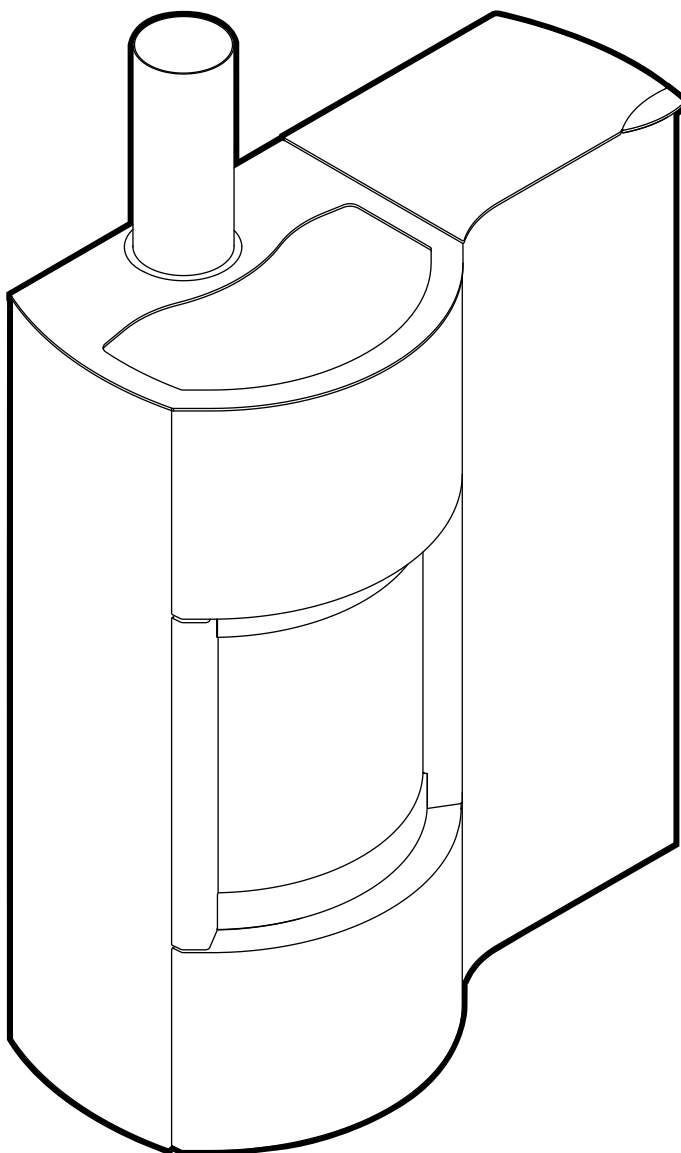


Installation manual s[P20]B

For professional use



Welcome to the world of Stûv

You have just opted for an eco-friendly, high-performance heating system.

We hope that you enjoy using it from this moment on. You will find advice and the installation instructions in this document.

The operating instructions, which are on an additional leaflet, will guide you on the use and maintenance of your Stûv.

We highly recommend that you entrust the installation of this Stûv to a qualified professional who can especially check that the characteristics of the flue correspond to the installed stove.

The installation of the stove, its accessories and the materials which surround it must comply with all regulations (local and national) and all of the standards (national and European) of the country of installation.

Any changes made to the appliance can be dangerous.

In addition, the appliance will no longer be covered by its warranty. We recommend that you read this manual before carrying out the installation.

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General information

1. Recommendations

Read the installation instructions and user manual before installation and actual use. Also, follow the usage instructions for your fireplace.

This appliance must be installed by a professional who has undergone the appropriate training with the manufacturer Stûv or one of its importers.

Once the Stûv P20-B is installed, please hand this manual to the user.

The signing of the delivery note constitutes the acceptance and acknowledgment of the goods by the recipient, confirming that they are in accordance with the ordered goods. It is therefore important to check the integrity of the goods upon delivery. Follow the maintenance instructions.

⚠ Any modification made to the appliance can be dangerous. Follow the specific instructions.

The installation of the fireplace, its accessories, and surrounding materials must comply with all regulations (local and national) and all standards (national and European).

2. Precautions for surrounding materials

The construction materials around the device may heat up. It is important to ensure that they can withstand this temperature, both for their structural integrity and for the risks of harmful emissions.

⚠ Refer to the Stûv safety distances to combustible materials in order to carry out your installation.

⚠ If local or national regulations are more stringent than those imposed by Stûv, these regulations take precedence over those of the manufacturer.

3. Load-bearing capacity of the structure

Ensure that the floor's load-bearing capacity is sufficient to support the fireplace and its surround; if in doubt, consult a specialist.

4. Recommendations for the disassembly, recycling, and disposal of the device at the end of its life cycle

Stûv is firmly committed to an environmentally responsible approach.

We consider the end of life of our products. Each component of the device can be isolated for sorting and thus optimal recycling.



The disposal of the various parts must be carried out in accordance with local and national regulations.

5. Legal terms of use

⚠ This device must under no circumstances be used by children under the age of 8.

⚠ This device may only be used by individuals with physical, sensory, or mental limitations if they are supervised or have received the necessary training to use the device safely.

⚠ Cleaning and maintenance by the user cannot be performed by children without supervision.

⚠ Children are not allowed to play with the device! Certain parts of the fireplace - the glass and outer walls - can become very hot even during normal use (nominal power), and the radiation from the glass may be significant.



1. CE marking

					European Standards: EN 16510-2-6:2022 Notified body identification number: 0051 Declaration of performance reference number : 25-1651062-01			
25 Stûv S.A. Rue Jules Borbouse 4, 5170 Bois-de-villers STÛV P20 B					Intended use : Pellet stove for space heating in residential buildings. Please read and follow the user instructions before starting! Only use recommended fuels : Wood pellets diameter 6 mm, quality standard EN+A1			
Hygiene, health and environment		Nominal output		Part load output	Energy economy and heat retention		Nominal output	Part load output
Emissions at 13% d'oxygène		CO	10 mg/Nm³	83 mg/Nm³	Space heat output		8,5 kW	3,7 kW
		NOx	99 mg/Nm³	90 mg/Nm³	Water heat output		n.a.	n.a.
		OGC	<1 mg/Nm³	<1 mg/Nm³	Efficiency		90,9 %	95,0 %
		PM	5,1 mg/Nm³	7,3 mg/Nm³	Saisonal space heating efficiency at Nom. output		87,7 %	
Fire safety		Total distance	Convection air space	Insulation (Thermal conduct. of 0.105 W/m.K at 400°C)	Energy-Efficiency Index (EEI)		129	
Rear	dR	100mm	100mm	-	Energy-Efficiency class		A+	
Sides	dS	100mm	100mm	-	Electric power consumption at nominal output		0,024 kW	
Ceiling	dC	750mm	750mm	-	Electric power consumption at part load output		0,023 kW	
Bottom	dB	0mm	0mm	-	Power consumption in standby mode		0,004 kW	
Front (e.g. furniture)	dP	700mm	700mm	-	Electric power (peak)		1,1 kW	
Floor in front	dF	0mm	0mm	-	Electric power (average)		0,023 kW	
Side radiation	dL	450mm	450mm	-	Voltage		230 V	
					Frequency		50 Hz	
Safety and accessibility in use					Nominal output		Part load output	
Flue gas outlet temperature			218,4° C		111,9 °C		Mechanical resistance and stability Load bearing capacity NPD	
Minimum flue draught			0 Pa		0 Pa			
Flue gas mass flow			5,3 g/s		2,7 g/s			
Fire safety of installation to the chimney			T 400 G					

2. Energy label and product sheet

ENERG
енергия - ενέργεια

Y IJA
IE IA

stuv

P20-B

A++
A+
A
B
C
D
E
F
G

A+

8,5
kW

Manual defrosting (snowflake icon)

ENERGIA - ЕНЕРГИЈА - ENERTEIA - ENERGIJA - ENERGY - ENERGIE - ENERGI

2015/1186

Product data sheet EU 2015/1186				
Stûv s.a. Rue Jules Borbouse,4 5170 Bois-de-Villers info@stuv.com – www.stuv.com				
Model reference: STÛV P20 B				
Energy efficiency class				
Direct thermal power	8,5 kW			
Indirect thermal power	-			
Energy efficiency rating	129			
Output at rated thermal input	90,9 %			
Output at minimum capacity	95,0 %			
Special precautions that must be taken during assembly, installation or maintenance of the decentralised heating device:				
Consult the installation, usage and maintenance instructions				

Product presentation

1. Norms, aggregations and technical characteristics



In all cases, your installation must comply with the standards EN 15287-1 or -2 and their annexes. Consequently, your flue must comply with the EN 13384-1 standard and its annex.

The **Stûv P20-B** fireplaces (for intermittent use) meet the requirements (efficiency, gas emissions, safety, ...) of the European standards **EN 16510-2-6**.

The following data are provided by an accredited laboratory.
Test results according to the standards EN 16510-2-6.
Domestic pellet convection heating appliances.

The Stûv P20-B is covered by:

Patents No.:
EP 2304319
JP 5390603
US 8.904.944
US 8.826.899

Patents pending
Designs No.: 15024223

Calculation data for ducts according to EN13384-1

	Minimum Power	Maximum power
CO ₂ concentration	10 %	12,6 %
Heat power	3,7 kW	8,5 kW
Performance	95,0 %	90,9 %
Average smoke temperature at the outlet of the device	111,9 °C	218,4 °C
Smoke mass flow rate	2,7 g/s	5,3 g/s
Recommended draught	6 Pa	6 Pa
Minimum draught at the output of the appliance for flue calculation	0 Pa	0 Pa

Requirements relating to the electrical power supply

Voltage	220 V
Frequency	50 Hz
Electric power consumption on ignition (peak)	1,1 kW
Electrical power consumption under normal operation	0,024 kW

Requirements relating to fuel

Recommended fuel	Exclusively wood pellets
Certification	Din plus, EN plus A1
Diameter	6 mm

Air supply requirements

Minimum diameter of the air supply duct	60 mm
Maximum length of air supply duct	5 m
Maximum number of 90° bends	4
Minimum cross-section of combustion air supply from outside (when the stove is not connected directly to the outside air)	30cm ²

Autre

Mass of the stove (without pellet)	158 kg
------------------------------------	--------

ECODESIGN TECHNICAL PARAMETERS FOR DECENTRALISED SOLID FUEL HEATERS



according to commission (EU) 2015/1185 and 2015/1186 and Ecodesign regulations

Details of the device:

Model reference(s) :	STÛV P20 B	Notified body/ Body number :	0051
Equivalent(s) model(s) :	-	Test report number :	CS25-0114927-01
Indirect heating functionality:	no	Application of harmonised standards :	EN16510-2-6:2022
Direct thermal power:	8,5 kW	Other standards applied / technical specifications:	-
Indirect thermal power:	0,0 kW		

Détails du combustible de référence (un seul) :

Fuel	Reference fuel (only one):	Other eligible fuel (s):	Seasonal space heating energy efficiency η_s [%]:	Emissions from space heating at rated thermal output (*) :				Emissions from space heating at minimum heat output (*) (**):			
				PM	OGC	CO	NO _x	PM	OGC	CO	NO _x
				[x] mg/Nm ³ (13% O ₂)				[x] mg/Nm ³ (13% O ₂)			
Wood logs with a moisture content $\leq 25\%$	no	no	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Compressed wood with a moisture content of $< 12\%$	yes	no	87,7	5,1	<1	10	99	7,3	<1	83	90
Any other fuel	no	no	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

(*) P = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NO_x = nitrogen oxides.

(**) Only required if correction factors F(2) or F(3) are applied

Characteristics when operating with the reference fuel (only one) :

Characteristics	Symbol	Value	Unit	Characteristics	Symbol	Value	Unit
Heating output				Useful efficiency (NCV as received)			
Thermal output	P _{nom}	8,5	kW	Useful efficiency at nominal heat output	$\eta_{th, nom}$	90,9	%
Minimum thermal output	P _{min}	3,7	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th, min}$	95,0	%
Auxiliary power consumption				Type of heat output/room temperature control (select only one)			
At nominal heat output	e _{l max}	0,024	kW	Single stage heat output control, no room temperature control			no
At minimum heat output	e _{l min}	0,023	kW	Two or more manual stages, no room temperature control			no
In standby mode	e _{l SB}	0,004	kW	With mechanic thermostat room temperature control			no
Permanent pilot flame power requirement				With electronic room temperature control			no
Pilot flame power requirement (if applicable)	P _{pilot}	N.A.	kW	With electronic room temperature control plus day timer			no
Energy efficiency				With electronic room temperature control plus week timer			yes
Energy efficiency index				Other control options (multiple selections possible)			
Energy efficiency index	-	129	-	Room temperature control, with presence detection			no
Energy efficiency class	-	A+	-	Room temperature control, with open window detection			no
				With distance control option			yes

Special precautions for assembly, installation or maintenance :

Fire protection and safety distances, such as distances to combustible building materials, must be observed! An adequate supply of combustion air to the appliance must be guaranteed at all times. The flue gas values of the appliance must be observed when dimensioning the chimney!

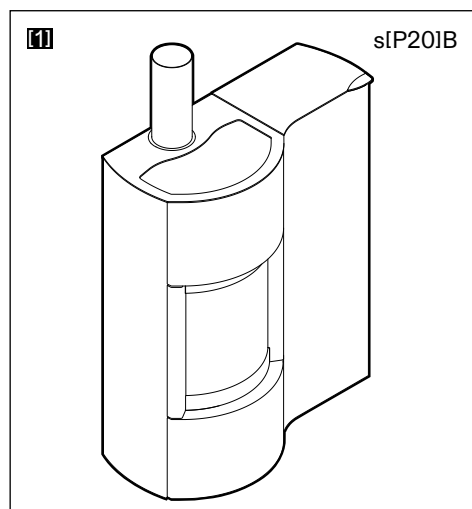
Fabricant	STÛV SA
Contact	Thomas Duquesne Science & Technology Manager certifications@stuv.be
Address	Rue Jules Borbouse, 4 5170 Bois-de-Villers Belgique

Gérard Pitance
Administrateur délégué et Fondateur

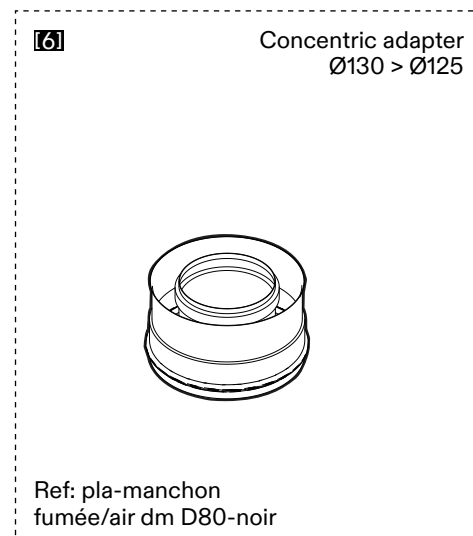
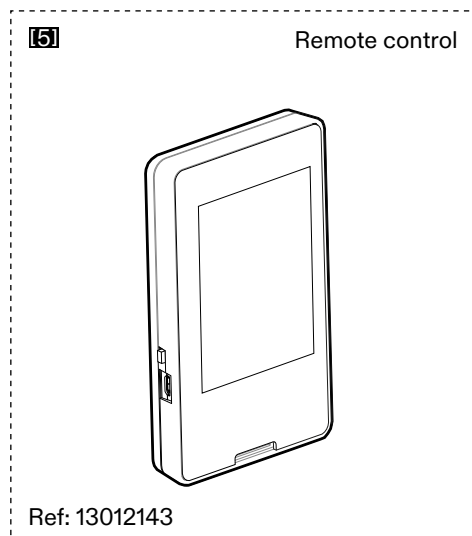
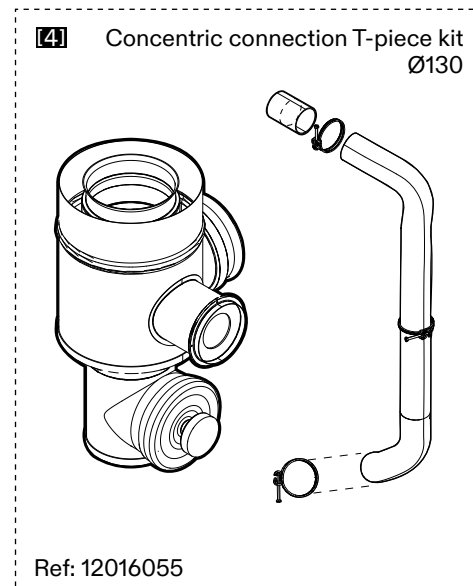
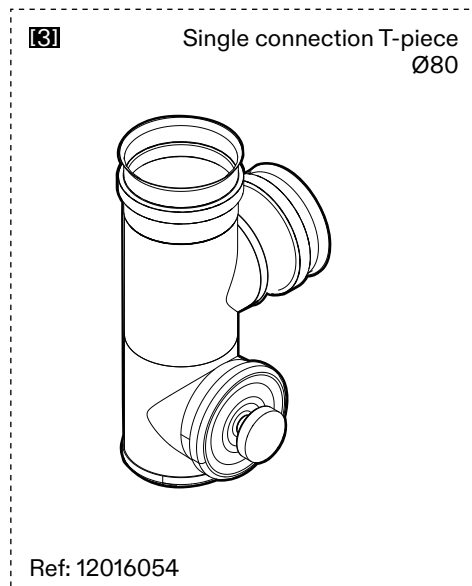
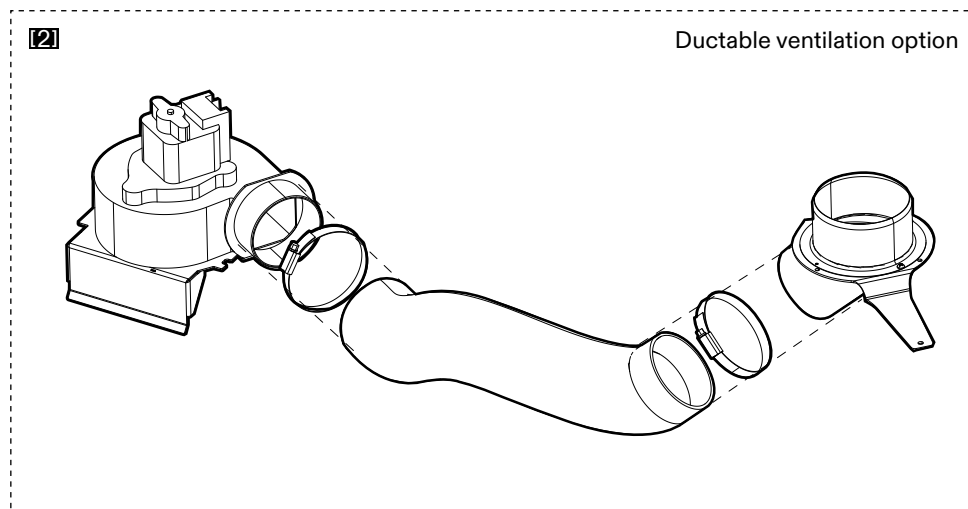
Jean-François Sidler
Directeur Général et Administrateur délégué

2. Product composition

STOVE:



OPTIONS:



3. Overview

Kit Stûv P20-B :

[01] Base and tank support structure

[02] Pellet feed screws and burner pot

[03] Ash drawer

[04] Combustion chamber, heat exchanger, safety valve, and internal lining

[05] Smoke extractor

[06] Left top shelf

[07] Right top shelf

[08] Access door

[09] Combustion chamber door

[10] Pediment

[11] Front right cladding

[12] Right side cladding

[13] Electronic board

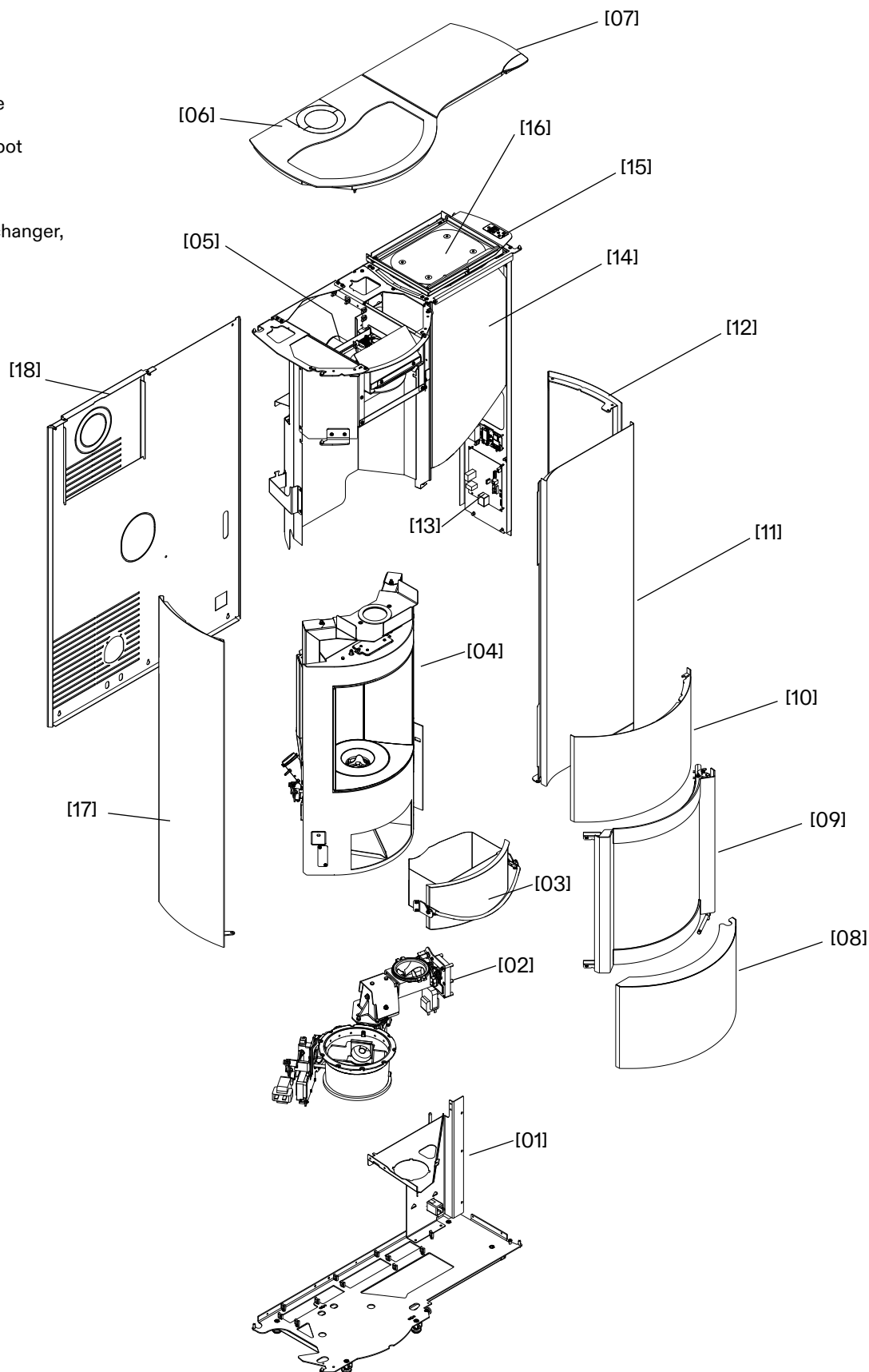
[14] Pellet tank

[15] SCD

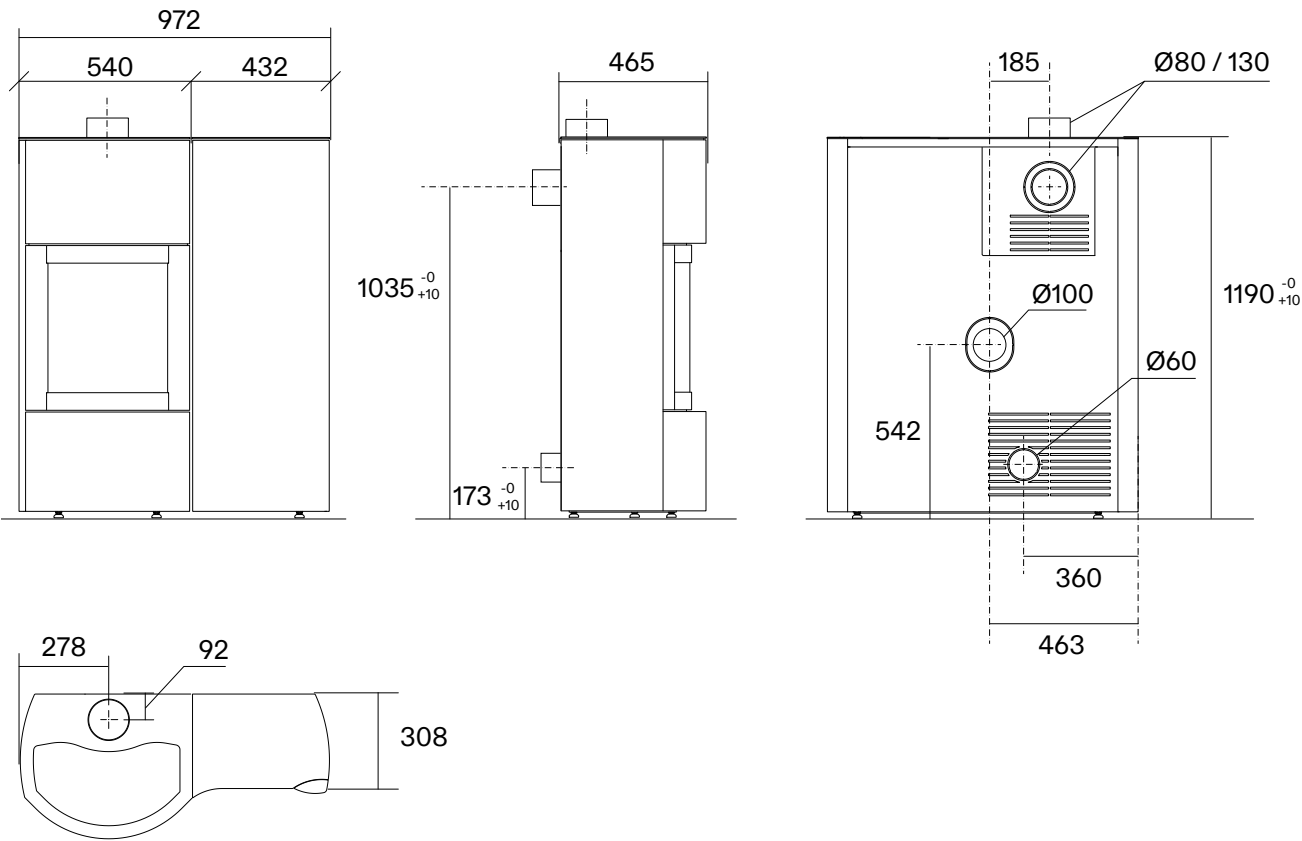
[16] Loading hatch

[17] Left side cladding

[18] Rear cladding



4. Useful dimensions (mm)



Preparation of the area

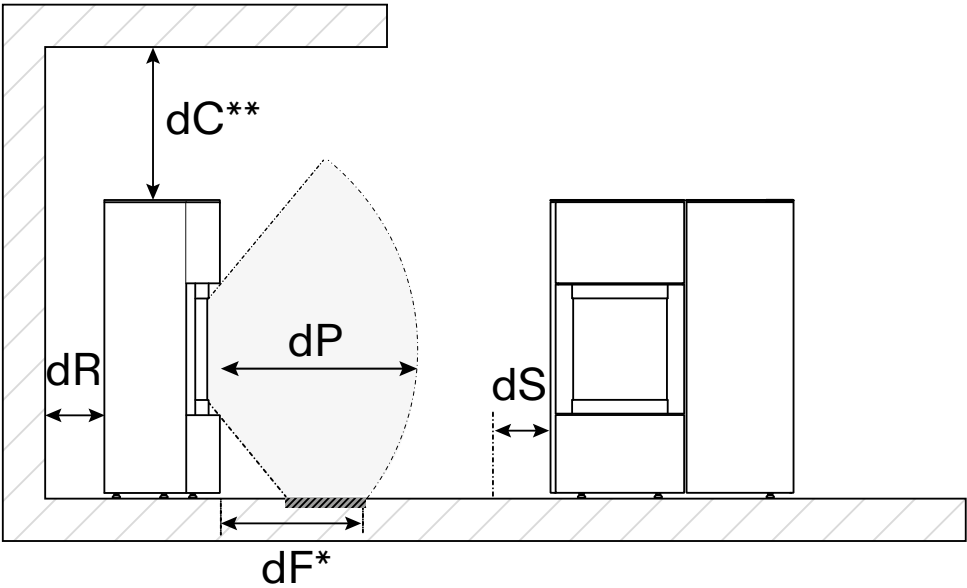
1. Load-bearing capacity of the support structure

⚠ Your Stûv P20-B has a weight of 158kg without the pellet load.

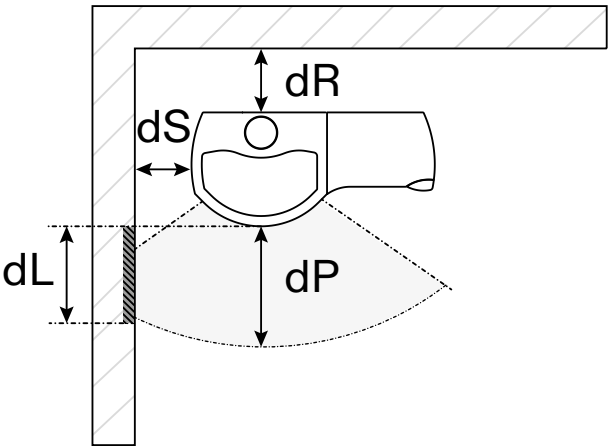
Ensure that the floor's strength is sufficient to support the fireplace, the weight of the ducts, and the construction of its potential cladding; if in doubt, consult a specialist.

2. Safety distances and accessibility to the stove

2.1. Safety distances to combustible materials (mm)



dR = Back	100 mm
dS = Sides	100 mm
dP = Front	700 mm
dF = Floor in front*	0 mm
dC = Ceiling**	750 mm
dB = Under	0 mm
dL = Side radiation zone	450 mm



- Combustible materials
- Critical radiation exposure zone
- Radiation zone

⚠ The specified safety distances **apply ONLY to smoke ducts that are fully insulated** with insulation material with a thermal conductivity of 0.07 W/m.K at 400 °C and a thickness of 25 mm. For all other cases, refer to the applicable regulations.

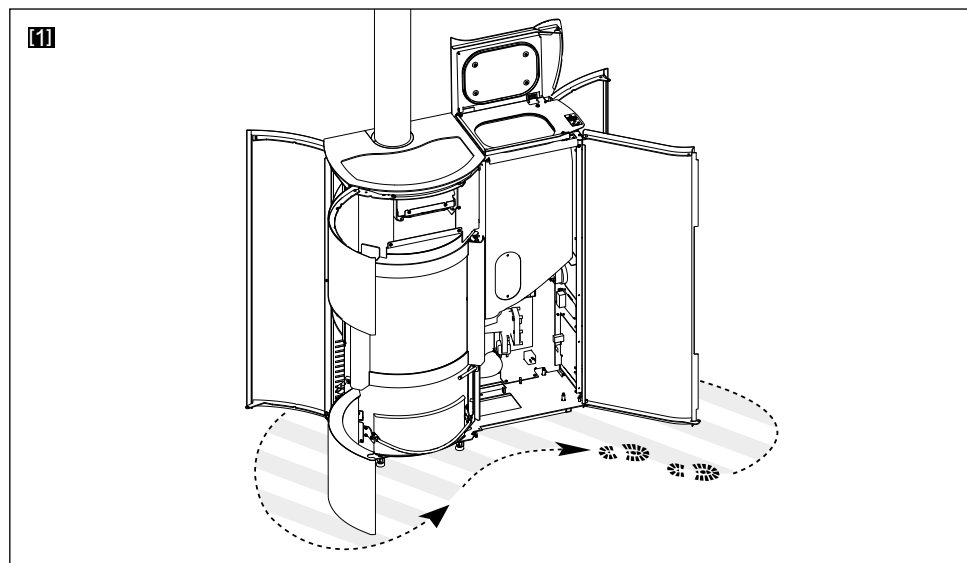
Heat radiation and surrounding materials

The radiation from the glass and walls can be significant. Always observe safety distances to combustible materials or ensure that the materials exposed to this radiation are resistant to high temperatures.

⚠ Due to radiation, **the temperature on the floor can reach up to 60°C* at a distance of 300mm from the front of the stove**, please consider this when choosing the floor finish to prevent damage. Also, avoid «heat traps» in the hood!

If the stove is located in a bell-shaped environment (e.g., an old hearth), this space must be ventilated to avoid «heat traps». **Maintain a minimum clearance of 800 mm above the appliance.

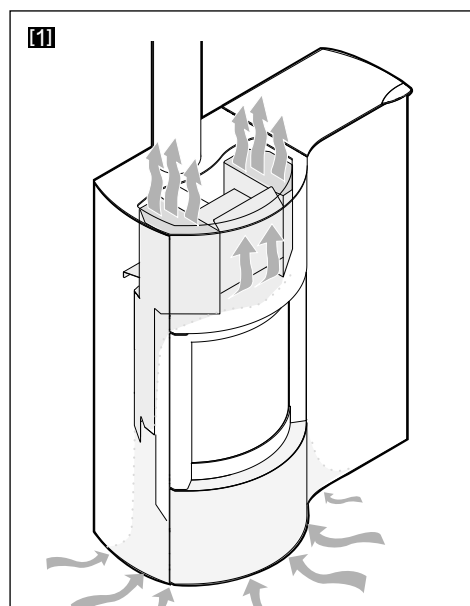
2.2. Accessibility to the fireplace



A properly installed fireplace is one that aims to facilitate access for maintenance, particularly for sweeping the connection pipe and the flue.

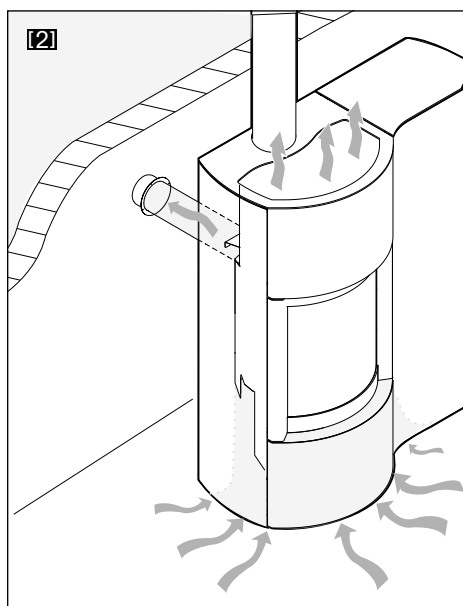
⚠ It is essential to **ensure sufficient clearance** (diagram 1) to allow intervention on each side of the appliance. Please use only the parts supplied or recommended by the manufacturer.

3. Convection air circulation



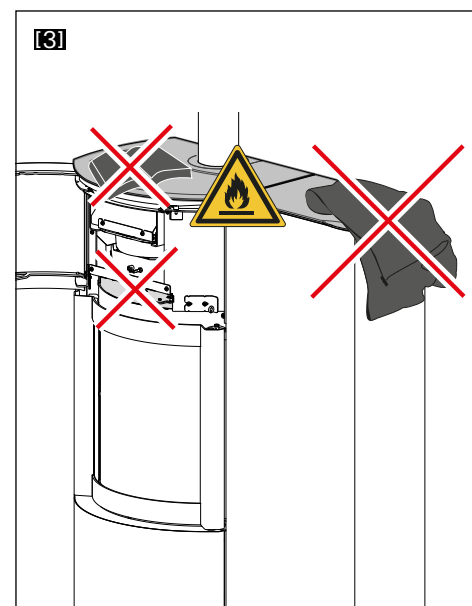
The Stûv P20-B offers two types of convection:

- Natural convection (basic convection of your fireplace), where ambient air is circulated under the base of the appliance to exit warm through the grille and vents at the top of the product (diagram 1).
- Ducted convection, which is optional (composed of a ventilation kit and ducts), allows you to transfer some of the hot air to adjacent rooms (diagram 2).



⚠ **LET THE AIR CIRCULATE!!** Always ensure that the air passages are completely clear! **Never place anything on top of the appliance! Never block the opening under the loading hatch!** The convection air circulation affects the thermostat regulating the appliance.

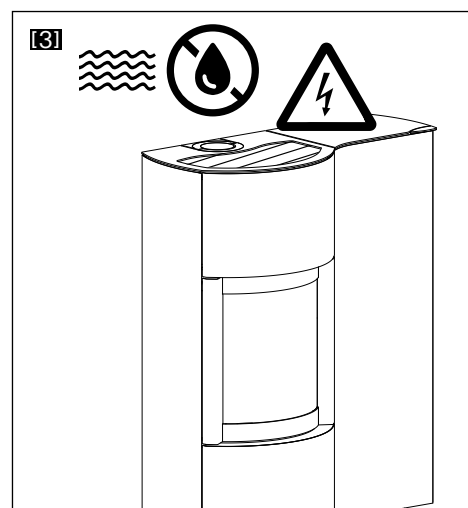
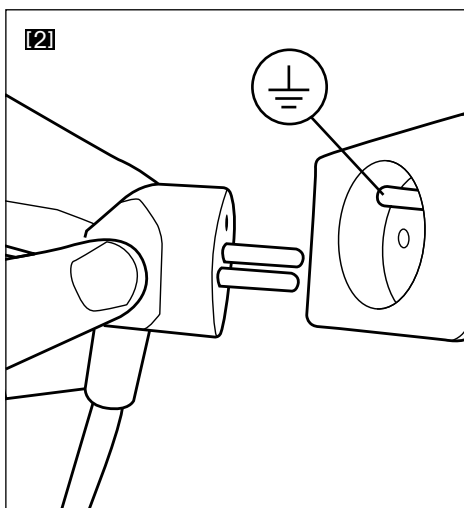
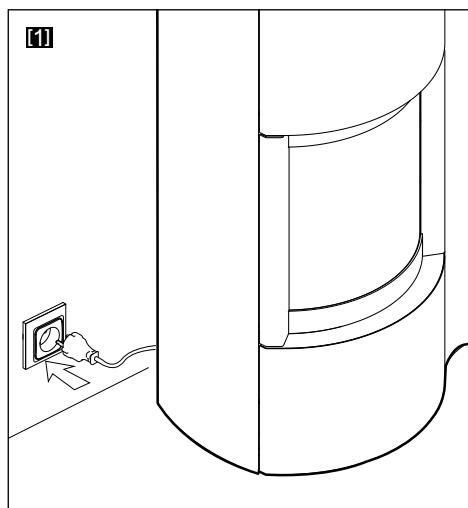
If you have opted for the remote control option, place it in the room where the Stûv P20-B is located. **Make sure not to place it too close to the heat and radiation of the stove, nor exposed to any other heat source** (other heating appliance, sunlight, etc.).



Provide an electrical supply, ideally at the back of the appliance. The wall socket should remain easily accessible once the installation is complete. Attention! It is imperative that the socket and electrical installation have a ground connection and a 300mA differential circuit breaker.

NEVER PLACE ANYTHING ON THE APPLIANCE, EVEN WHEN IT IS TURNED OFF!

4. Power supply



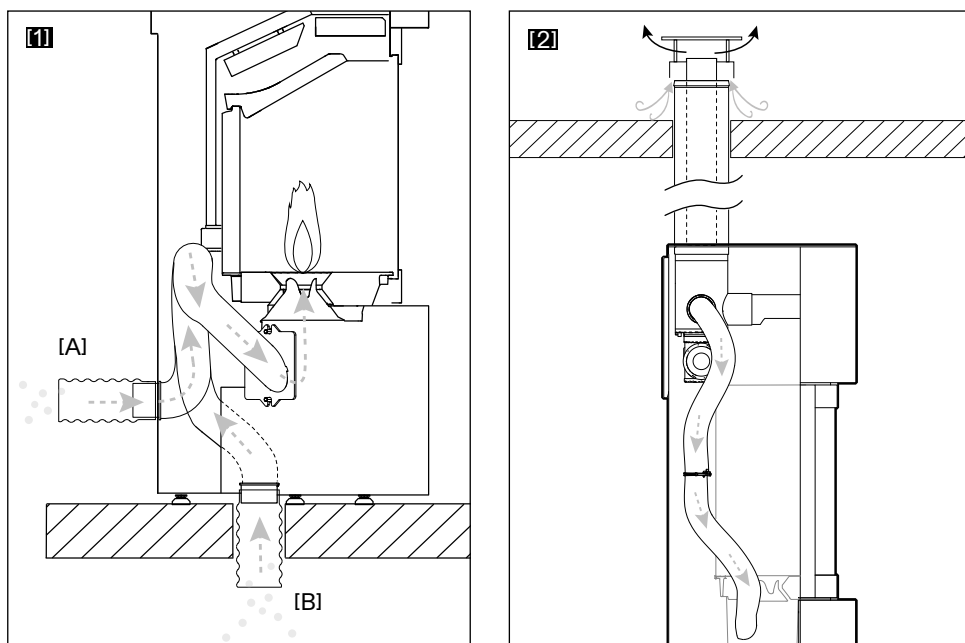
5. Air inlets for combustion

5.1. By direct connection to outdoor air (ducted)

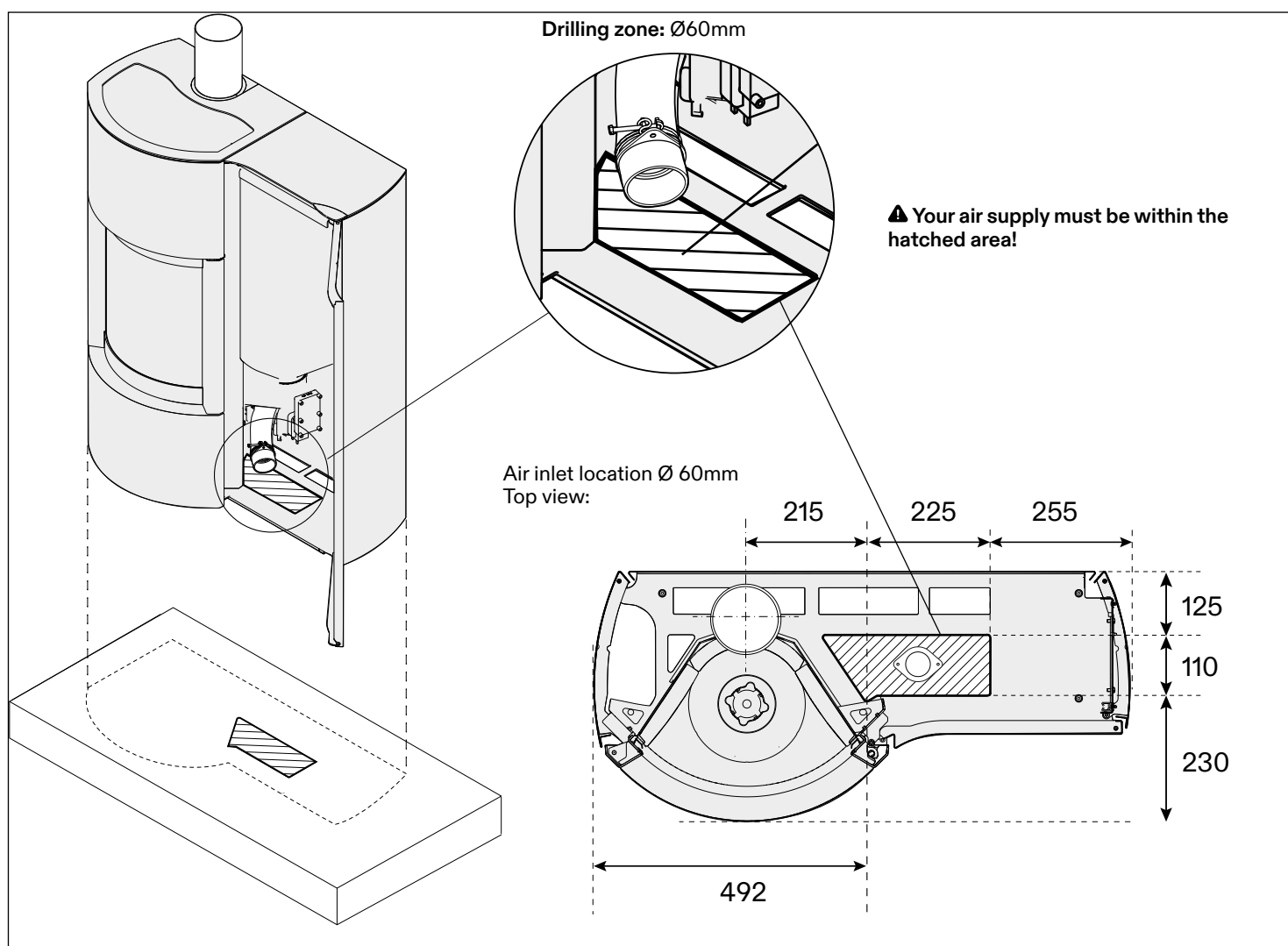
The P20 range has been designed to be connected directly to an external air supply independent of the home's air.

Stuv recommends one of the two configurations below if the installation is done in an airtight building (with a double-flow mechanical ventilation system):

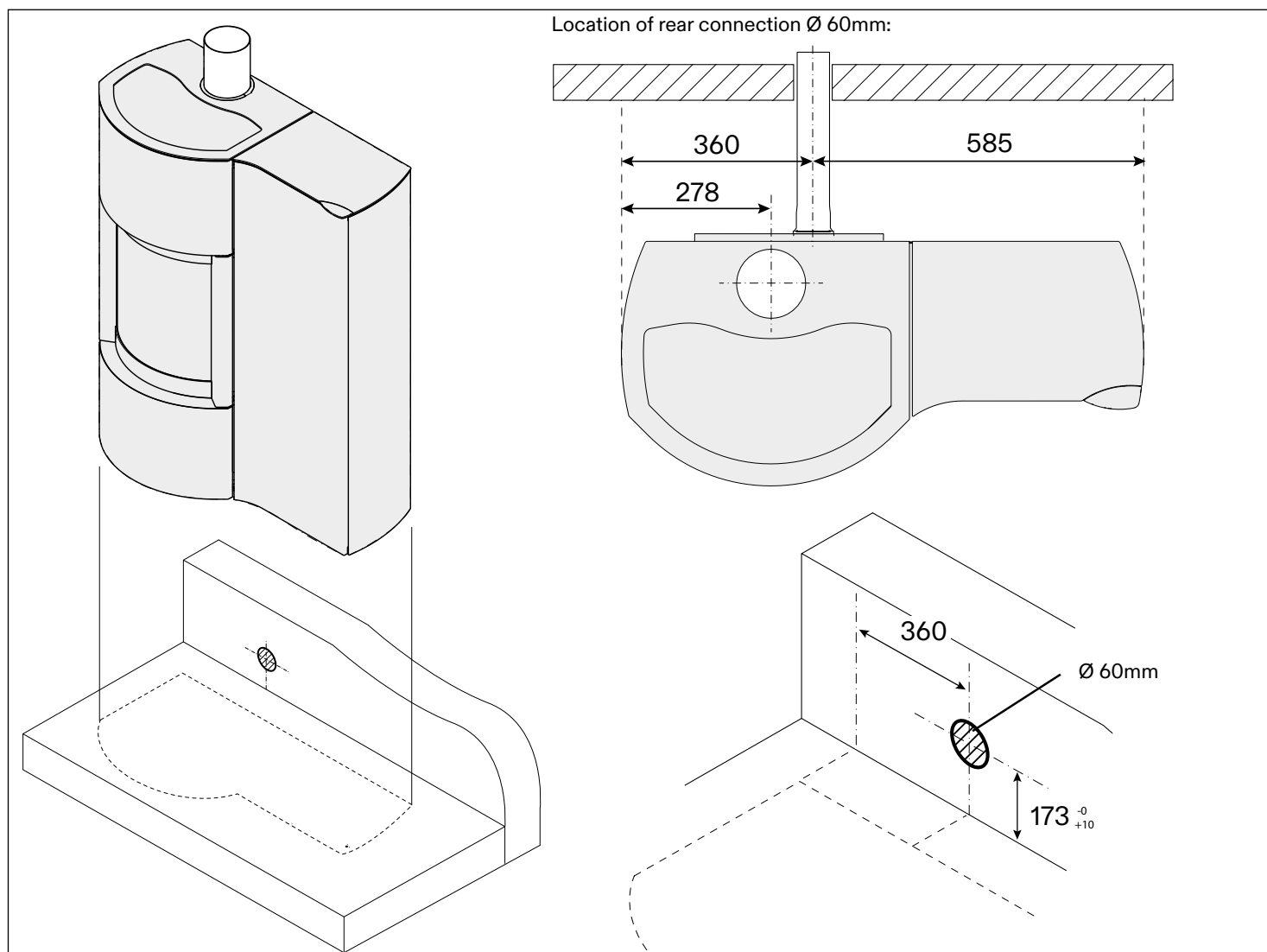
- Air supply through an independent duct at the rear or bottom of the fireplace (diagram 1A or 1B)
- Air supply through a concentric duct (diagram 2).
- Ensure a sufficient air supply.



5.1.1. Drilling for lower air inlet

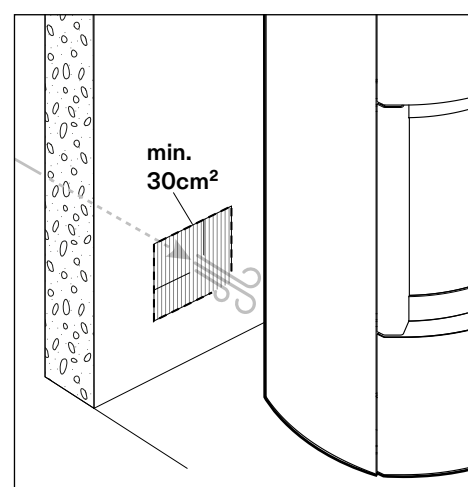


5.1.2. Drilling for rear air inlet



5.2. By indirect connection to outdoor air (only if direct connection is not possible)

- **Ensure a sufficient air supply (minimum section 30 cm²) near the stove** This air supply will come from a ventilated void, a ventilated room (cellar), or from outside (diagram 3I). Some local regulations make these provisions mandatory. If local and/or national regulations are more stringent than our guidelines, they take precedence over our recommendations.
- Install a protective grille with a free passage section at least equivalent to the air inlet section in order to protect the duct bringing in the outside air (whether or not connected to the fireplace). Be cautious of water infiltration and the influence of winds that may compromise the system.
- Make sure to keep the external air intake duct as short as possible to avoid pressure losses and not cool the house. If using our standard flexible duct Ø 60 mm, we recommend a maximum length of 5 m and no more than 4 bends.



⚠ If you are unable to follow these instructions, you will need to compensate by using a larger diameter and/or a smoother pipe. Be sure not to crush the duct.

6. Flue pipes

6.1. Basic concepts and applicable standards

Ensure that the dimensional characteristics of the flue comply with local requirements and applicable standards for an installation that follows best practices.
For proper gas extraction, the stove must be matched to the flue (or vice versa). **An oversized chimney is just as detrimental to the proper functioning of the stove as an undersized one.**

As the Stûv P20-B is a high-efficiency stove, the flue must be of high quality. The flue should be as straight and smooth as possible and insulated to enhance draft and prevent condensation. The ideal solution is a flue constructed inside the building and thermally insulated. **An uninsulated external flue is to be avoided!!!**
The stove must never be connected to a flue that serves multiple devices. If multiple flues are available: use only one; seal off the unused flues at both ends.

Preferably use standard 80 mm diameter flues for your smoke outlet. Certain chimney configurations may require a different diameter than the standard one. In this case, please consult your dealer.

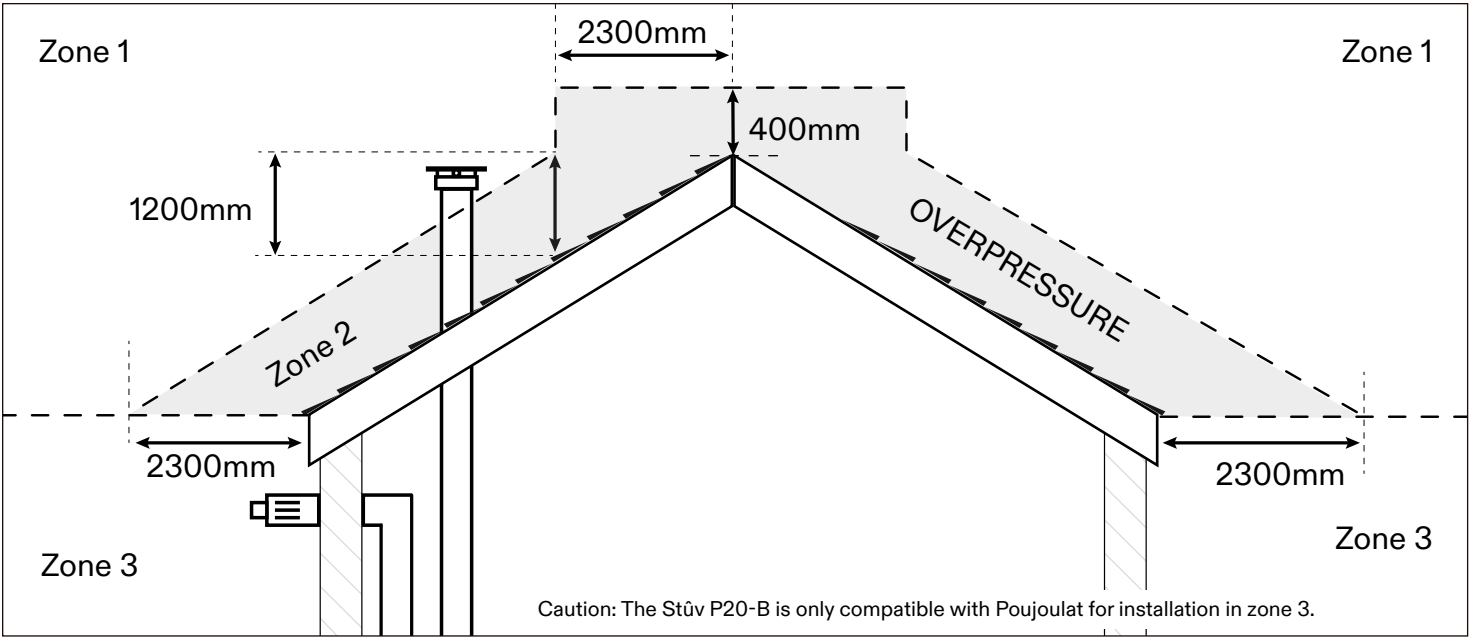


Stûv recommends that each installation complies with the installation standards EN 15287-1 or -2 and that a calculation note is carried out according to standard 13384-1 and its annex to ensure that the appliance does not operate in condensation mode. This calculation must include the power range targeted by the appliance. Check that your flue meets the standards EN1856-1 and EN 14989-2, which characterize metal flues.



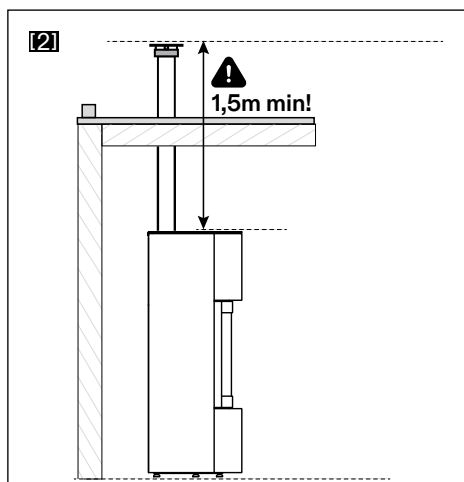
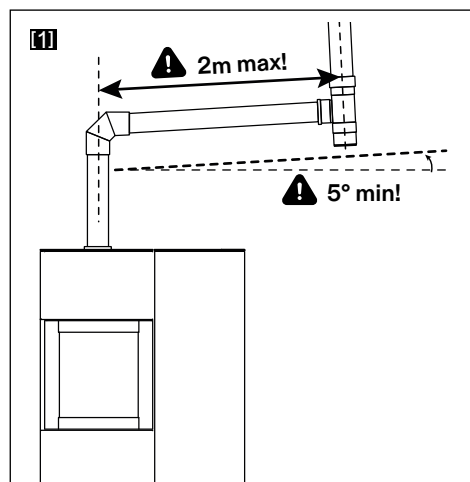
It is imperative to avoid the formation of condensation at your smoke outlet. In case of damage caused by the presence of condensation, the damages are not covered by the Stûv warranty.

6.2. Reminder of emission zones



Flue type	Zone 1	Zone 2	Zone 3
Concentric pipe	✓	✓	✓ *
Single flue pipes complying with EN 13384-1 standard	✓		

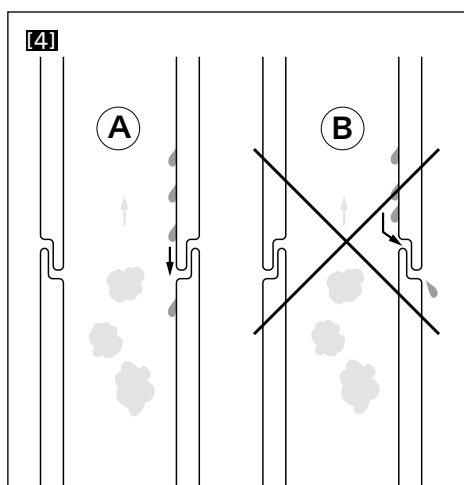
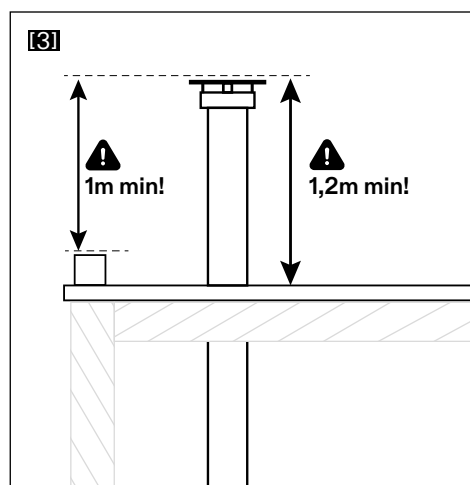
6.3. Basic guidelines for duct sizing



The length of the horizontal sections should be a maximum of 2 meters with a minimum slope of 5% [Diagram 1]. **Ensure the placement of a tee to collect soot.**

The minimum height of the flue should be 1.5 meters. The maximum height of the flue from the bottom of the appliance is 7 meters [Diagram 2].

It is recommended to use a flue with an outlet that extends at least one meter above the edge of a flat roof [Diagram 3].



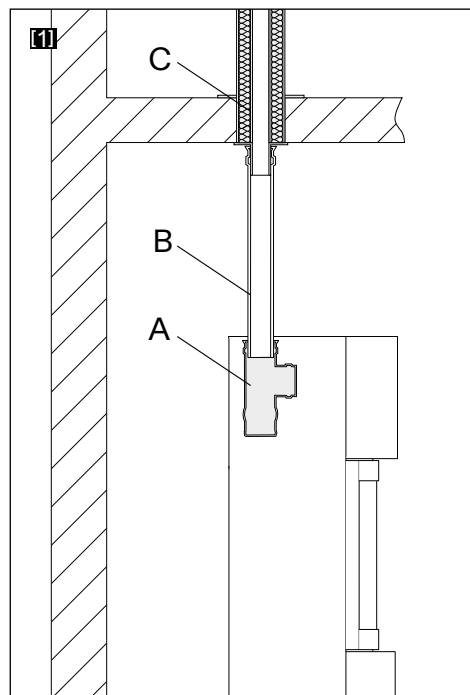
The various components that make up the connection between the appliance and the flue, as well as those that make up the flue itself, should be installed airtight for condensates [Diagram 4a] rather than for smoke [Diagram 4b].

6.4. Connection guidelines according to the EN 13384-1 standard

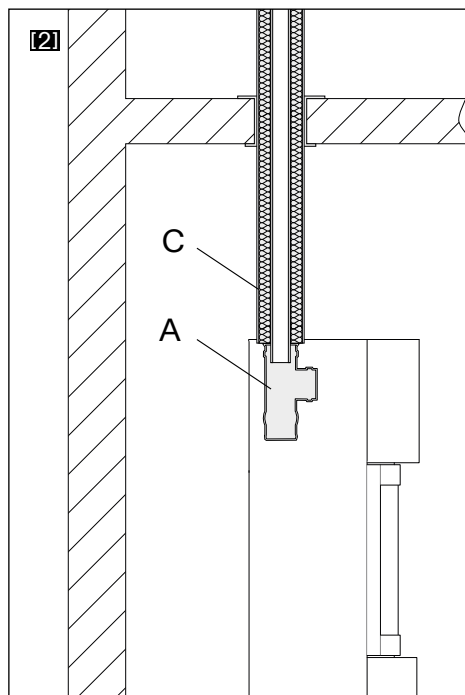
⚠ The connection recommendations for the flue pipes below do not exempt compliance with the applicable regional regulations regarding the installation of the appliance!

6.4.1. Upper vertical outlet

Connection to a simple vertical connection duct



Connection to a double-walled insulated vertical connection duct (recommended)



⚠ The upper vertical outlet is only possible with the Stûv tee, available only as an option (details on page 32)

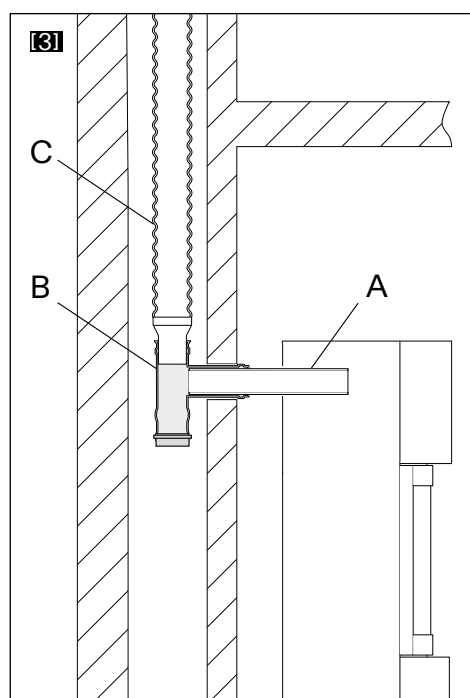
In the case of an upper outlet, your Stûv P20-B will be delivered with a **90° tee A**. This tee will allow you to connect to the **single-wall duct B** [Diagram 1] or directly to the **double-walled insulated duct C** [Diagram 2].

⚠ Stûv recommends using a **double-walled insulated flue from the outlet of the appliance** [Diagram 2]. This solution is more aesthetic and helps reduce the risk of condensation.

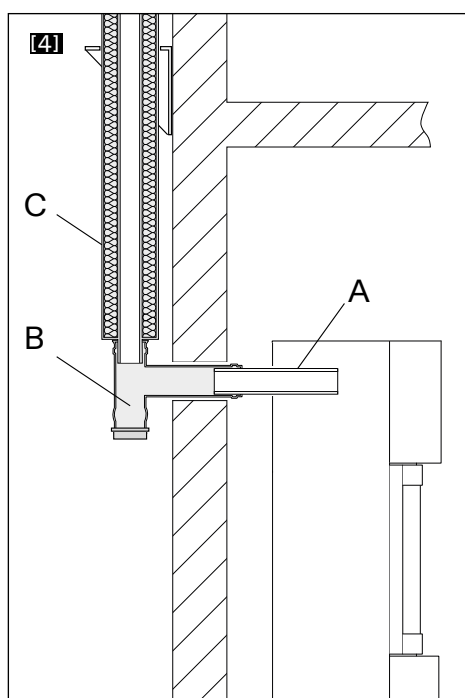
⚠ At a minimum, you are required to use an insulated flue from the ceiling passage of the room where the appliance is installed!!!

6.4.2. Rear horizontal outlet

Horizontal connection to a masonry chimney



Horizontal connection to an insulated external duct



In case of a rear outlet to an existing masonry chimney [Diagram 3], connect the **single-wall connection duct A** to a **90° tee with drainage cap B**. Then, line the chimney with a flexible duct C.

⚠ It is essential to line a masonry chimney to avoid condensation [Diagram 3].

⚠ Lining a ventilated chimney significantly increases the risk of condensation!

In the case of a connection to an insulated external duct [Diagram 4], connect the **single-wall duct A** to a **90° double-walled tee with drainage cap B**. Use **double-walled stainless steel ducts C**.

⚠ The external duct must be insulated!

6.5. Guidelines for combustion product evacuation (EVAPDC) in concentric

6.5.1. Mandatory air adjustment & UPS battery

⚠ Your Stûv P20-B fireplace has undergone specific developments that allow it to achieve an exceptional level of airtightness. This optimization enables it to meet particularly demanding installation configurations but requires mandatory air adjustment for concentric ducts, regardless of your outlet zone, in order to achieve clean combustion. Be sure to follow the air setting instructions for the parameters described in page 50.

Stûv recommends using an UPS protection battery to compensate for power losses from the network. This battery must support a minimum of **1500VA**. There are different types of devices available that can provide protection against overvoltage and/or undervoltage.

6.5.2. Mandatory constraints inherent to concentric ducts

⚠ **REMINDER: concentric ducts must only be installed inside the building!**

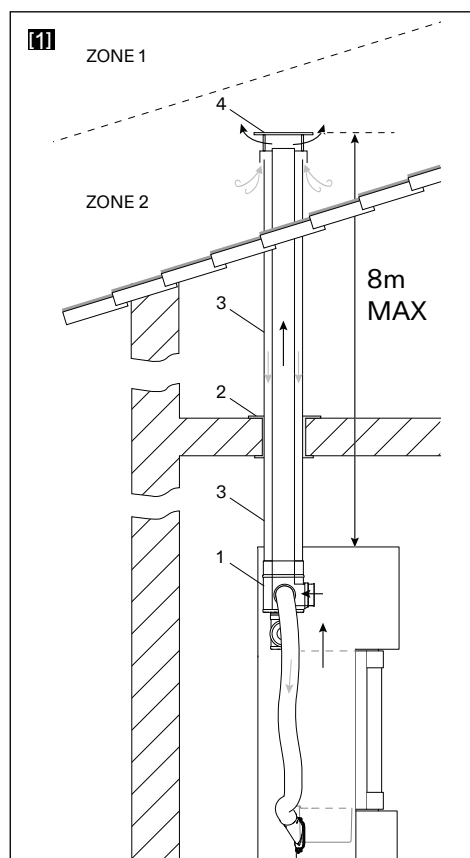
Your Stûv P20-B is compatible with POUJOULAT accessories, among others. For a detailed list, please refer to the page 34 according to your installation type.

⚠ **Strictly comply with the characteristics described below. Stûv reminds you that failure to comply with these would directly result in the non-conformity of your installation!**

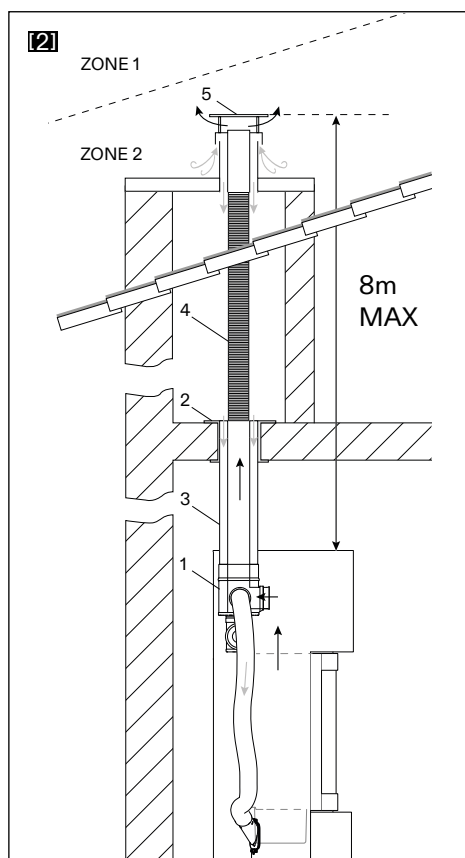
Installation with vertical terminal	
Maximum total flue length	8 m
Minimum total flue length	2,5 m
Maximum total number of allowed offsets/bends	2
Maximum allowed offset/bend angle	45°
Maximum total deflection	2,5 m
Installation with horizontal terminal	
Minimum total vertical height of the flue	0,5 m
Maximum total horizontal length of the flue	1.1 m (including a minimum of 0.4 m external discharge)

6.5.3. Connection with vertical terminal

Concentric connection to a new flue



Concentric connection to an existing internal flue



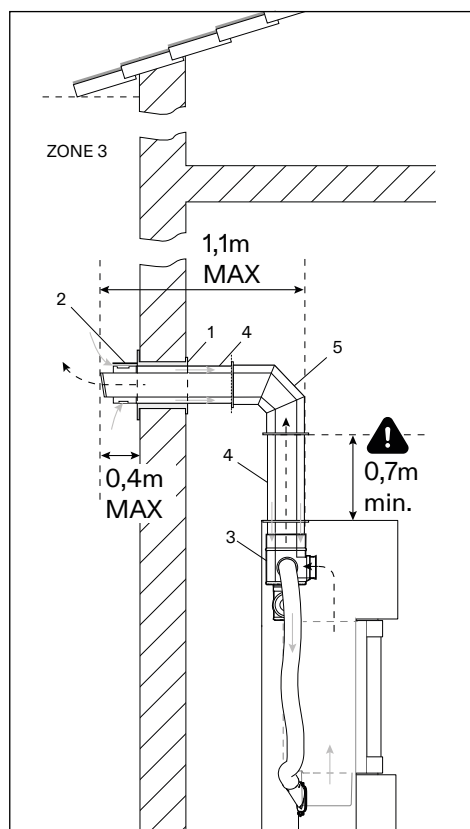
Connection to a new concentric flue [diagram 1]

- Place the Stûv 12016055 concentric adapter at the appliance outlet [1]
- Install your ceiling connection [2]
- Place one or more concentric flue(s) [3] depending on your ceiling connection type.
- Install a concentric terminal in zone 1 or zone 2 [4]

Concentric connection to an existing internal flue [diagram 2]

- Place the Stûv 12016055 concentric adapter at the appliance outlet [1]
- Install your straight/45° ceiling connection depending on your installation [2]
- Place a concentric flue [3] between the appliance and your connection
- Liner the existing flue using a flexible pipe [4]
- Install a concentric terminal in zone 1 or zone 2 [5]

6.5.4. Connection with horizontal terminal



⚠ Horizontal outlet configuration possible with POUJOLAT accessories only!

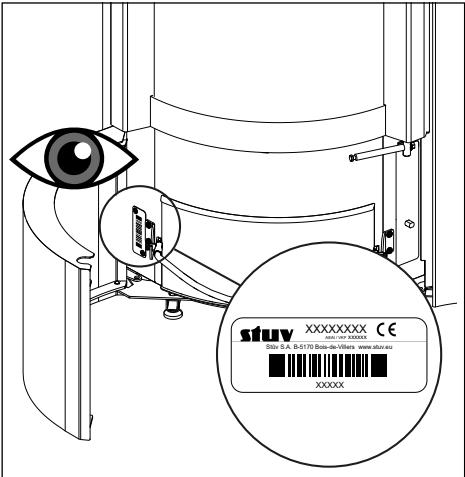
- Place the wall connection in zone 3 [1]
- Install the Poujolat horizontal concentric terminal in zone 3 [2]
- Place the Stûv concentric adapter at the appliance outlet 12016055 [3]
- Place one or more concentric flue pipe(s) [4] and the concentric Poujolat 90° elbow [5] to complete the connection operation.

Installation of the fireplace



Stûv recommends that each installation complies with the installation standards EN 15287-1 or -2, and that a calculation note is made according to standard 13384-1 and its annex to ensure that the appliance does not operate in a condensation regime. This calculation should include the power range targeted by the appliance. Verify that your flue complies with the EN 1856-1 and EN 14989-2 standards, which characterize metallic flue pipes.

1. Reception and warranty of your appliance

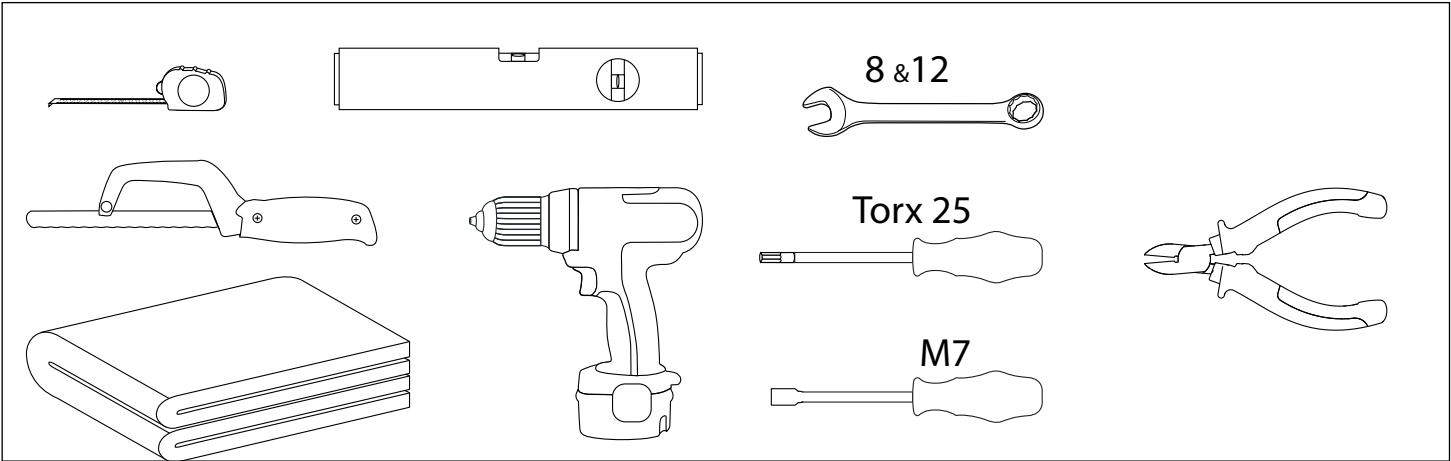


⚠ The Stûv warranty covers transport damage only if it has been mentioned on the delivery note. Upon receiving the fireplace, quickly check the condition of the glass as well as the overall condition of your fireplace.

ACCESSORIES
If one or more accessories have been ordered, they are placed around the fireplace or its packaging. Please verify their proper reception.

In case of a claim, always provide the serial number visible on the fireplace (diagram 1).

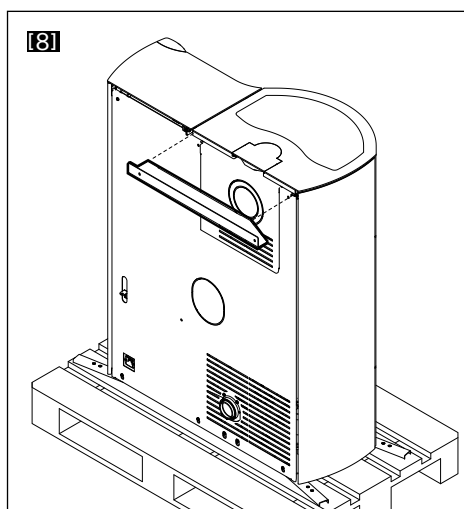
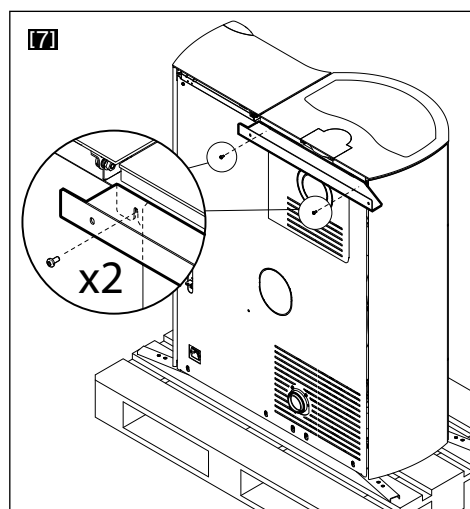
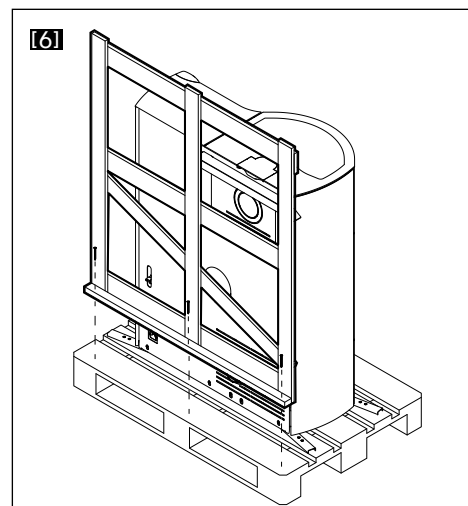
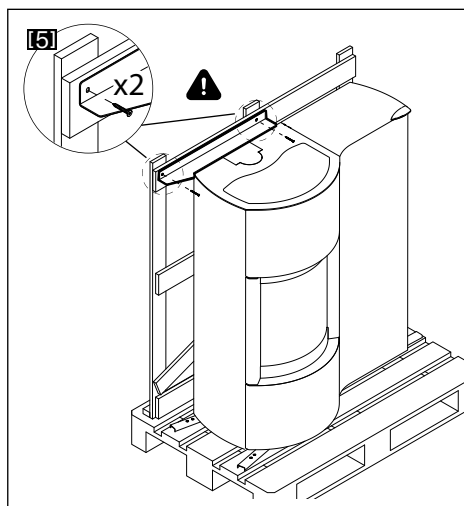
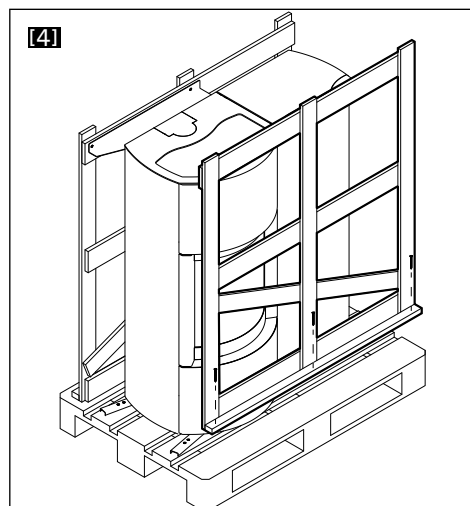
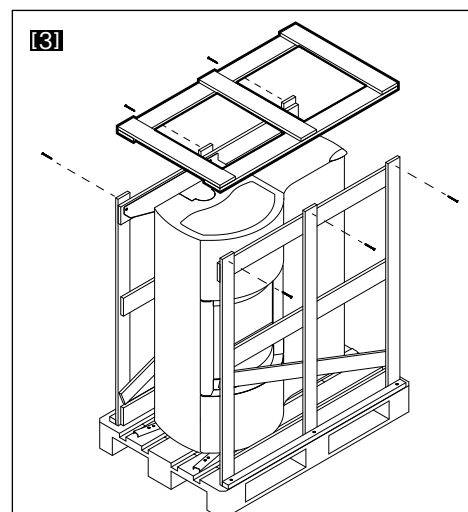
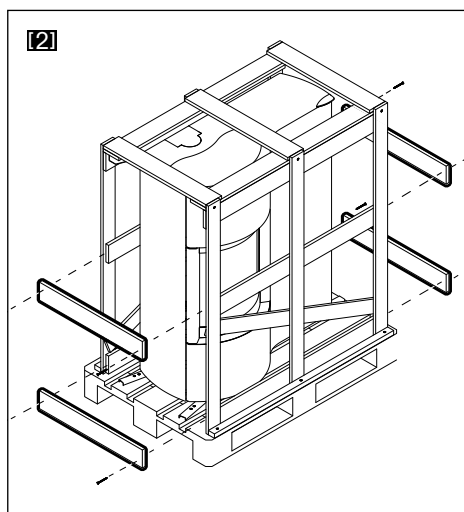
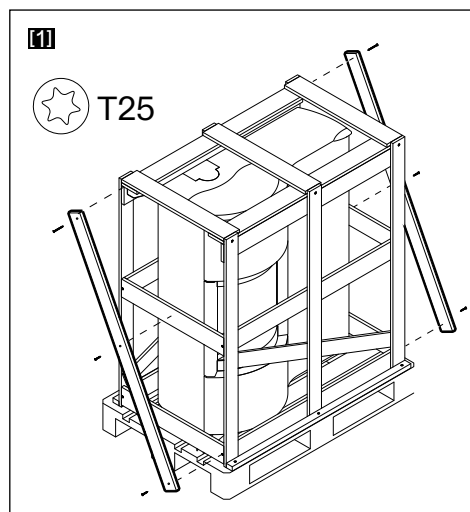
2. Necessary tools



3. Unpacking and secure transport

3.1. Unpacking

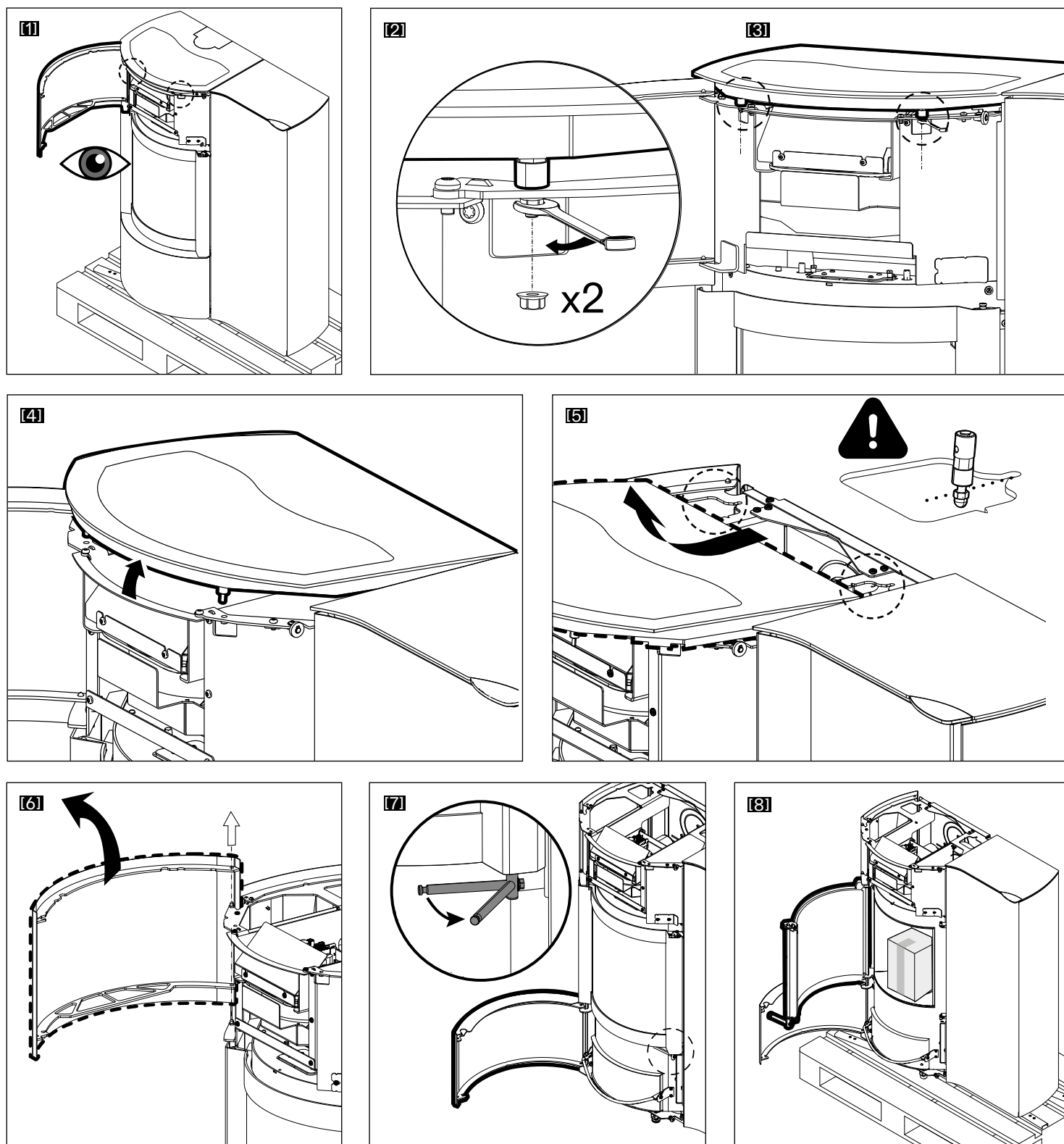
Before the connection phase, Stûv strongly advises removing all the cladding from your Stûv P20-B to avoid any risk of scratching, soiling, or other unsightly damage to your stove.
Keep the 4 fixing feet in place, ensuring the connection to the pallet throughout the operation.



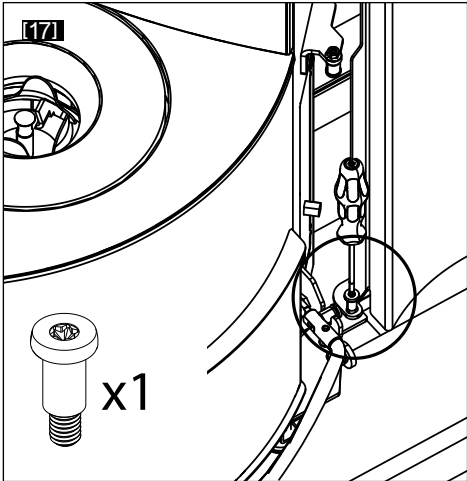
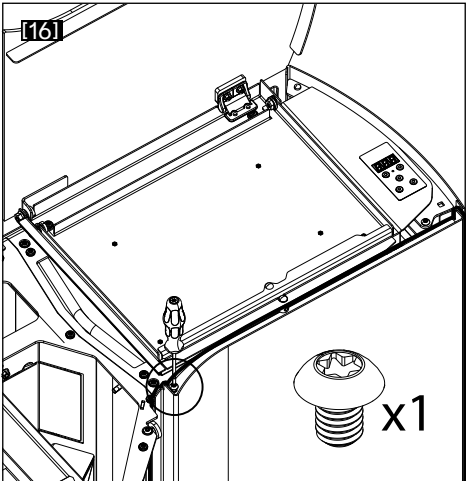
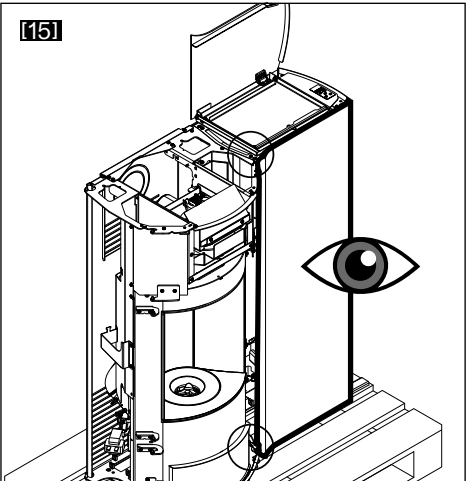
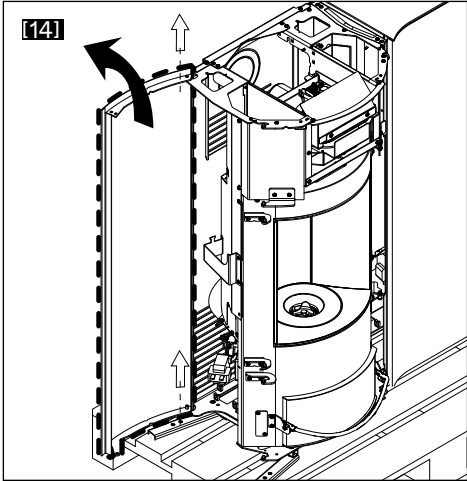
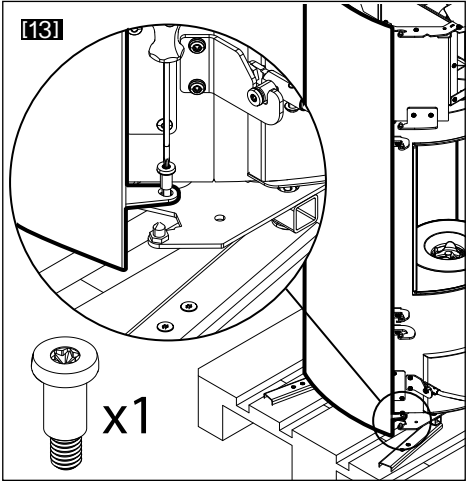
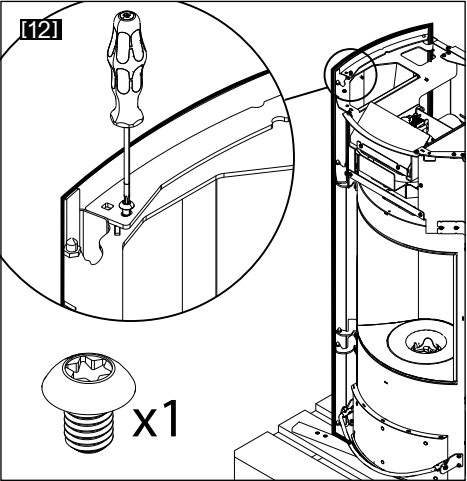
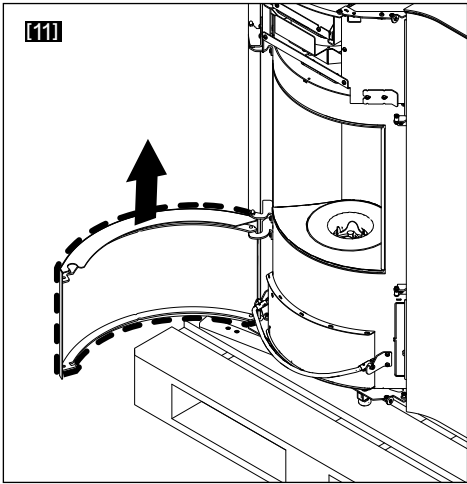
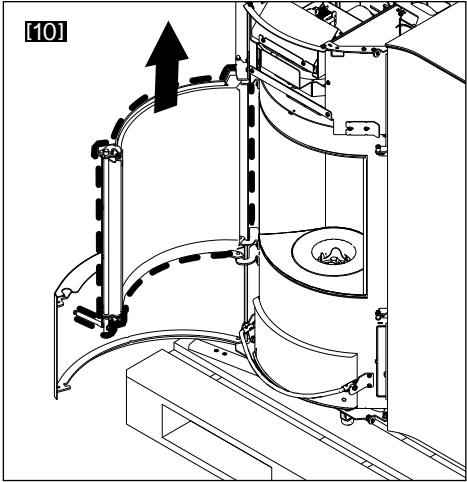
Once steps 1 to 6 have been completed, remove the protective bag as well as the protective film from the appliance.

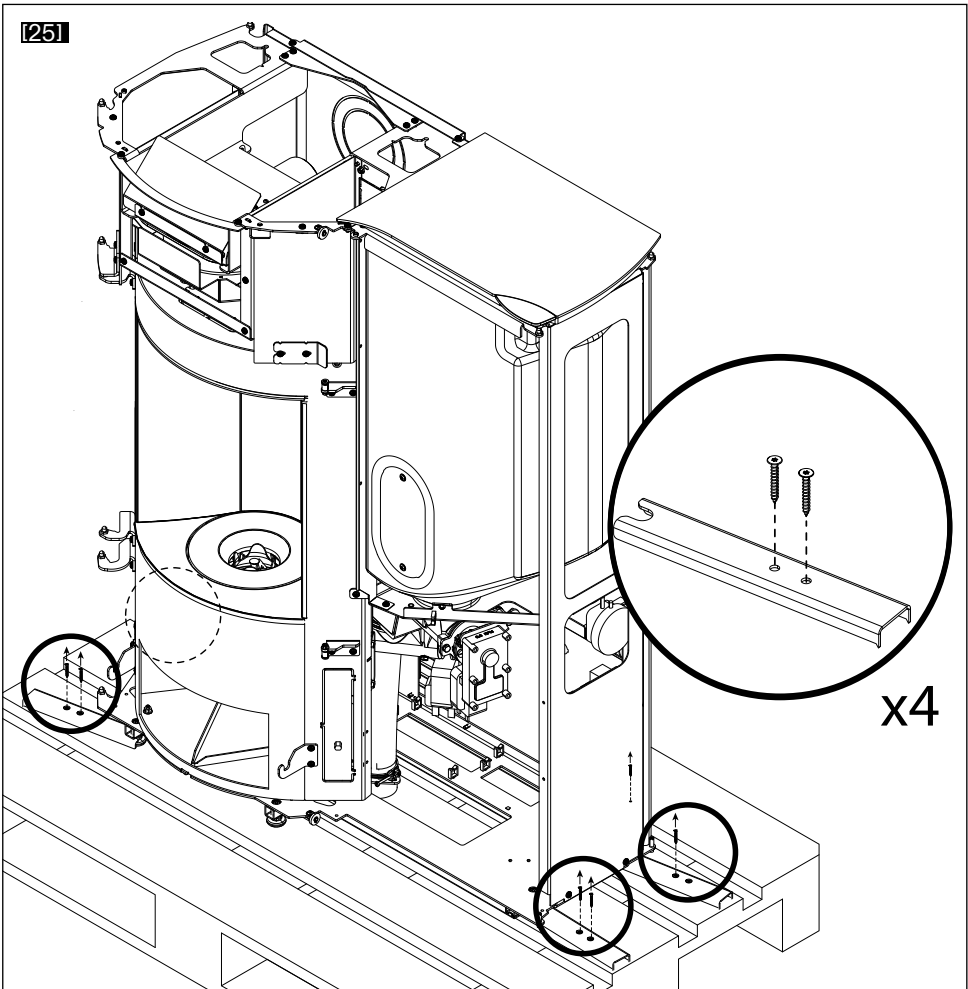
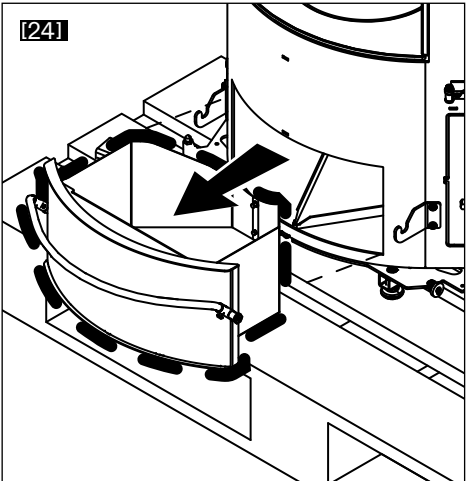
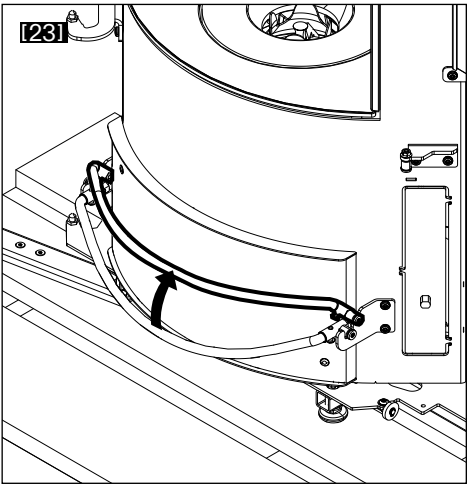
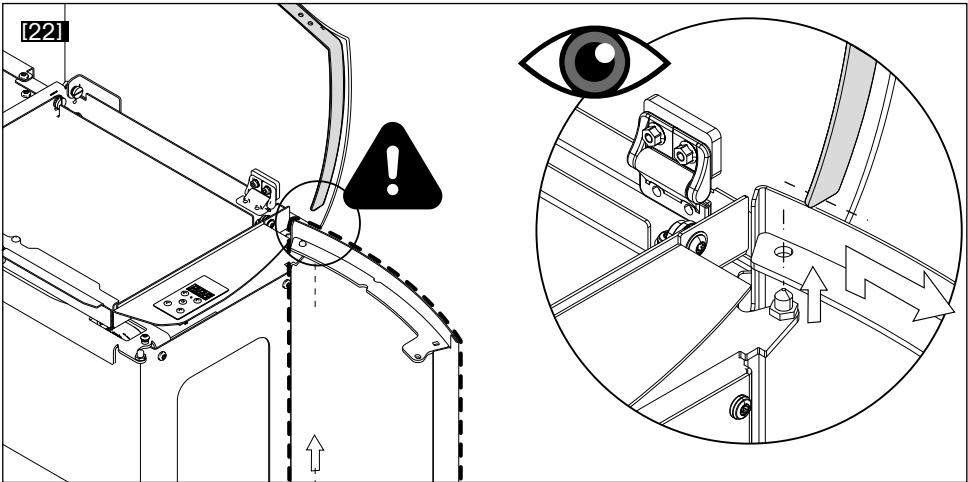
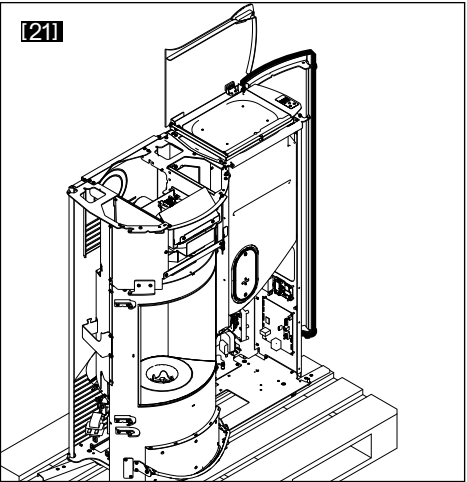
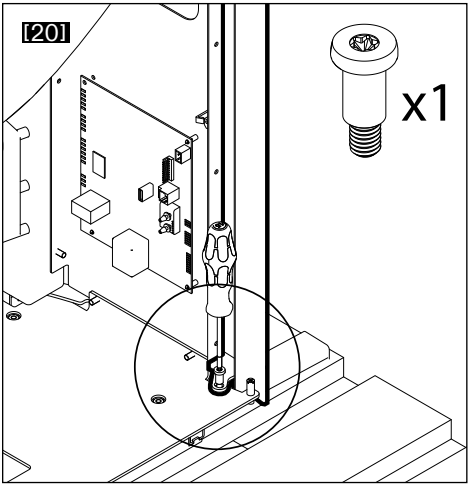
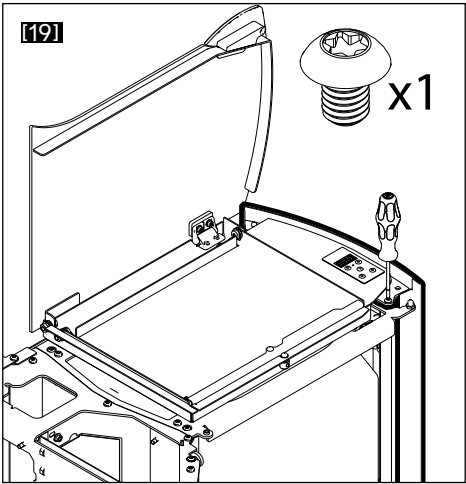
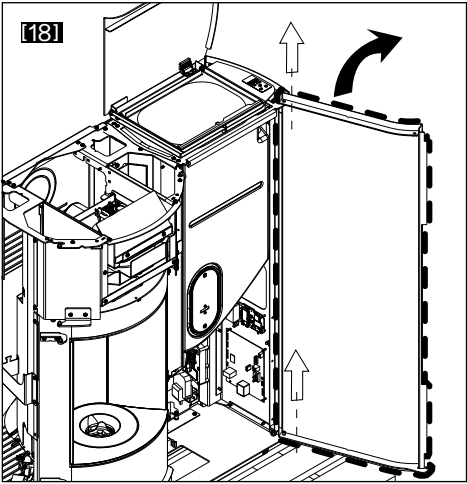
Remove the rear corner (diagram 7-8) to complete the operation.

3.2. Removal of cladding and receipt of the contents of the combustion chamber

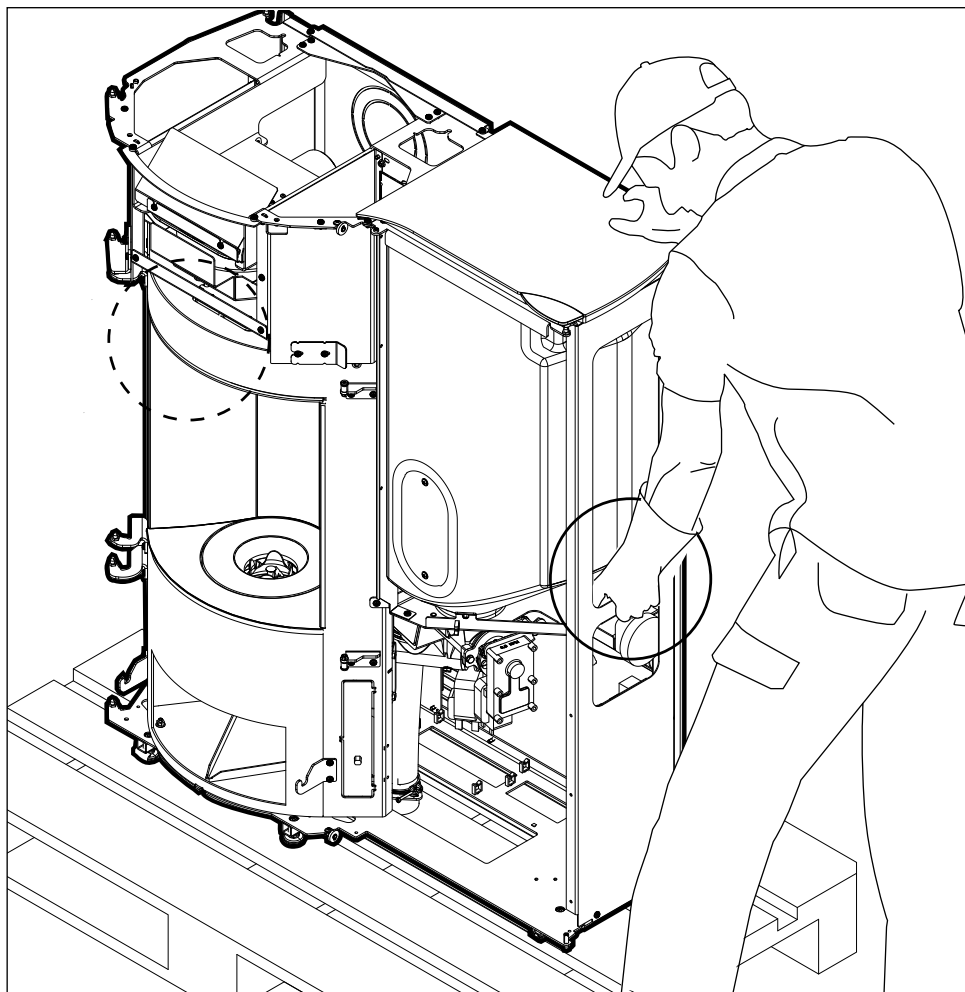


Upon opening the combustion chamber, please receive and verify the contents of the supplementary material box:



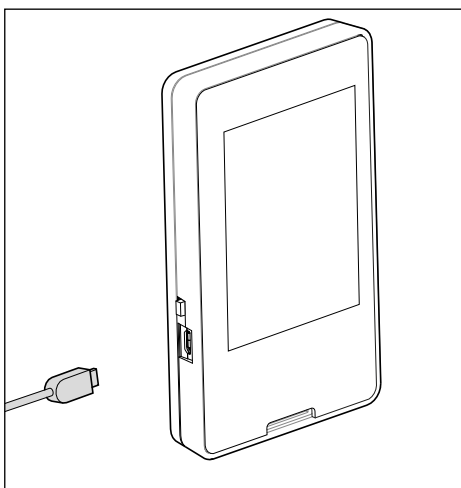
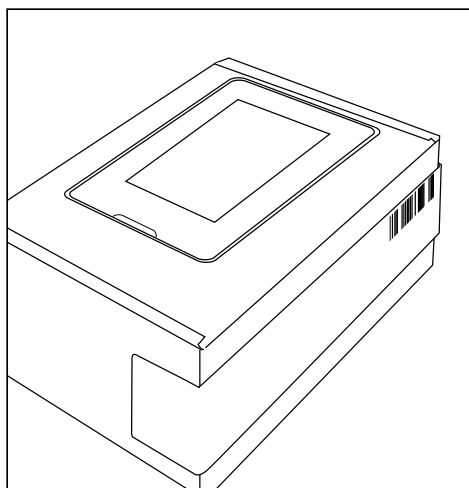


3.3. Placement of the fireplace in its final position



Once the 4 lower fixing feet are removed, proceed with placing the fireplace using the transport handles located on either side of the fireplace. **▲ Use protective gloves to protect your hands during this operation!**

4. Charging the remote control (optional)



The remote control is **ONLY** available as an option.

If you have chosen the remote control option, please proceed with charging it using the provided cable.

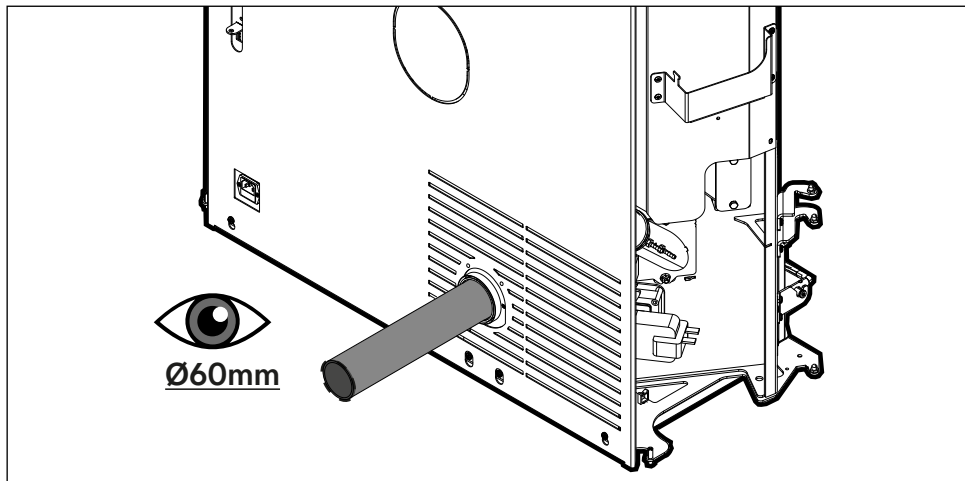
▲ The first charge should last at least one hour! The rest of the remote control installation procedure will be described later, during the commissioning of the appliance.

5. Connection of the fireplace

5.1. Connection to outside air

5.1.1. Direct ducted connection to outside air

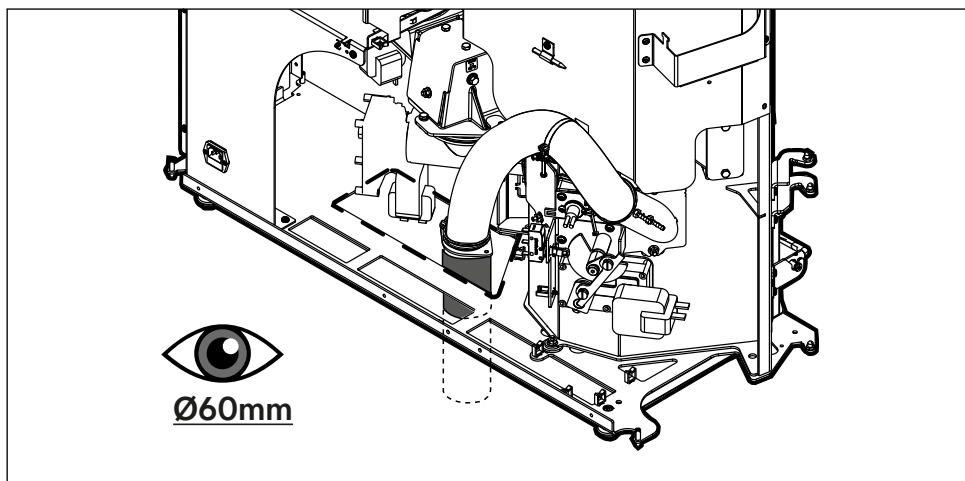
5.1.1.1. Rear ducted connection



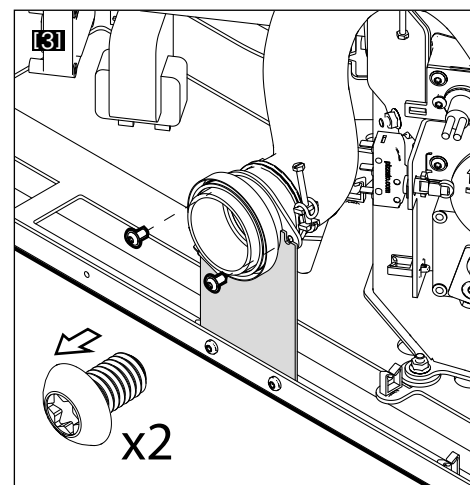
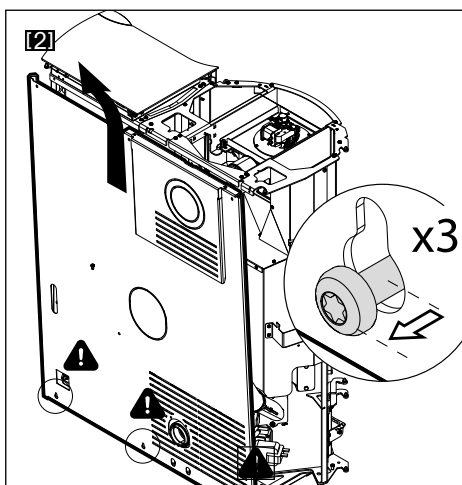
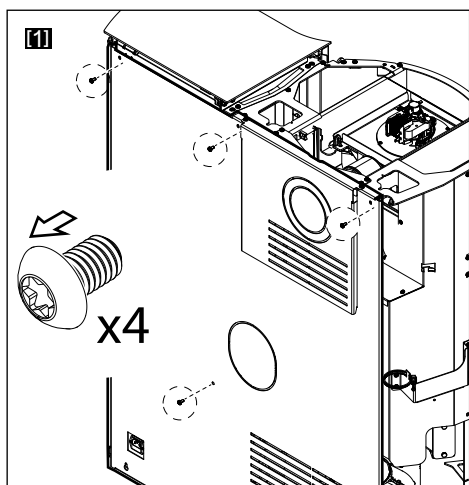
Your Stûv P20-B is factory configured for air intake through the rear of the appliance in Ø60mm.

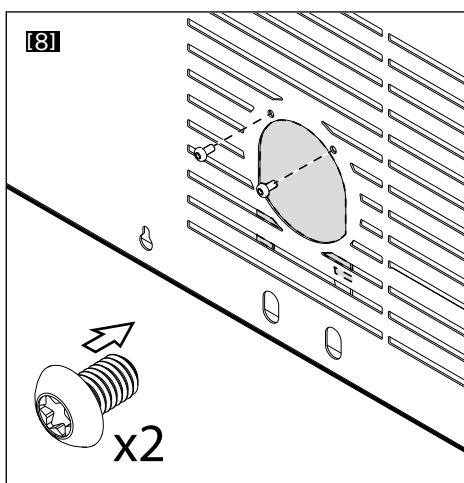
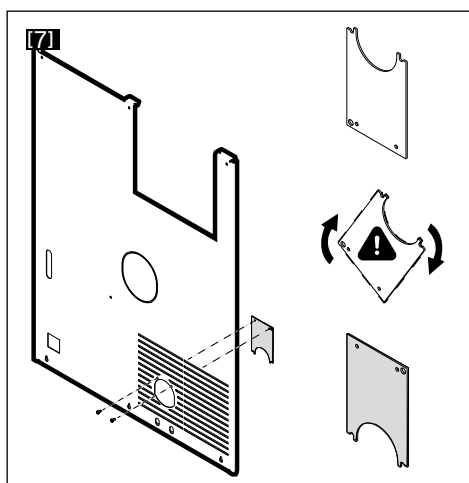
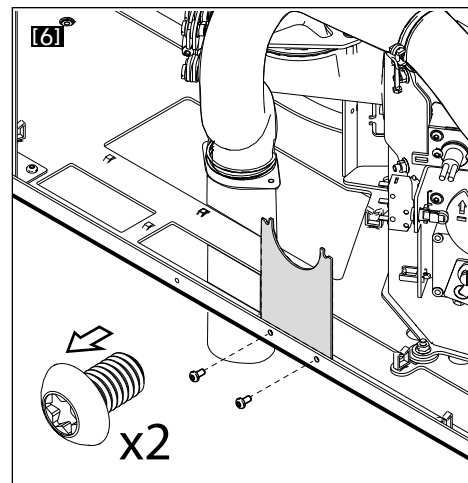
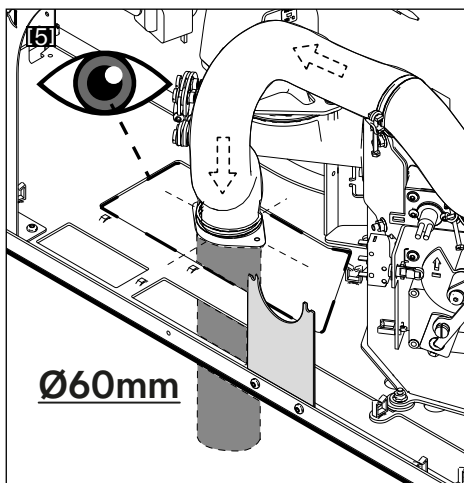
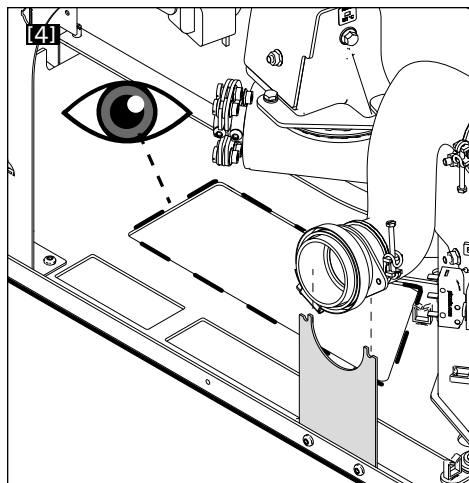
⚠ Your supply duct cannot exceed 5m or have more than 4 bends!

5.1.1.2. Lower ducted connection



⚠ Unlike the rear ducted connection, the lower ducted air connection requires disassembling and adapting the rear panel. Please follow the instructions described below.

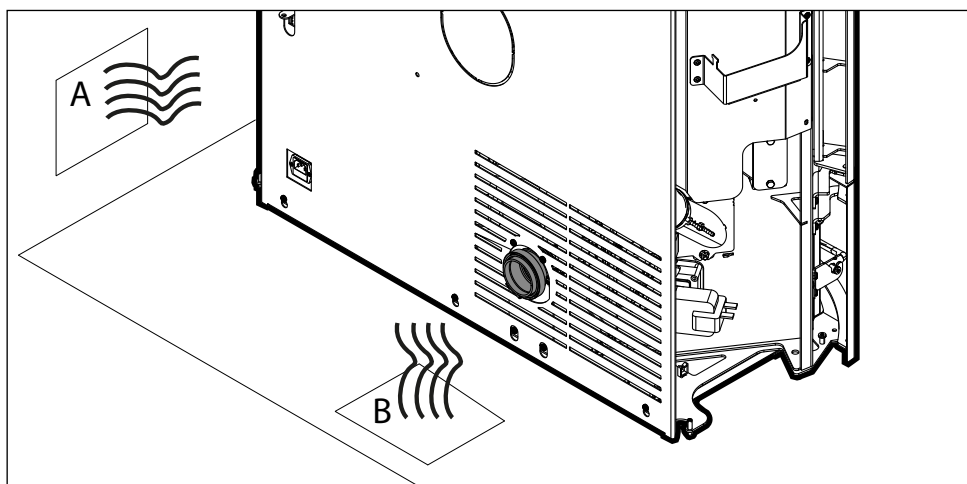




⚠ Once the sleeve has been moved and connected to your lower air inlet, proceed to fix the closure plate to the rear cladding (diagrams 6-8).

Then, refit the rear cladding onto the device and the access cover to the flue outlet.

5.1.2. Non-ducted indirect connection to outside air



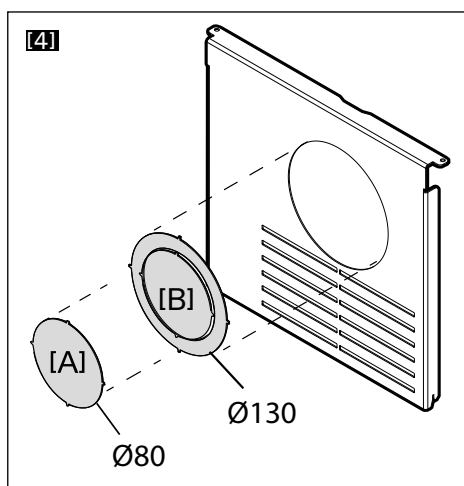
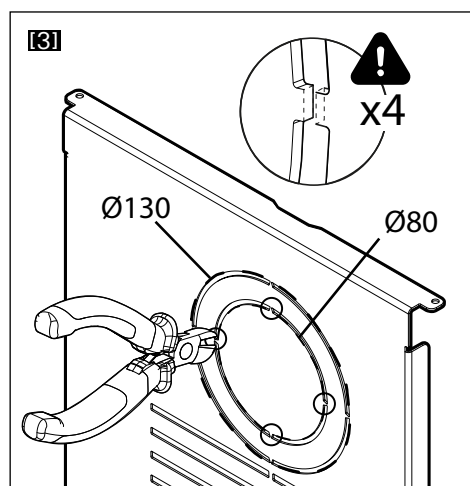
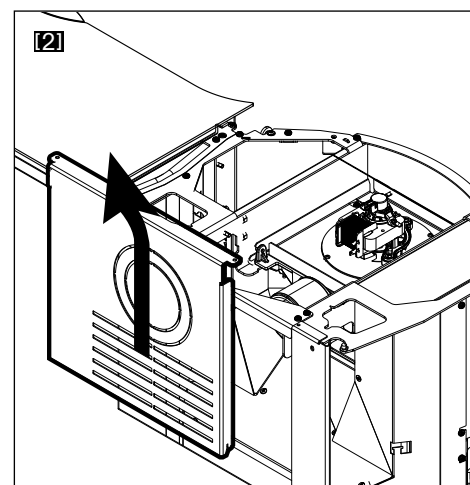
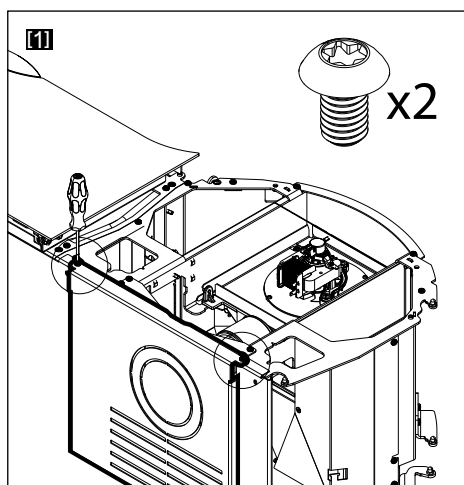
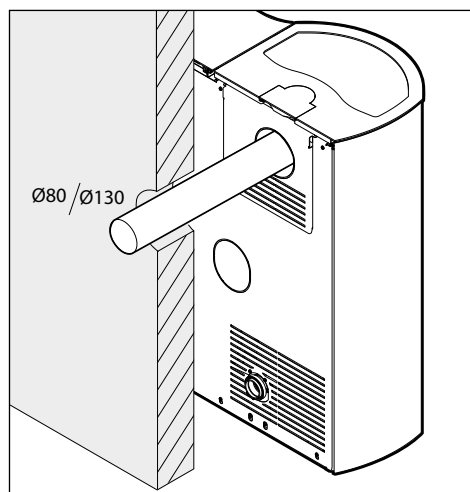
⚠ If you wish to take your intake air directly from the room, you are required to provide an air intake with a section greater than 30 cm² (A and/or B) in the room where the appliance is installed.

This configuration does not require any intervention on the air intake duct.

5.2. Connection to the flue pipes

5.2.1. Connection of flue gases at the rear outlet with single-wall pipe [A] or insulated pipe [B]

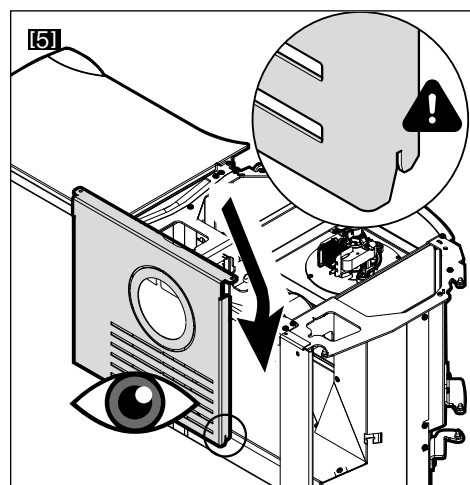
5.2.1.1. Preparation of the rear cover



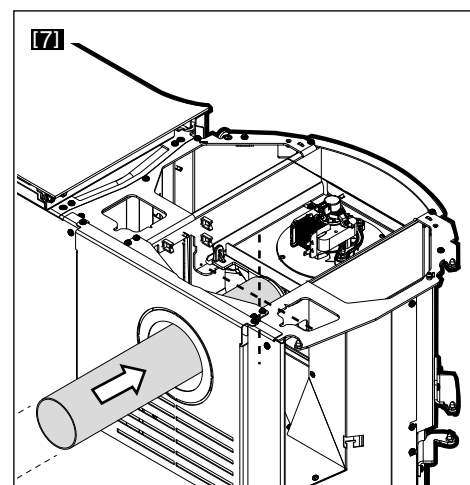
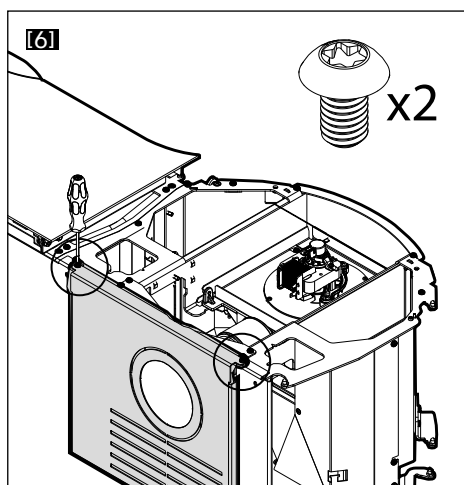
⚠ Remove the rear cover (diagrams 1-2) to make the appropriate cut according to your installation (diagrams 3-4).

⚠ Only make the cut A or B corresponding to your installation! (diagrams 3 and 4)

5.2.1.2. Reassembly of the rear cover and placement of the pipe

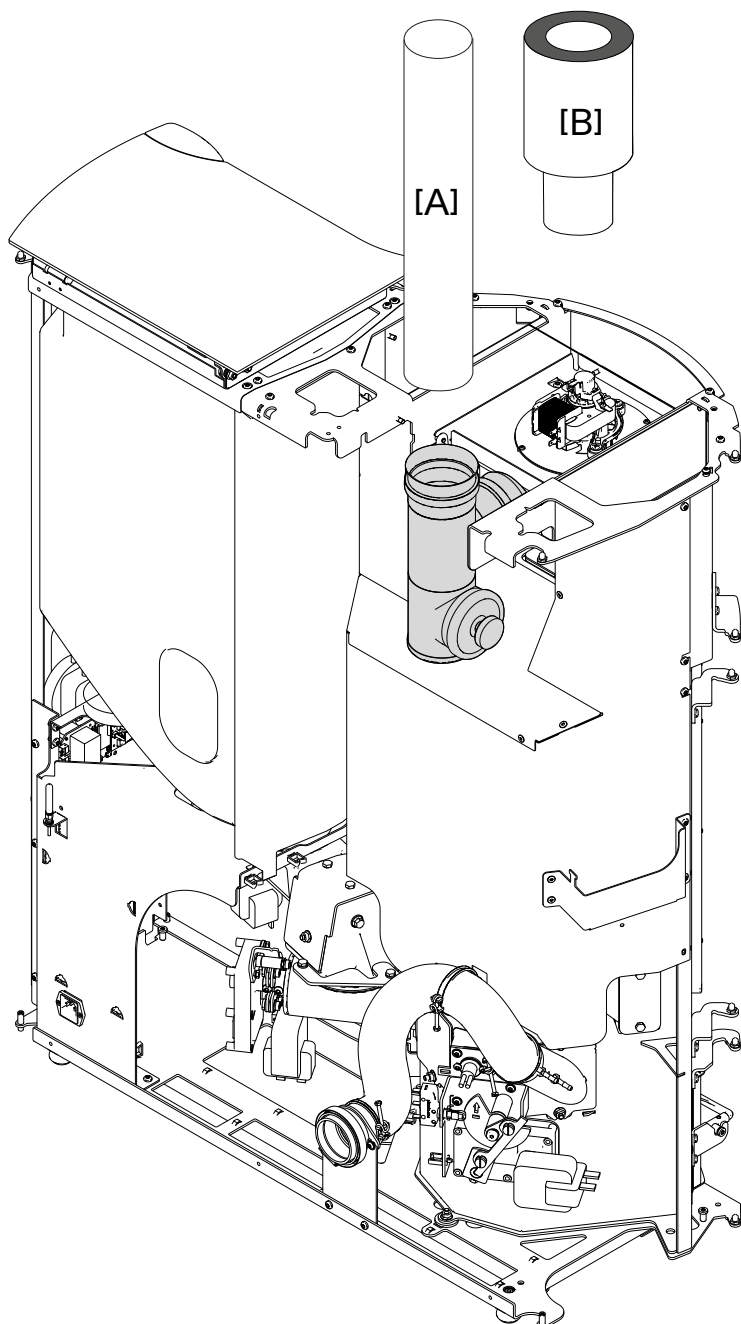


⚠ Reattach the cover and secure it with the two top screws.

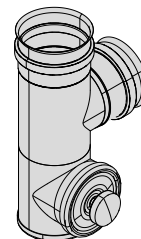


Engage the duct to the fan to complete the operation, ensuring its airtightness.

5.2.2. Connection of flue gases at the upper outlet with single-wall pipe [A] or insulated pipe [B]



Oberer Anschluss
(linke Klappe)
ref: 12016054

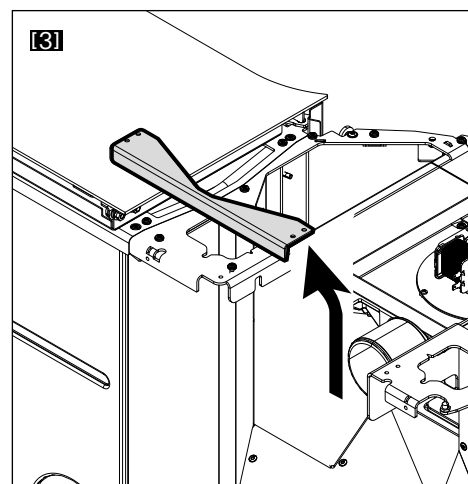
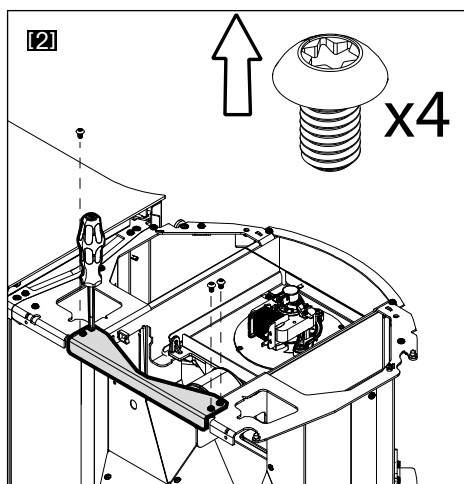


5.2.2.1. Removal of the rear cover and the stiffener

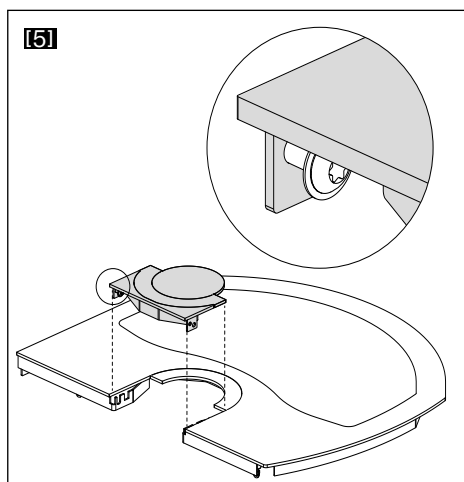
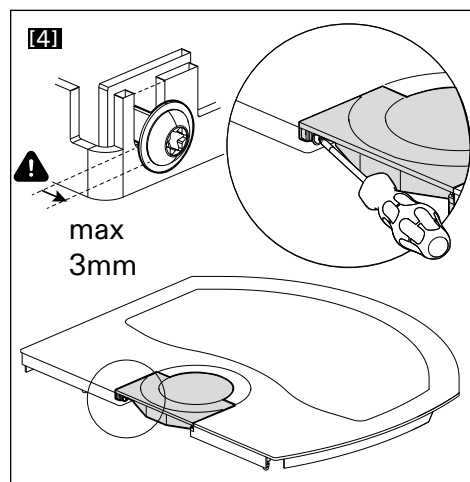
[1]

Remove the rear cover of the cladding (see diagram 1-2 on the previous page) and the stiffener (diagram 2-3). The temporary removal of the stiffener will facilitate the positioning of the Tee.

⚠ The stiffener must be screwed back into the structure once the coupling operation is complete



5.2.2.2. Preparation of the top shelf of the flue outlets

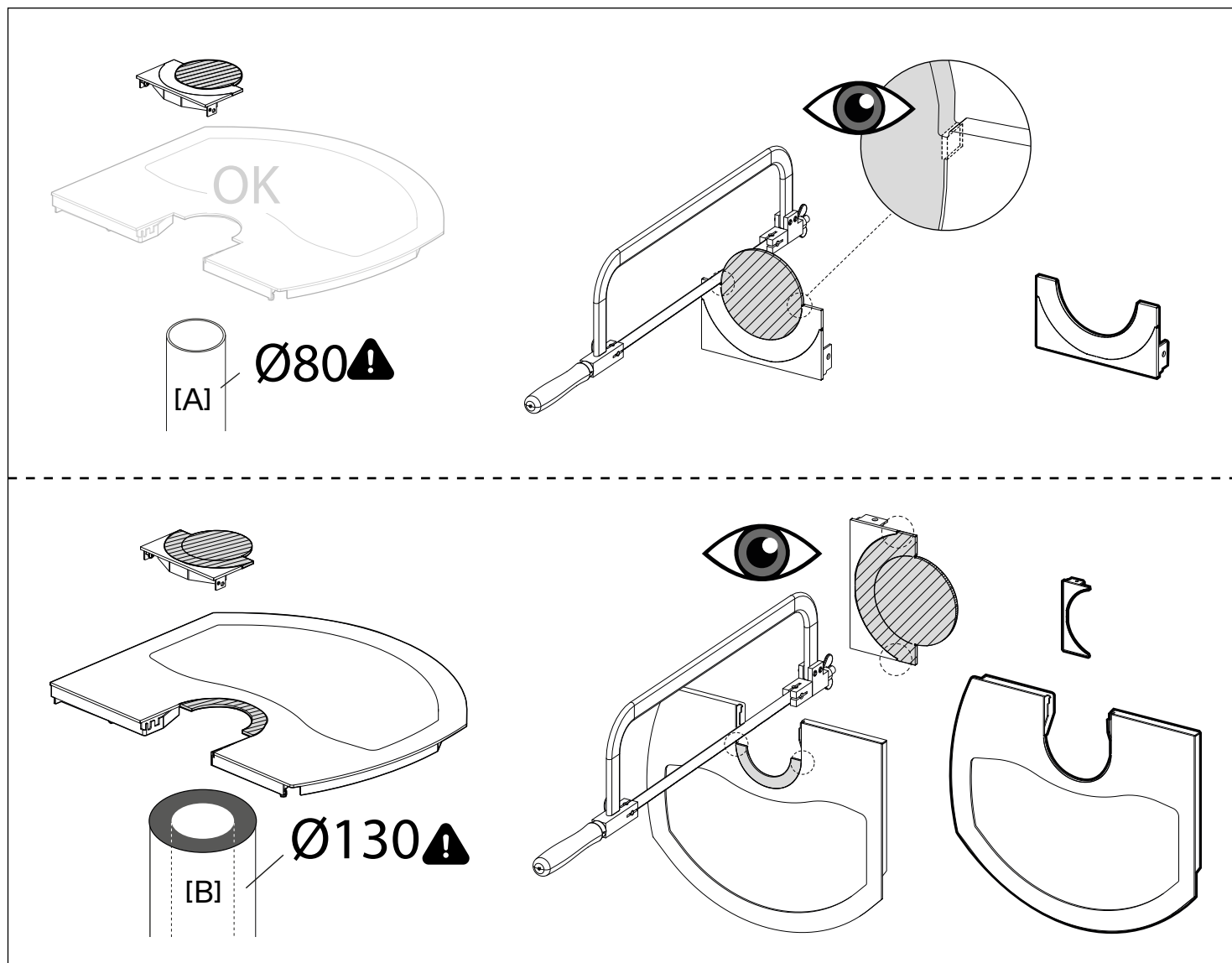


Detach the two flue outlet shelves using a torx 25 screwdriver [diagram 1]. ⚠ Do not unscrew the screw completely or make sure to put it back in position once the lower shelf is removed.

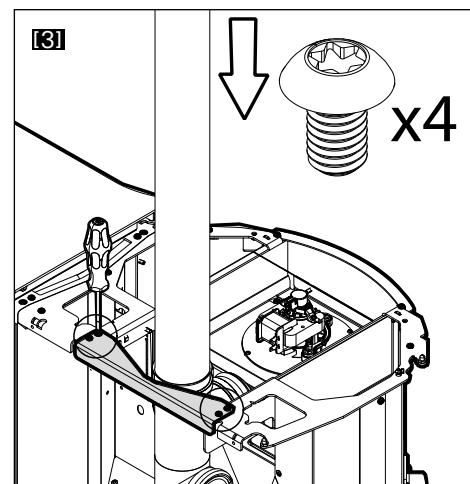
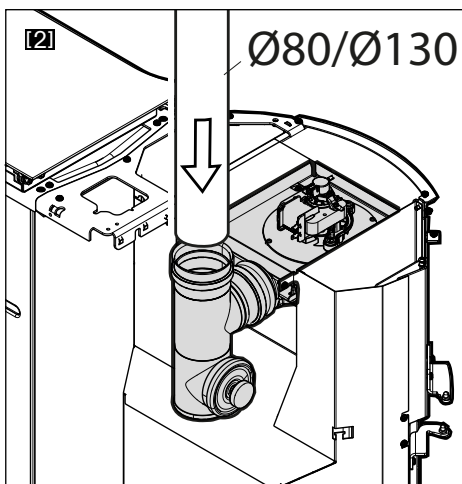
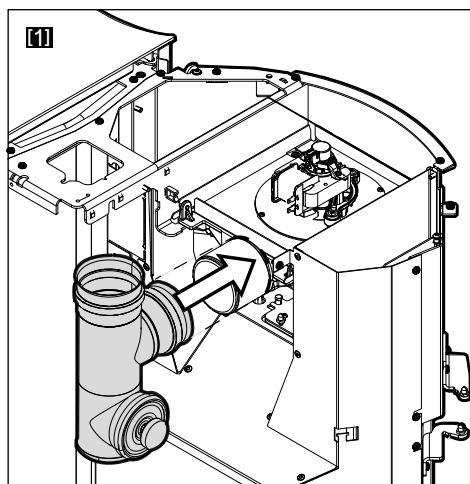
Then, using a saw, make the cuts based on the diameter of your flue outlet (see diagrams below):

- [A] flue outlet Ø80
Make 2 cuts only on the rear shelf.
- [B] flue outlet Ø130
Make 2 cuts on the rear shelf and 2 cuts on the front shelf

CHOOSE ONE OF THE TWO OPTIONS:



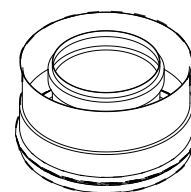
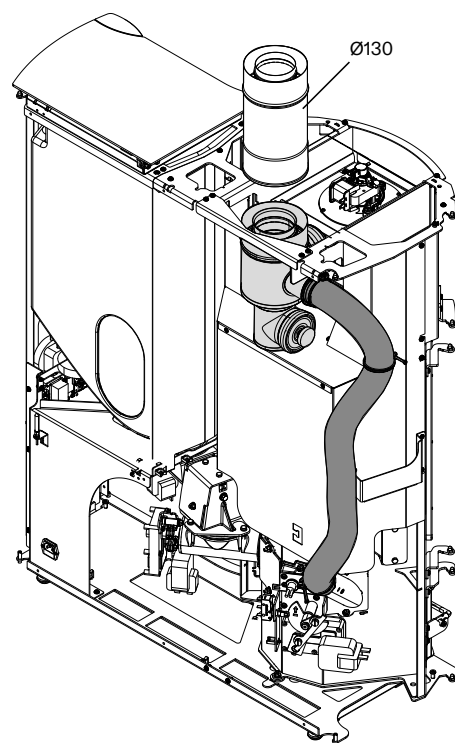
5.2.2.3. Assembly of the Tee and connection of the duct



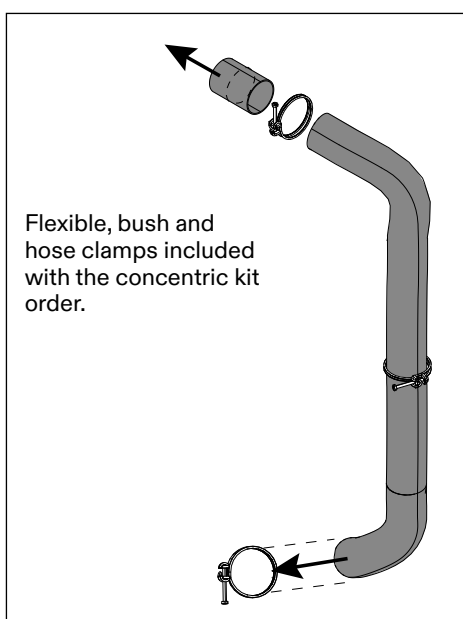
⚠ Don't forget to reinstall the stiffener after assembly!

5.2.3. Concentric flue connection (optional)

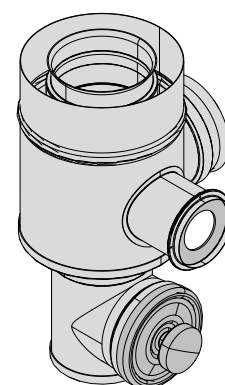
⚠ ATTENTION! The concentric installation requires mandatory modification of the flow parameters. Proceed with the settings described on the page 50.



Modinox adapter ($\text{Ø}130 > \text{Ø}125$)
ref: pla-manchon fumée/air fm
D80-noir



Flexible, bush and
hose clamps included
with the concentric kit
order.



Top concentric Tee connection
 $\text{Ø}130$ (left hatch)
ref: 12016055

5.2.3.1. Removal of the rear cover and the stiffener

Please follow the same instructions as in point 5.2.2.1.

5.2.3.2. Preparation of the top shelf of the flue outlets

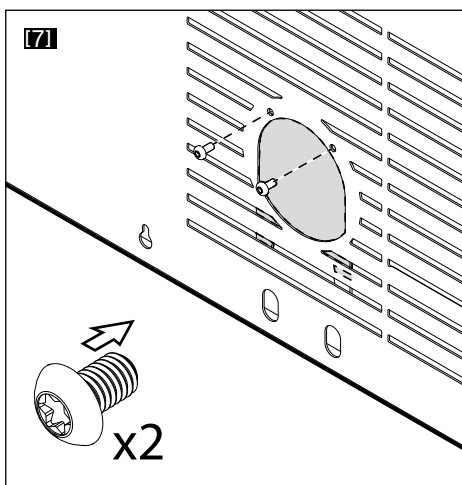
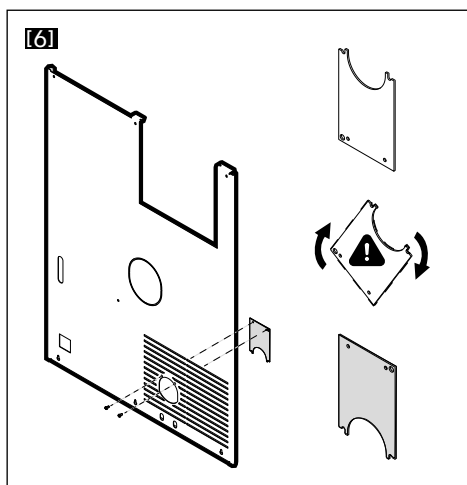
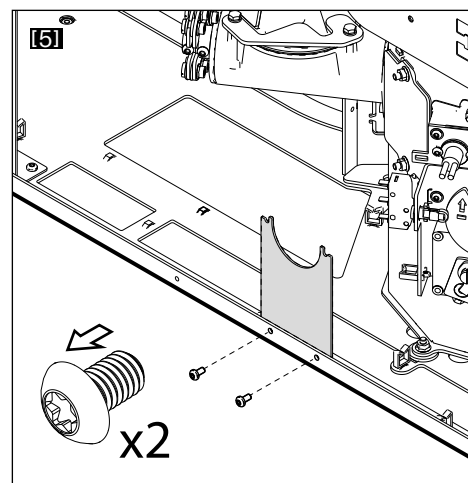
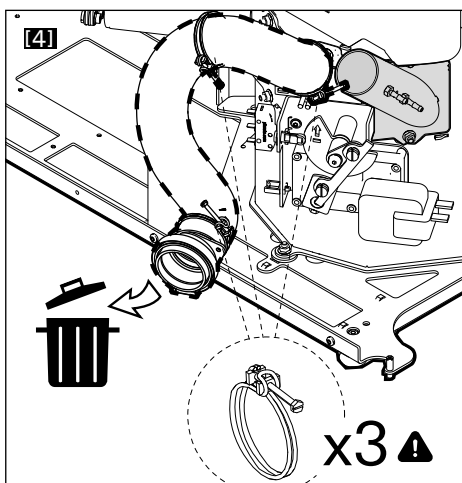
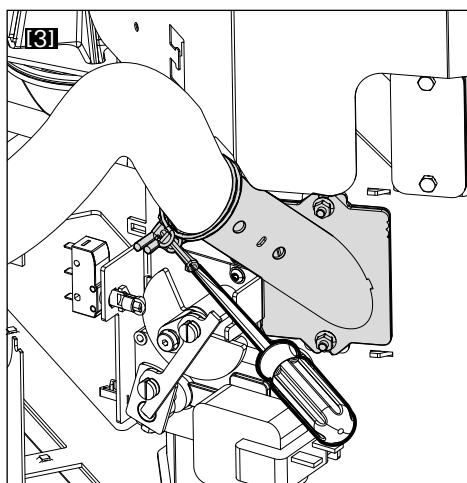
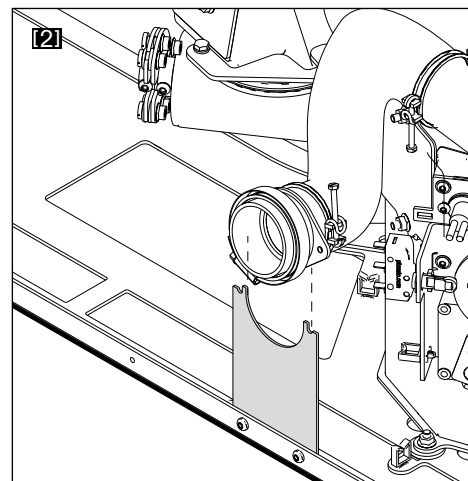
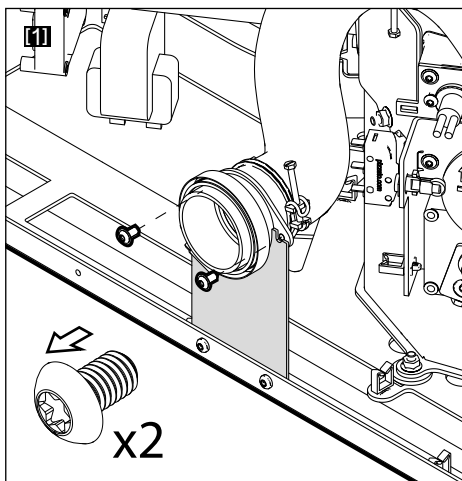
Please follow the same instructions as in point 5.2.2.2. for diameter [B] 130mm.

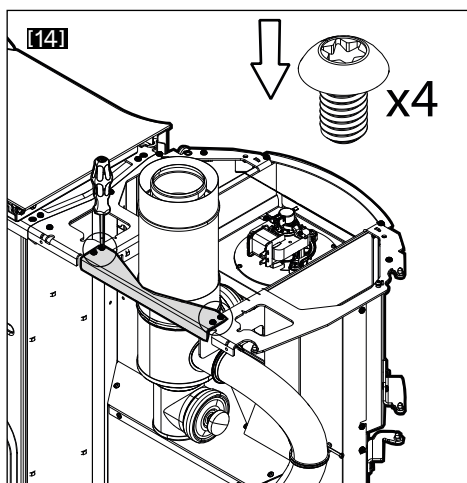
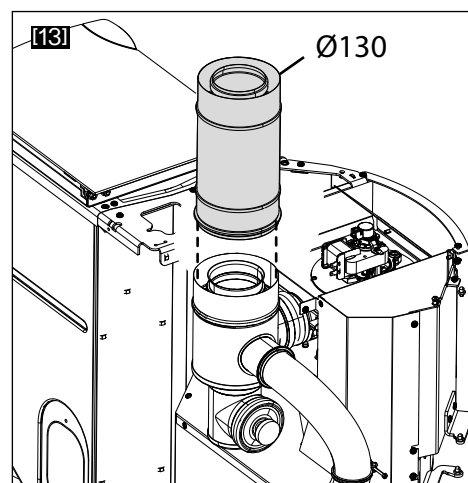
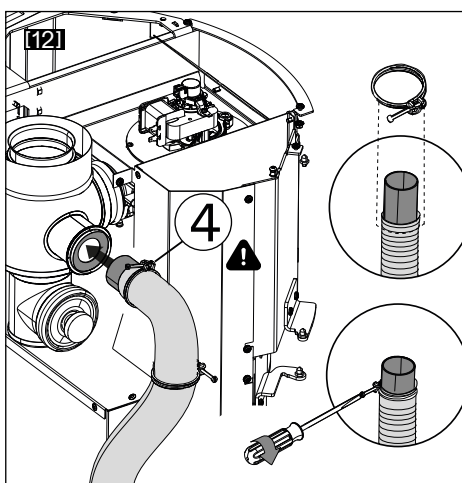
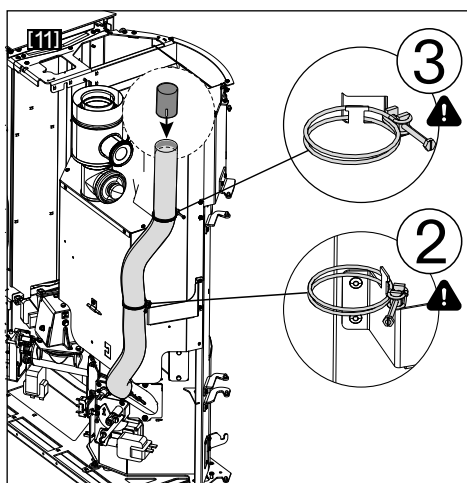
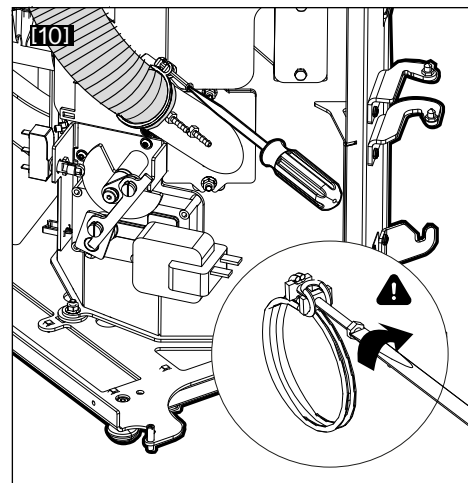
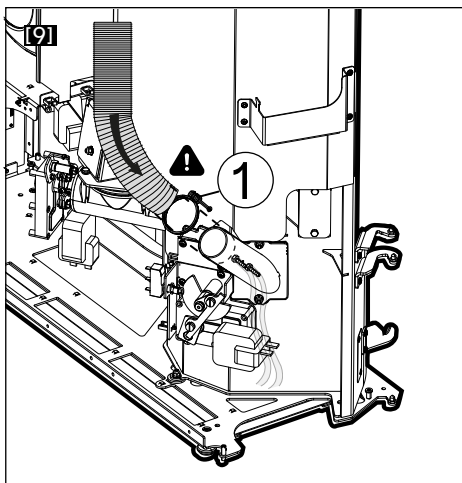
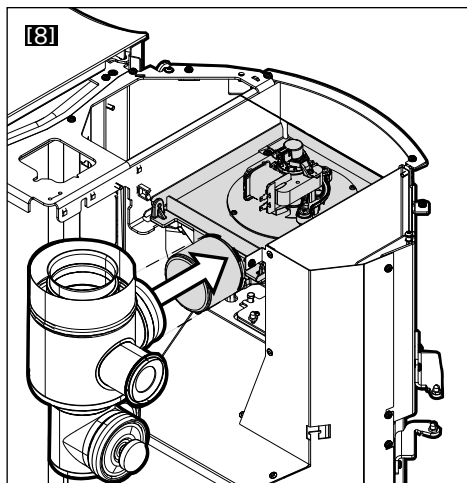
5.2.3.3. Installation of the air intake flexible duct

This step requires the removal of the rear air intake flexible duct (diagrams 1-4) in order to connect the new flexible duct to the combustion chamber.

⚠ Make sure to retrieve the 3 hose clamps from your original duct, as they will be used to secure the new one (diagram 4).

Once the flexible duct is detached, remove the rear air intake support plate from the appliance frame and attach it to the inner side of the rear cladding to seal the opening (diagrams 5-7).





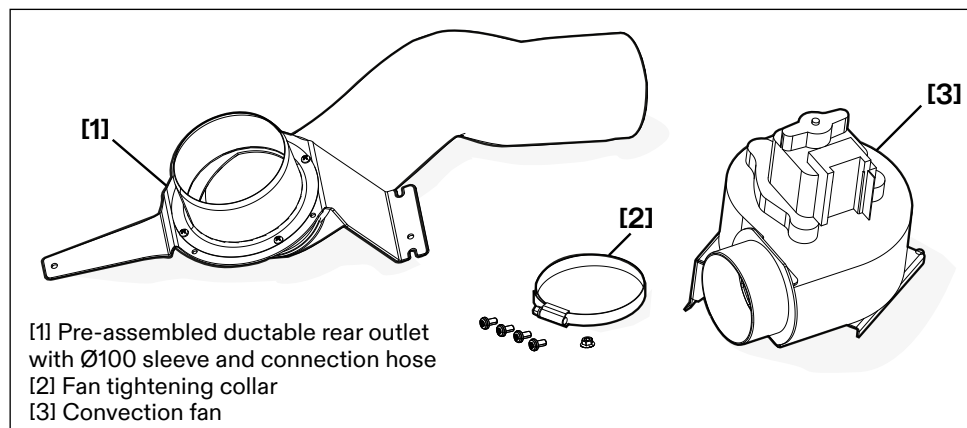
Proceed with the new connection using the flexible duct, the bush, and the 4 hose clamps. The additional hose clamp will be provided with the order of your concentric kit (diagrams 8-12).

You can now connect your concentric duct to the Tee.

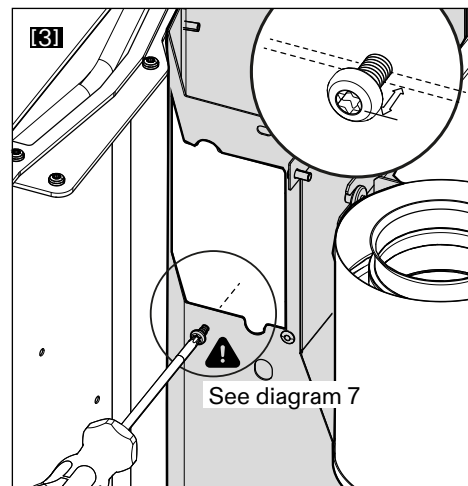
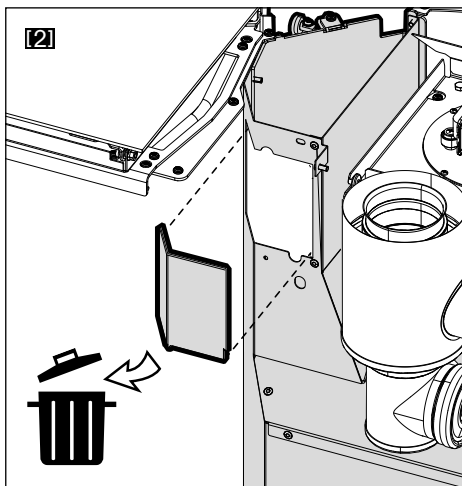
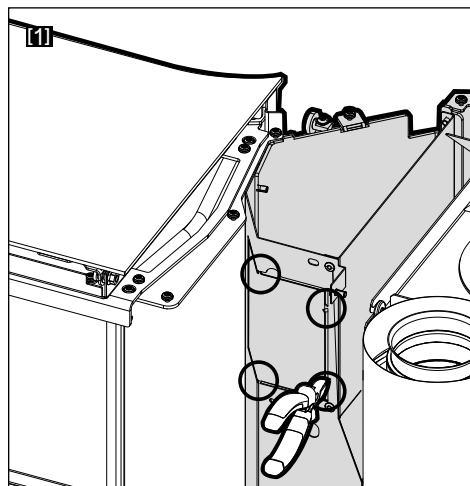
⚠ Don't forget to reassemble the stiffener after assembly!

5.3. Connection of the convection kit (optional)

5.3.1. Convection kit installation



For optimal use (low pressure loss), it is recommended to use an insulated duct with a **minimum diameter of 100mm**, with a smooth interior. The length of the duct should be as short as possible, with a **maximum of 7m**. Avoid using elbows with a **maximum of 3 elbows**, and the angle should be **at least 90°**. It is recommended to use elbows with the largest possible inner radius. **⚠ The hot air outlet must not be blocked!** It is strictly forbidden to direct the hot air outlet towards the back wall without a duct passing through the wall.



⚠ NEVER CRUSH OR COMPRESS THE PRESSURE SENSOR HOSE!! Detach it from the cable entry (diagram 4.1) before continuing the intervention. Avoid any pinching, pulling, or compression of the hose

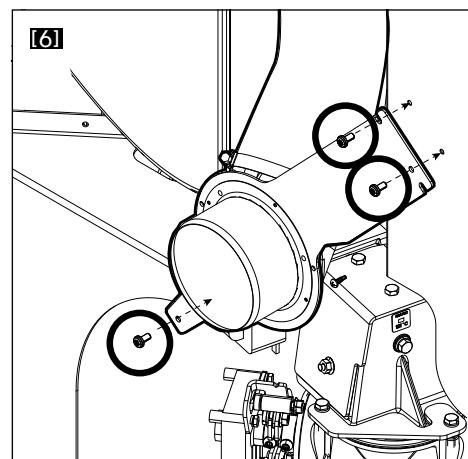
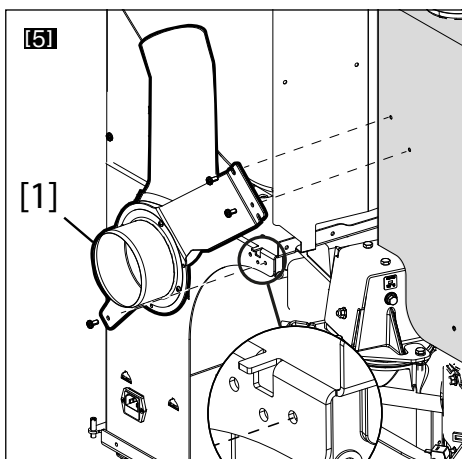
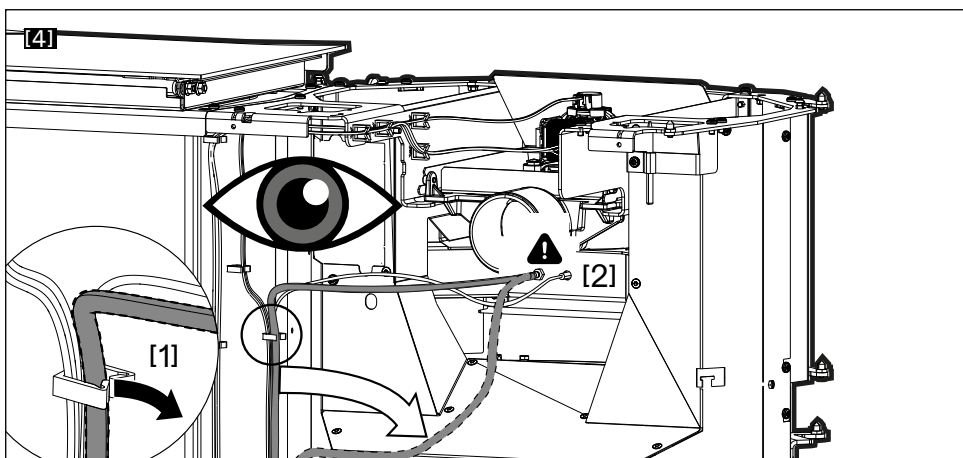
⚠ DO NOT DISCONNECT the hose from the pressure switch, nor the cable from the flue gas temperature probe (diagram 4.2)!

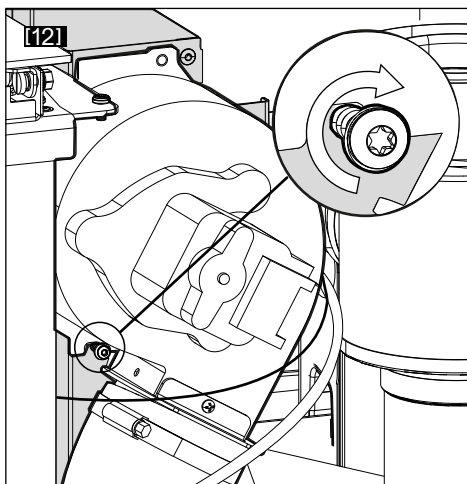
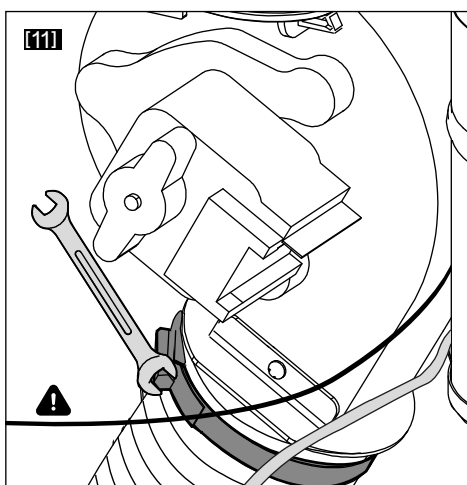
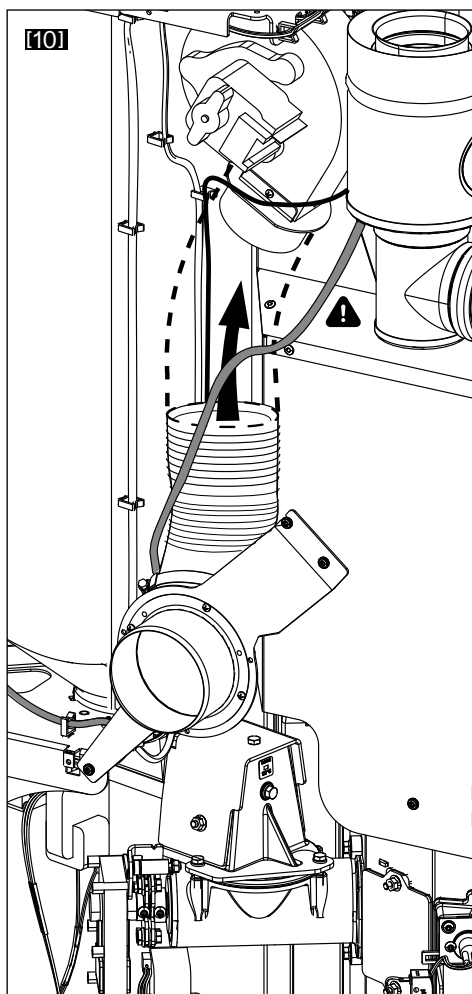
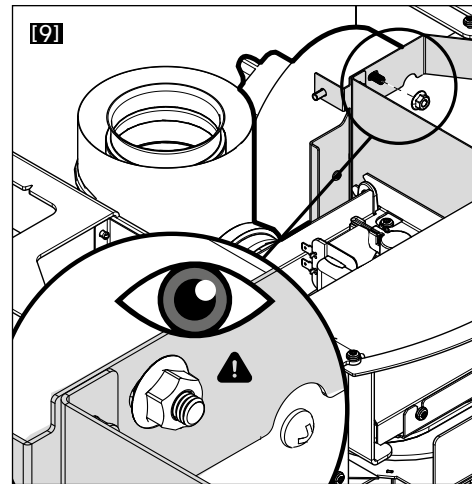
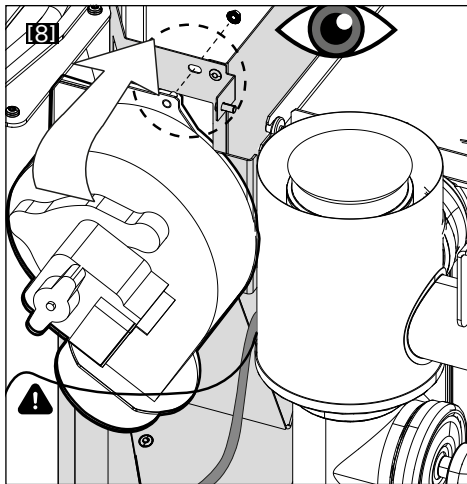
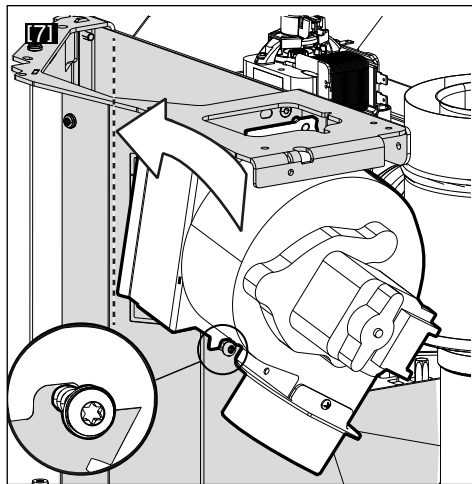
⚠ Warning: the temperatures of the hot air outlet can reach 120°C! Any penetration through walls made of combustible materials must be carried out using an insulated duct and in compliance with local building regulations.

Position the self-tapping M5 screw without tightening it fully; it will allow you to support the fan during installation (diagram 3).

⚠ Detach the pressure measurement hose to facilitate the passage of the Ø80 aluminum flexible hose (diagram 4).

Then, secure the ductable outlet using the 3 screws to the body of the fireplace (diagrams 5-6).

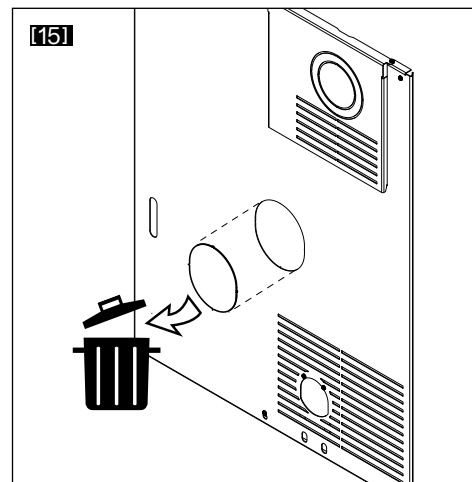
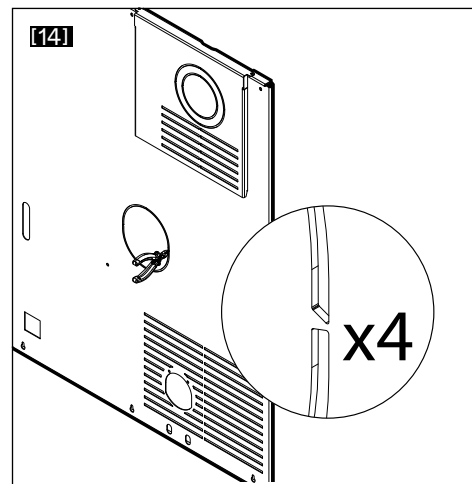
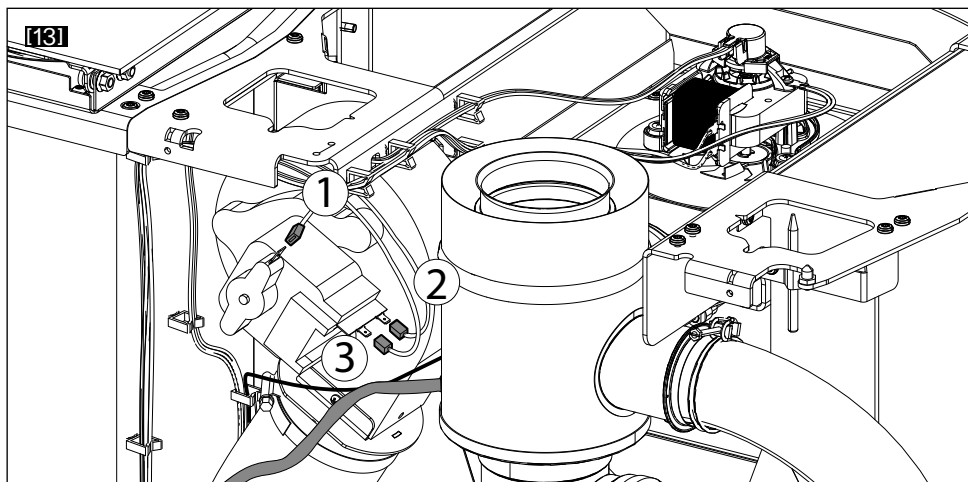




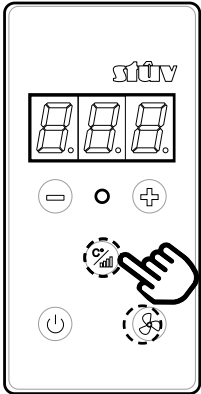
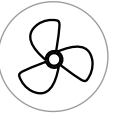
⚠ Next, position the fan, starting by supporting it on the self-tapping screw (diagram 7). Once the nut is partially tightened at the top (diagrams 8-9), proceed with connecting the Ø80 aluminum flexible hose (diagrams 10-11). Finally, secure the position of the fan by tightening the lower screw fully (diagram 12).

Next, connect the 3 available quick fixings to the convection fan (diagram 13).

Complete the operation by performing the cut on the rear panel (diagrams 14-15). Follow the rest of the instructions to proceed with reassembling the panels.

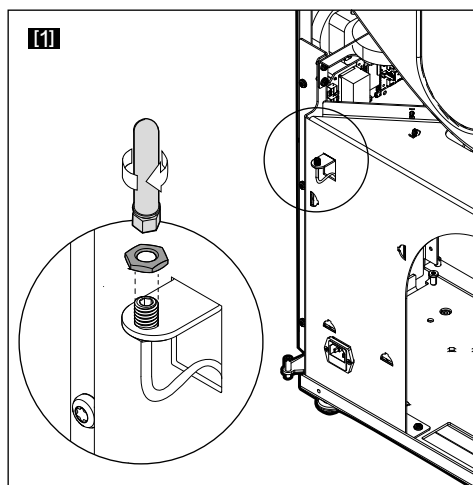


5.3.2. SCD activation and convection air setting

Interface	Main command	Display sequence	
	 Press & hold for min 10 sec.	Installation mode active: 	Access the 'mode' button on the SCD located under the pellet tank access panel. Press and hold the 'mode' button for more than 10 seconds to enter installer mode → The display will flash, confirming that installer mode has been activated. Then hold down the fan button for more than 10 seconds → A confirmation message 'FAn On' should appear on the SCD display. ⚠ If the 'FAn On' message does not appear, repeat steps 2 and 3 until you receive this confirmation!
	 Press & hold for min 10 sec.	Convection air active: 	

6. Final assembly

6.1. Antenna mounting

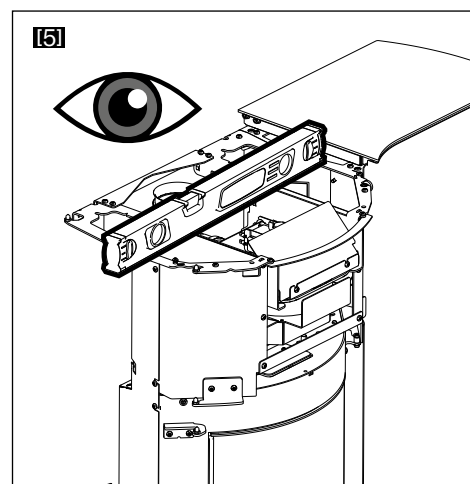
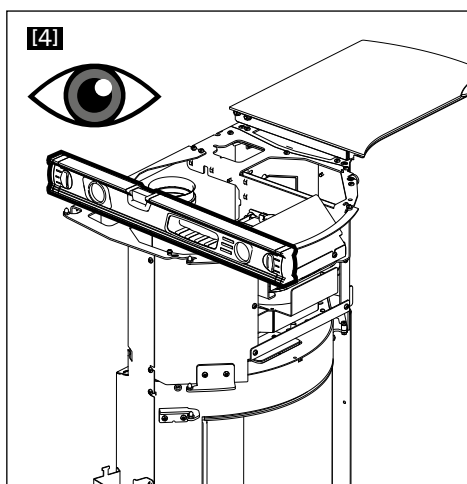
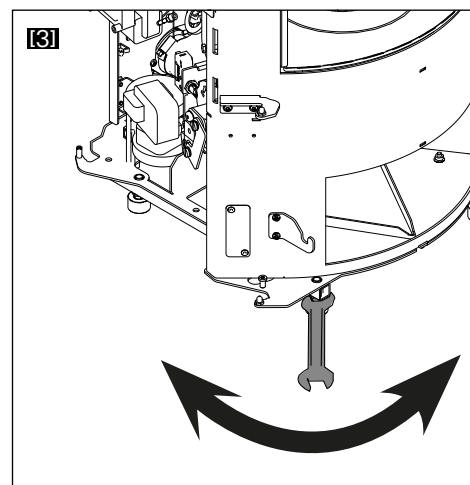
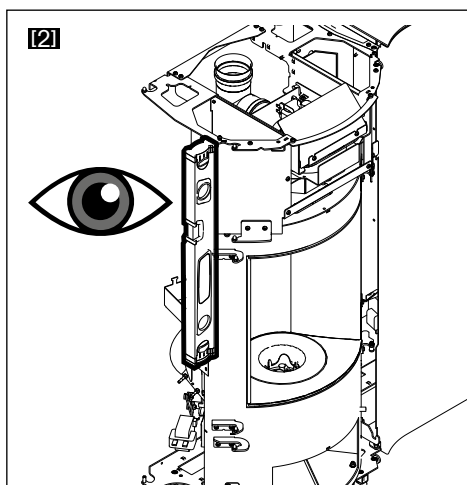


⚠ Proceed with the assembly of the nut and the antenna provided in the supplementary hardware box.

⚠ Ensure the leveling of your device. It is essential for the proper functioning of your installation. This leveling will impact the different connections.

Do not lower the height below the minimum between the floor and the bottom of the device (feet screwed in fully).

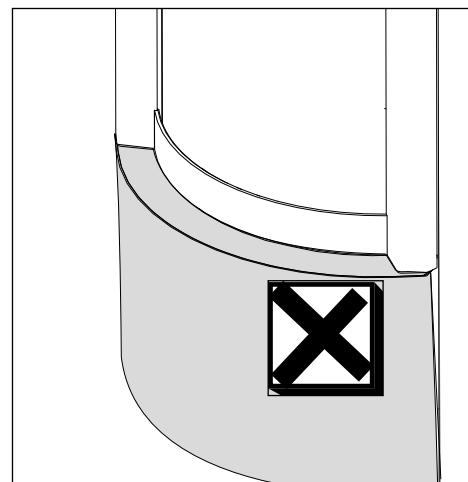
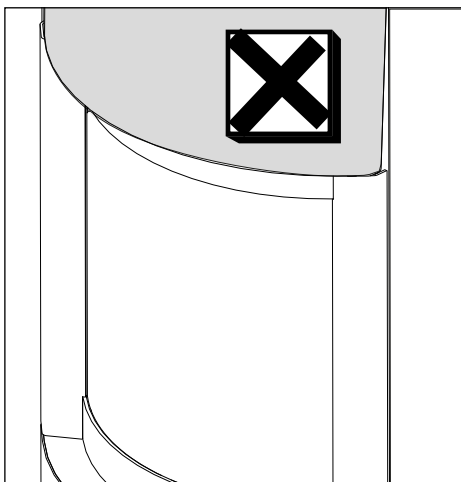
6.2. Leveling of the device



6.3. Reassembly and alignment check of the cladding

Once the connection phase is completed, proceed with the cladding of the stove (diagram 6). Please place the cladding in the following order:

1. Rear cladding
2. Side cladding
3. Ash drawer door
4. Combustion chamber door
5. Loading hopper access door
6. Top shelf of the flue outlets

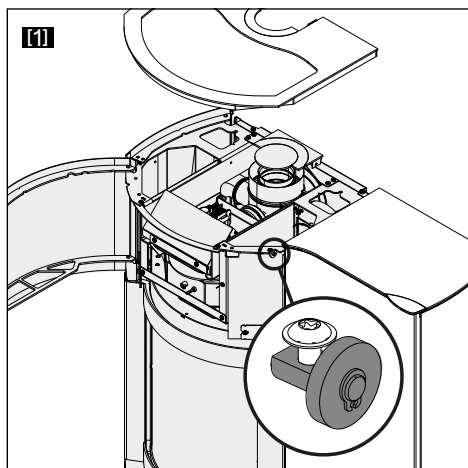


⚠ Only intervene if necessary!

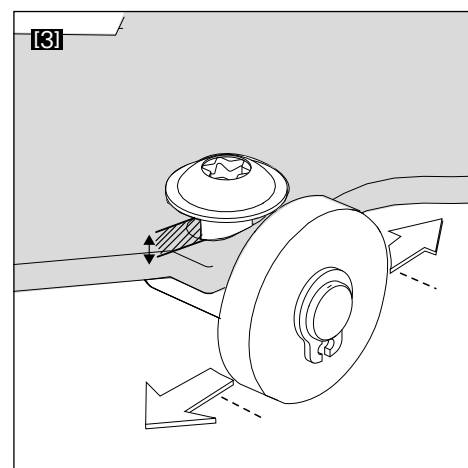
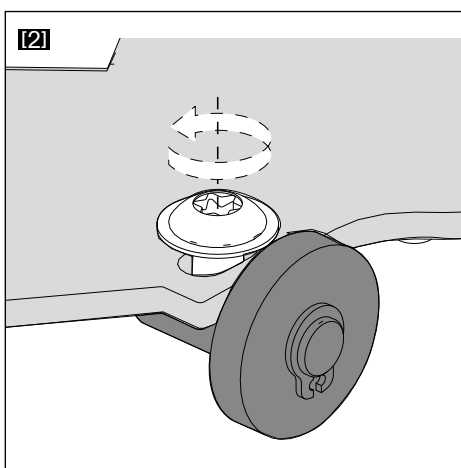
Great care was taken during the factory setup of your device.

However, you may adjust the following points if you notice that a misalignment between the cladding may have occurred during transportation or handling of the device (diagram 1 and 2).

6.3.1. Realignment of the pediment

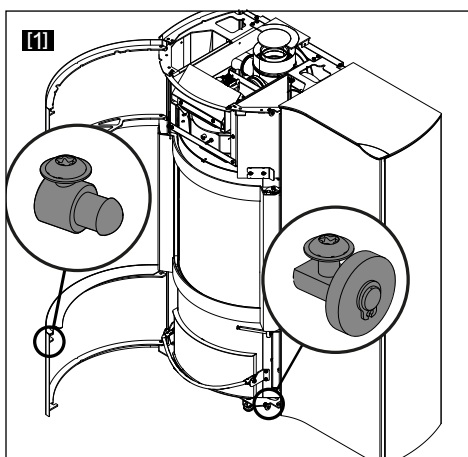


Only perform this adjustment if necessary (diagram 1).

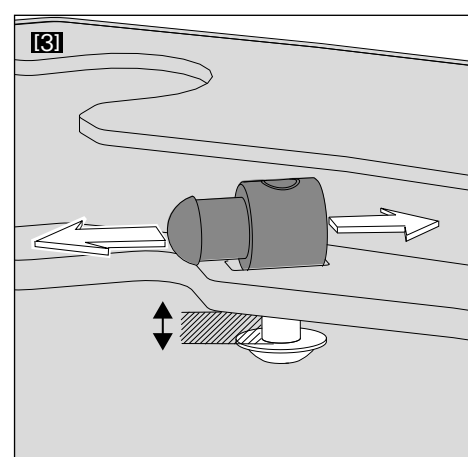
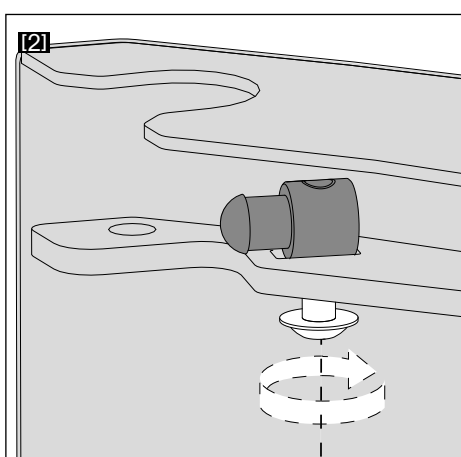


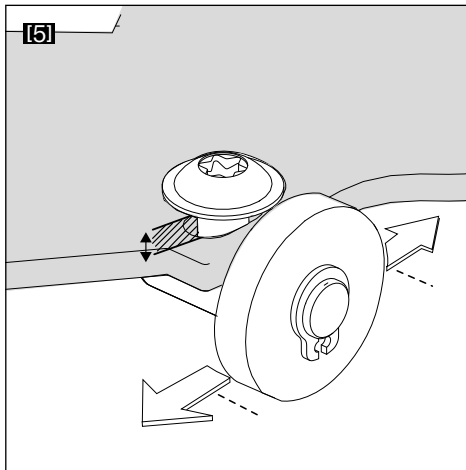
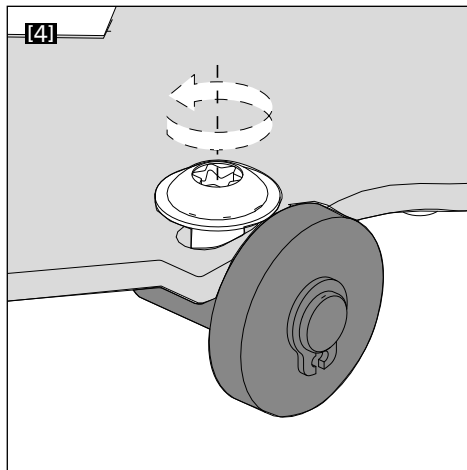
⚠ Be sure to tighten the 2 screws properly once the correct adjustment has been made!

6.3.2. Realignment of the door



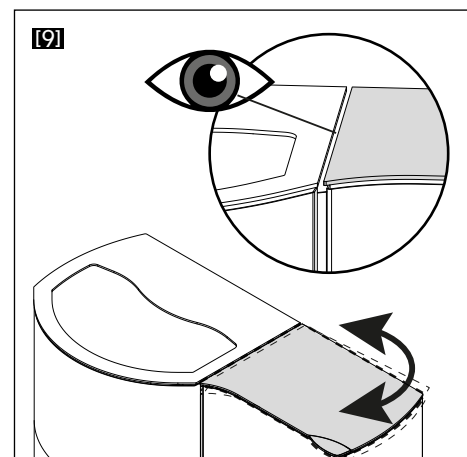
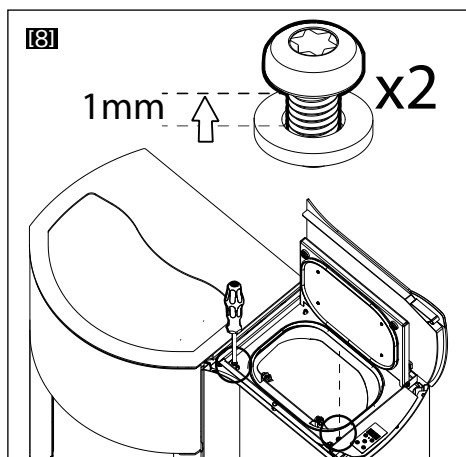
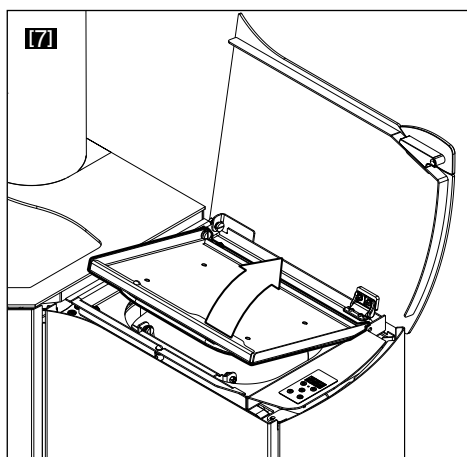
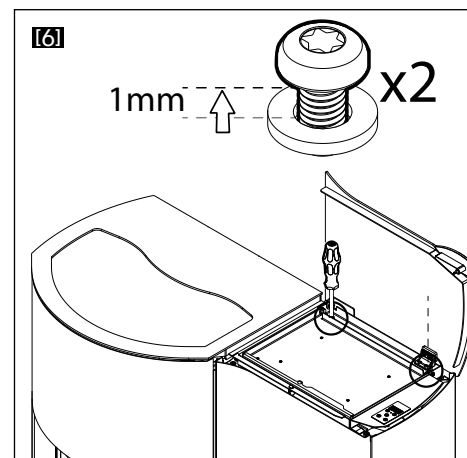
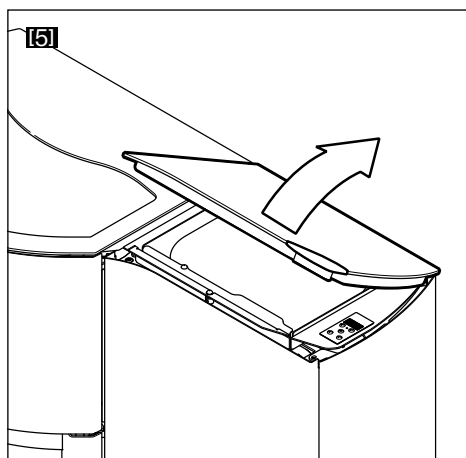
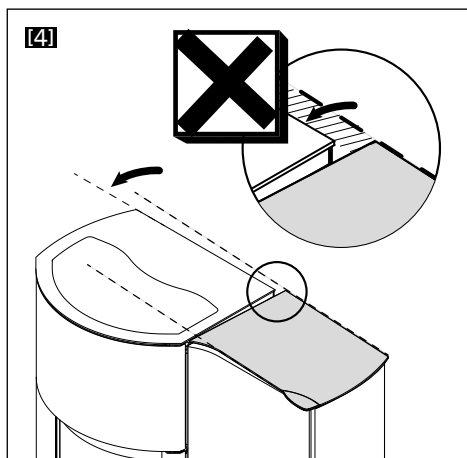
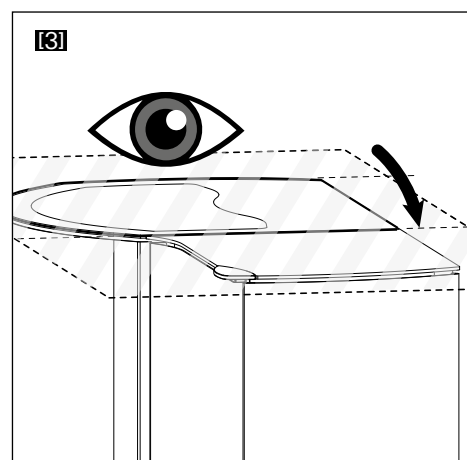
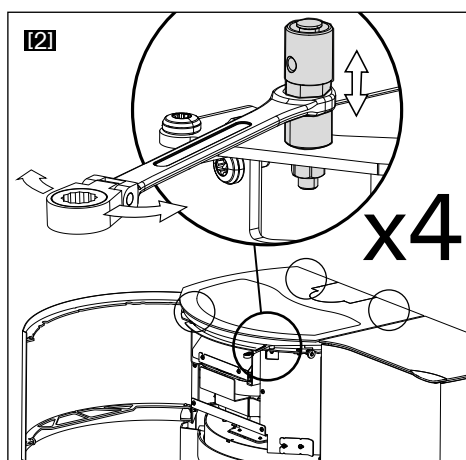
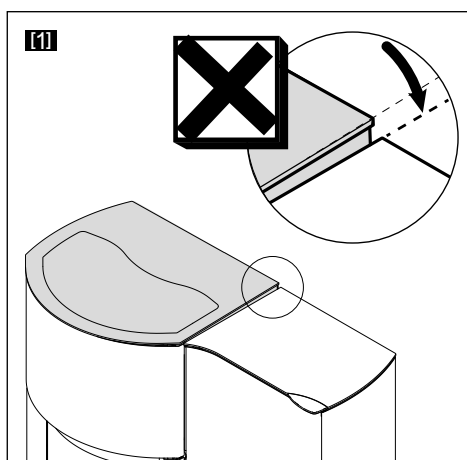
⚠ Only make this adjustment if necessary (diagram 2).





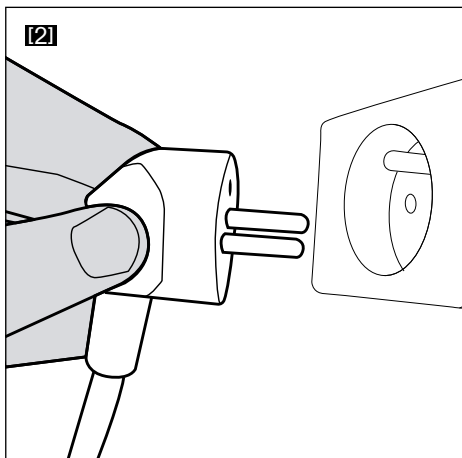
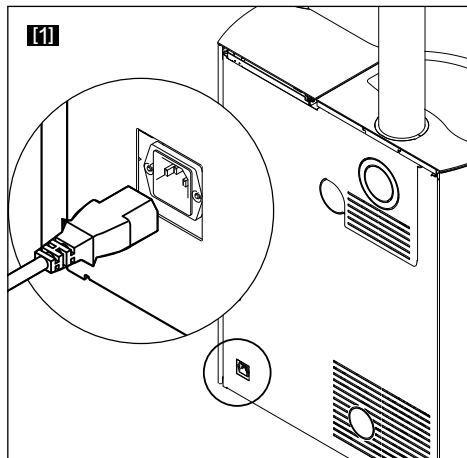
⚠ Be sure to tighten the 2 screws properly once the correct adjustment has been made!

6.3.3. Realignment of the top shelves

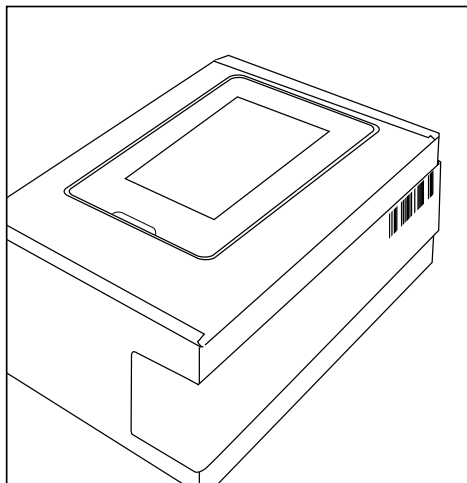


Commissioning

1. Powering on



2. Connection and pairing of the remote control (optional)

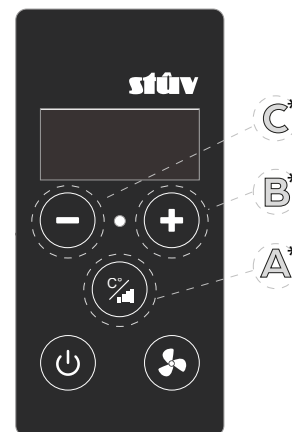


Please refer to the «Quick Start Guide: Remote Control» provided in the remote control box. It will guide you through the different steps of pairing the remote control with your device.

3. Description of the SCD functions

3.1. Functions of the Stûv P20-B buttons based on pressure duration

Buttons	Press Duration	Function	Expected State	
A 	8 sec (long press)	Activation / deactivation of configuration mode	The Simplified Control Display screen blinks	
	In configuration mode (the SCD screen blinks)			
	B 	2 sec (short press)	Switching between Wi-Fi and wired (Ethernet) operation	The LED indicates the network status (see LED status table below)
		8 sec (long press)	Switching the Wi-Fi module to access point mode (visible as Wi-Fi module, connection possible)	The LED blinks orange
	C 	2 sec (short press)	Opens a connection window to the remote control for 1 minute	The LED blinks purple
		8 sec (long press)	Resetting the connection to the remote control + opening a connection window for 1 minute	



Simplified Control Display (SCD)

3.2. Connection status indications via the SCD LED

Color	Status	Meaning	Resolutions
Green	Solid	Connected to the home Wi-Fi network	/
	Flashing	Home Wi-Fi network configured. No access to the network	Restart the home network configuration and verify its settings*
Blue	Solid	Connected to the wired home network (Ethernet)	/
	Flashing	Wired home network configured. No access to the network	Check the proper connection of the Ethernet cable to the router*
Orange	Flashing	Device Wi-Fi in access point mode	/
Purple	Flashing	Remote control connection window open (1 minute)	/
Red	Solid	Remote control connection window open (1 minute)	When the device is off, disconnect it and reconnect it after 15 seconds
	Flashing	Connection error between the communication board and the device control board	Check the proper connection of the communication cable between the two boards of the device*
Off		Communication board not powered or software error	Check the device's power supply Check the power supply to the communication board Check the proper connection of the cable between the communication board and the control board

*Please refer to the networking procedure on the next page.

4. Device installation on the home network

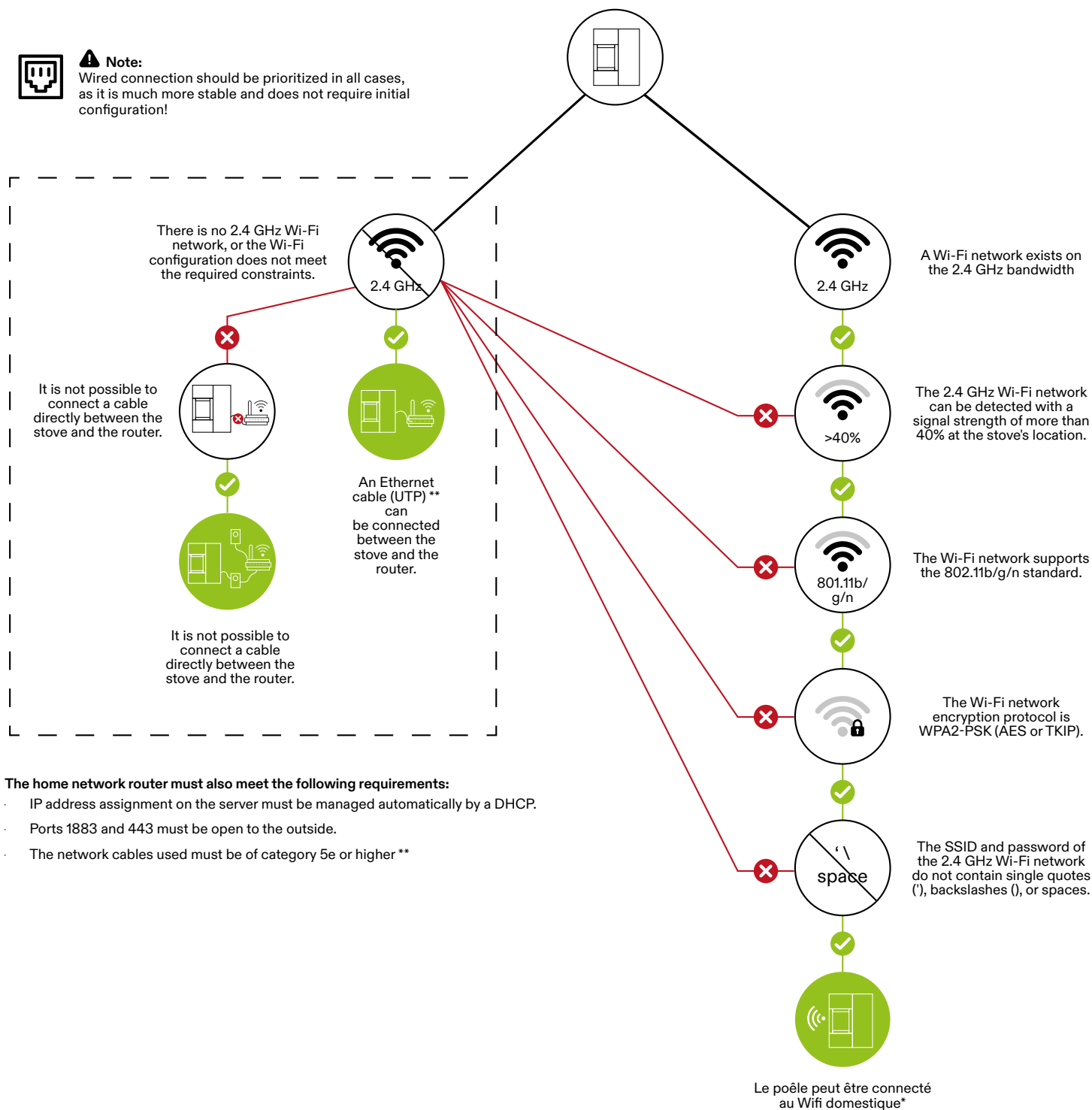
⚠ Stûv strongly recommends connecting your Stûv P20-B to the home network. In addition to all the benefits of remote control of your stove, connecting to the home network will allow you to benefit from Stûv's remote maintenance service, diagnostics on the status of your device, and automatic software updates.

4.1. Different network connection options



Note:

Wired connection should be prioritized in all cases, as it is much more stable and does not require initial configuration!



The home network router must also meet the following requirements:

- IP address assignment on the server must be managed automatically by a DHCP.
- Ports 1883 and 443 must be open to the outside.
- The network cables used must be of category 5e or higher **

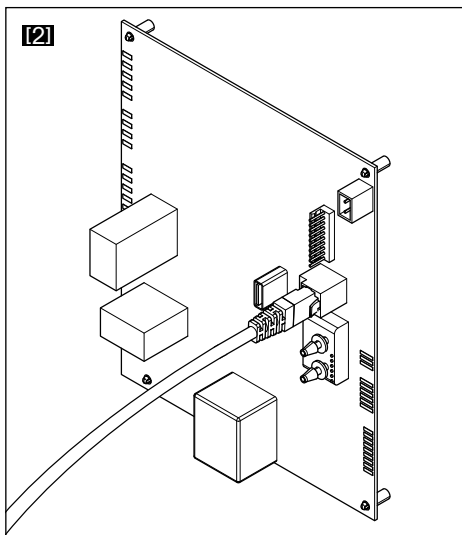
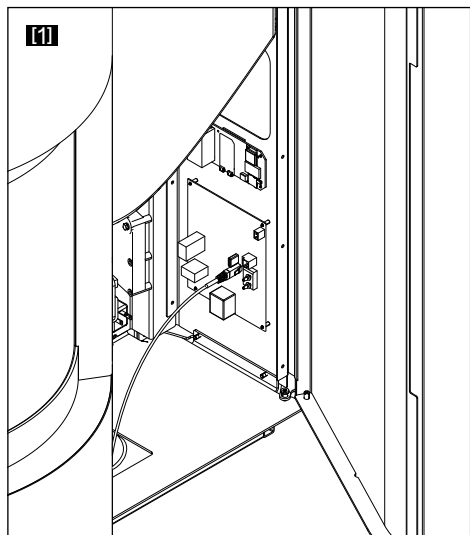
4.2. Installation of your sP20-B on the network

4.2.1. Network installation via wired connection (Ethernet)

4.2.1.1. Direct or indirect connection (via the home's network) via cable to the router



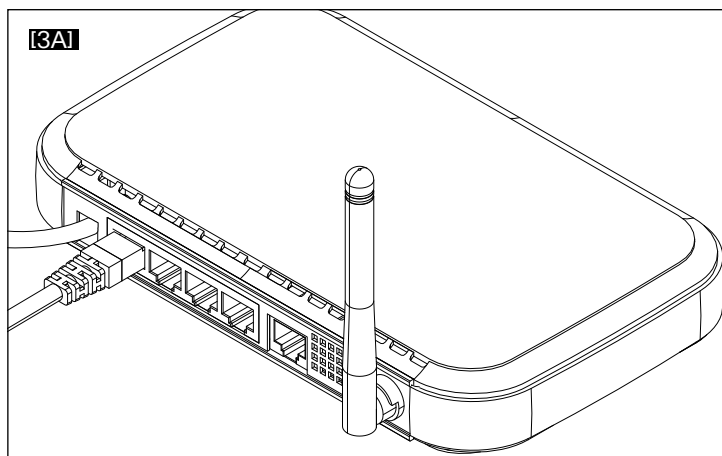
The tutorial for connecting the device to the home network is directly integrated into the «Stûv Pellets» app. Once installed on your smartphone, it will guide you through the steps to connect your device.



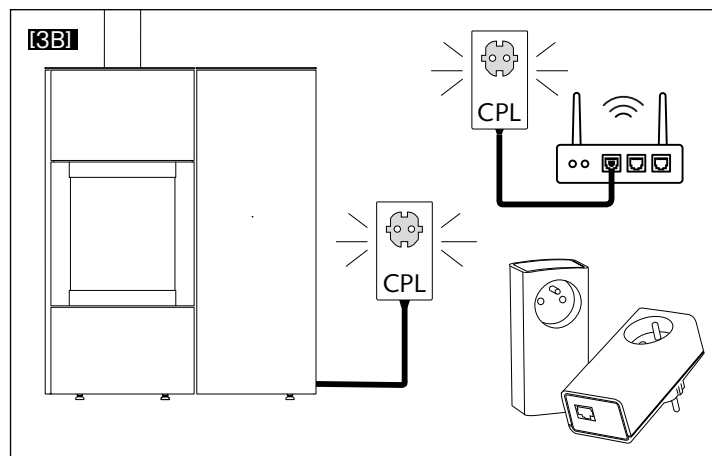
Access to the Ethernet port of your device is done by opening the right panel (diagram 1). Plug one end of your cable into the dedicated port on the network card (see diagram 2).

Choose one of the following two options to complete the connection:

- Direct or indirect connection via cable or router (see diagram 3A)
- Connection via Powerline (CPL) to the router (see diagram 3B)

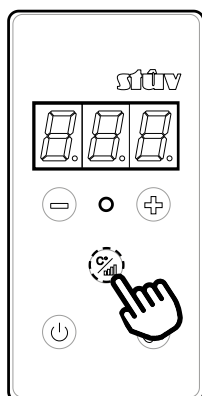


Connect the other end of the cable to the router to complete the connection.

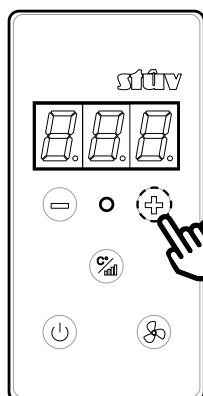


If the router is too far from the stove, a system such as Powerline (CPL) can be a simple solution for setting up the cable. The purchase price for such an option ranges from €50 to €75).

4.2.1.2. Connection via Powerline (CPL) to the router



Press for 8 seconds



Press for 2 seconds



The LED should then turn solid blue, confirming that your wired connection is active.

If this is not the case, refer to the LED status table on page 43.

4.2.2. Installation on the network via Wi-Fi



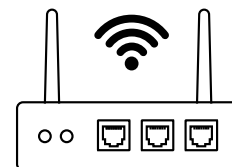
The tutorial for connecting the device to the home network is directly integrated into the «Stuv Pellets» app. Once installed on your smartphone, it will guide you through the steps to connect your device.

If you still wish to connect your device to your Wi-Fi, make sure to apply each of the parameters below.

⚠ If your Wi-Fi setup cannot meet these prerequisites, it is then imperative to use the wired connection.

4.2.2.1. Minimum required settings for a Wi-Fi connection

- A home Wi-Fi network on the 2.4 GHz frequency band (the 5 GHz frequency band is not supported);
- A network configuration preferably on a 20 MHz bandwidth (a 40 MHz bandwidth is also supported but less stable);
- An uncongested channel. The communication card covers all 14 available Wi-Fi channels. An environment with too many Wi-Fi networks can lead to connection issues (instability, interference, etc.). Configure your router to use a less congested channel.
- A home Wi-Fi network supporting the 802.11b/g/n standards.
- Different SSID (= network names) for the 2.4 GHz and 5 GHz bands.



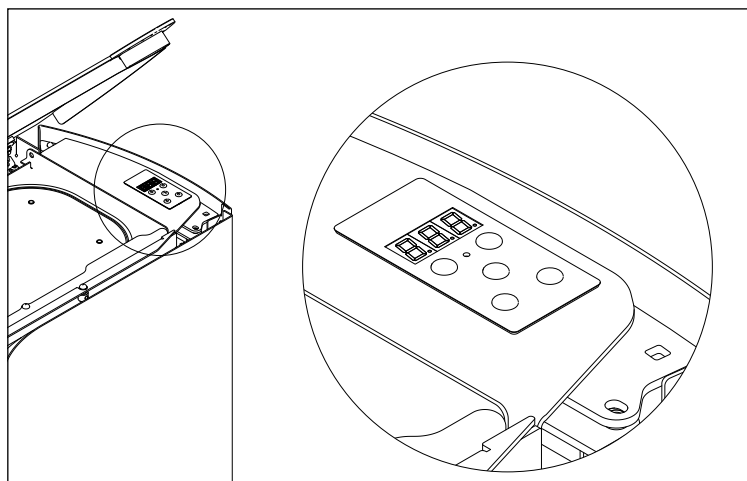
Wi-Fi 2.4 GHz reception > 40%

⚠ Some home Wi-Fi networks use technology that broadcasts a single SSID (network name) for both 2.4 GHz and 5 GHz networks. This technology often causes issues and may not always allow the P20-B to connect to the home network. We strongly recommend configuring one SSID for the 2.4 GHz network and a different SSID for the 5 GHz network in this case.

⚠ The SSID can be visible or hidden;

- A Wi-Fi encryption protocol, either WPA2-PSK (AES or TKIP) or a mixed WPA/WPA2. WPA-Enterprise is not supported;
- A Wi-Fi signal strength of at least 40% where the device is located.
- Neither the SSID (network name) nor the password can contain the quote (') or backslash (\) characters. Other special characters such as «#|&\$!?,.,/:{}()*\$%» are supported.

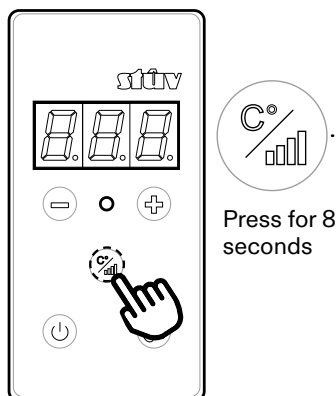
4.2.2.2. Connecting your device to the Wi-Fi network



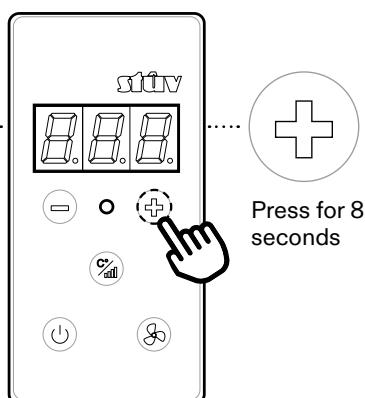
The connection process of your device is carried out through the «Simplified Control Display,» the integrated control screen of your device [diagram 1]. You will find it under the access panel to the loading trap.

Carefully follow the steps described on the next page to connect your device.

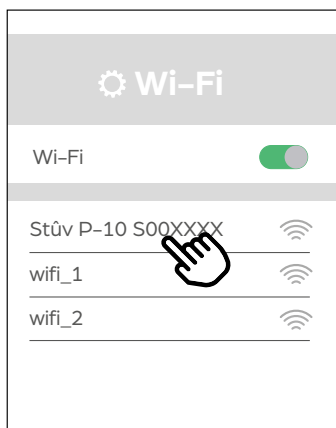
[1]



[2]



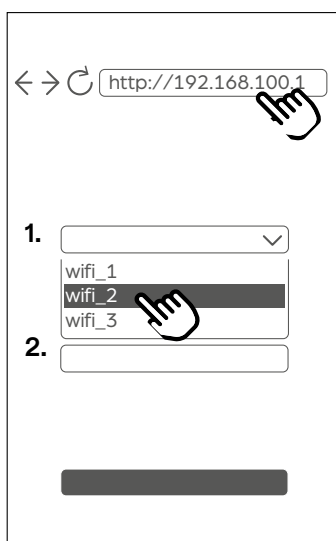
[3]



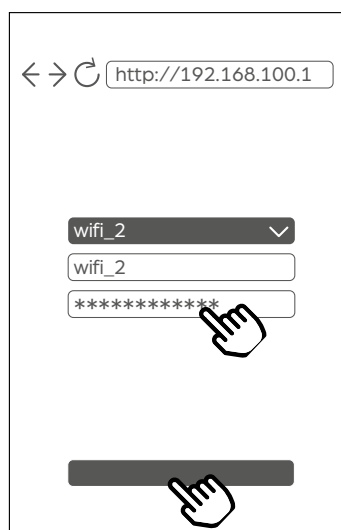
[4]



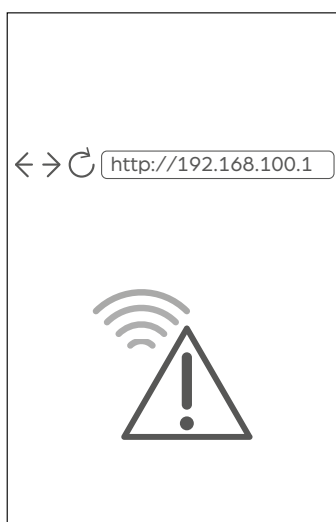
[5]



[6]



[7]



Press and hold the button  (diagram 1) for at least 8 seconds

Then press and hold the button  at least 8 seconds (diagram 2). **The indicator light should then flash orange**, indicating that the device is in «Access Point» mode and is ready to be connected to a Wi-Fi network. On a connected device (smartphone, tablet, or PC), connect to the Wi-Fi network named «**Stuv_P10 S00XXXX**» (diagram 3). No password is required. This network is unsecured.

On the connected device, open a web page and type the following address into the URL bar: «**http://192.168.100.1**» (diagram 4). Note: Be careful not to confuse the search bar of a search engine with the URL address bar. On the page that appears, drop down the first menu to select the wireless network where the device will be installed (diagram 5.1). If the desired Wi-Fi network is hidden, you can directly type the device name to search for it (diagram 5.2). Enter the password for the selected wireless network, then press «**Configure and restart**» (diagram 6).

Attention: Make sure you have the correct password for the end user's wireless network.  Some devices automatically switch to uppercase! Certain special characters and punctuation marks in the Wi-Fi network name (SSID) may also cause connection issues.

The unit will then be installed on the home network. **Attention: The connection may take several minutes.**

With a connected device, check that the unit is functioning correctly by installing the app and performing a connection test. If the unit was successfully installed on the home network, an error page will appear in the browser, confirming that the unit is no longer in access point mode and has been successfully connected to the network (schema 7).

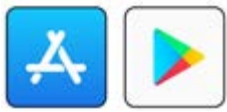
The LED should then turn solid green, indicating that the operation was successful.

 A flashing green light indicates that the device could not connect to the Wi-Fi*. The error is due to either the password or one of the communication settings (see summary page 44).

* Stuv cannot be held responsible for the compatibility with the Wi-Fi network or the stability of the Wi-Fi network.

5. Controlling the Stûv P20-B with a Smartphone

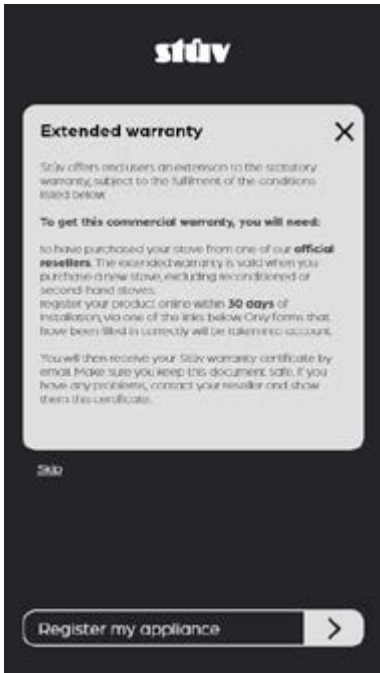
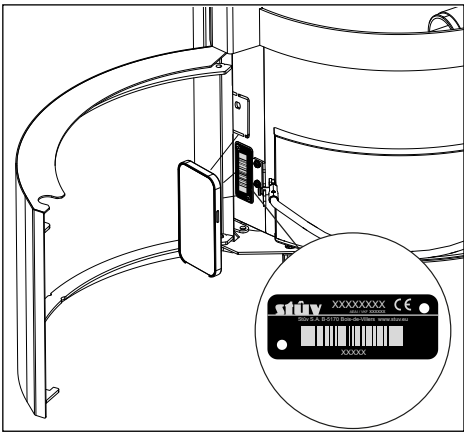
5.1. Downloading the Stûv Pellets App



The Stûv app allows you to configure and control your device. Download and install the app for free by searching for «Stûv Pellets» in the Play Store or App Store.

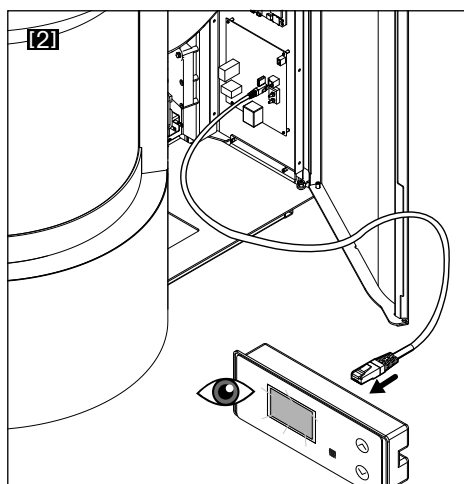
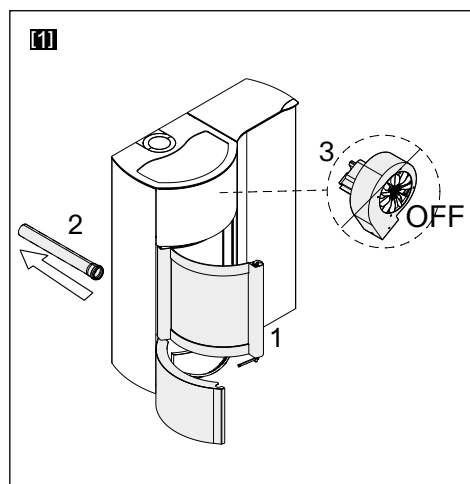
5.2. Connecting Your Smartphone to the Stûv P20-B

When launching the app, a message will indicate that no stove is connected. Tap «Connect my device» to start the connection process. Follow the remaining connection steps in the app.



6. Airflow calibration (mandatory after each transport)

6.1. Preparing the stove for calibration

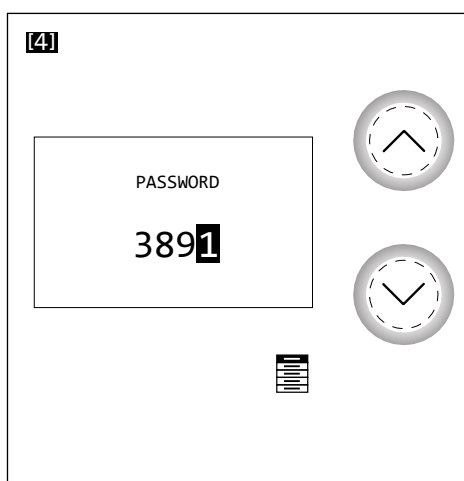
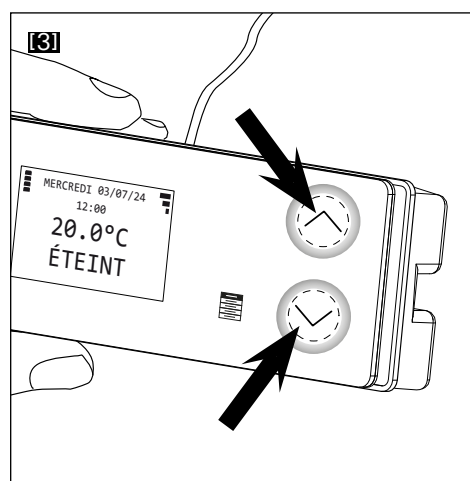


⚠ The Stûv-specific diagnostic and wired adjustment display is required for this step.

⚠ **Warning!!!** The calibration must be performed on a switched-off appliance, with the fan stopped and any external air supply disconnected. It is also essential that the door is open (see diagram 1) during the operation.

Connect the display to the Ethernet port of the network card. You will find this on the lower right side of the interior of the appliance, after opening the cladding (diagram 2).

6.2. Starting the calibration

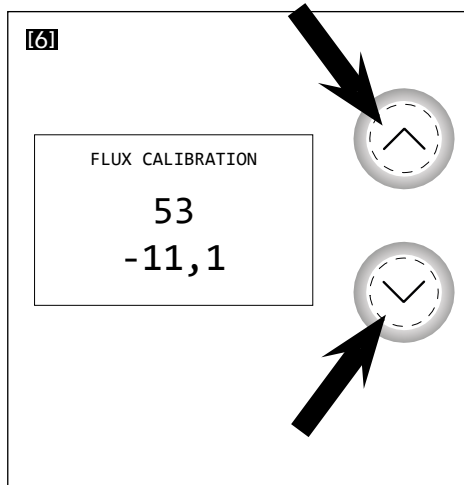
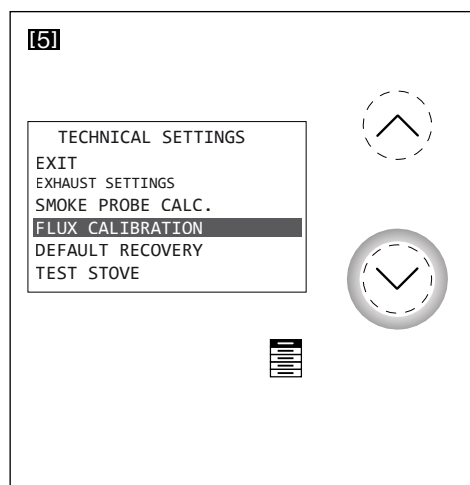


Entering the «Technical Settings» menu: press and hold and (diagram 3).

Enter the code **3891** - use and to select the desired digits. Press briefly (diagram 4) to move to the next digit. Confirm the combination by pressing and holding .

Enter the «Flow Calibration» menu by pressing (diagram 6). If the values displayed are «100» and «0.0», the flow sensor is correctly calibrated.

If not (for example, «53» & «-11.1»), you need to perform a recalibration. To do this: In the flow calibration screen, press and simultaneously. The appliance will then reconfigure the flow sensor.



Wait until the remote displays the home screen. Once this happens, the operation is complete.

⚠ **Then, reconnect the external air supply duct to finalize the operation.**

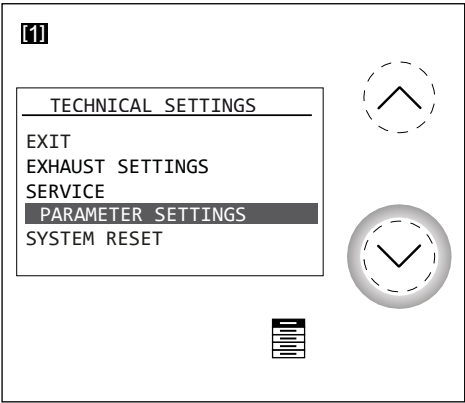
7. Modification of the flow settings (mandatory in the case of a concentric installation)

7.1. Table of new flow values (concentric installation)

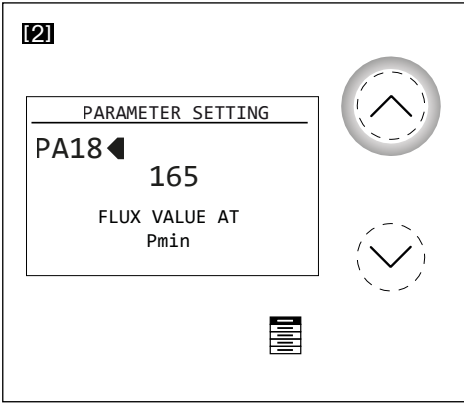
Your Stûv P20-B is factory set for a single-flue smoke outlet, complying with the EN-13384 standard. Connecting the Stûv P20-B to a concentric flue requires mandatory adjustments to the minimum and maximum flow parameters of your device.

Air adjustment	Single flue	Concentric flue
Flow at Pmin (PA18)	143	165
Flow at Pmax(PA19)	165	215

7.2. Applying the new flow values (concentric installation)



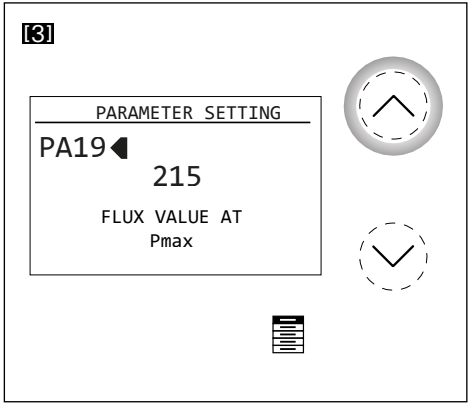
Under the «Technical Settings» menu of the diagnostic and wired settings display (see previous page), select «Settings menu» using the button  (diagram 1).



Select parameter 18 (PA18) related to Pmin using . Confirm your selection by pressing .

Increase its value from 143 to 165 using the button .

Confirm this value using the button .



Then select the following parameter (PA19) related to Pmax using the button . Validez votre sélection en appuyant sur la touche .

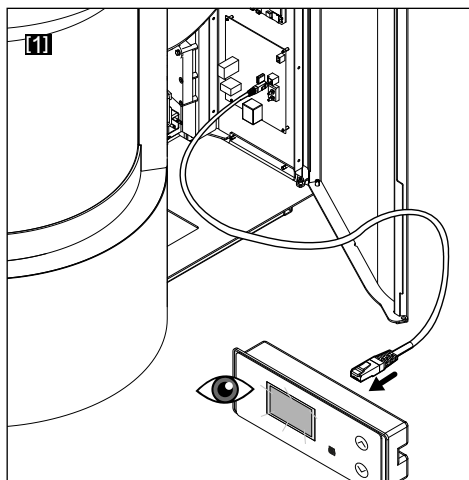
Confirm your selection by pressing the button. Then increase its value from 165 to 215 using the button . Confirm this value using the button .

Perform a quick check of the registration of these new values using the button .

Exit the menu by holding the button down .

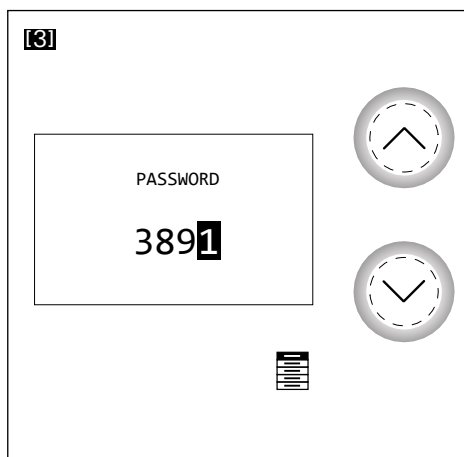
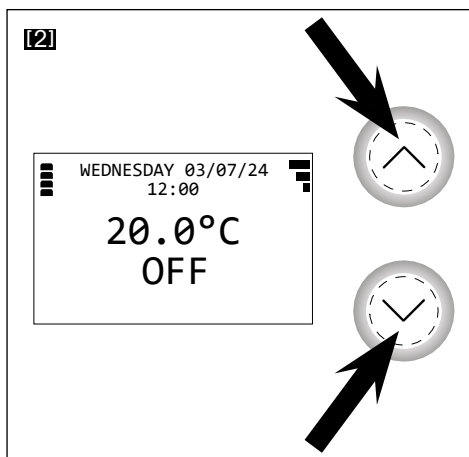
8. Flue temperature calibration

8.1. Preparing the stove for calibration



⚠ The specific Stuv diagnostic and wiring control display is required for this step. Connect the display to the Ethernet port of the network card. You will find this on the lower right interior side of the device, after opening the cover (diagram 1).

8.2. Start of the calibration



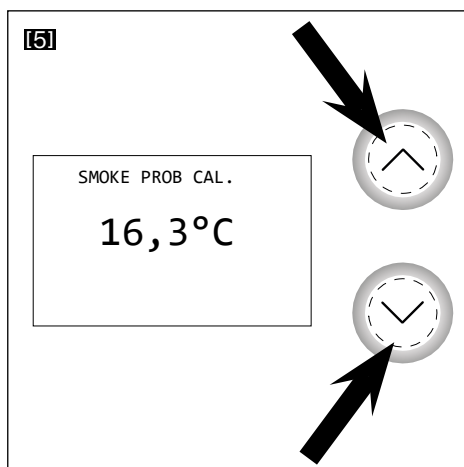
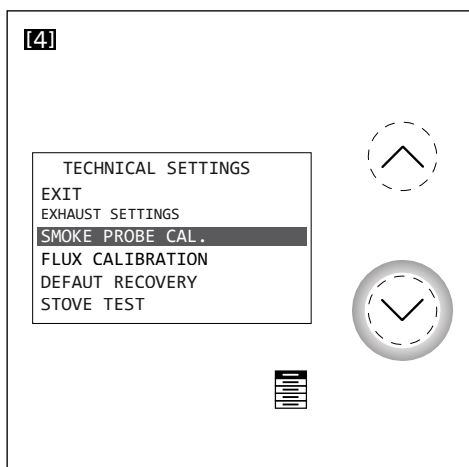
Enter the technical settings menu by pressing and simultaneously and holding them down (diagram 2).

Use the code 3891 - Enter the desired number using the and keys. Move to the next digit by briefly pressing . Validate the combination by holding down (schema 3).

Select «Smoke T Calibration» in the menu, confirm using the key (schema 4).

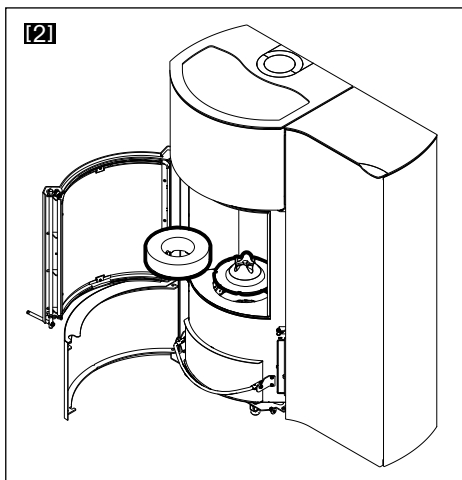
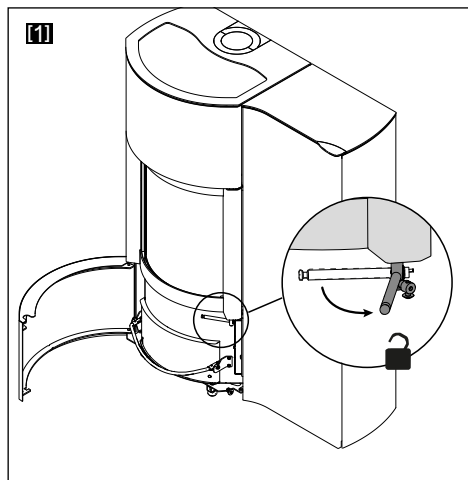
In the «Smoke T Calibration» screen, press both and keys simultaneously (schema 5).

The device will then reconfigure the smoke temperature sensor. Confirm with the button to return to the technical settings.



9. Preliminary checks before the first ignition of the device

9.1. Inspection of the ash grate

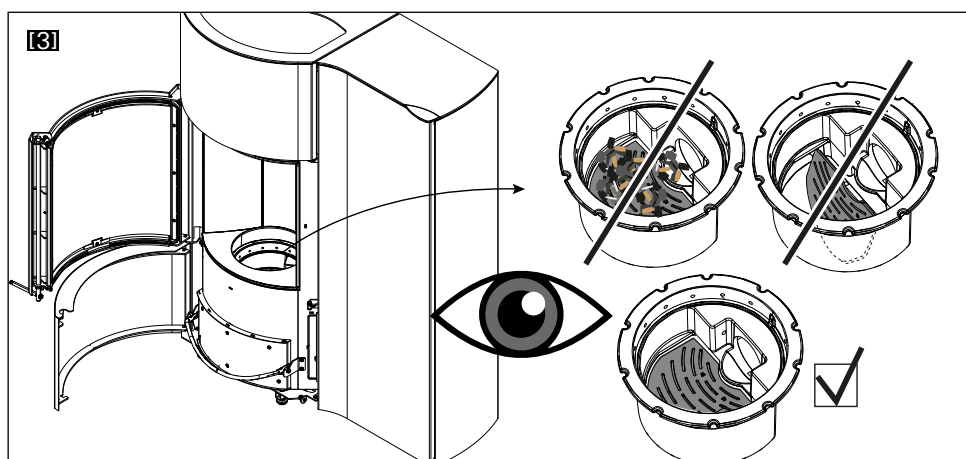


NOTE:

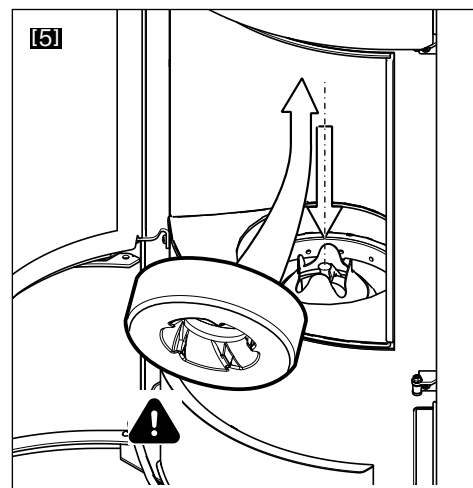
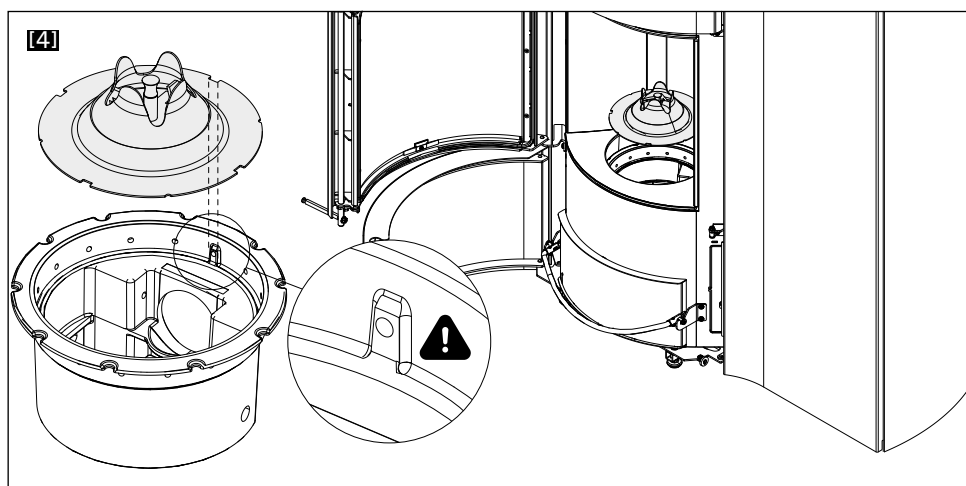
Each stove is tested in the factory. The presence of pellets in the screws is normal. It is important to perform a visual inspection of the grates before ignition.

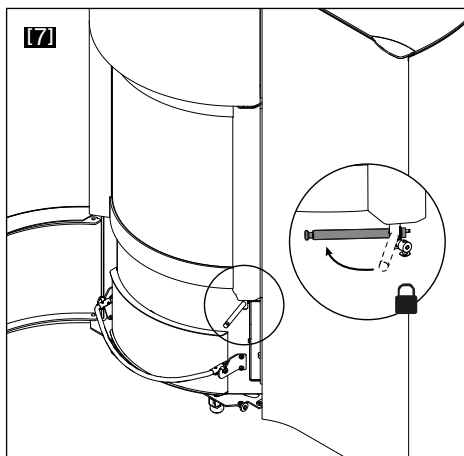
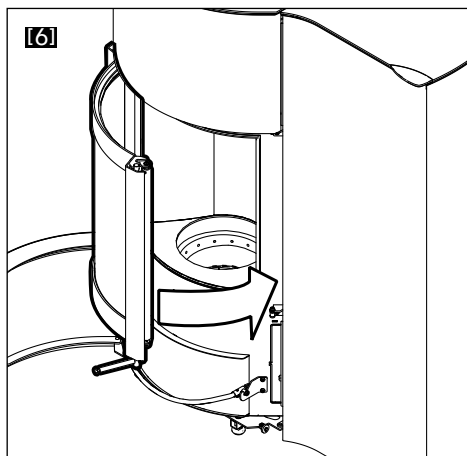
⚠ Pay attention to the orientation of the vermiculite ring and the fitting of the flame deflector [diagrams 2&3]!

Open the ash drawer access door and then the combustion chamber door [diagram 1].

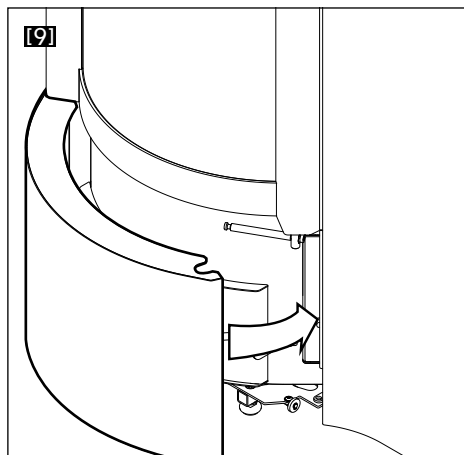
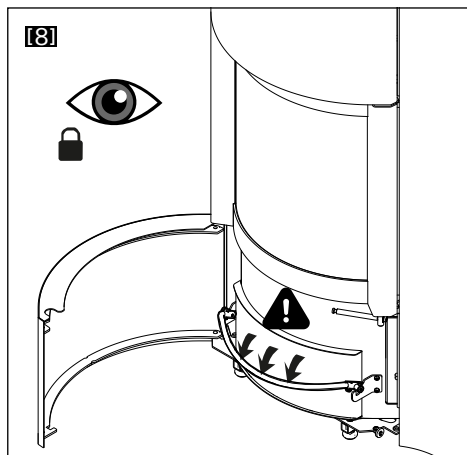


Remove the vermiculite ring [diagram 2]. Remove the flame deflector [diagram 3]. Check that the grate is level and clean [diagram 4]. Clean it if necessary.





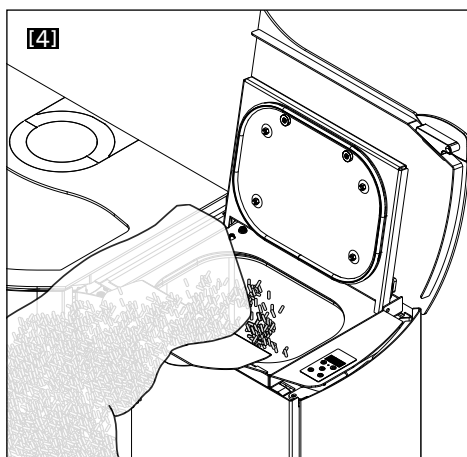
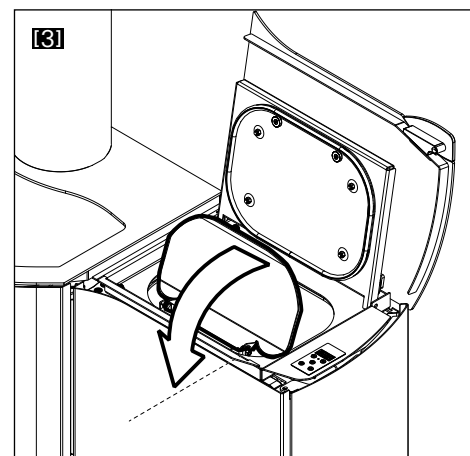
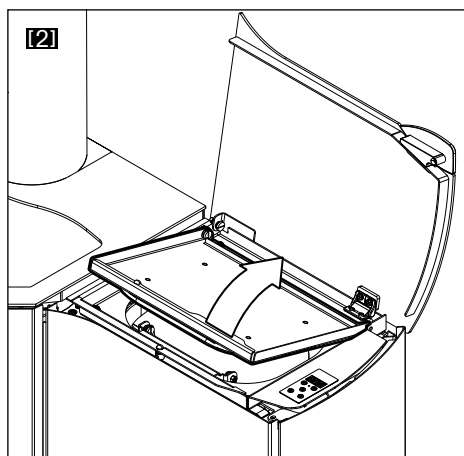
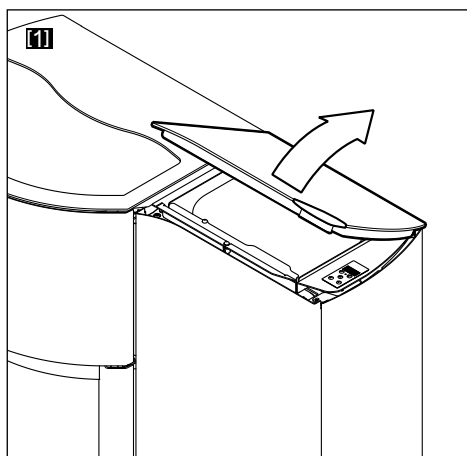
Reinstall the flame deflector and vermiculite in position. **Pay attention to the correct orientation!** [diagrams 5&6].



Check the proper closure of the combustion chamber and the ash pan [diagrams 7&8]. **Their perfect sealing ensures the proper functioning of the device!**

Close the access door to complete the operation [diagram 9].

9.2. Filling the pellet tank

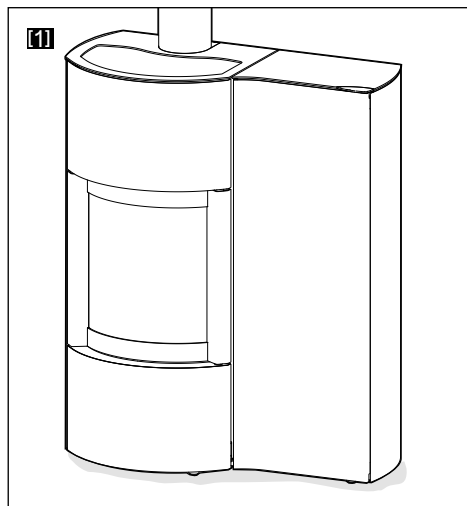


Open the access door to the loading hopper. Then pull the handle to lower the trap door into position (diagram 2).

Once the trap door is open, pour the pellets into the hopper (diagram 3).

Warning!
Before filling the tank, check that there are no foreign objects inside. Do not try to burn damp pellets. Do not pour dust or pellet pieces that are too small.

10. Refer to the user manual of the device



Your Stuv P20-B is now ready to use. **Refer to the user manual** for guidance on starting the device.

Once the device is turned on, we recommend letting the device run for a few minutes to check that it is functioning properly (no alarm signals, proper flame behavior, ...).

For more details on how the device works, please refer to the user manual provided in addition to this installation guide. If you have any questions or comments, do not hesitate to contact our customer service via email: info@stuv.com.

11. Maintenance

⚠ WARNING

Before performing maintenance, wait for the firebox to cool completely.

Clean with a dry cloth. For cleaning Stuv finish surfaces, use traditional non-abrasive household detergent.

Never use solvents (acetone, white spirit, ...). No trace of permanent marker can be removed!!! If needed, Stuv can provide you with a spray can of lacquer for touch-ups. To do this, contact your dealer.

Work acceptance

This document certifies the proper acceptance of the work. This form must be completed by the installer in 2 copies, 1 for the installer, 1 for the user.

THE PURCHASER

Name
 First name
 Work Adres
 Postal code
 E-mail Address
 City
 Country

THE INSTALLER

Compagny
 Phone number
 E-mail Address

YOUR STÛV P-20-B STOVE

Serial number
 Installation date

FLUE CHARACTERISTICS

Flue hight (m)
 Flue diameter (mm)
 Flue type

CHECKING THE DEVICE SETTINGS:

- ☐ Check of flue emptiness
☐ Validation of draft
☐ Check of pellet quality

COMMENTS:

.....

SAFETY INSTRUCTIONS

The use of this device must comply with the installer's recommendations and the manufacturer's instructions in the user manual given to the customer with the invoice and this acceptance report. The efficiency and longevity of the device will be directly related to the quality of the pellet used. In France, chimney sweeping is mandatory twice a year (mandatory certificate).

THE INSTALLER

(name in full and signature)

THE CUSTOMER

(name in full and signature)

- ☐ Instructions and advice for lighting, use and maintenance transmitted to the user.

Contact

Stûv stoves and insets are designed and manufactured in Belgium by:

Stûv S.A.

rue Jules Borbouse 4
B-5170 Bois-de-Villers
(Belgium)

info@stuv.com
www.stuv.com

Stûv reserves the right to make changes without prior notice. This manual has been prepared with the utmost care; however, we decline all responsibility for any errors that may have slipped in.

Responsible publisher:
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rue Jules Borbouse 4,
5170 Bois-de-Villers,
Belgium

[NL] [DE] [IT] [ES] [EN] [FR]

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please consult your distributor or www.stuv.com