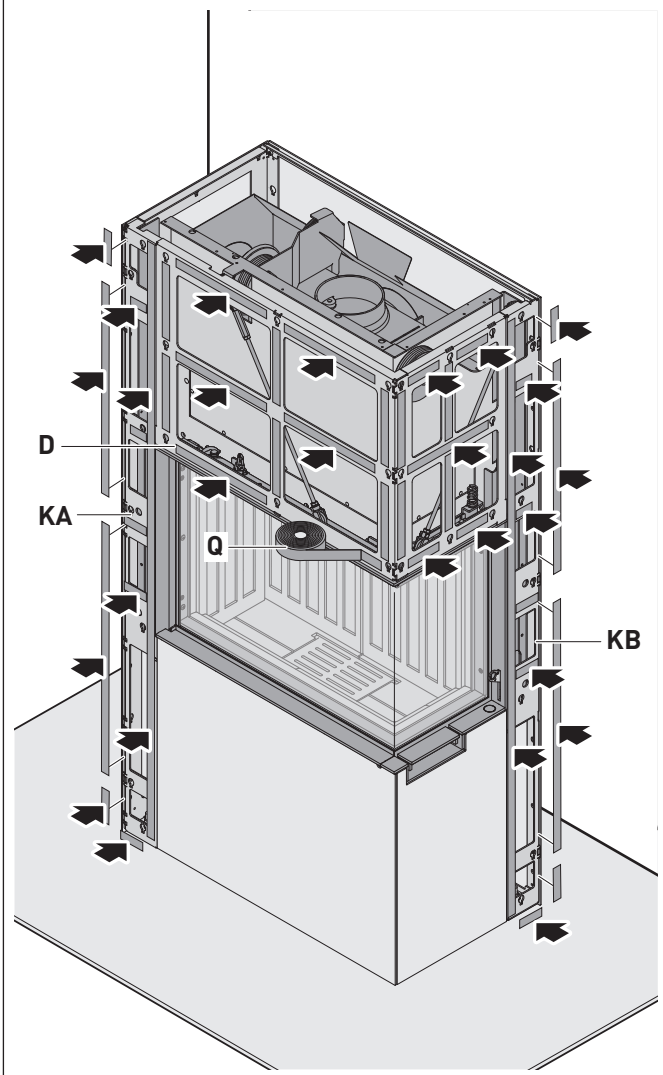


- Screw the carrier frame (front-bottom) (**F**) to the carrier frame (side-rear) (**KA+KB**).

Assembly

To prevent noise from the cover panel elements when the door is opened and closed, a hollow-chamber seal must be glued between all carrier frames and cover panel elements.

3.10 / 31



- Ensure that the hollow chamber seal is positioned on all sides and close to the outer edge.
- Glue the hollow chamber seal (Q) to the carrier frame (D+KA+KB) on all coating areas.
- Leave the openings open when inserting the cover panel elements.

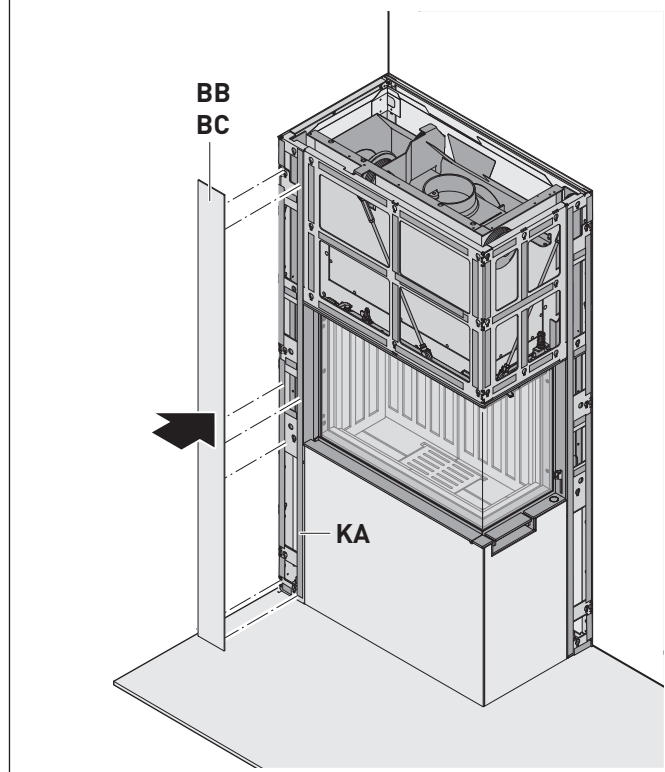
⚠ ATTENTION!

Risk of material damage caused by improper handling!

The surfaces of the cover panels can be easily scratched by external influences (e.g. rings, tools).

- Always use the cotton gloves provided when working on the cover panels.
- Always have two people carry out work on cover panels.

3.10 / 32

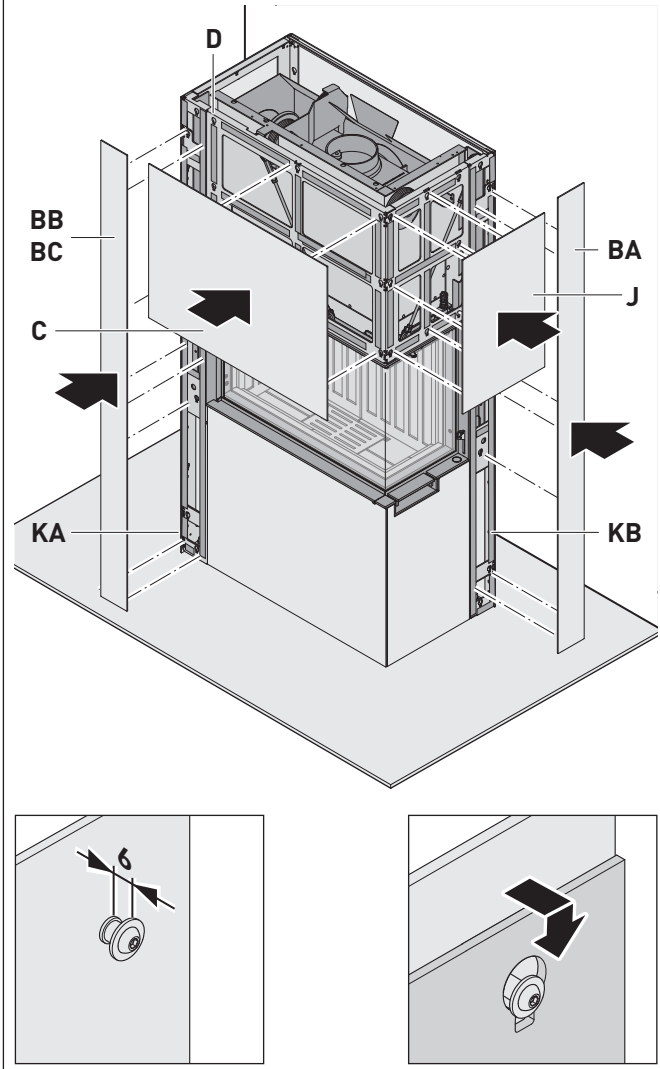


The cover panel element (side-long) to be installed on the carrier frame (rear) (KA) varies based on the installation variant.

Freestanding installation: Part **BB**, 104 mm wide.
Installation flush with wall: Part **BB**, 104 mm wide.
Installation flush with corner: Part **BC**, 121 mm wide.

- During subsequent installation, note the varying design of the cover panel element (side-long) on the carrier frame (rear) (KA).

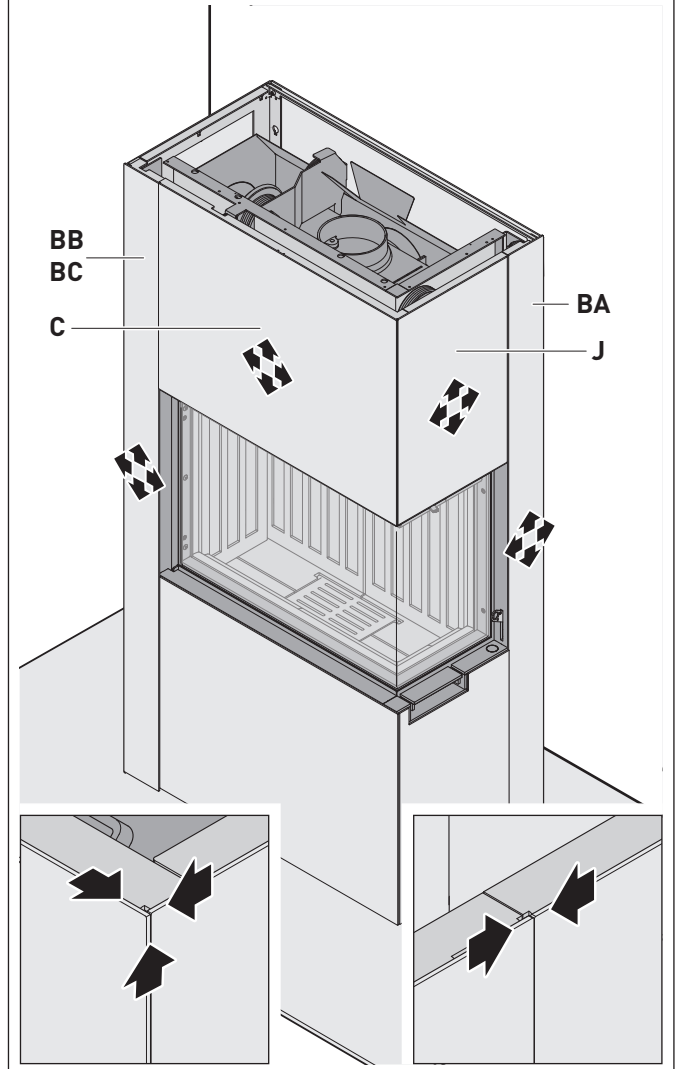
3.10 / 33



The nuts on the cover panel elements are adjusted to fit at the factory. If the cover panel elements cannot be pushed in or are too loose, the nuts can be readjusted.

- ▶ Attach the cover panel elements (**BA, BB/BC, C, J**) to the carrier frame (**D+KA+KB**).
- ▶ Push the cover panel elements down in the groove.

3.10 / 34



- ▶ Align the cover panel elements (**BA, BB/BC, C, J**) so that they are flush.

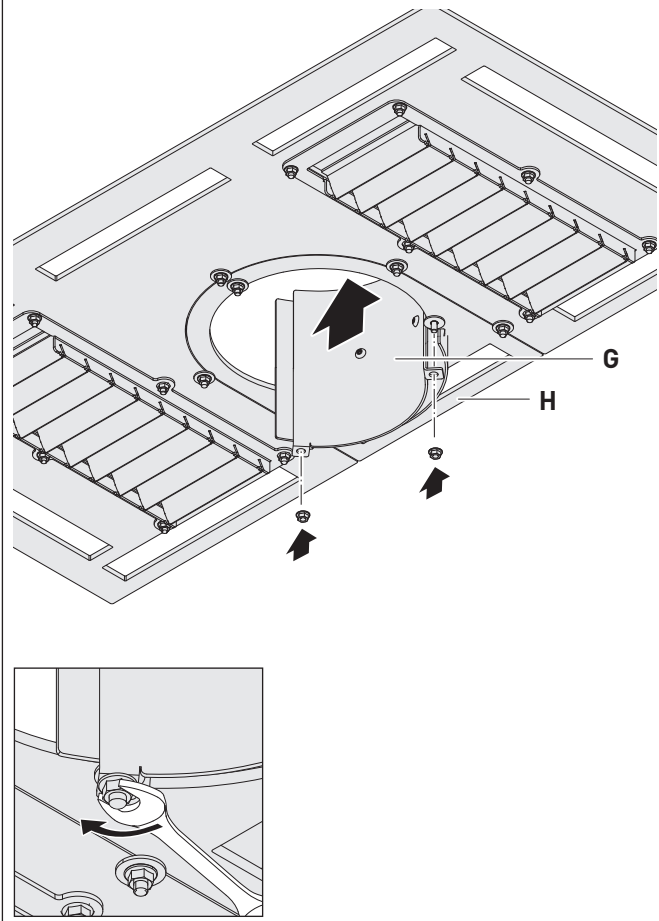
If storage stones are used:

- ▶ Now insert the storage stones.
- ➡ "3.11 Installing the storage stones (optional)" (page 55).

Assembly

The heat baffle guard for the upward flue gas outlet is only necessary when installing walls requiring protection (flammable). When using a double-walled, insulated flue gas pipe, the heat baffle guard can be omitted, regardless of the type of mounting wall.

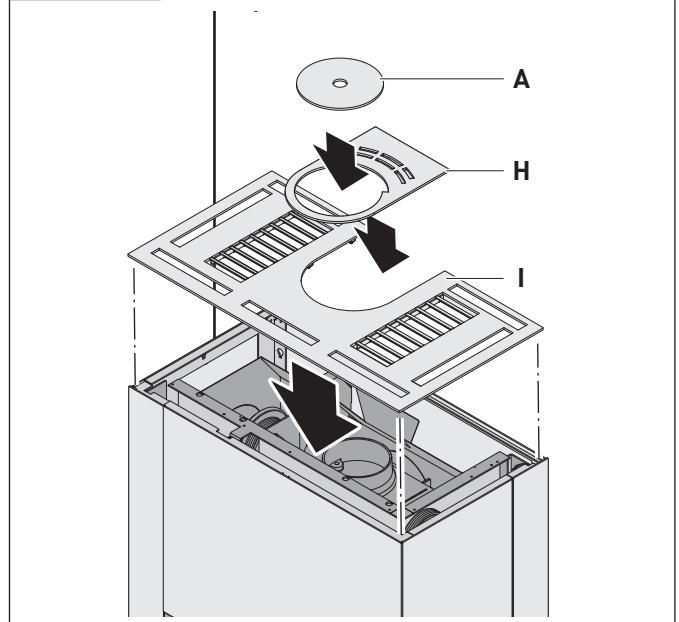
3.10 / 35



If necessary:

- Check the position of the heat baffle guard based on the flue gas pipe.
- Screw the heat baffle hood for the upward flue gas outlet (G) onto the flue pipe lead-through (H).

3.10 / 36



- Position the top plate (I) and the flue pipe lead-through (H) on the carrier frame.

With flue gas routing to the rear:

- Position the blind cover for the flue gas outlet (A) on the top plate.

3.11 Installing the storage stones (optional)

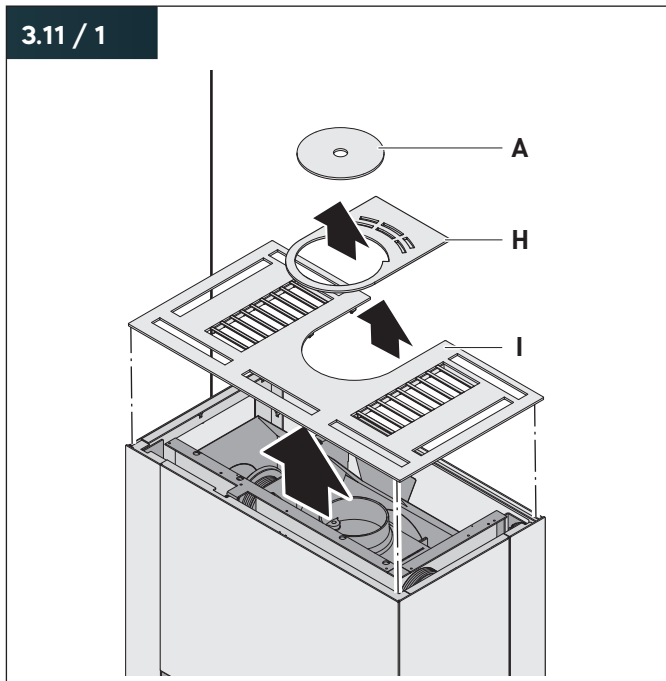
Installing additional storage stones is only possible with freestanding installation. Storage stones increase the heat storage capacity of the unit. Their high density and high weight allows them to store heat for several hours and emit it into the room where the unit is installed.

⚠ CAUTION!

Risk of injury caused by sharp edges!

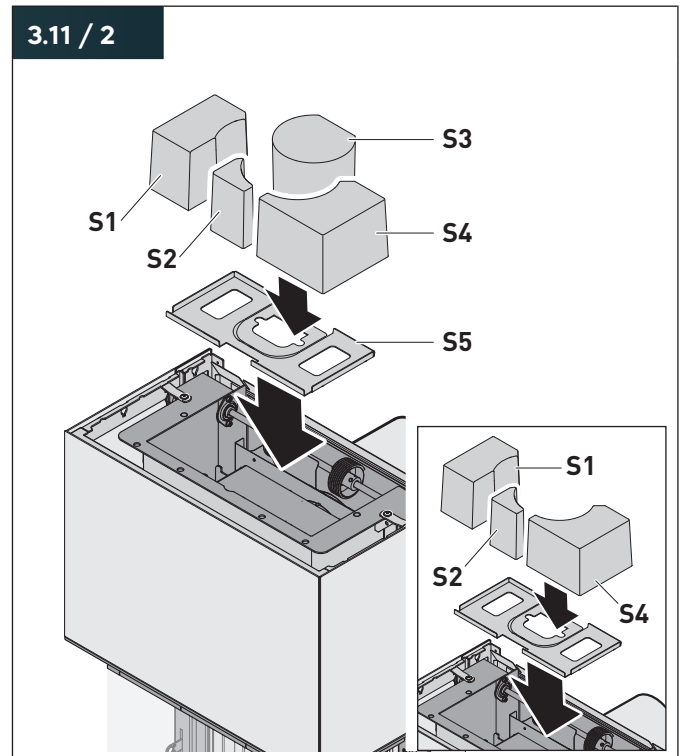
Storage stones may be heavy and have sharp edges. If the storage stones shift during movement, this may lead to hand injuries.

- Wear protective gloves when installing the storage stones.



- Remove the blind cover, the flue pipe lead-through and the top plate.

Saphir:

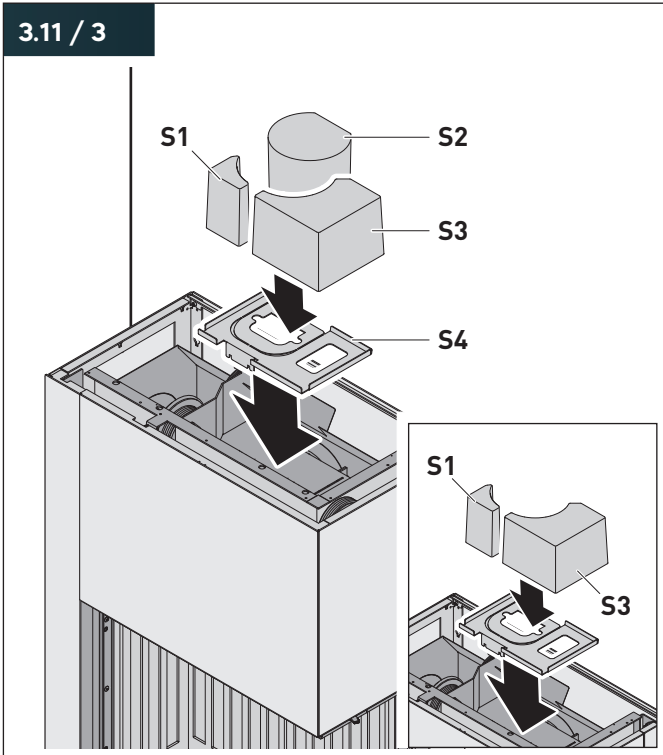


- Insert the holding plate (S5).
- Insert the storage stones:
 - For flue gas routing to the rear, all storage stones (S1, S2, S3, S4).
 - For upward flue gas routing, only the storage stones on the side (S1, S2, S4).

Assembly

Zirkon:

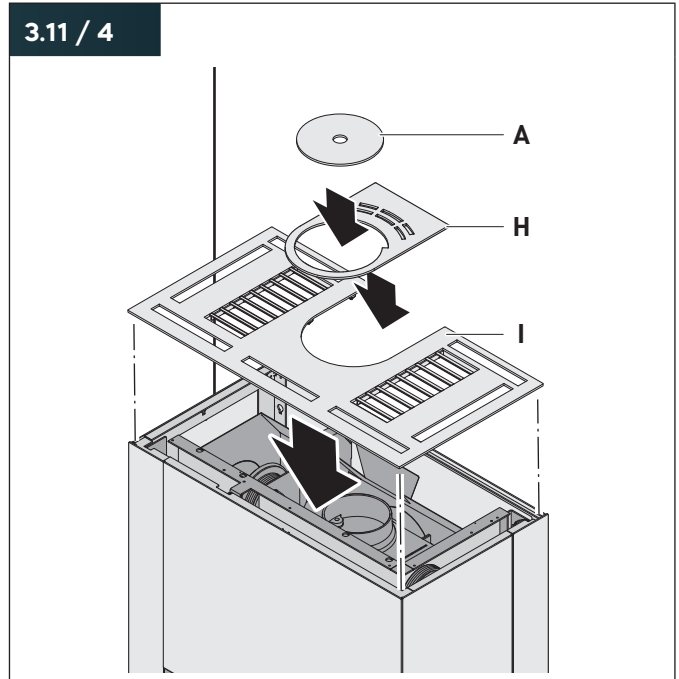
3.11 / 3



- ▶ Insert the holding plate (**S4**).
- ▶ Insert the storage stones:
 - For flue gas routing to the rear, all storage stones (**S1, S2, S3**).
 - For upward flue gas routing, only the storage stones on the side (**S1, S3**).

Saphir and Zirkon:

3.11 / 4



- ▶ Position the top plate (**I**) and the flue pipe passage (**H**) on the carrier frame.

With flue gas routing to the rear:

- ▶ Position the blind cover for the flue gas outlet (**A**) on the top plate.

3.12 Completing assembly

- ▶ Remove the attached adhesive labels from the unit and from the connection pipes.
- ▶ Ensure that all connections between the stove system and chimney are leak-tight.
- ▶ Ensure that the necessary safety distances are observed.
 - ➡ “3.3.2 Safety distances” (page 18).

Careful cleaning and maintenance is necessary to avoid corrosion and to protect the cover panel elements from damage.

➡ “4. Cleaning” (page 58).

Before using the stove, initial commissioning must be carried out and recorded. There must also be a briefing for the operators. Detailed information on this can be found in the manual for the fireplace insert.

📖 Assembly and operating manual for Premium & Lean fireplace inserts

To use, clean and service the stove, observe the instructions for the fireplace insert.

📖 Assembly and operating manual for Premium & Lean fireplace inserts

4. Cleaning

ATTENTION!

Risk of material damage caused by improper cleaning!

Incorrect cleaning may damage the unit (e.g. surface damage due to rust or scratches). This chapter contains important information for cleaning the unit.

- ▶ Carefully read this chapter.
 - ▶ Perform the cleaning work as described.
-

Cleaning may only be performed by instructed users.
⇒ "1.2.4 Users" (page 4).

To clean the fireplace, observe the instructions for the fireplace insert.

-  Assembly and operating manual for Premium & Lean fireplace inserts

5. Disassembly

5.1 Safety information for disassembly

WARNING!

Danger due to non-adherence to disassembly instructions!

Incorrect disassembly of the unit may lead to severe injuries.

This chapter contains important information for safe disassembly of the unit.

- ▶ Carefully read this chapter prior to disassembly.
- ▶ Adhere to the safety information.
- ▶ Perform the disassembly work as described.

Only qualified personnel may disassemble the unit.
Electrical work may only be performed by qualified electricians.

⇒ "1.2.3 Qualified personnel" (page 4).

To prevent danger, always adhere to the following requirements:

- The unit and other parts that you may come in contact with have cooled down for a sufficient period.
- No heat or glowing embers remain in the firebox.
- The surroundings of the stove system are protected, e.g. by means of covers for the floor and furniture.

Prior to disassembly, clean the unit and the stove system.

- 📖 Assembly and operating manual for Premium & Lean fireplace inserts

5.2 Dismantling the unit

- ▶ Remove all connections between the stove system and the chimney.
- ▶ Remove all pipes from the flue gas routing system.
- ▶ If installed, remove all pipes from the combustion air line.

6. Disposal

6.1 Disposing of the packaging

ATTENTION!

Risk of environmental damage caused by improper disposal of the packaging!

- ▶ Do not dispose of the packaging with the normal household waste.
- ▶ Ensure that the packaging is recycled in a proper, environment-friendly manner.

The packaging is intended to protect the unit from transport damage. The packaging materials have been selected based on their environment-friendly characteristics and are made of recyclable materials. The packaging materials can be returned to the raw material cycle after use.

- ▶ Dispose of the packaging in an environmentally friendly manner, separated by the types of material.



6.2 Disposing of the unit

ATTENTION!

Risk of environmental damage caused by improper disposal of the unit!

- ▶ Do not dispose of the unit with the normal household waste.
- ▶ Ensure that the unit is recycled in a proper, environment-friendly manner.

- ▶ Dispose of the unit according to the legal regulations through a specialised disposal company or your local disposal facilities.



7. Appendix

7.1 Accessories

- Flue gas connection bend set (suitable for any model).

For the fireplace insert:

- S-Thermatik NEO combustion control.
- Underpressure control S-USI II.
- SESAM III electric door lift (for opening and closing the combustion chamber door).

If required and for additional information (e.g. brochures, spare parts, price lists):

- Please contact the manufacturer or a specialist shop.

📄 www.spartherm.com

7.2 Standards and regulations

Relevant regulations – without claim to completeness:

- **FeuVo**: Firing installation regulation of the respective German state.
- **LBO**: State construction regulations or fire protection regulations.
- **VKF**: Association of Fire Insurances of the Cantons (Switzerland).
- **LRV**: Clean air act (Switzerland)
- **1st BImSchV**: First directive for implementation of the German Federal Immission Control Act.
- **TROL**: Professional regulations of the tiled stove and air heater construction trade (ZVSHK).
- **DIN 1298 / DIN EN 1856**: Connecting flue pipes for heat generating systems.
- **DIN EN 16510**: Residential solid fuel burning appliances
- **DIN 18896**: Fireplaces fired by solid fuel. Technical specifications for installation and operation.
- **DIN EN 13384**: Calculation methods for chimneys.
- **DIN 18160-1/2**: Flue gas systems/chimneys.
- **DIN 4751 / DIN EN 12828**: Heating systems in buildings - Design for water-based heating systems.
- **VDI 2035**: Water treatment for heating systems.
- **DIN EN 13063**: Chimneys – System chimneys with clay/ceramic flue liners.
- **DIN EN 14989**: Chimneys – Requirements and test methods for metal chimneys and material independent air supply ducts for roomsealed heating applications.
- **DIN EN 15287**: Chimneys – Design, installation and commissioning

7.3 Declarations of conformity

The design and operating behaviour of this product complies with the European directives and the additional national requirements. This compliance is certified by the CE label.

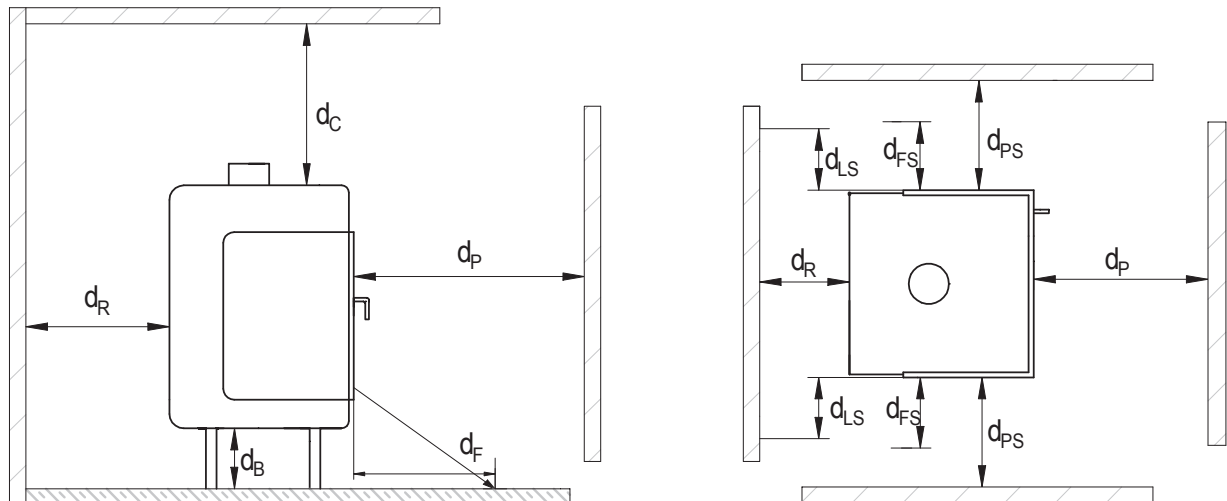
The following documents are available on the manufacturer's website:

- Declaration of Conformity
- Declaration of performance according to EU 305/2011.
- Declaration according to ecodesign directive.

📄 www.spartherm.com

7.4 Fire protection drawings

7.4.1 Saphir



Legend:

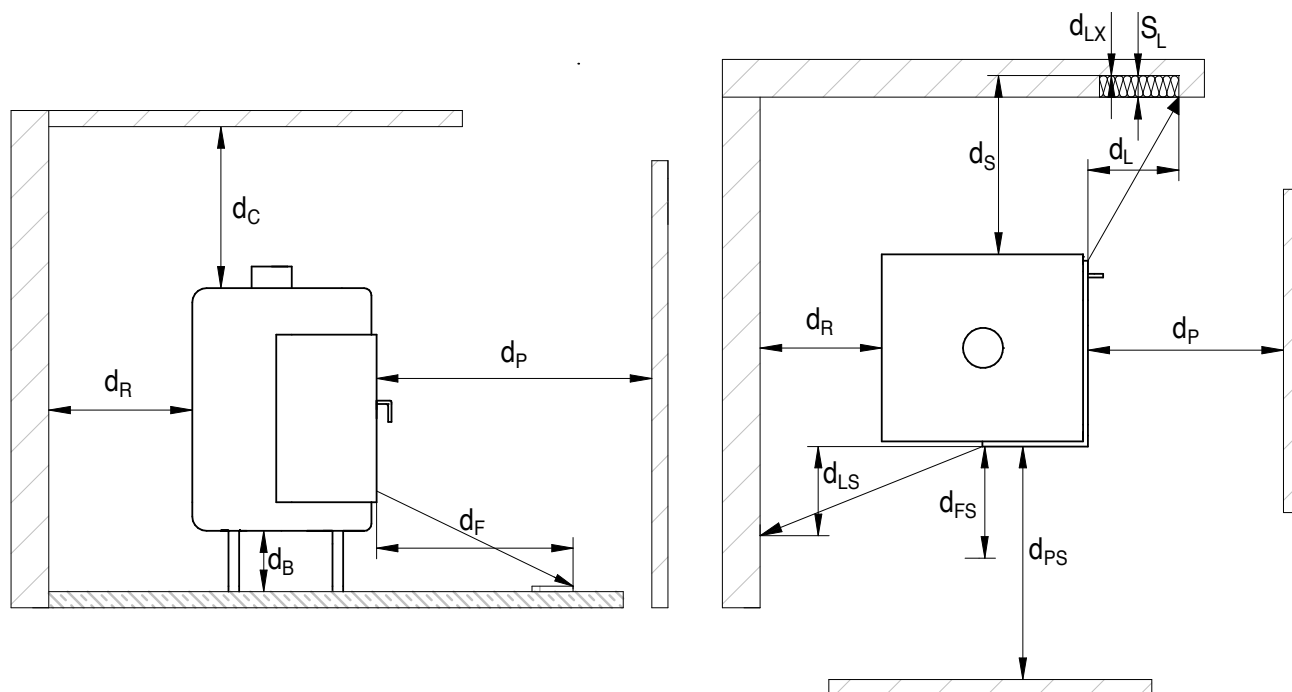


Designation	Abbreviation	Unit	Value
Distance from protective components, front pane (radiation area)	d_P	mm	800
Distance from protective components, side pane (radiation area)	d_{PS}	mm	800
Distance from the side to protective components on the sidewall	d_{LS}	mm	–
Distance from protective components on the floor going forward	d_F	mm	0
Distance from protective components on the floor toward the side	d_{FS}	mm	0
Distance between fireplace and ceiling	d_C	mm	750
Distance between fireplace and wall at back	d_R	mm	0
Distance between fireplace and floor	d_B	mm	35

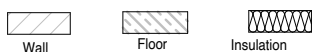
Please note:

- Insulation only applies to components with a U value (heat transmission coefficient) $\frac{W}{m^2K} > 0,118$ With a U value $< 0,118 \frac{W}{m^2K}$ adhere to the country-specific requirements.
- Distances and insulation are min. specifications referring to test conditions / test results. Refer to and adhere to the professional rules of TROL (German stove building regulations).
- Prior to starting construction, discuss the installation situation with the competent chimney sweep. - Adhere to the assembly and operating manual.

7.4.2 Zirkon



Legend:



Designation	Abbreviation	Unit	Value
Distance from protective components, front pane (radiation area)	d_P	mm	1100
Distance from protective components, side pane (radiation area)	d_{PS}	mm	800
Distance from the front side to protective components on the sidewall	d_L	mm	480
Distance from the side to protective components on the sidewall	d_{LS}	mm	0
Distance from protective components on the floor going forward	d_F	mm	0
Distance from protective components on the floor toward the side	d_{FS}	mm	0
Distance between fireplace and ceiling	d_C	mm	750
Distance between fireplace and wall at side	d_S	mm	0
Distance between fireplace and wall at back	d_R	mm	0
Distance between fireplace and floor	d_B	mm	25
Distance between insulation and wall in front area on side	d_{LX}	mm	0
Insulation layer thickness on the side wall in the radiation area	s_L	mm	30

Please note:

- Reference insulation material (rock wool according to AGI-Q 132) specified + 100 mm brick lining
- Distance only applies to components with a U value (heat transmission coefficient) $> 0,12 \frac{W}{m^2K}$. With a W/U value $< 0,12 \frac{W}{m^2K}$

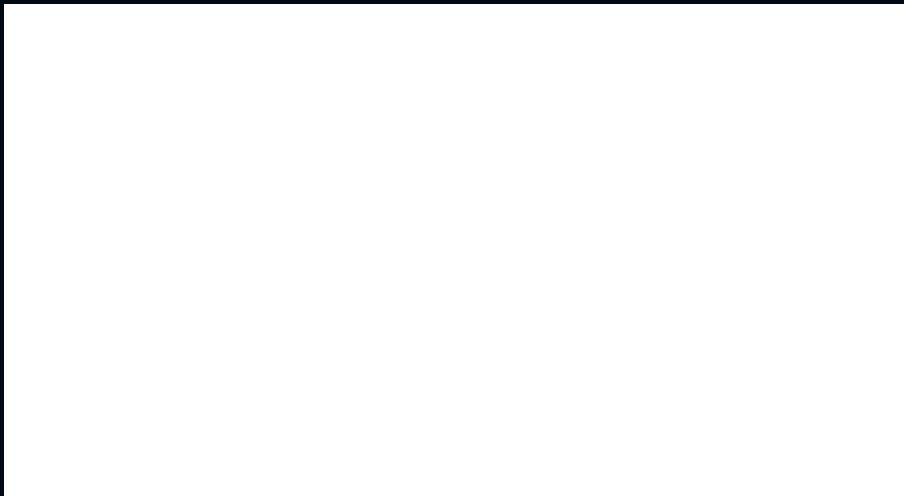
adhere to country-specific requirements.

- Distances are min. specifications referring to test conditions / test results. Refer to and adhere to the professional rules of TROL (German stove building regulations).
- Prior to starting construction, discuss the installation situation with the competent chimney sweep.
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