

FOR PROFESSIONALS



installation instructions [en] Stûv 30-in

February 2014

The information contained in this document is valid for 30-in stoves from serial number : 146576

This Stûv stove has been designed to offer you maximum comfort and safety. It has been manufactured with the greatest of care.

If however you should find the slightest dissatisfaction with it, please contact your supplier.

We recommend that you read these instructions prior to installation.

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PRESENTATION OF THE PRODUCT

Standards, certification and technical characteristics

The Stûv 30-in stove (for intermittent operation) comply with the requirements of EN European Standards in terms of efficiency, gas emissions, safety etc....

Data provided in this notice are supplied by a certified laboratory.

Test results according to EN 13229: 2001 and 13229-A2: 2004 standards (built-in stoves)



Stûv sa
B-5170 Bois-de-Villers (Belgium)

14QA141322913
EN 13229: 2001 / A2: 2004

Wood insert **Stûv 30-in**

Minimum insulation thickness with regard to potentially combustible materials (conductibility of the insulating material used at 400°C=0.11 W / mk):

- behind: 0 cm
- on the sides: 1,5 cm
- below: 0 cm
- above: 0 cm

Recommended fuel: wood logs only

CO emissions*: 0,05%

Average smoke temperature at rated power*: 263°C

Nominal heat power *: 10 kW

Efficiency *: 81%

Particle emissions: 28 mg/Nm³

Please read the installation instructions and directions for use!

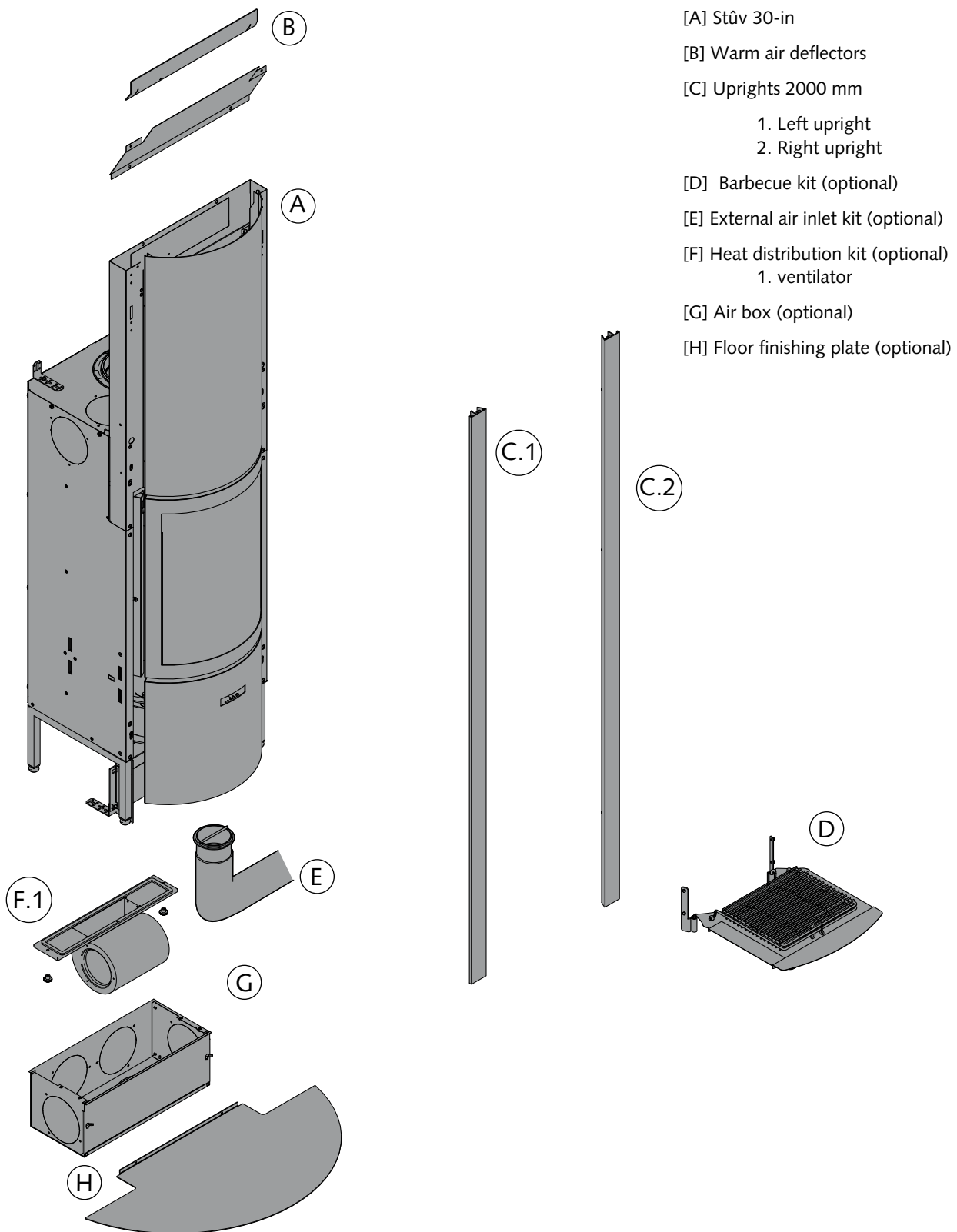
* values tested with glass door

Stûv 30-in are covered by the patent nr 1130323.

Other technical characteristics

Stöv 30-in			
Minimum diameter of the duct for the intake of outside combustion air (if the stove is not connected to outside air)		100 cm ²	
Maximum length of logs in vertical position		50 cm	
Maximum length of logs in horizontal position		33 cm	
System mass		200 kg	
Optimum output range for usage		6 – 12 kW	
Range of wood consumption per hour recommended (at 12% humidity)		1,7–3,3 kg	
Maximum limit for consumption of wood per hour (to avoid overheating the system)		5 kg/h	
	glass-door mode	closed-door mode	open-fire mode
Minimum draught needed to obtain the rated calorific output	12 Pa	12 Pa	6 Pa
Weight-flow ratio of smokes	8,1 g/s	8,2 g/s	30 g/s
Average smoke temperature at rated power	319°C	331°C	153°C

Overview- configuration B



[A] Stuv 30-in

[B] Warm air deflectors

[C] Uprights 2000 mm

1. Left upright

2. Right upright

[D] Barbecue kit (optional)

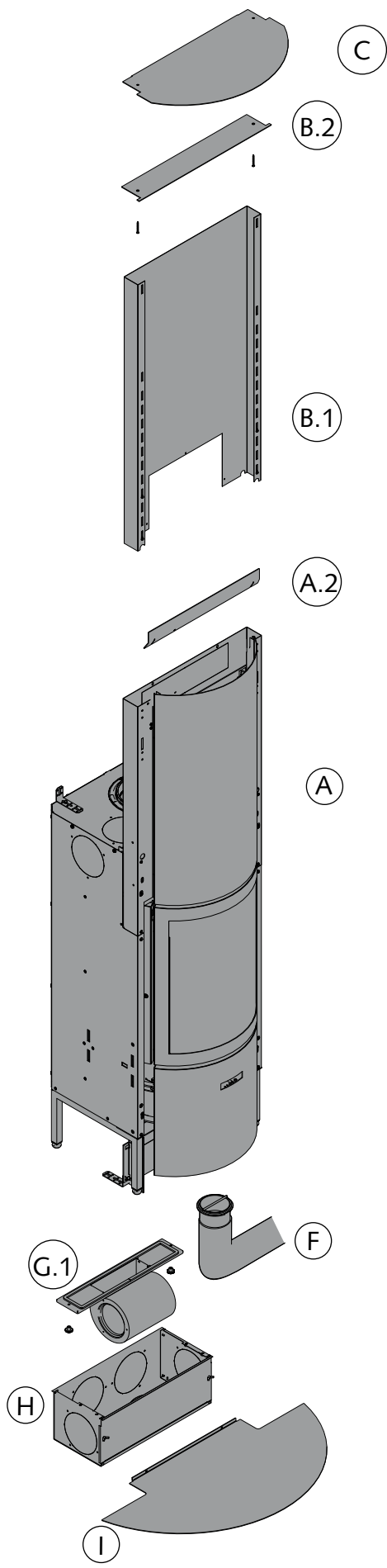
[E] External air inlet kit (optional)

[F] Heat distribution kit (optional)

1. ventilator

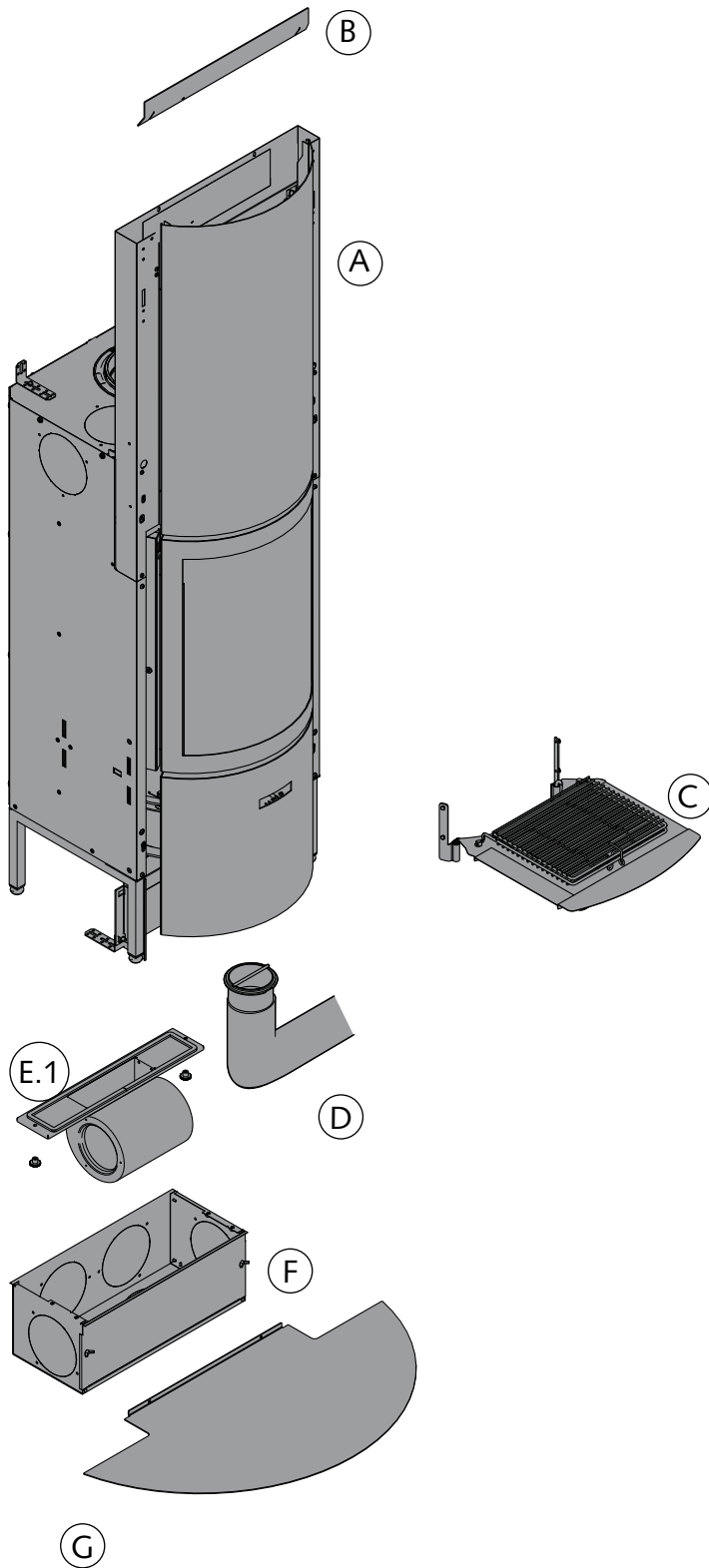
[G] Air box (optional)

[H] Floor finishing plate (optional)



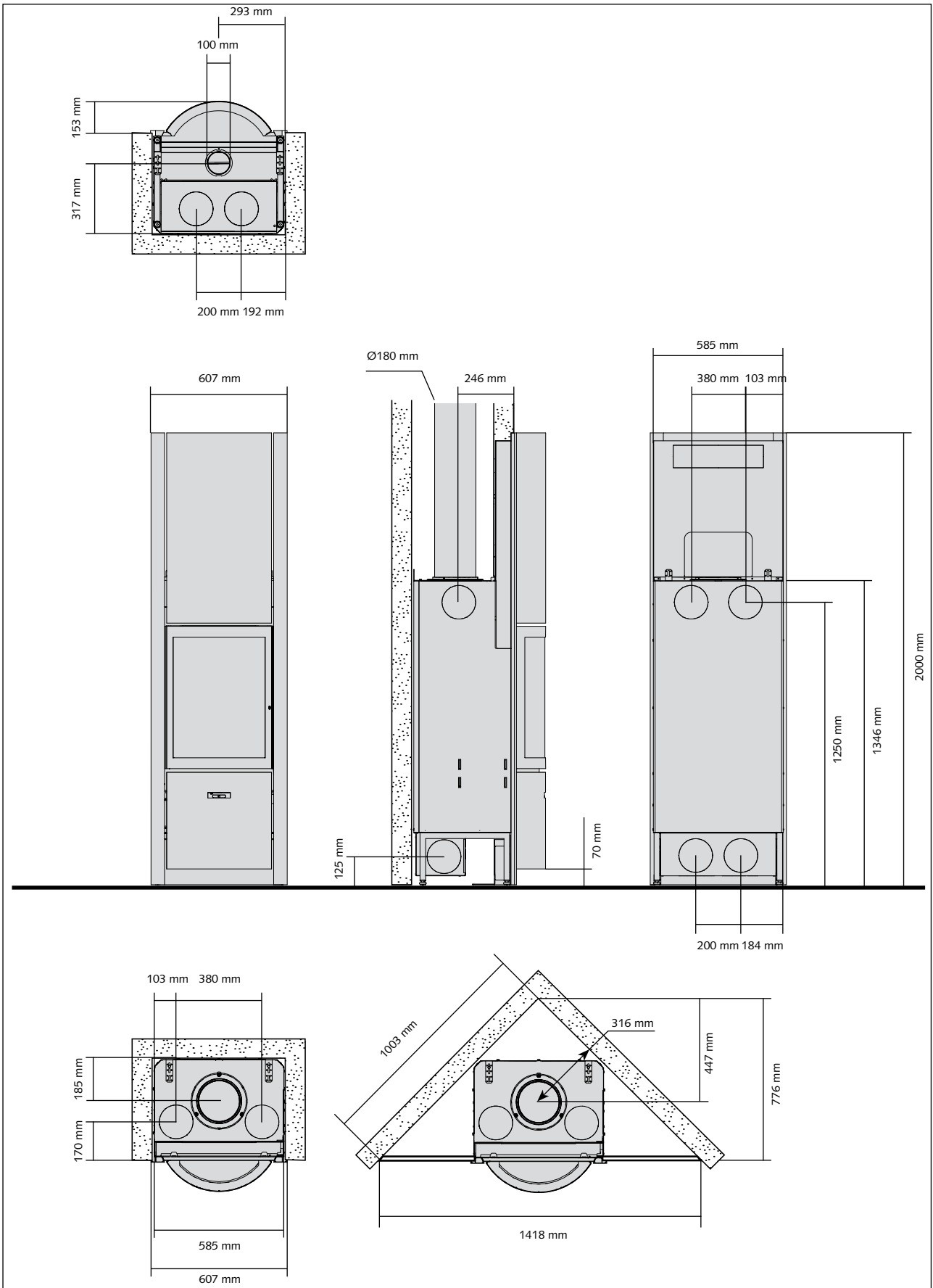
- [A] Stuv 30-in
 - 2. Warm air deflector
- [B] Height adjustment
 - 1. Telescopic height adjuster
 - 2. Small ceiling protector
- [C] Rounded ceiling protector (optional)
- [D] Uprights 2800 mm
 - 1. Left upright
 - 2. Right upright
- [E] Barbecue kit (option)
- [F] External air inlet kit (option)
- [G] Heat distribution kit (optional)
 - 1. ventilator
- [H] Air box (optional)
- [I] Floor finishing plate (optional)

Overview - configuration P

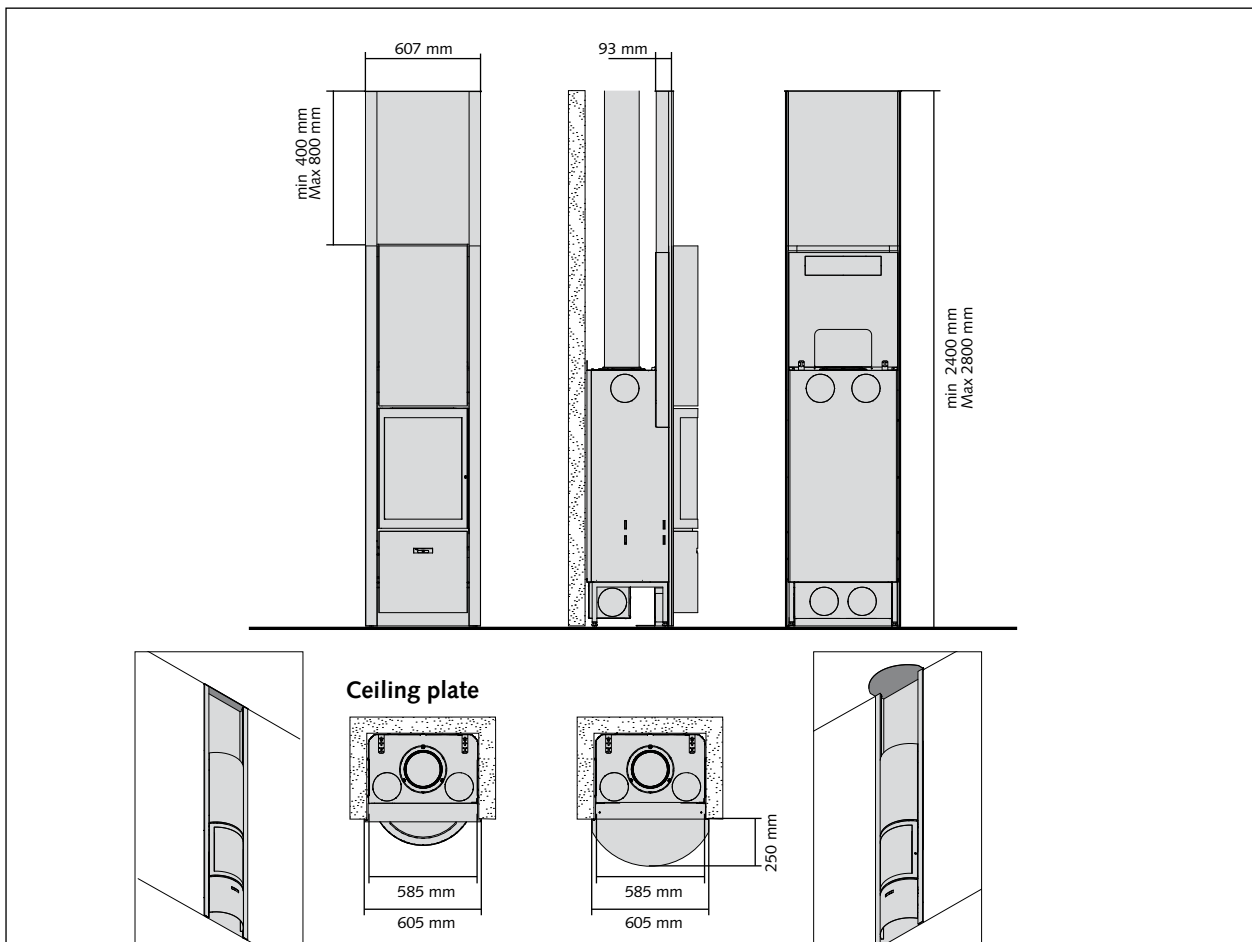


- [A] Stuv 30-in
- [B] Warm air deflector
- [C] Barbecue kit (optional)
- [D] External air inlet kit (optional)
- [E] Heat distribution kit (optional)
 - 1. ventilator
 - 2. front shutter
- [F] Air box (optional)
- [G] Floor finishing plate (optional)

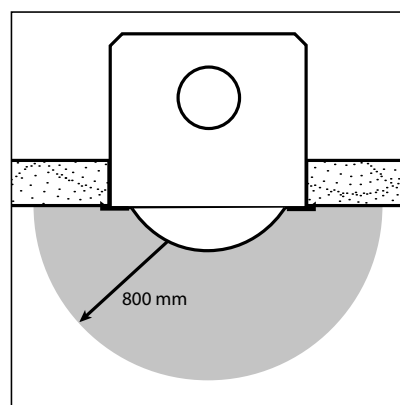
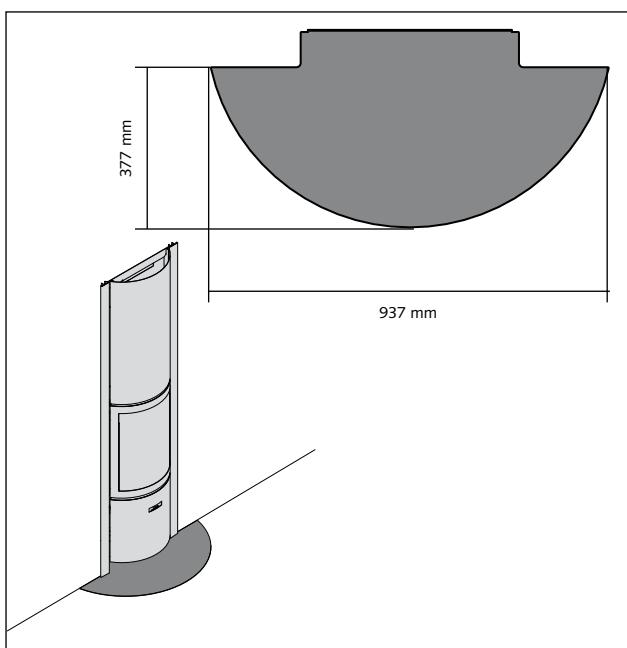
Configuration B "basic" with uprights fitted



Height adjustment option



Floor plate option



Radiated heat

Significant heat may be radiated through the glass door. Ensure any materials exposed to this radiated heat are resistant to high temperatures.

Recommendations

We strongly recommend you entrust the installation of this Stûv to a qualified professional who is able to ensure that the characteristics of the smoke flue correspond to the stove installed.

The installation of the stove, its accessories and surrounding materials must adhere to all regulations (local and national) and all standards (national and European).

Some national and local regulations require the installation of an access flap in the connection between the stove and the smoke flue.

The stove has to be installed in such a way as to facilitate access to sweep the stove, the connection duct and the smoke flue.

Any modification made to the system may be dangerous and will invalidate the guarantee.

The Clean Air Act 1993 and Smoke Control Areas

Under the Clean Air Act local authorities may declare the whole or part of the district of the authority to be a smoke control area. It is an offence to emit smoke from a chimney of a building, from a furnace or from any fixed boiler if located in a designated smoke control area. It is also an offence to acquire an "unauthorised fuel" for use within a smoke control area unless it is used in an "exempt" appliance ("exempted" from the controls which generally apply in the smoke control area).

The Secretary of State for Environment, Food and Rural Affairs has powers under the Act to authorise smokeless fuels or exempt appliances for use in smoke control areas in England. In Scotland and Wales this power rests with Ministers in the devolved administrations for those countries. Separate legislation, the Clean Air (Northern Ireland) Order 1981, applies in Northern Ireland. Therefore it is a requirement that fuels burnt or obtained for use in smoke control areas have been "authorised" in Regulations and that appliances used to burn solid fuel in those areas (other than "authorised" fuels) have been exempted by an Order made and signed by the Secretary of State or Minister in the devolved administrations.

Further information on the requirements of the Clean Air Act can be found here : <http://smokecontrol.defra.gov.uk/>

Your local authority is responsible for implementing the Clean Air Act 1993 including designation and supervision of smoke control areas and you can contact them for details of Clean Air Act requirements"

The Stûv 30C has been recommended as suitable for use in smoke control areas when burning wood.

- Refuelling on to a low fire bed

If there is insufficient burning material in the firebed to light a new fuel charge, excessive smoke emission can occur. Refuelling must be carried out onto a sufficient quantity of glowing embers and ash that the new fuel charge will ignite in a reasonable period. If there are too few embers in the fire bed, add suitable kindling to prevent excessive smoke

- Fuel overloading

The maximum amount of fuel specified in this manual should not be exceeded, overloading can cause excess smoke. Fuel level must not exceed the upper line of secondary air holes in the back of the combustion chamber [diagram 1].

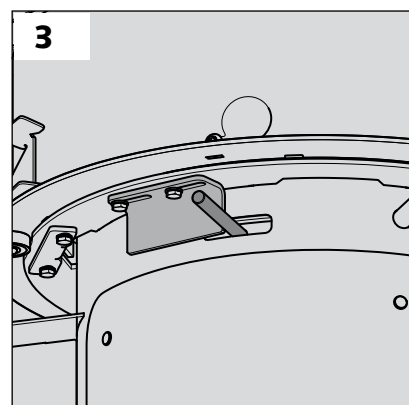
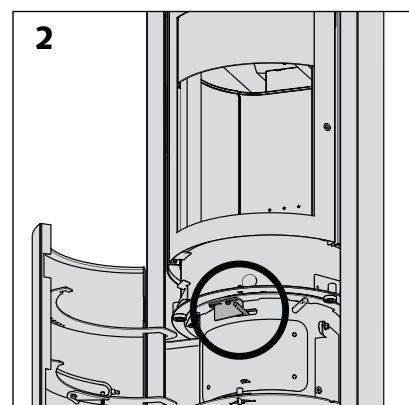
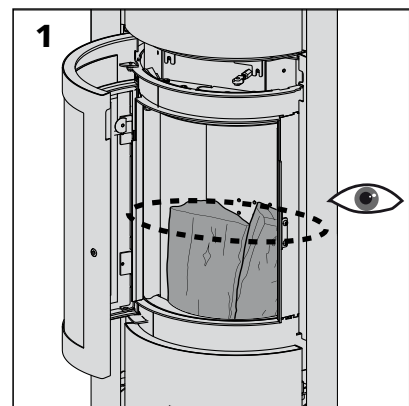
- Operation with door left open

Operation with the door open can cause excess smoke. The appliance must not be operated with the appliance door left open except as directed in the instructions.

- Dampers left open

Operation with the air controls or appliance dampers open can cause excess smoke. The appliance must not be operated with air controls, appliance dampers or door left open except as directed in the instructions.

- The air valve can not be turned down lower than the medium position. There is a physical stop to prevent closing air valve further. [diagrams 2 & 3]



PREPARATION OF THE AREA

Combustion air inlet

The stove requires air for combustion (particularly when working in open-fire mode).

The ideal solution

The Stûv 30-in is designed to be directly connected to an outside air inlet (independent of the air in the house). We recommend this set-up.

When connecting the flexible outside air inlet duct, leave a space of around 2 cm between the flange and flexible duct in order to tilt the whole unit and connect it to the stove [diagrams 5 outside air connection].

If the stove is not connected directly to an outside air inlet...

A sufficient air inlet (100 cm²) should ideally be created close to the stove.

This air inlet comes from a ventilated empty space, a ventilated room (cellar) or from outside [diagrams 1 & 2].

Certain local regulations make these measures obligatory. Local and/or national regulations take precedence over our recommendations..

The duct that brings in outside air... (whether it is connected to the stove or not)

... will be protected on the outside by a grill [diagram 2a-3a] the free passage section of which is at least equivalent to the section of the air inlet. Please note that the infiltration of water and the effect of the wind can damage the system.

... will ideally be fitted with a closure valve (for example, the Stûv valve [foto 4]) to prevent the room from becoming cold when the stove is not in use.

... will be as short as possible to prevent pressure loss and to prevent making the house cold.

If you use our standard flexible Ø 100 mm flue, we recommend a maximum length of 4 m and no more than 4 elbows (see table below). If you exceed these guidelines, you must

compensate with a greater diameter and/or a smoother duct.

Careful not to crush the flue.

Length of flue	max. permitted number of elbows
1 m	4 elbows
2 m	4 elbows
3 m	2 elbows
4 m	0 elbow

The external valve

[diagram 2/b and photo 3] prevents the house from becoming cold when the stove is not in use.

This device is optional if you choose a direct connection to the stove [diagram 1-2]. However, it is indispensable if the lengths of the ducts to the stove are too great or installation is carried out in an energy-efficient home.

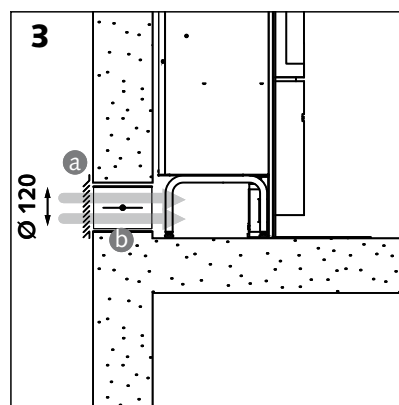
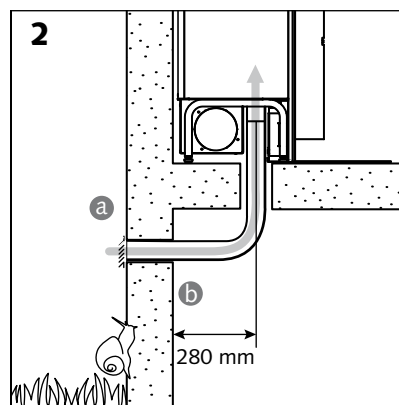
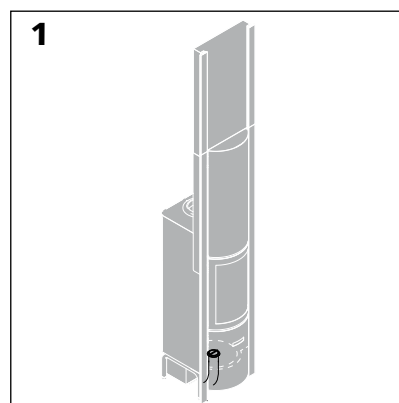
It should ideally be located as close as possible to the outside wall. It can be controlled from inside if it is not too far away from the stove (length of the flexible of the valve control = 1.2 m).

If it is not possible to bring in outside air near the stove (most unfavourable case)...

...ensure there is sufficient replenishment of air in the room when the stove is in use.

Please note

Be careful with air extraction systems (kitchen hoods, air conditioning, mechanically-controlled ventilation, other stoves) in operation in the same space or in an adjacent room. They also use lots of air and can cause a depression in the room and prevent the stove from operating correctly (risk of draughtback). They can affect the operation of the stove even if it is connected to an outside air inlet.



Ensure the flue's dimensions meet local regulations and the applicable installation standards in line with good practice.

Basic information

For good draught, the stove must be suited to the flue (or vice versa).

An oversized flue is as detrimental to the smooth operation of the stove as an undersized flue.

At www.stuv.eu > **questions – answers** you will find a simplified method to determine the specifications of the flue depending on the type of stove.

The flue should be as straight as possible and insulated to encourage the draught and prevent condensation.

The ideal solution is a flue built inside the building and thermally insulated. An outside flue without any insulation must be avoided.

The stove can only be connected to a smoke flue serving several systems on 4 conditions:

- all of the systems connected to this flue use the same fuel,
- all of the systems connected to this flue are fitted with an automatic closure device,
- the flue has been assessed for this type of usage (consult a professional if necessary),
- the Stûv 30-in has the option of an “automatic closure device”.

Take care to avoid heat loss!

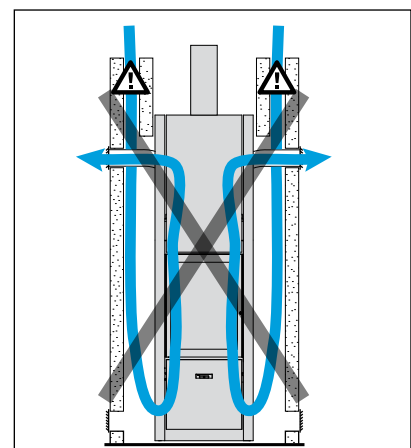
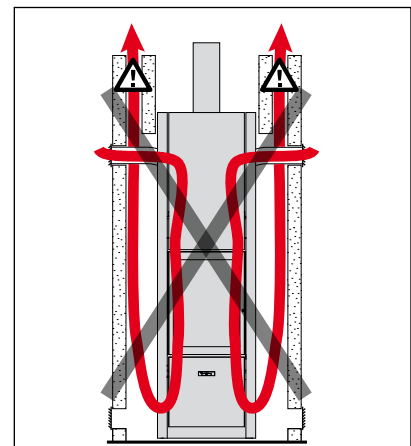
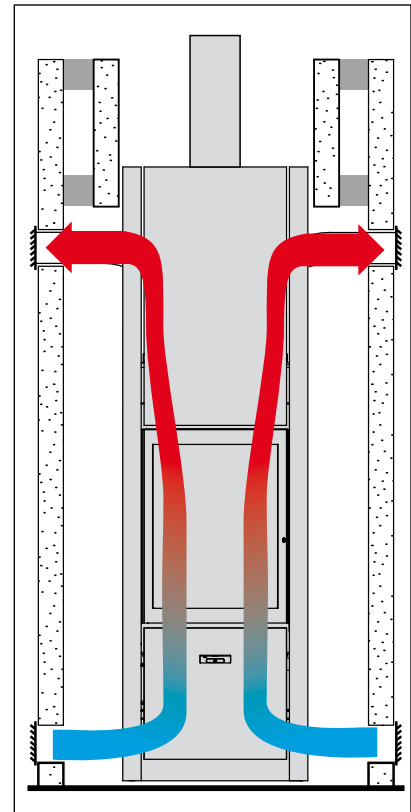
If several flues are available: only use one of them. Block up the unused flues at the top and bottom and, generally speaking, ensure that the top of the recess where the stove is fitted is air-tight [diagram 1].

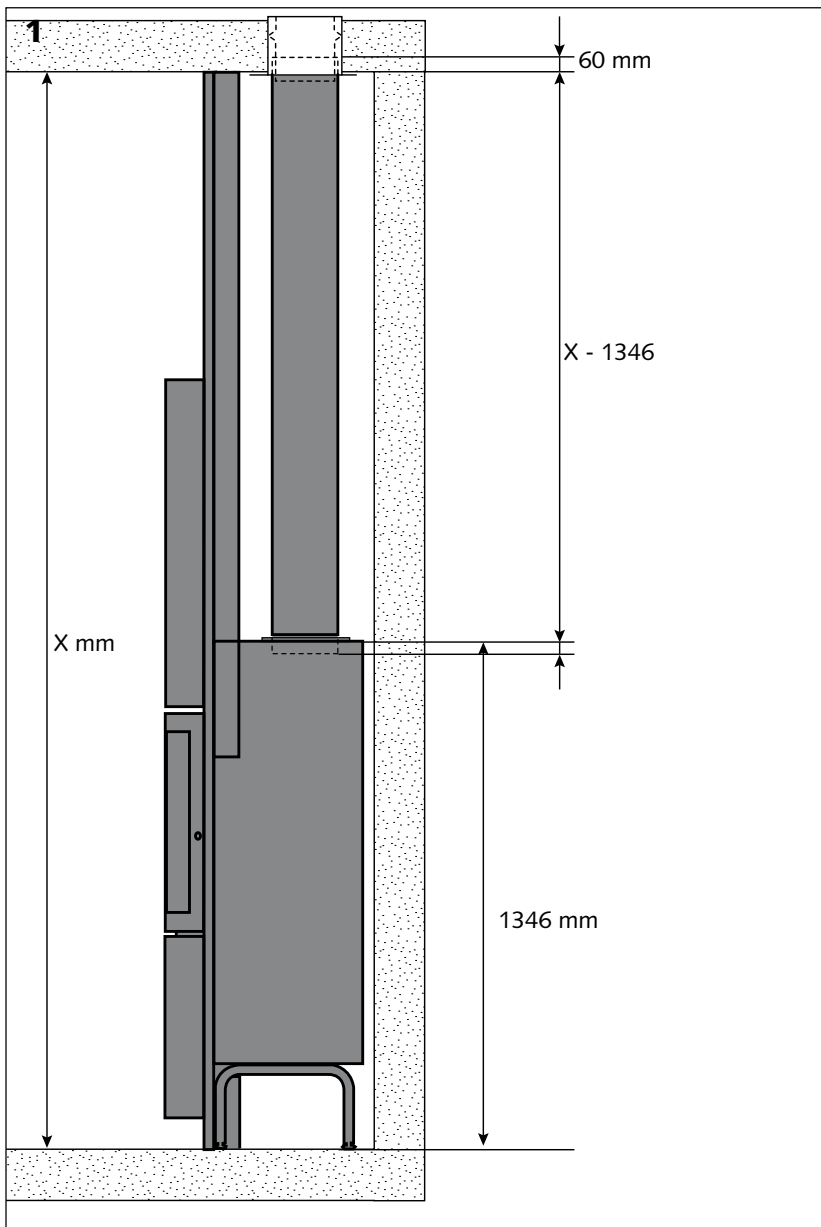
Unused flues or ventilated spaces between walls can generate undesirable counter-draughts (the hot air escapes) [diagram 2], or cause the entry of cold air from outside [diagram 3].

Standard specifications of the outlet

Diameter: Some flue configurations may require a different diameter than that provided as standard. Should this be the case, please consult your retailer.

Thickness: This has to be between 0.4 and 2 mm.





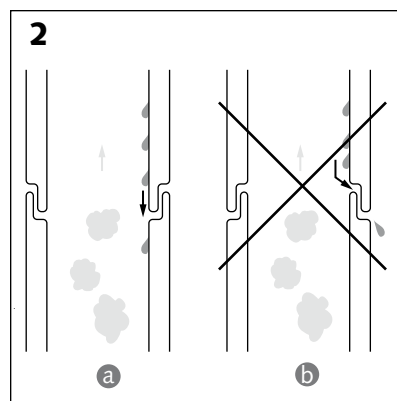
Allow play of 2 mm/m for expansion of the flue.

Calculation of the height of the duct

The height of the connection duct will be that of the distance from ground to ceiling minus 1346 mm (height of the system).

Add around 60 mm to that for the fitted part of the duct in the ceiling.

For the sinking of the duct at stove level, add 25 mm for a duct 2 mm in thickness and 35 mm for a 0.4 mm duct.



Air-tightness

The various components which make up the connection between the stove and the smoke flue and those which make up the flue itself have to be fitted so that they are airtight for the condensation [diagram 2/a] rather than the smoke [diagram 2/b].

Holding capacity of the structure

Ensure that the resistance of the floor is sufficiently strong to support the stove and the construction of the cladding. If in any doubt, please consult a specialist.

The stove's surroundings and decoration

The recess

Check the dimensions of the recess [diagrams 1 to 4].

The stove must be able to expand freely. The brickwork or decorative materials must not enter into contact with the stove under any circumstances; leave a gap of at least 5 mm.

This recess and/or the space around the stove must be ventilated to prevent "heat traps" [see below].

If necessary, insert insulating material of the thickness required between the stove and inflammable materials [see page 16].

Leave sufficient space around the fan (if you have chosen this option).

Widen the recess by around 3 cm if you connect flexible hot air outlet ducts.

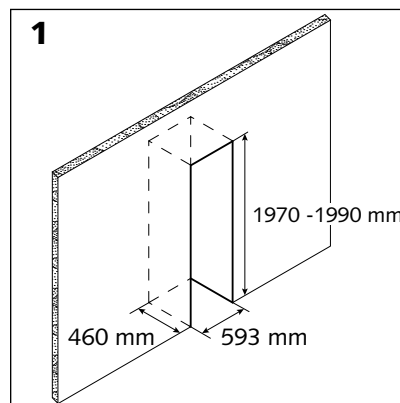
Radiated heat

Significant heat may be radiated through the glass door. Ensure the materials exposed to this radiated heat are resistant to high temperatures.

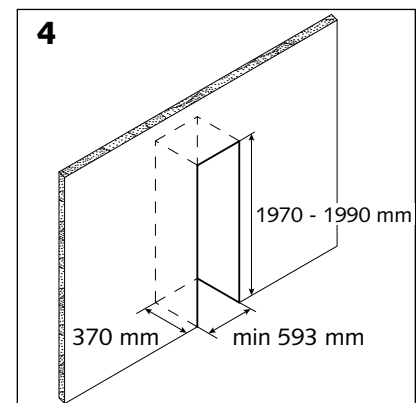
Prevent "heat traps" in the cladding, recess and hood

Any closed or contained space constitutes a heat trap which causes the walls to heat up. Circulation of air can be ensured by having an air inlet in the base of the cladding (hood or recess) and an outlet in the upper part.

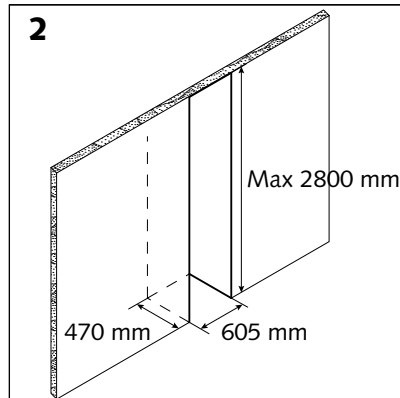
Recess for 30-in B



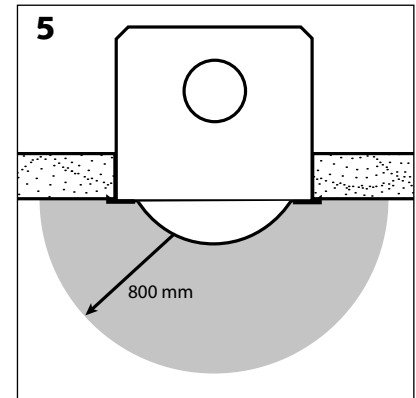
Recess for 30-in P with glass door



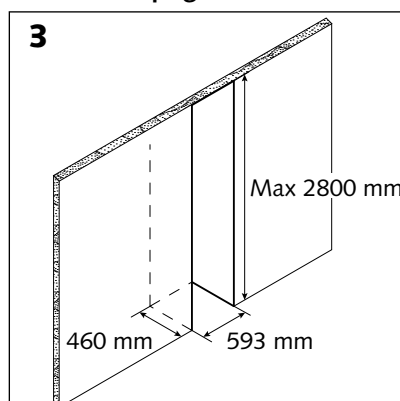
Recess for 30-in R with flush uprights



Radiated heat



Recess for 30-in R with fitted uprights



Safety

You must take the necessary precautions to avoid excessive heating of the surfaces of the recess and any construction elements adjoining the fireplace (e.g. wooden beams) and you must isolate these materials in a professional manner and in accordance with the norms and regulations in effect, according to their flammability.

If you insulate the recess, it is essential to cover the full height of it.

The dimensions given for the recess indicate the space required to fit the stove.

Add the thickness of the insulation if necessary (see diagrams 1 and 2).

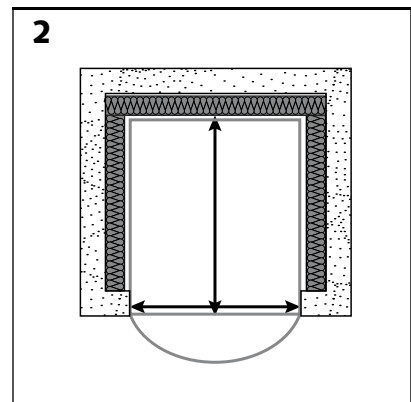
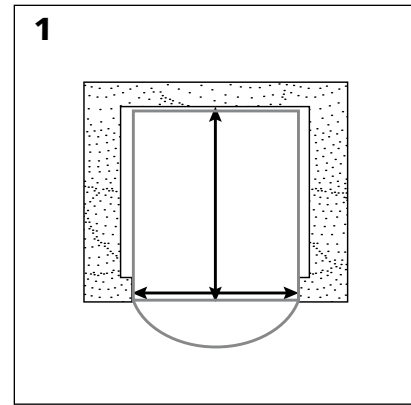
Improvement of performance

Thermal insulating materials can also be placed against the stove to improve its performance.

They are not designed to protect inflammable materials from excessive heating.

The advantage: reduction of heat loss: this applies in particular if the stove is against an external wall; if this is not the case, heat will not be lost: it will dissipate into the brickwork and then into adjacent rooms;

The disadvantage: a watertight recess has to be built and ducts installed for the convection circuit to prevent insulation particles from being suspended in the convection air or in the room where the stove is installed.



Natural or forced convection ?

Natural convection is sufficient in most cases [diagram 1].

This configuration obviously allows easier (no electrical connection) and less expensive installation and ensures completely silent operation.

However, a fan unit:

- enables the amount of air to be increased and for it to be distributed further: this is vital if you set up an air circuit with long lengths of ducting,
- allows the temperature to be made constant more quickly in the space to be heated,
- enables the air temperature to be reduced in the outlet vents (therefore preventing combustion of the ash and the depositing of ash on the surrounding plasterwork).

Air passage

Hot air is more voluminous than cool air. To facilitate the abstraction of hot air, more air outlets to the stove than inlets are required.

Whether or not you install an auxiliary fan system or ducts, it is mandatory to ensure a free air passage. In France, a minimum inlet of 400 cm² and a minimum outlet of 500 cm² must be provided for in the walls of the cladding. With configurations "R" and "P" (see section "various configurations"), the space required for both inlet and outlet is provided for in the stove in order to avoid the need for hot air outlets. An additional outlet is only mandatory in configuration "B".

Use the hot air outlets provided for in the stove, taking them into account for the size of the recess (see previous section).

Other regulations to be observed :

$$1 \geq \frac{\text{air inlet section}}{\text{air outlet section}} \geq 2/3$$

These air sections must correspond to the vents opened on the system.

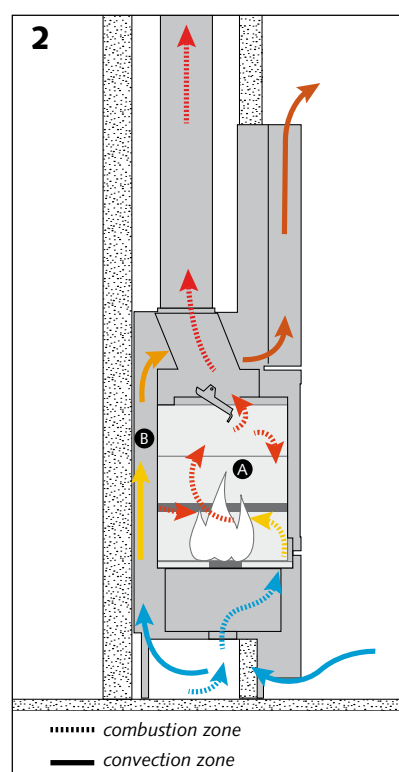
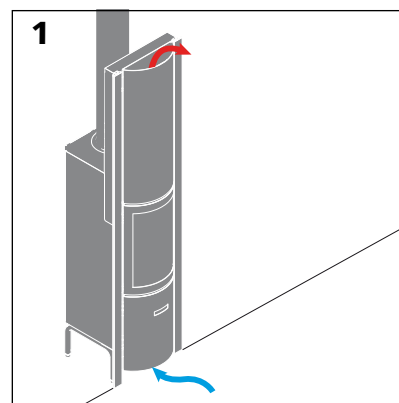
Examples in the table below.

Configuration of the ducts (option)

Whether you install a fan or not, the ducts must rise in a gradual gradient (min 2%) towards the outlet to prevent heat traps.

To ensure balanced air flow, the duct system has to be configured symmetrically (number of ducts, their height, the number of bends, their degree of insulation). This factor is even more important with natural convection than forced convection.

Please note: a fibrous insulating material inserted in the recess can give off volatile particles. In this case, thanks to the ducts, any contact between the convection air and these materials can be avoided.



In practice...

The ducts have a diameter of 150 mm.

The air inlets and outlets have to be set up so they cannot be obstructed.

If you install grills on the air inlets/outlets, ensure that the passage of useful air in these grills (surface of the openings) is at least equivalent to the section of the air inlets/outlets to prevent pressure loss.

The length of the shafts may not exceed 2m on entry and 2m on exit.

air inlet section	air outlet section	$\frac{\text{air inlet section}}{\text{air outlet section}}$		Air inlets and outlets on the system
400 cm ²	500 cm ²	$1 \geq 2/3$	OK	Air inlet through the plinth (front of the system)/outlet included in the stove for configurations P and R.
400 cm ²	500 cm ²	$1 \geq 2/3$	OK	Air inlet through the plinth (front of the system)/outlet included in the stove in configuration B + duct.
400 cm ²	640 cm ²	$1/2 < 2/3$		

Please note!

The ventilators sold by Stûv are only compatible with a warm air outlet through the front wall of the appliance. They are designed to circulate the ambient air.

If you wish to install a ventilator and warm air outlet ducts, it will be necessary to install a "vacuum" ventilator. This ventilator will be located in the warm air circuit between the stove exit and the exhaust grille [diagram 2]. This type of vacuum ventilator is not sold by Stûv.

2 ways of creating an air circuit:

- one can install ducts at the entrance to the stove in order to remove the ambient air far away from the stove [diagram 1] For this configuration, it is imperative to use a ventilator in a watertight housing.
- install the ducts in the stove's outlet to carry hot air further (max. 3 m) even to an adjacent room [diagram 2].

Attention ! In this type of circuit, it is imperative to place the ventilator after the warm air outlets. A ventilator placed underneath the stove will not enable a sufficient air supply. Furthermore, there will also be a risk of overheating at the base of the appliance [diagram 3]..

In tthe both cases, a circulation of air is created : The air reheated by the stove moves towards the areas from where the room air was drawn (depression zone), ensuring a constant temperature.

Whatever the air circuit planned around the stove, please note the local and national regulations in force for this kind of installation.

Air return

If you plan to have a room air inlet or outlet in another room (distribution across several rooms), do not forget to create air passages of sufficient section (at least the same) for the return : The air which has been drawn from or directed to a room must be able to return there.

The abstraction of air must be offset by a return to prevent depressions in the room where the stove is

The advantages and disadvantages of these 2 types of installation

Inlet ducts [diagram 1]	Outlet ducts [diagram 2]
+ excess pressure close to the system (encourages the drawing of air)	- depression near the stove that risks affecting the drawing of air
+ bends can be used in the ducts, reverse gradient,... (no air stagnation)	- geometry of the layout restricted : the ducts must always rise in a slight gradient without any obstructions in the route to prevent the hot air from stagnating.
+ no variation in room air temperature on its route which means it can be obtained from further away with better direction and greater temperature consistency in the room.	- significant drop in the air temperature along its route (maximum 3 m).
- difficult to implement if not planned in the architecture.	+ easier to implement if not planned for in the architecture or in the case of renovation

situated as this involves the risk of draughtback.

In practice...

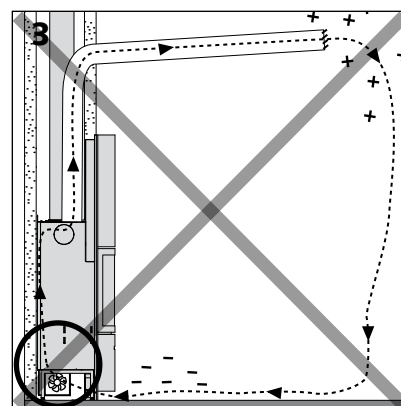
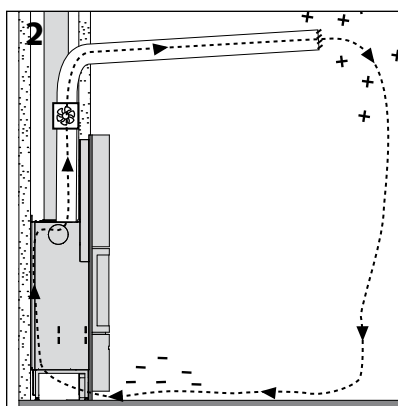
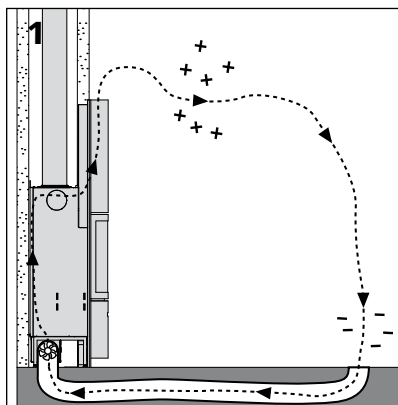
The use of ducts is mandatory to ensure the air which comes out of the stove does not go straight back into the fan (short circuit - the inside of the cladding).

Setting up the power supply (2 conductors + ground)w ; the connection has to be protected by a bipolar fuse.

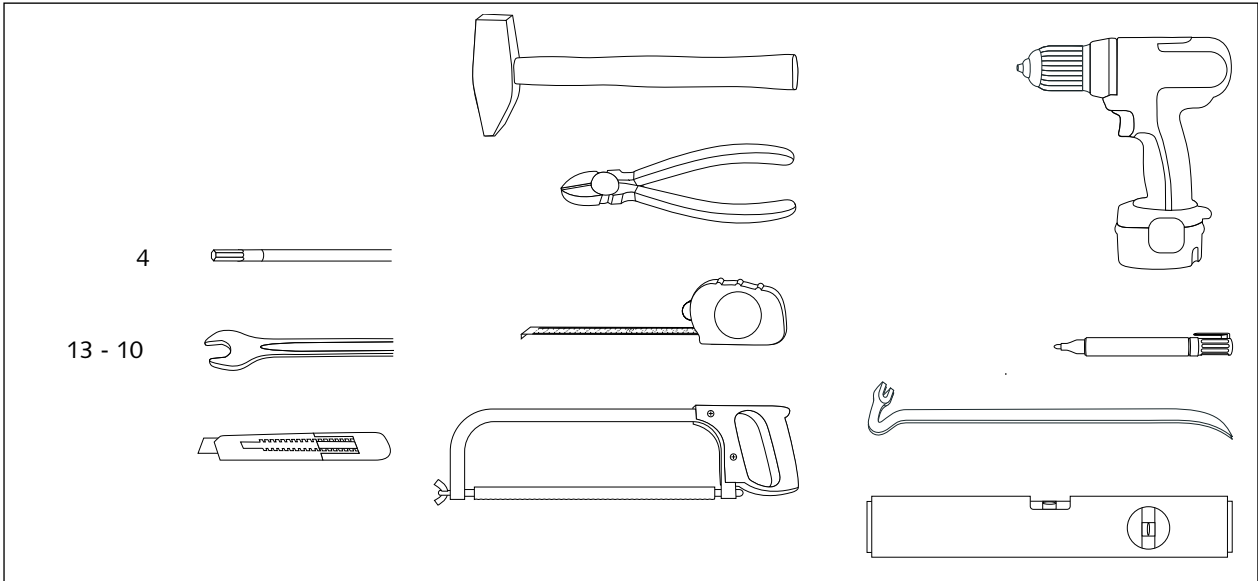
Please also see the notes in the previous section.

Please note

To prevent the fan from affecting combustion, do not put the combustion air inlet and the convection air inlet too close to one another.

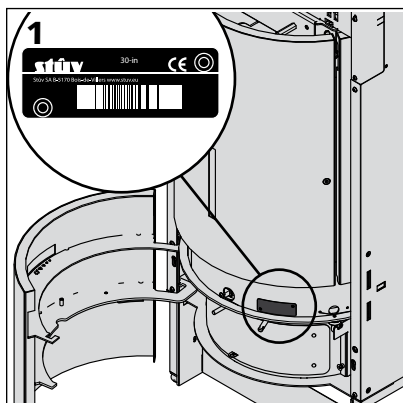


Tools



INSTALLATION

On taking delivery of the equipment



Please note!

When you take delivery of the stove, please check that the glass has not been broken during transport. The guarantee only covers damage caused during transport if mentioned on the delivery note.

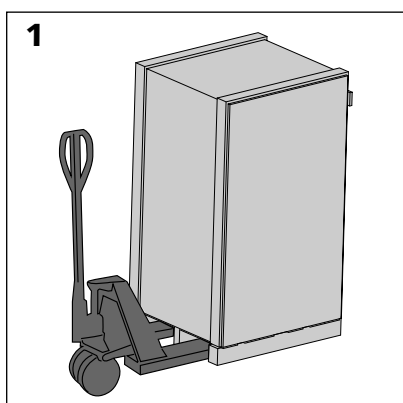
Accessories

If accessories have been ordered, they can be found around the stove or its packaging. Check receipt of these.

Complaints

If you wish to make a complaint, always quote the serial number visible on the stove in the closed-door position [diagram 1].

Transporting the stove

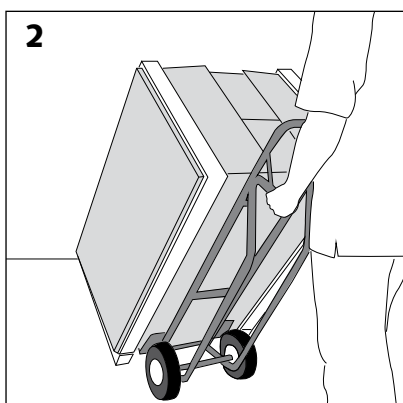


Please note!

The paint is not oven baked and is therefore relatively fragile but will harden after being heated a few times. Handle the system with care when installing.

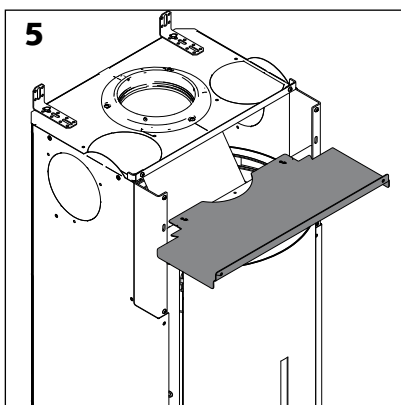
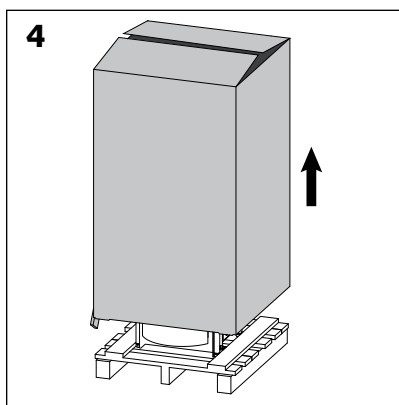
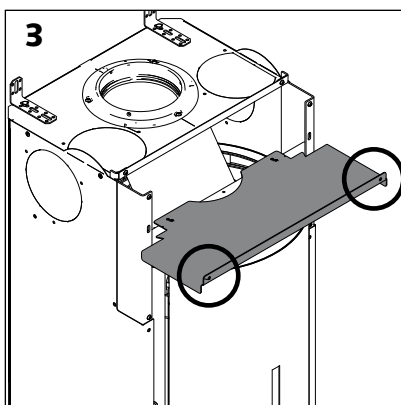
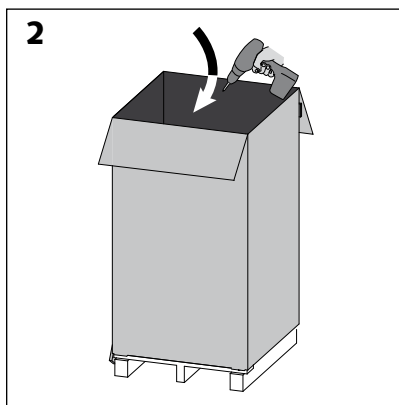
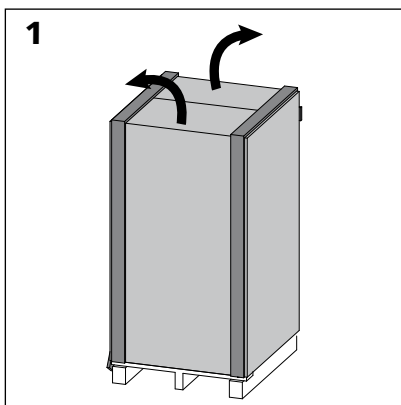
Moving

While the stove is still packaged, you can use a pallet loader [diagram 1] or a hand-lift truck [diagram 2]. If you use a hand-lift truck, ensure you position the stove on the side indicated (read the instructions printed on the packaging carefully). Move it close to its final position.



If you are unable to transport the stove on its pallet to its final position, please observe the following unpacking instructions.

Unpacking



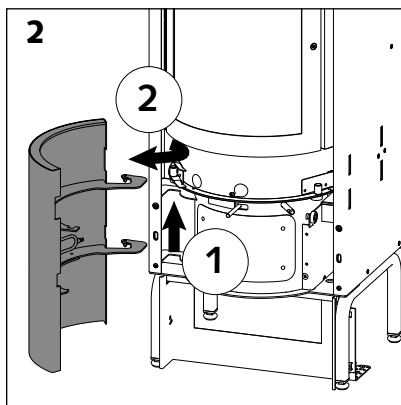
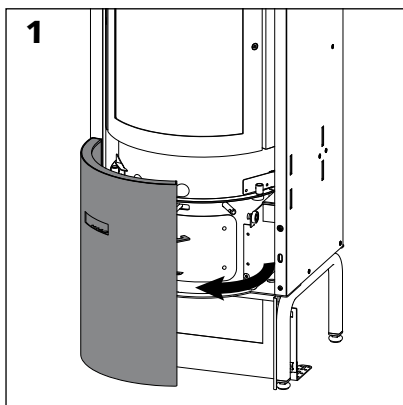
Open the packaging at the top [diagram 1].

Using a screw gun, remove the hand-lift truck support from the packaging [diagrams 2 & 3].

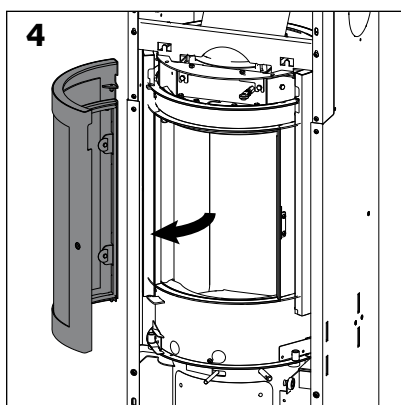
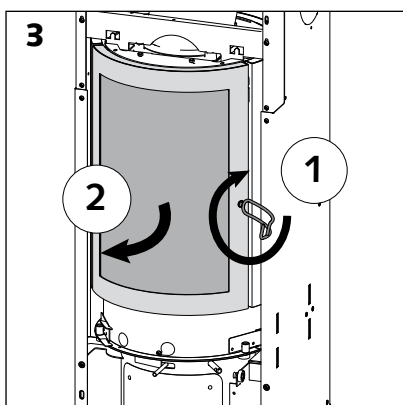
Remove the cardboard packaging [diagram 4] and the plastic films at the top and bottom of the stove which hold the mobile parts in place during transport

Note! The hand-lift truck protection [diagram 5] supports the stove during handling to avoid putting pressure on the doors or the drum. It is later removed when the stove is moved into its final position.

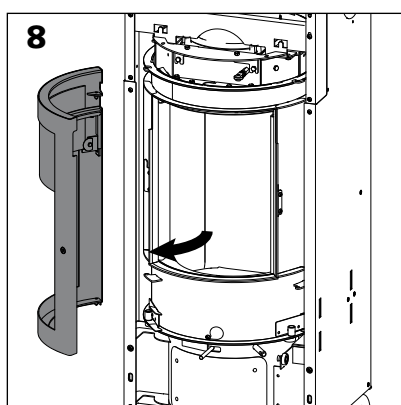
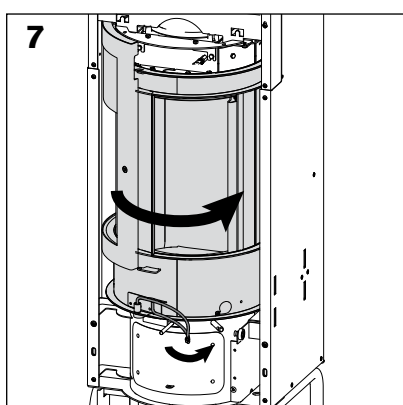
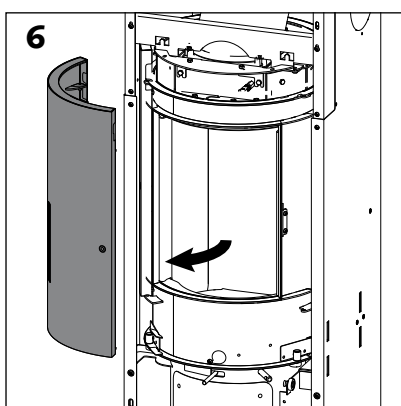
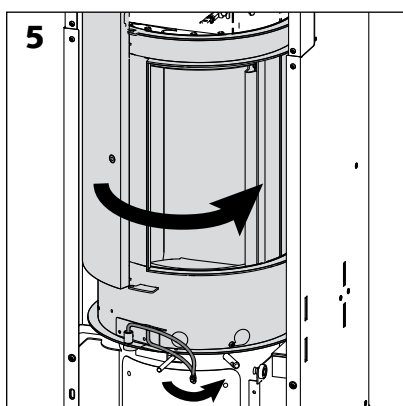
Removing the exterior parts of the stove

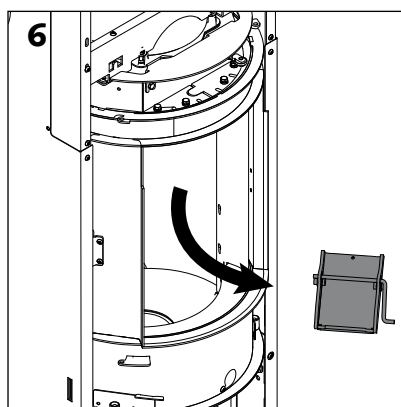
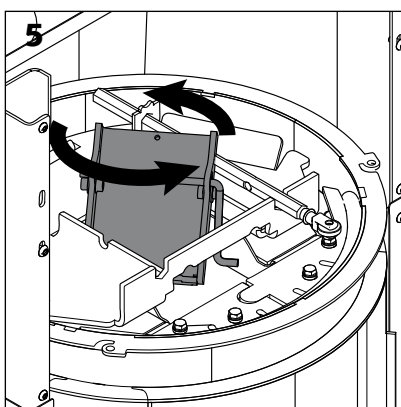
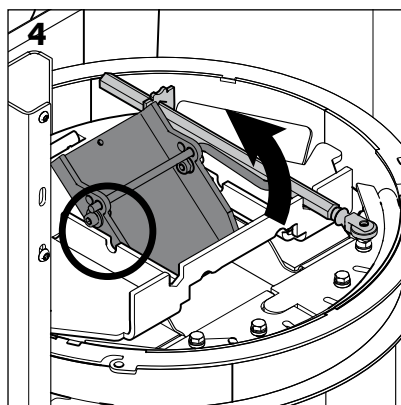
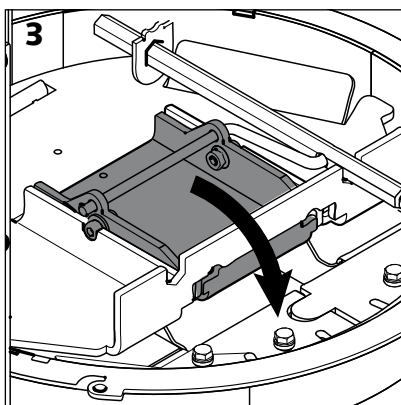
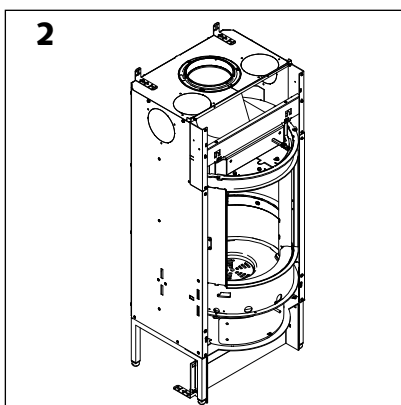
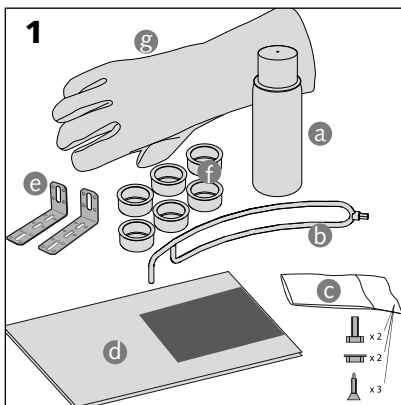


> **Remove the ash pan:**
open the ash pan door [diagram 1]
and take it out by lifting it off its
hinges [diagram 2].



> **Remove the doors:** Gently half-
open them, lift them to take them off
their hinges and then remove them
[diagrams 3 to 8]. Put them down
carefully to avoid scratching.





Checking the contents of the combustion chamber [diagram 1]

You will find:

- spray paint for touching up [diagram 1/a]
- cold grip to handle the door and the valve [diagram 1/b]
- 1 fitting kit [diagram 1c]
- Instructions [diagram 1d]
- fixing corner irons [diagram 1e]
- Anti-skid rubbers to fit under the feet of the hearth [diagram 1f].
- A heat-resistant glove [diagram 1g].

Note!

When you handle symmetrical parts while dismantling, remember to take note of which are the left parts and which are the right ones! It will make re-assembly easier.

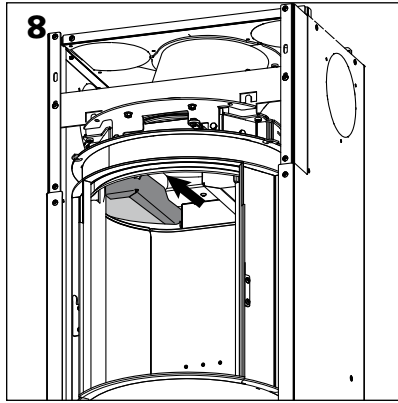
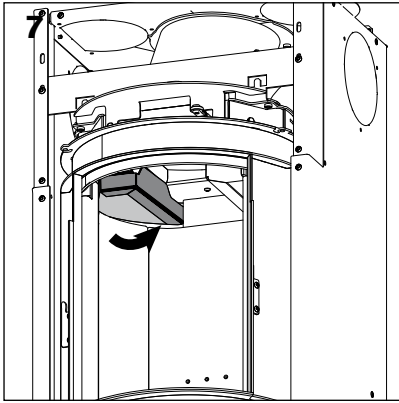
Removal of the following parts

> the smoke deflector:

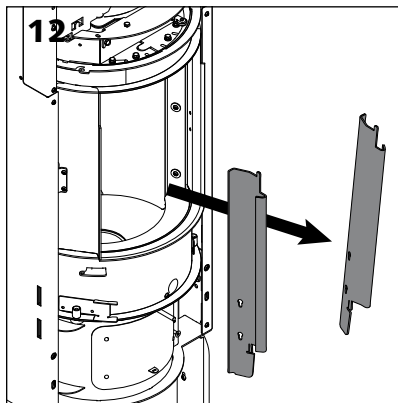
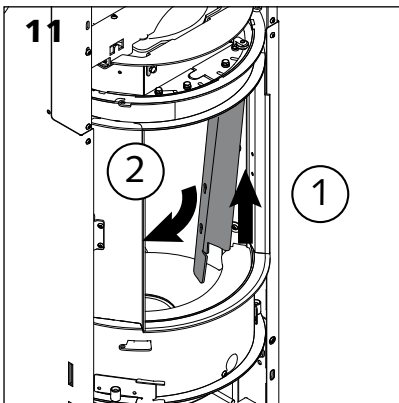
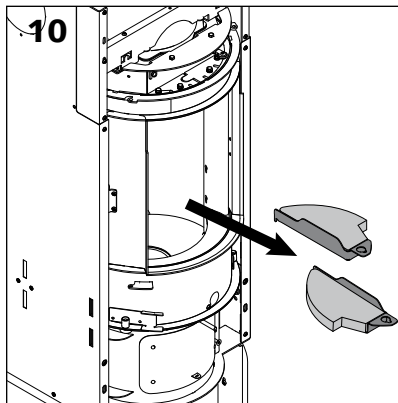
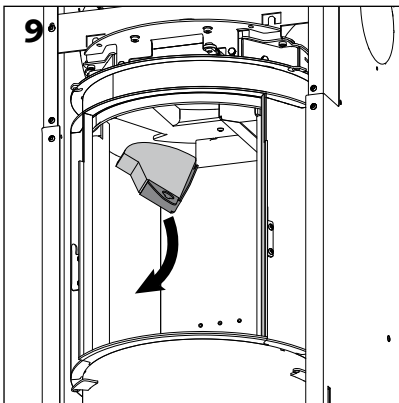
the smoke deflector has been locked down to prevent damage during transport.

Tilt and gently slide the smoke deflector towards the back [diagrams 3 and 4]. Turn it clockwise to release the deflector and its control [diagram 5]. Let the deflector drop down [diagram 6].

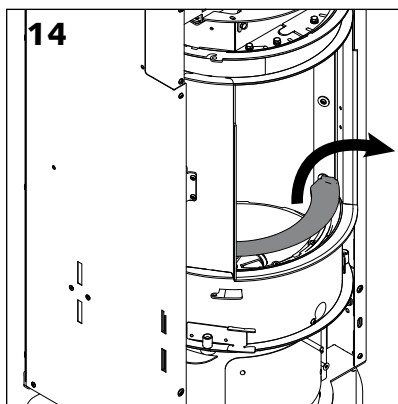
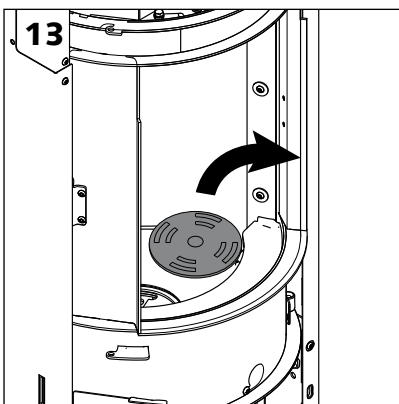
Unpacking the interior parts of the stove (continued)



> the 2 vermiculite deflectors: lift up the stainless steel support [diagram 7] and slide it forwards [diagram 8] then let the part drop to remove it [diagram 9].



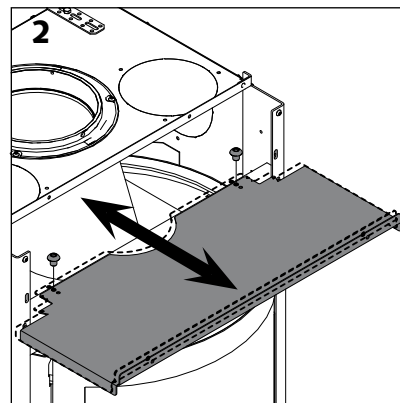
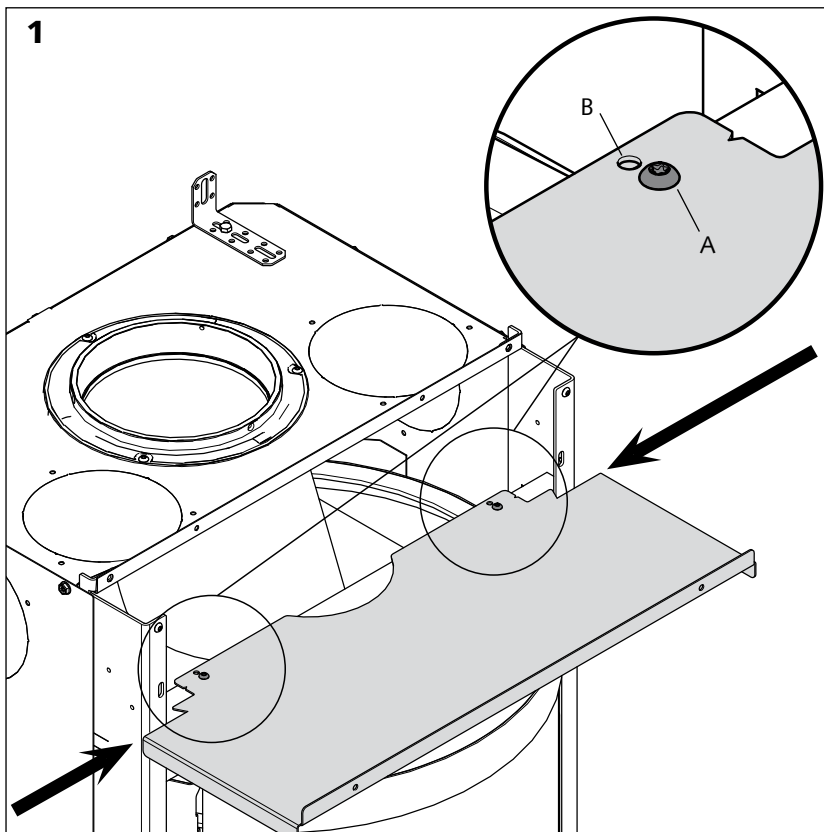
> the two side keys: lift them up and push back by applying pressure at the base [diagrams 11 and 12].



> the ash grille [diagram 13].

> the lower protection strut [diagram 14].

Placement of the devil support with the installation of the stove in mind



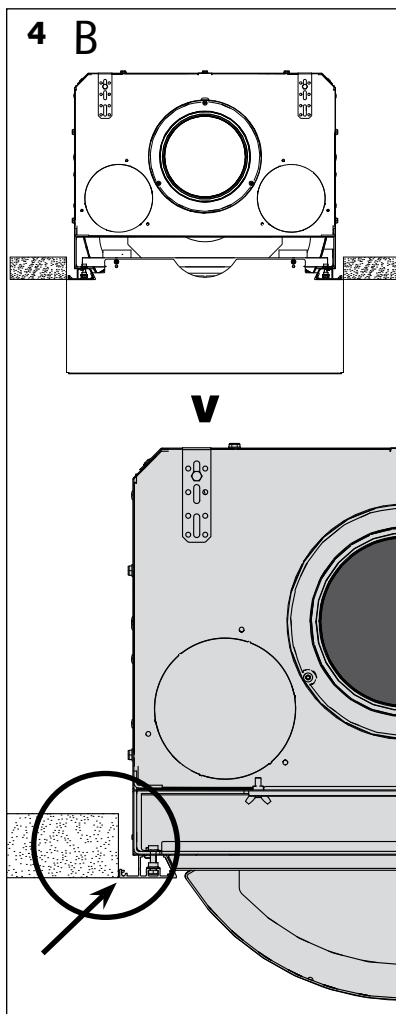
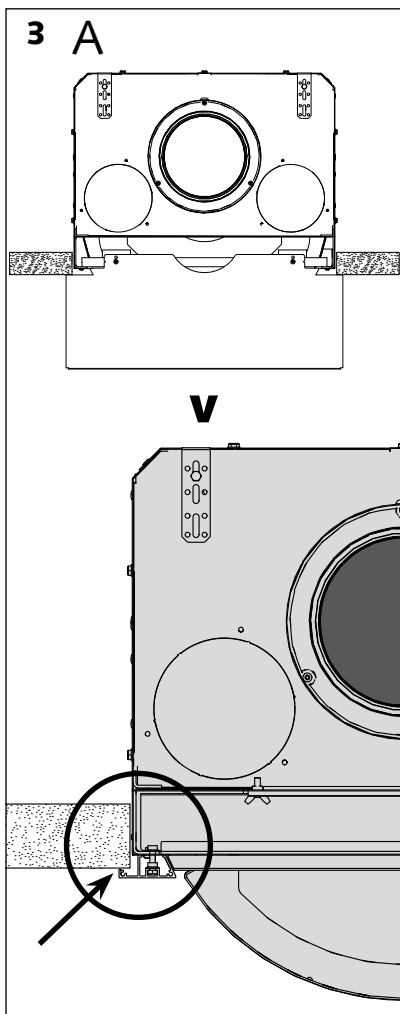
The devil support has two positions
You must choose between position A and position B depending on the type of installation.

Place the devil support in position A if you want to install the stove so that the uprights conceal the outline of the recess.

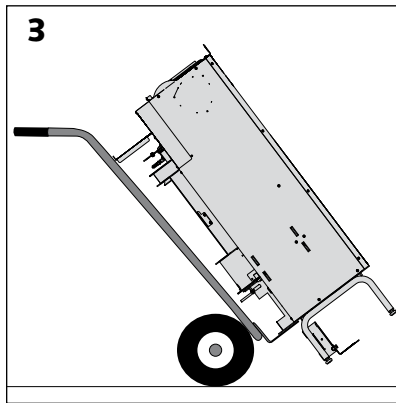
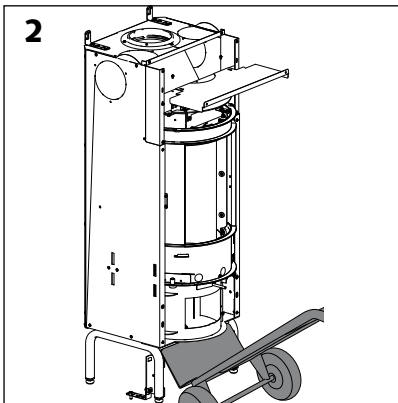
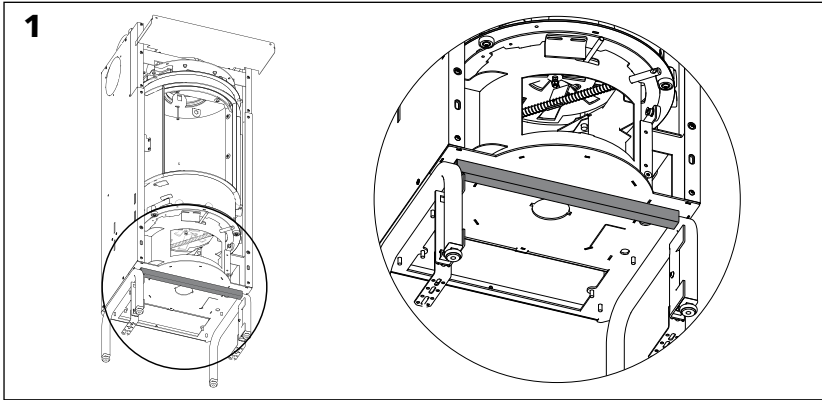
Place the devil support in position B if you want to install the stove so that the uprights are flush with the surface of the wall.

Attention !

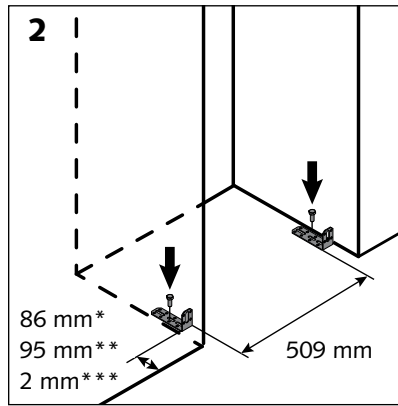
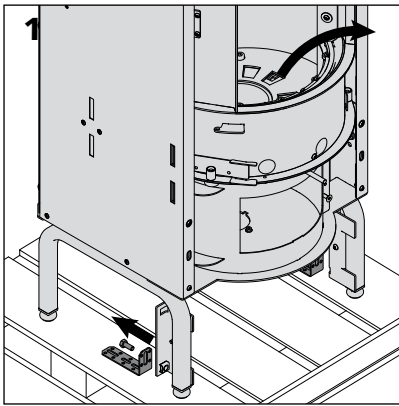
This installation demands that greater care be taken in finishing the recess..



Positioning of the hand-lift truck



Positioning of the stove



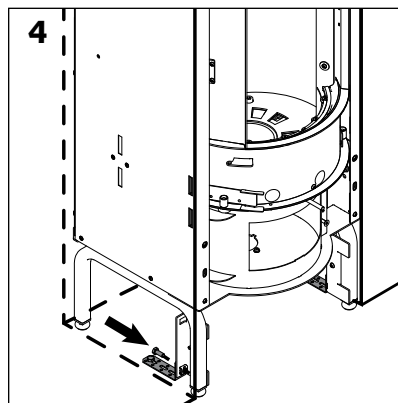
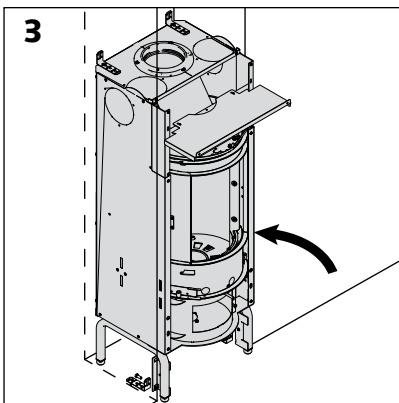
The recess

Check the dimensions of the recess [see section on stove's surroundings and decoration].

Position of the stove in relation to the wall.

Fixing of the stove

It is essential that it is fixed to the ground or back wall.



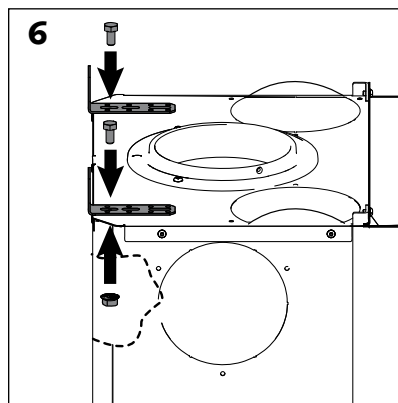
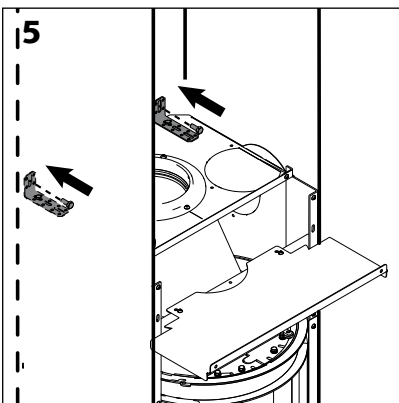
Remove the fixing corner irons from the palette [diagram 1]. These corner irons will be used later to attach the stove to the ground.

Screw (without tightening) the 2 corner irons to the ground [diagram 2].

* dimension valid during installation with uprights in place

** dimension valid during installation with flush uprights

*** dimension valid during installation in P-configuration with front window (see assembly instructions)

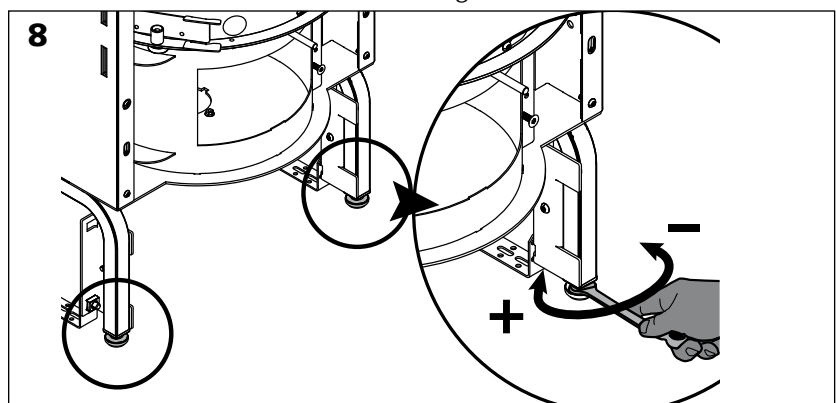
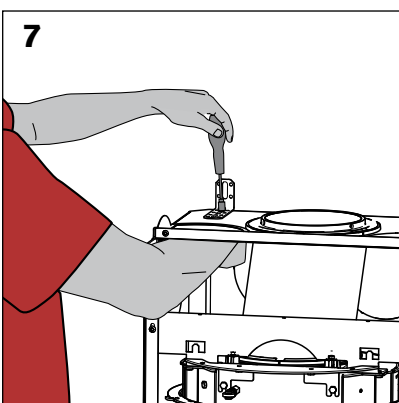


Position the stove; attach the 2 corner irons to the front feet of the stove [diagrams 3 and 4].

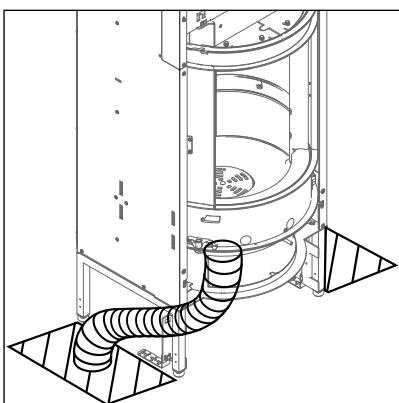
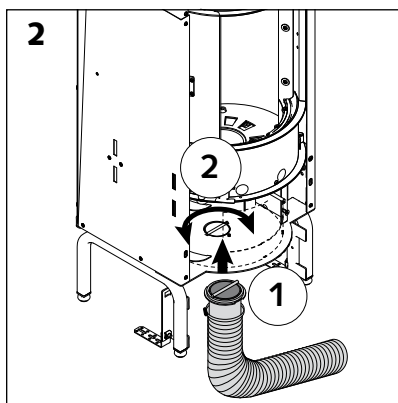
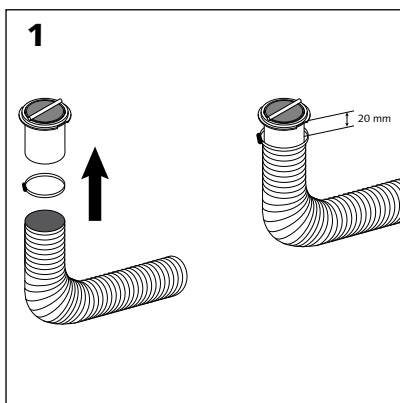
Attach the 2 corner irons to the back wall but do not tighten yet [diagrams 5 to 7].

Adjust the feet to bring the stove to the right level. Use the size 13 key [diagram 8].

Tighten the 4 corner irons.



Connection with outside air (option)



If you are not connecting your stove to the outside air, go to the next section.

Attach the duct with its tightening ring to the air inlet duct.

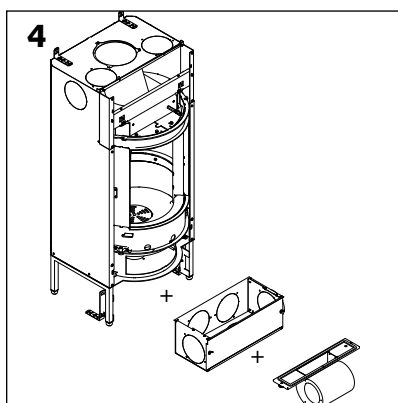
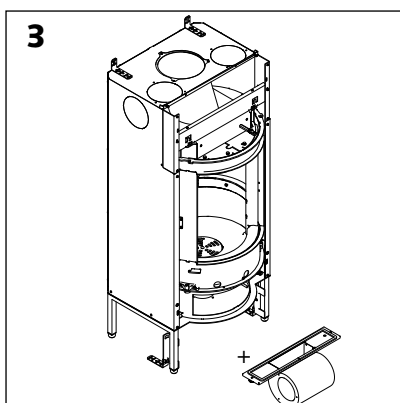
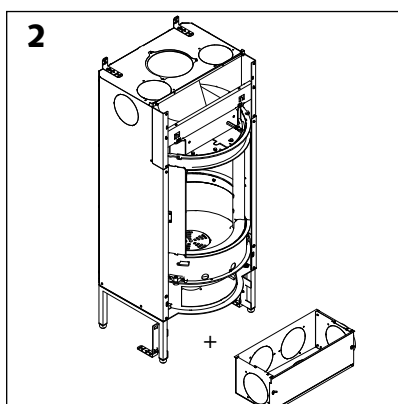
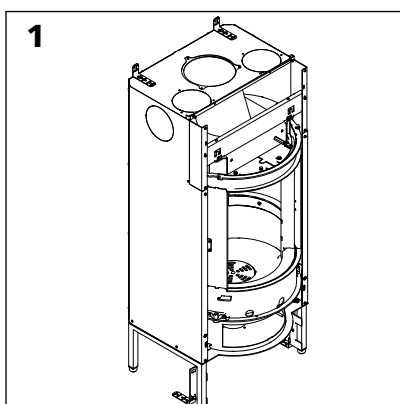
Leave 20 mm of play [diagram 1].

Insert the whole unit from underneath the stove. Attach the connection by tilting the system by several mm [diagram 2].

Attention !

If you install the exterior air inlet with an airbox or ventilator, the air inlet must be on the side of the appliance. Ensure that there remains easy access to the ventilator and/or airbox.

Convection



Natural convection :

- just stove [diagram 1]
- stove + air case [diagram 2]

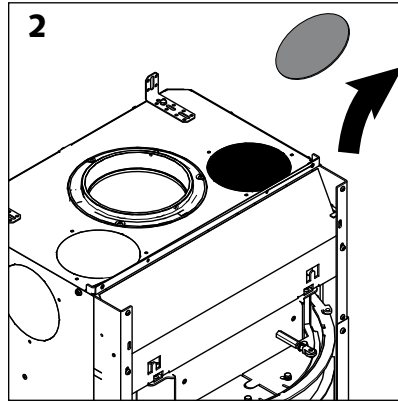
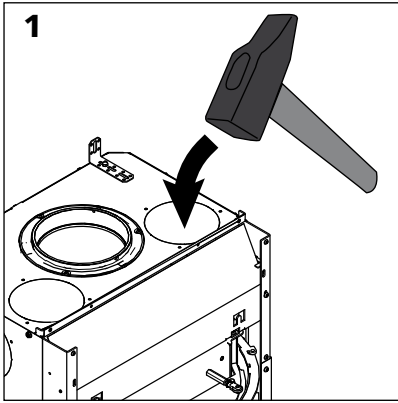
Forced convection (with fan) :

Forced convection is recommended if the ceiling is over 2.40 m.

- stove + fan [diagram 3]
- stove + fan + air case [diagram 4]

Please note :

- All types of convection cause air to circulate and therefore also dust. Use washable coatings close to hot air outlets.
- In configuration "B", 2 hot air outlet ducts with a diameter of 150 mm are recommended. If national regulations permit, use non-combustible materials for the ceiling.

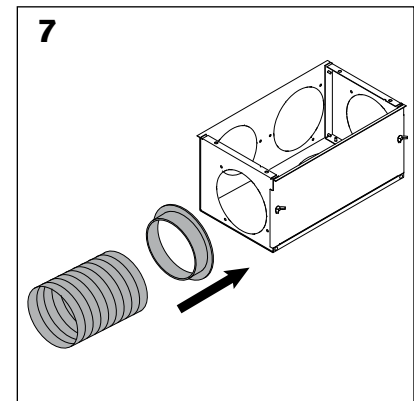
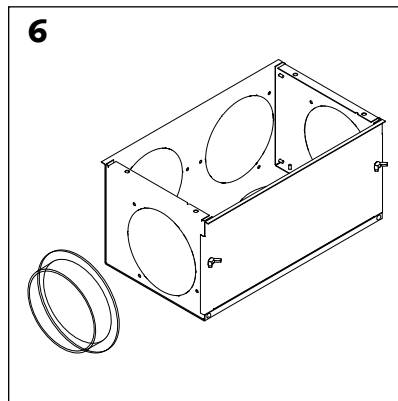
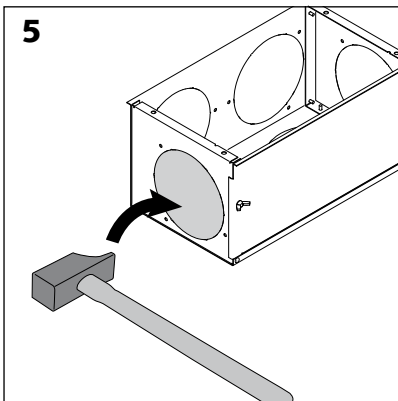
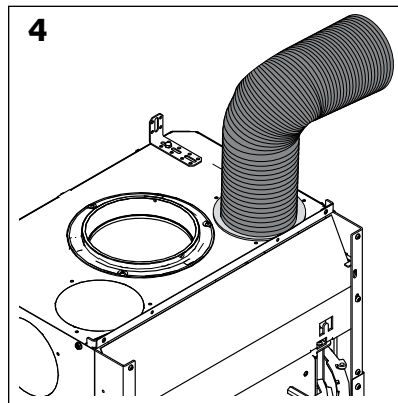
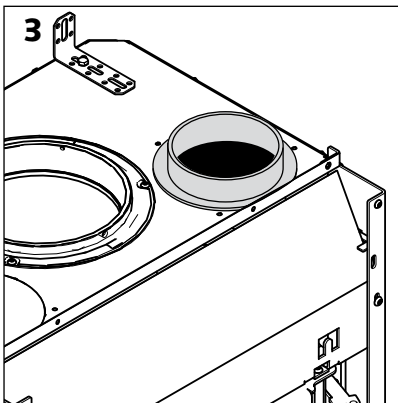


Installation of directed convection:
Remove the hot air outlet(s). Do not drop the cappings inside the walls [diagrams 1 & 2].

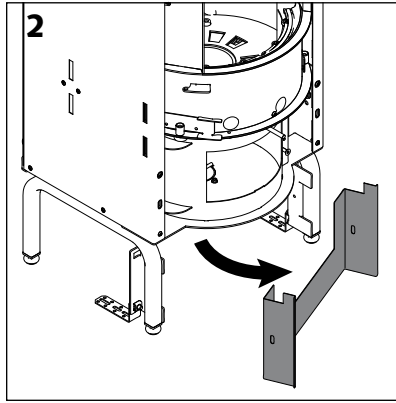
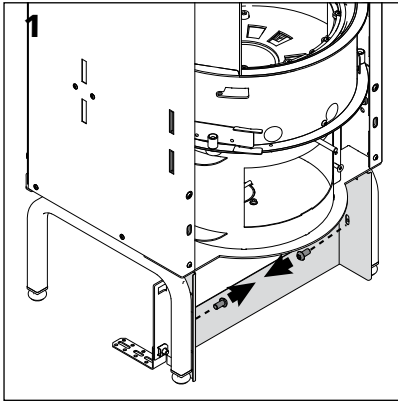
Install the various hot air outlets [diagrams 3 & 4].

For the inlets:

Remove the cappings and attach them to the air case [diagrams 5 to 7].



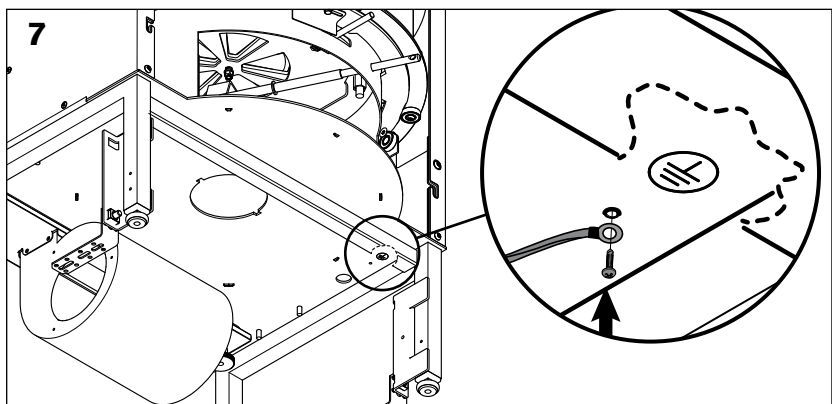
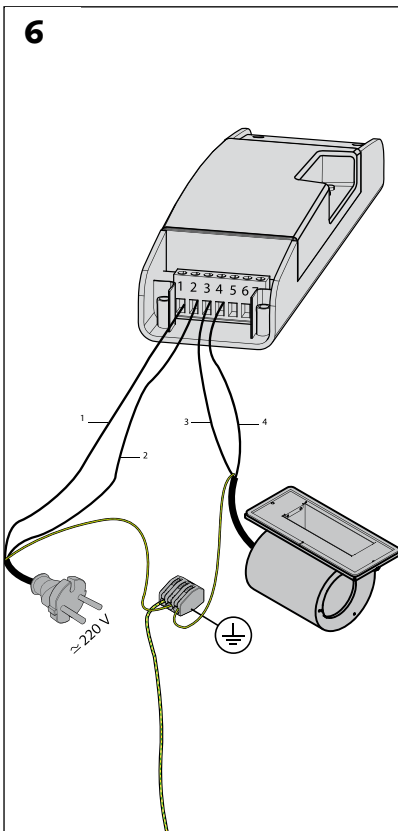
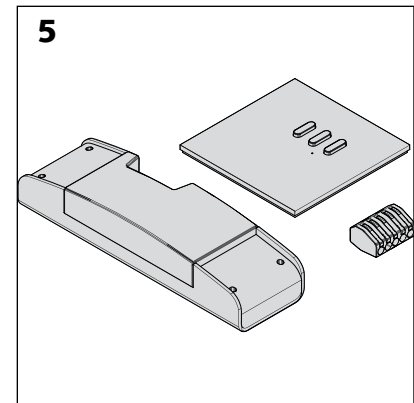
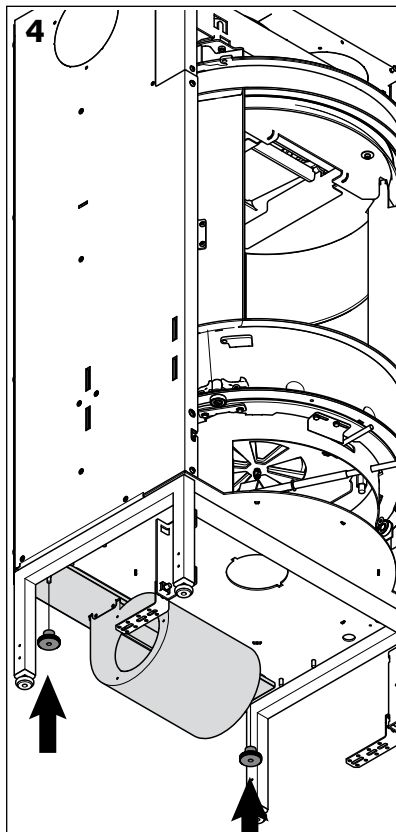
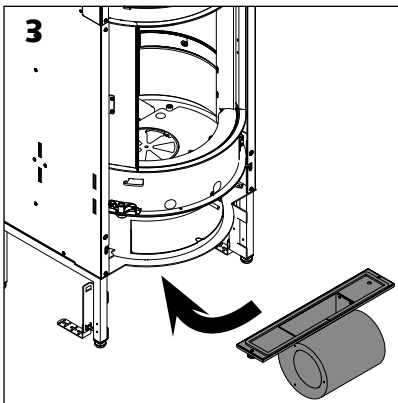
Auxiliary ventilation



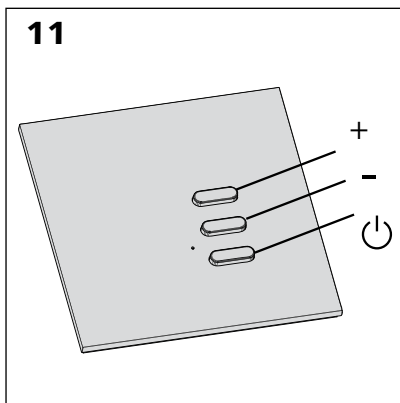
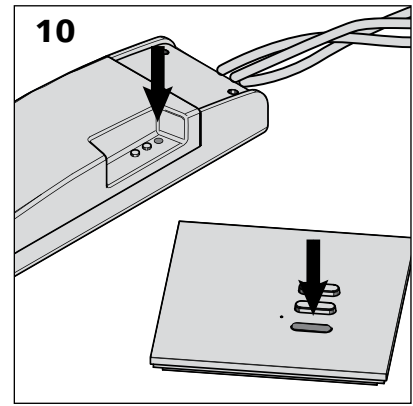
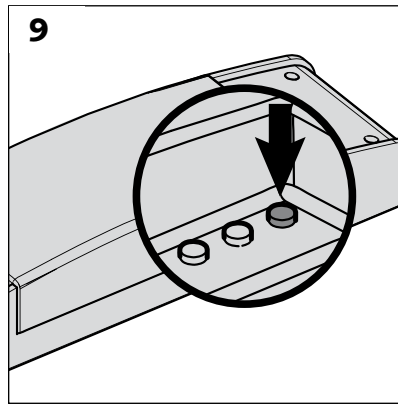
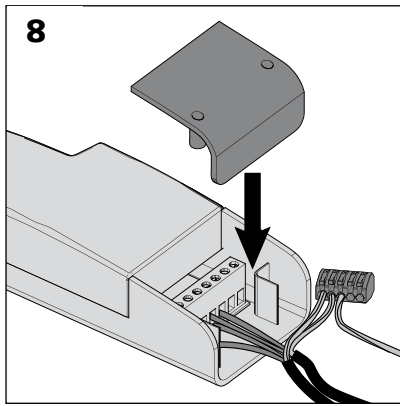
Check fuses are disconnected before any operation.

IMPORTANT!

Make sure that you position the various parts in such a way that makes access possible once the stove is installed and the recess closed. They must be located under the access hatch of the combustion chamber (inside the air unit, if necessary).



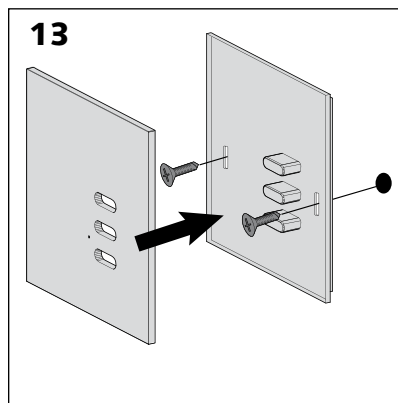
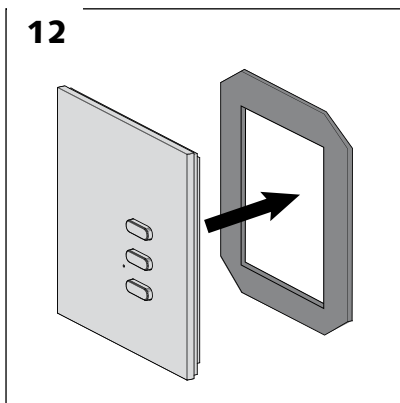
Auxiliary ventilation (continuation)



To synchronise the unit with the remote control, press the red button until a continuous noise is emitted [diagram 9].

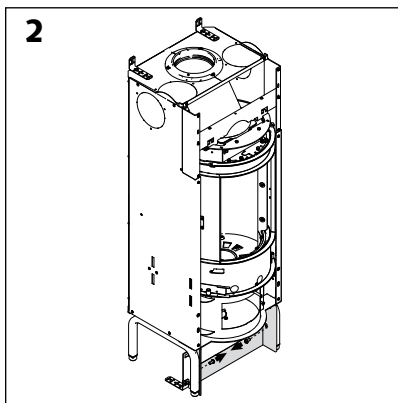
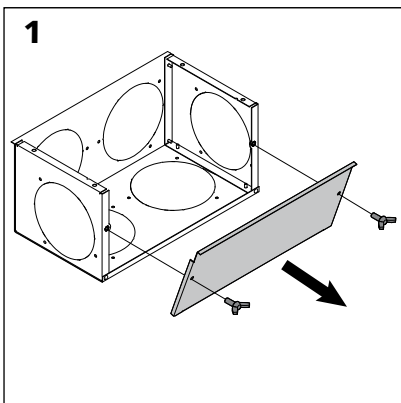
Next, press a button on the remote control. An intermittent sound is emitted [diagram 10].

From this point, the 2 devices are synchronised.



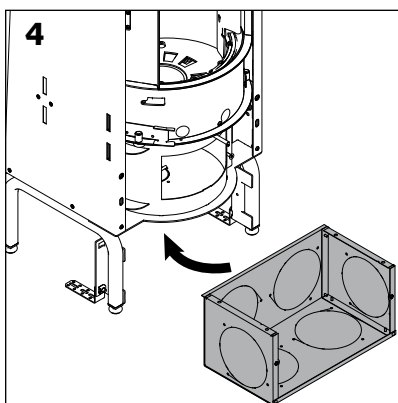
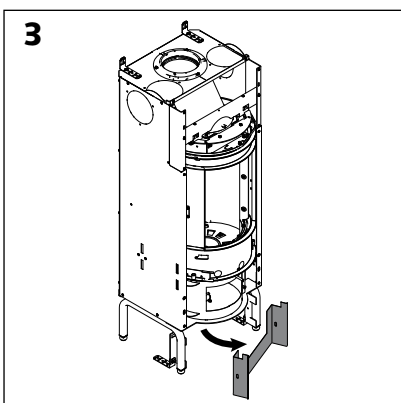
It is possible to attach the remote control either with the double-sided adhesive [diagram 12] or using the 2 small screws [diagram 13]. These parts come complete with the remote control box.

Installation of the air case (optional)

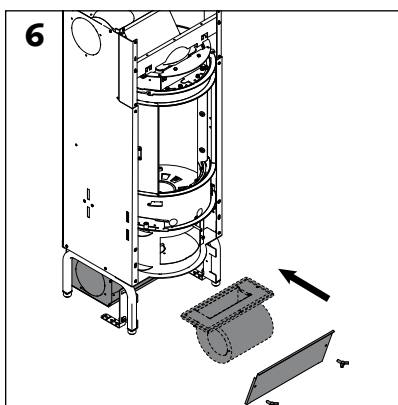
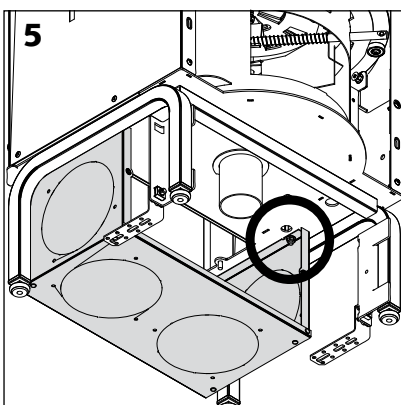


Remove the plate in front of the air case [diagram 1].

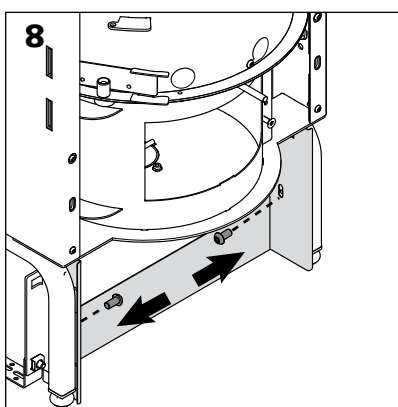
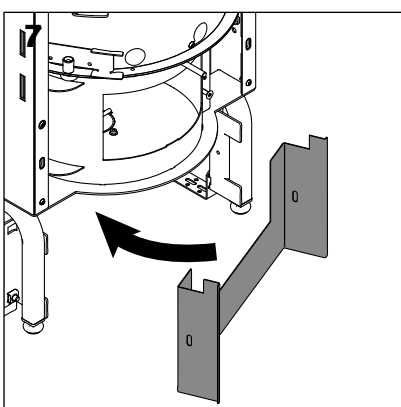
Remove the plinth from the stove [diagrams 2 and 3]. Unscrew it and bend slightly to remove it.



Slide and attach the air case underneath the stove using the 4 nuts [diagrams 4 and 5].

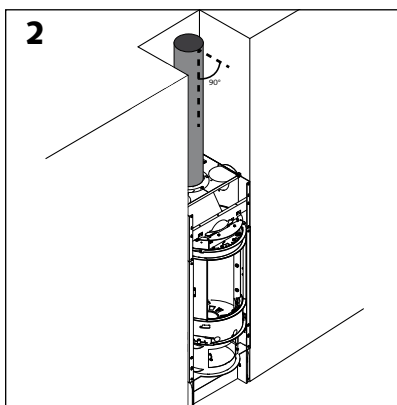
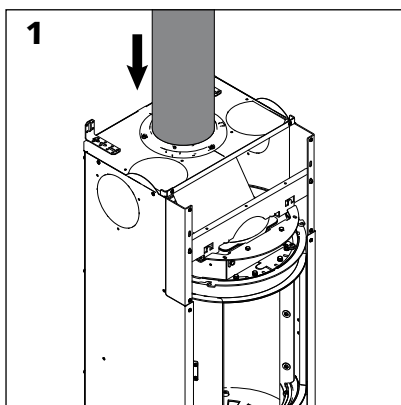


Reclose the air case, possibly with the fan [diagram 6].



Reattach the plinth [diagrams 7 and 8].

Connection to the smoke flue

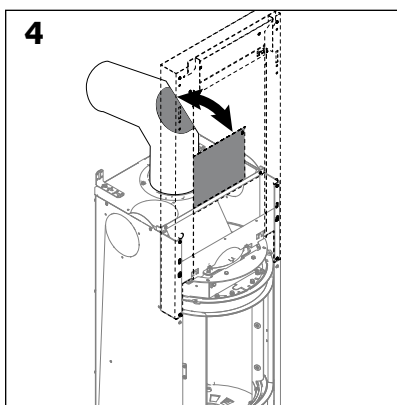
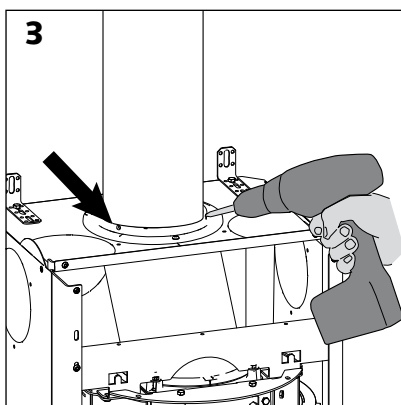


In the case of a connection duct for just one room, leave a gap of 2 mm/m lengthways to allow for expansion.

Insert the duct and check the verticality [diagrams 1 and 2].

Attach the duct to the stove [diagram 3].

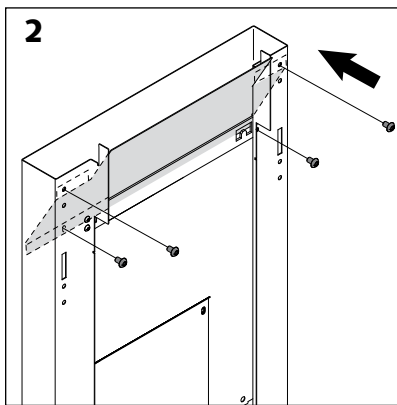
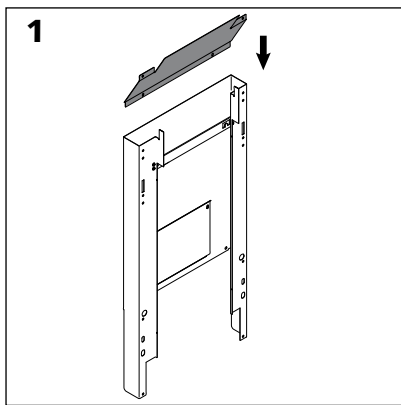
If connecting at the back, ensure that the elbowed duct has a flap opposite the access provided in the front piece support [diagram 4].



Installation of finishing pieces (uprights, extension): 3 possible configurations

Fitted in a recess: configuration "B"

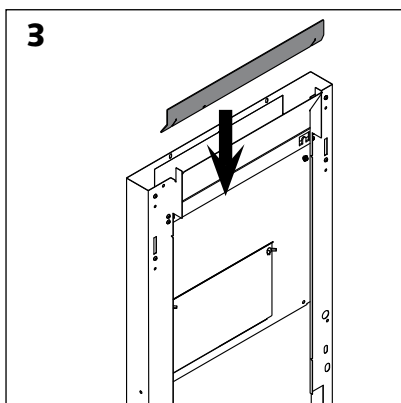
For configuration "R", go directly to page 33, for configuration "P", go to page 36.

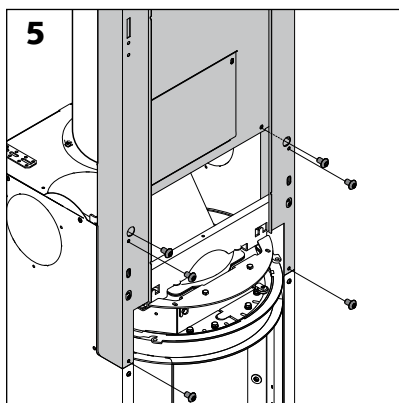
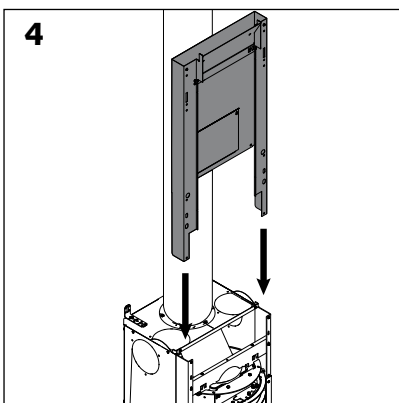


3 stages:

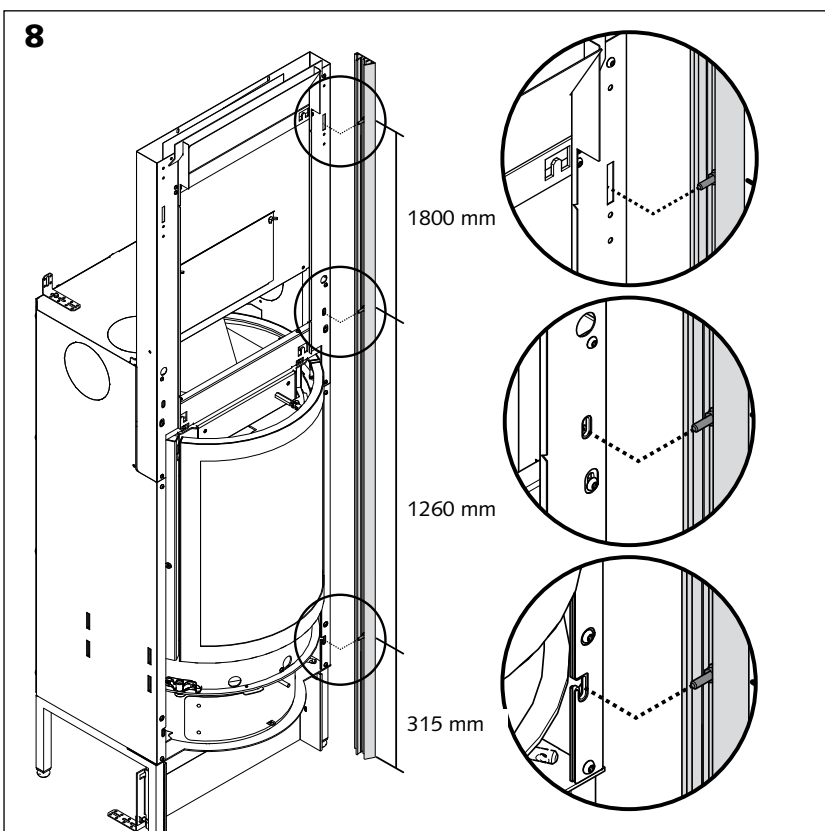
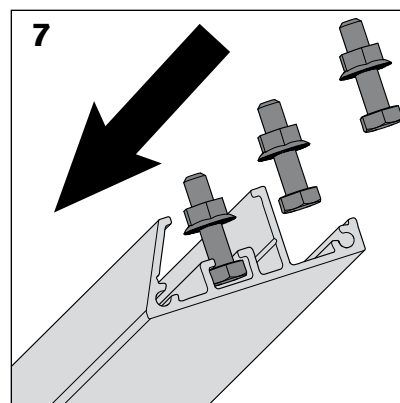
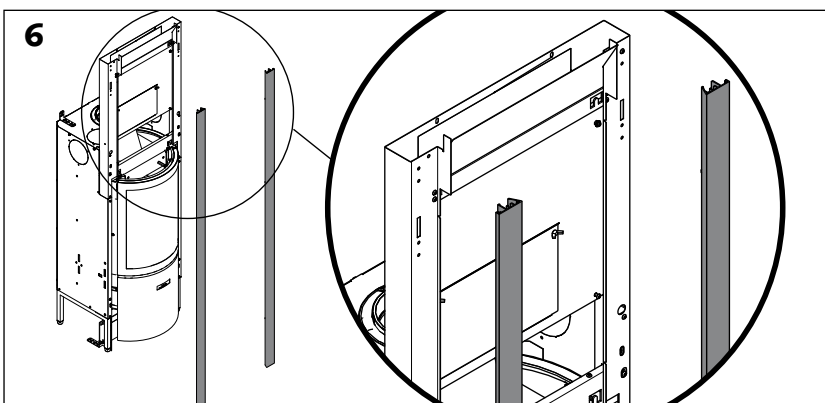
Positioning of the front piece support

– Insert the hot air deviator plate and tighten the 2 upper screws on the front part of the front piece and the two lower screws on the back part [diagrams 1 and 2].





– Using the size 4 Allen key, attach the front piece support to the stove, 6 screws [diagrams 4 and 5].

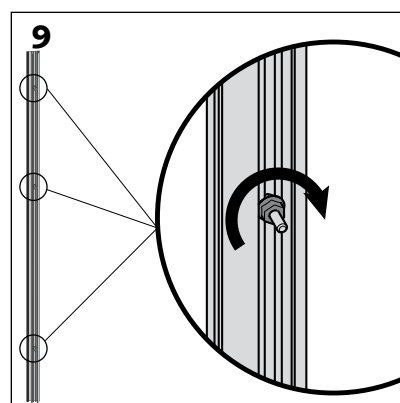


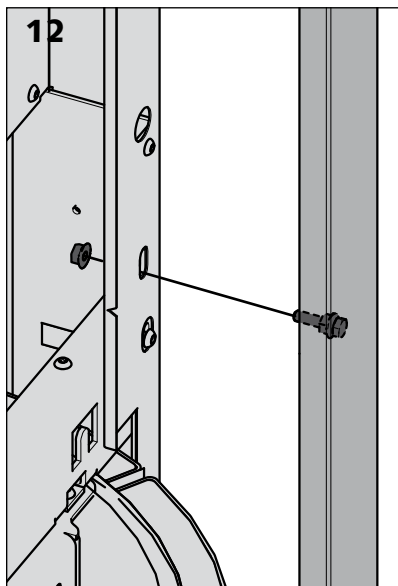
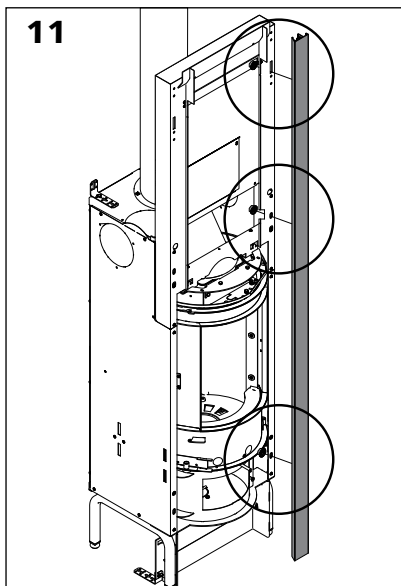
Positioning of the uprights

Position the uprights opposite the system and identify the three oblong holes to be used for attachment [diagram 6 & 8].

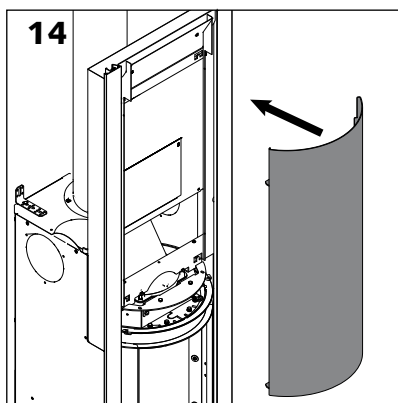
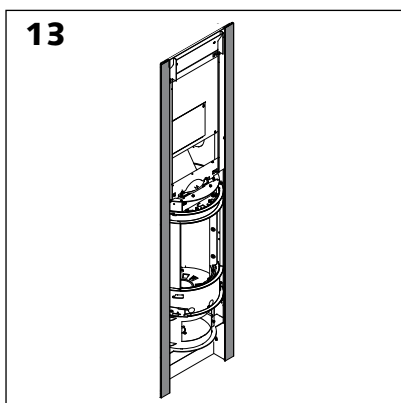
Position the screws in the groove of the upright provided for this purpose [diagram 7].

Position them opposite the holes [diagram 8] and tighten them to secure them firmly into position.



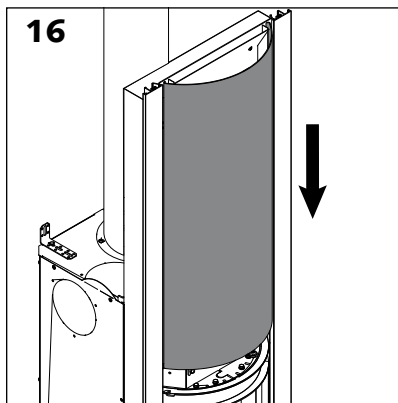
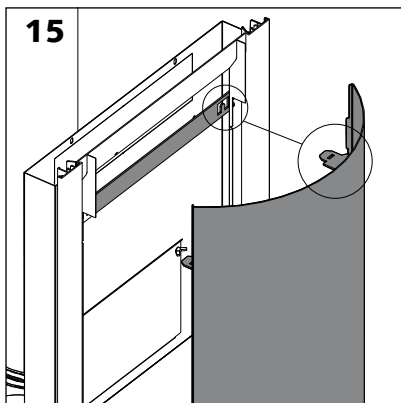


Connect the upright and the stove by clamping them together using 3 nuts. Place the nuts one above the other [diagram 12].

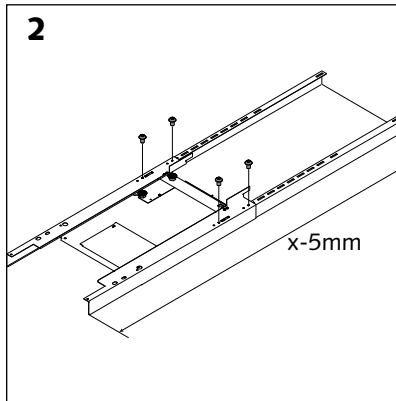
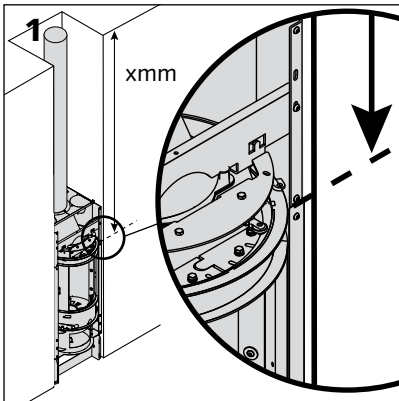


Positioning of the front piece

Position the front piece parallel with the front piece support and lower it [diagrams 14 and 15].



Fitted in a recess for the full ground/ceiling height: configuration "R"

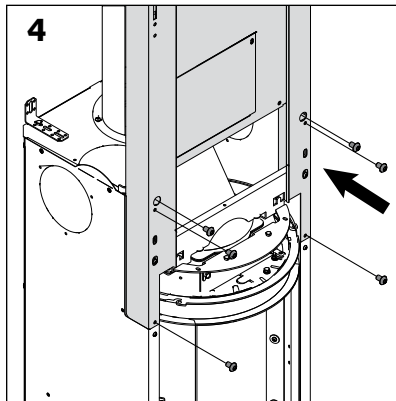
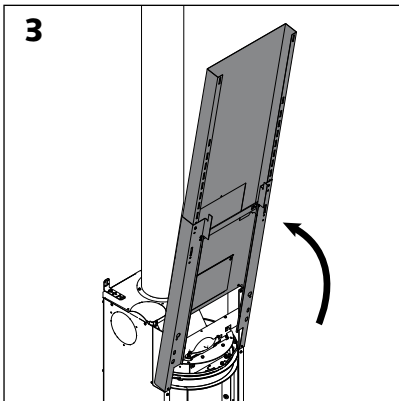


4 stages:

Positioning of the front piece support

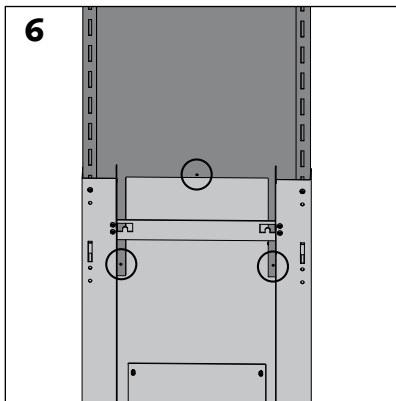
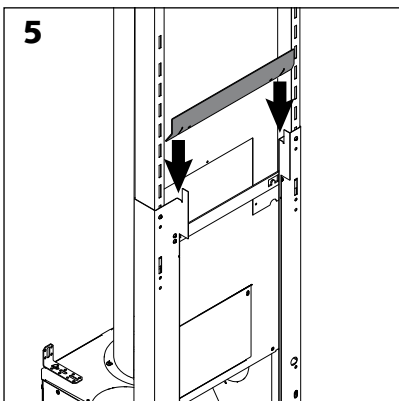
Measure the height from the position marked on diagram 1 to the ceiling [diagram 1].

Adjust the height of the front piece support with its extension by referring to the measurement and deducting 5 mm. [diagram 2].

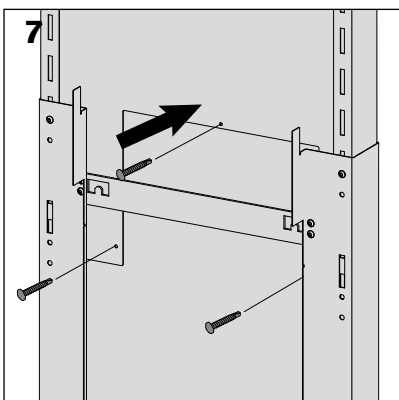


Using 6 screws and the size 4 Allen key, attach the whole unit to the stove [diagrams 3 and 4].

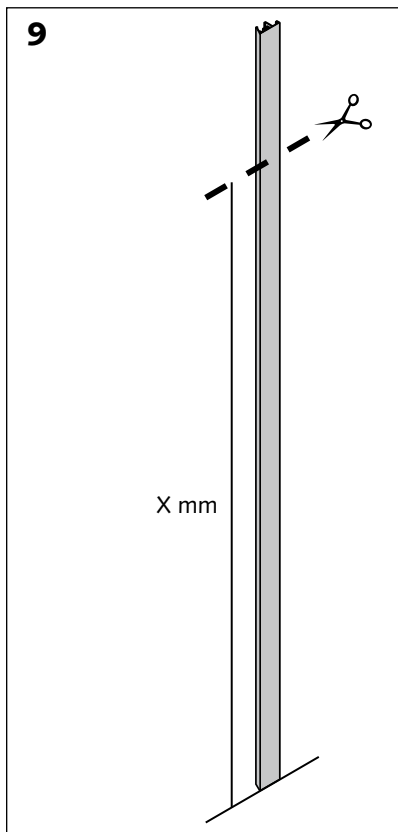
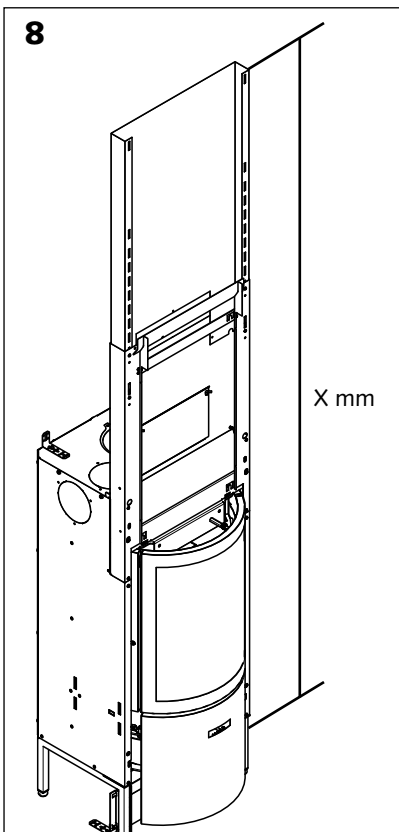
Please note: if you install a ceiling finishing plate, this support has to be put in place to indicate the position of the ceiling plate and then remove it to screw in the ceiling plate



Insert the hot air deviation strip [diagram 5].



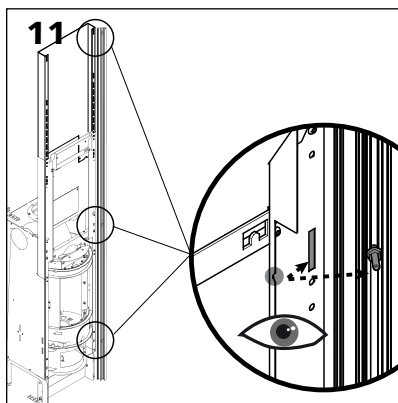
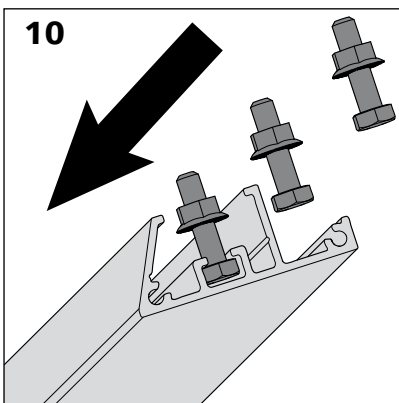
Secure using its notches. Using the self-tapping screws, attach the upright to the front piece support to avoid any disruptive vibration [diagrams 6 and 7].



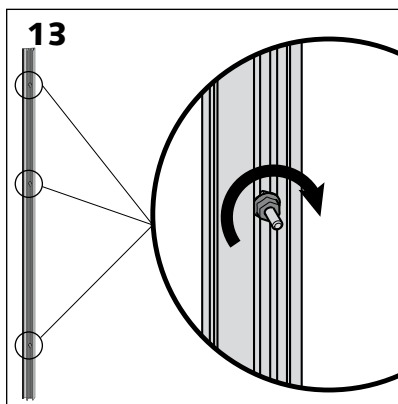
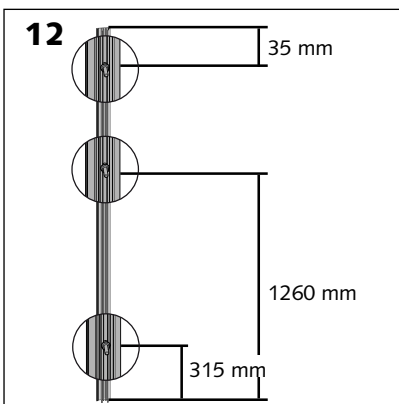
Positioning of the uprights

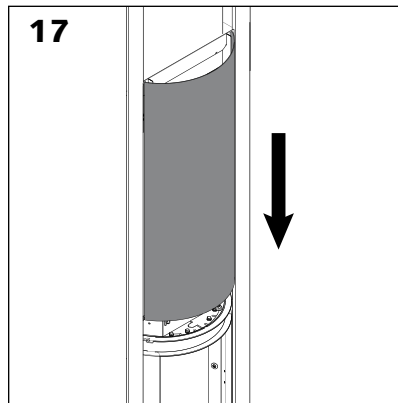
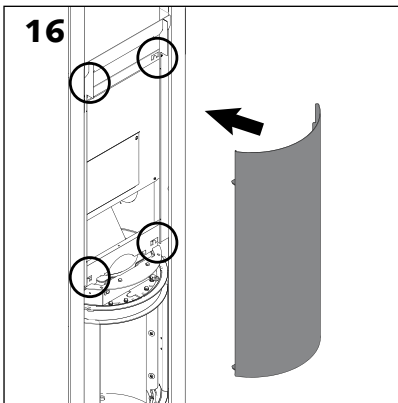
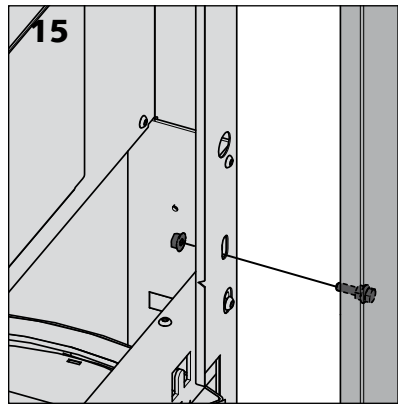
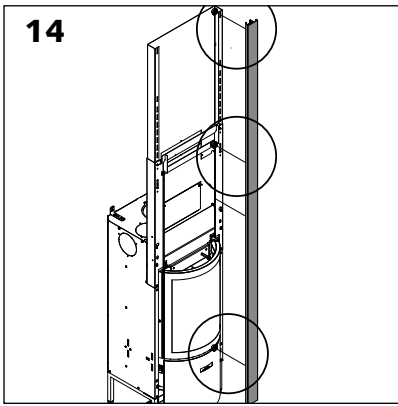
For the 2 uprights of the upper part, cut to size the upright supplied as an option [diagram 8].

For the 2 upper uprights, position the cut to the top. The point where the upper and lower frames meet will be optimal.

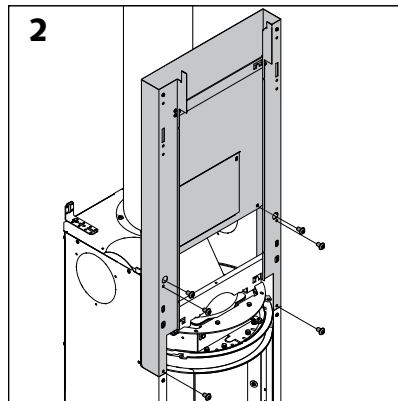
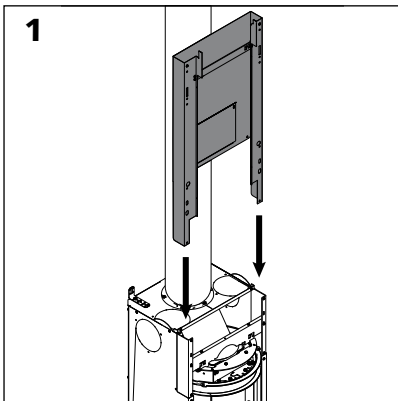


For the attachment itself, see the end of the section "positioning of the uprights" of the previous configuration. The same applies to the positioning of the front piece.





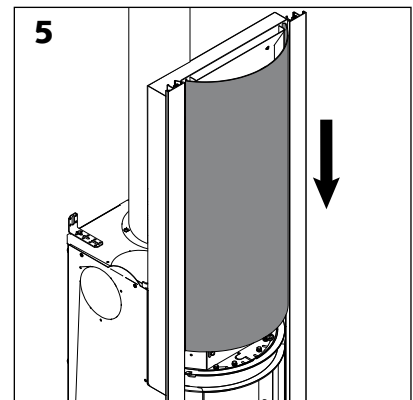
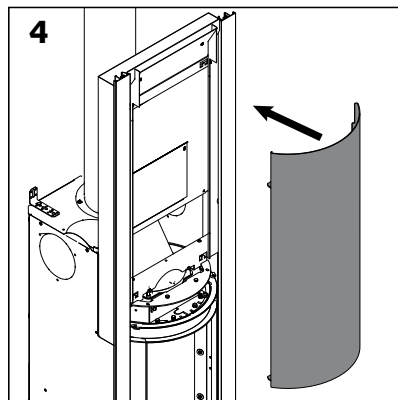
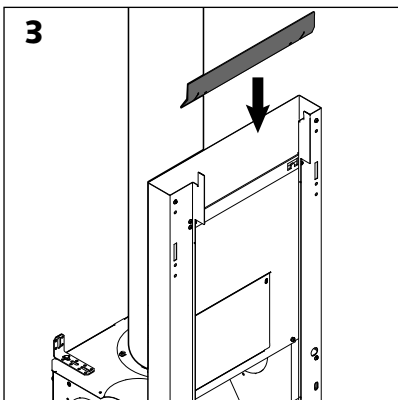
Fitted as well as ready-to-install fireplace: configuration "P"



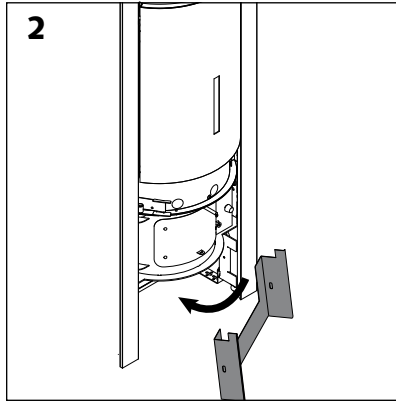
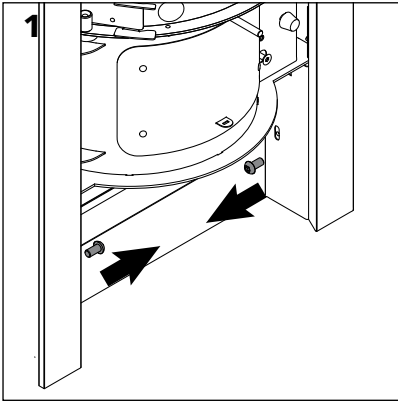
Using the size 4 Allen key, attach the front piece support to the stove, 6 screws. [diagram 2].

Insert and attach the hot air deviation plate to the front piece support [diagram 3].

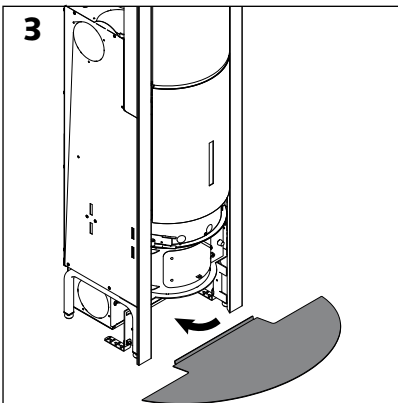
Position the front piece parallel with the front piece support and lower it [diagrams 4 and 5].



Positioning of the ground plate

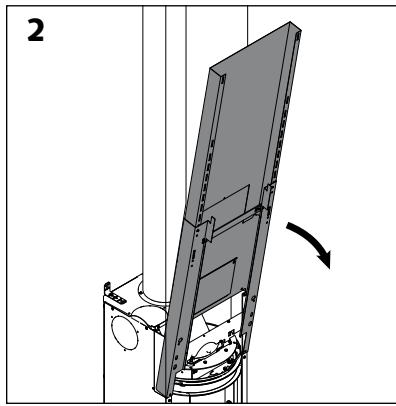
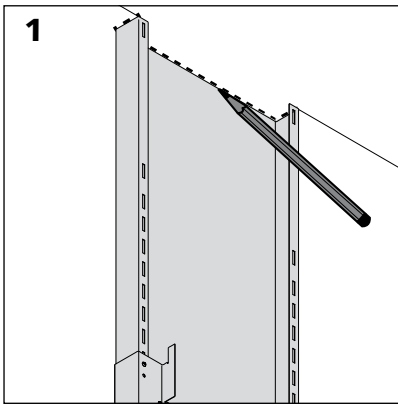


Unscrew and remove the air inlet access flap [diagrams 1 and 2].



Position the ground plate [diagram 3].

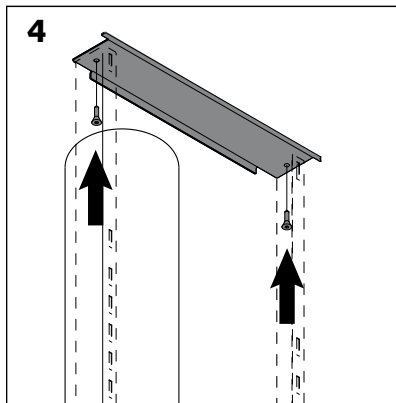
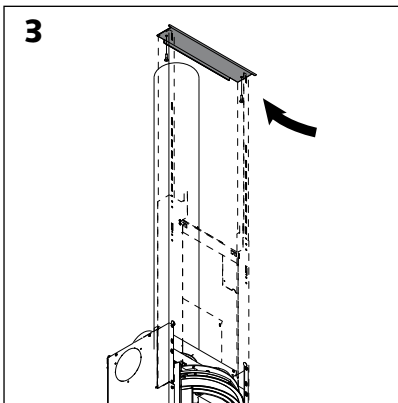
Positioning of the ceiling finishing piece (optional)



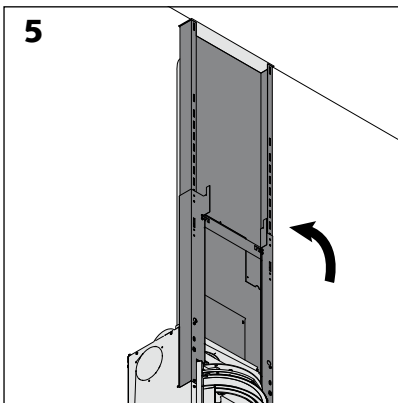
The following guidelines are valid for straight and curved ceiling plates.

As a guide, draw the shape of the support in order to correctly position the finishing plate. Once it has been drawn, disassemble the front support [diagram 1].

Remove the extension [diagram 2].

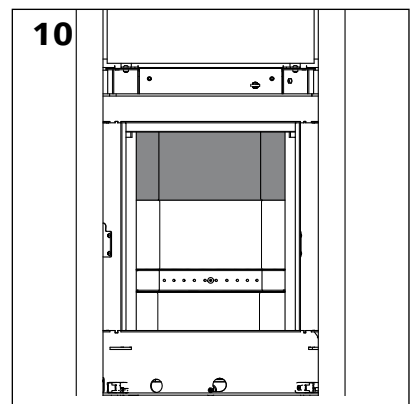
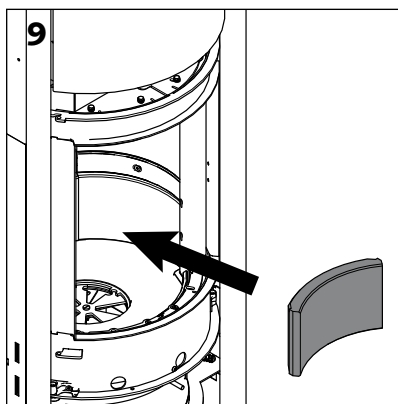
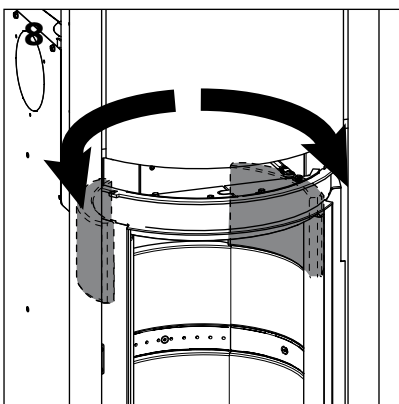
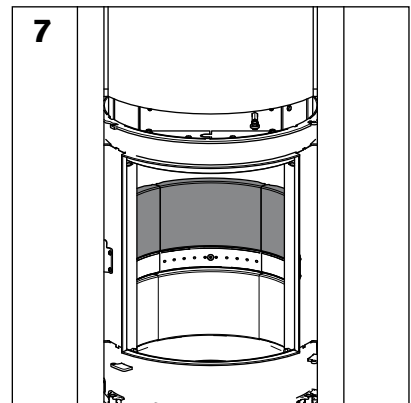
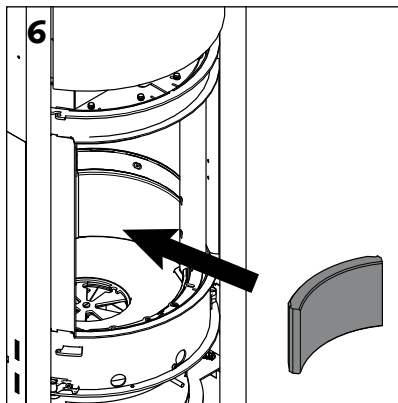
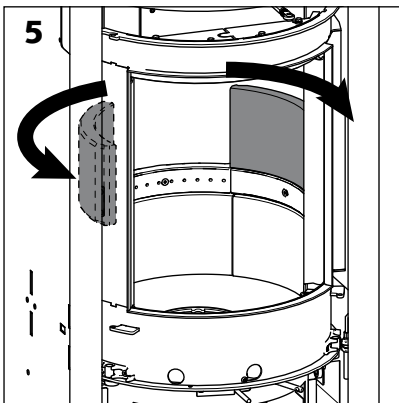
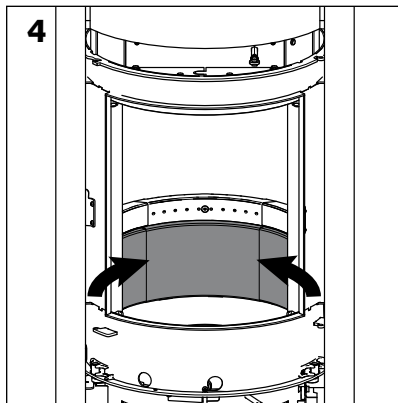
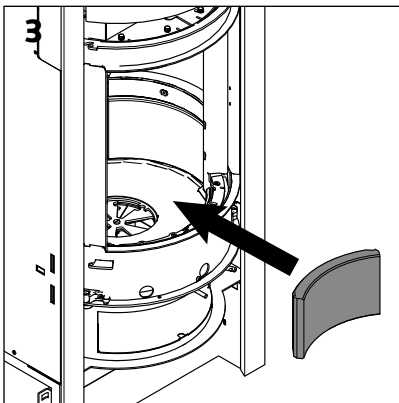
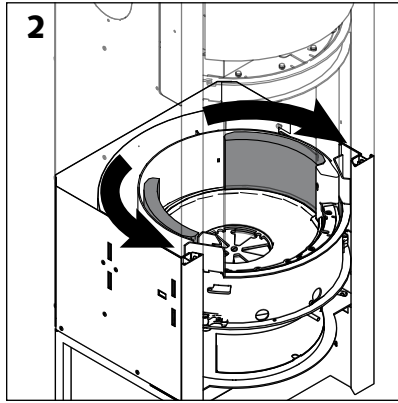
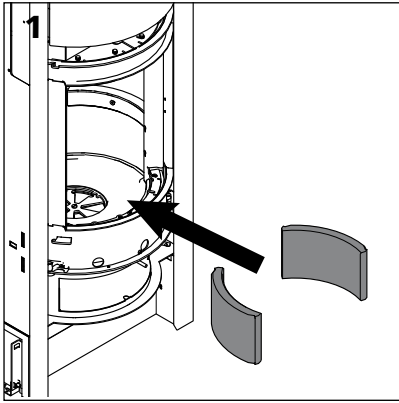


Position and screw in the finishing plate [diagrams 3 & 4].

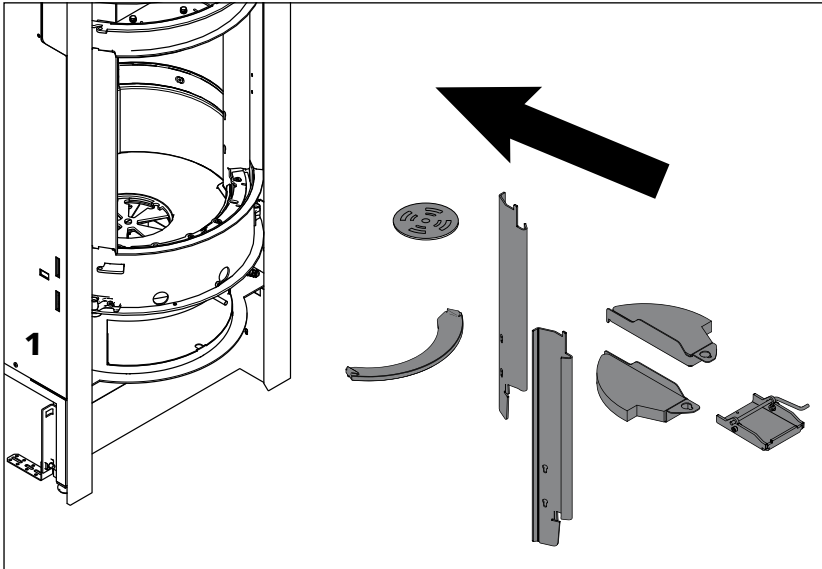


Replace the extension and attach it [diagram 5].

Lining the combustion chamber



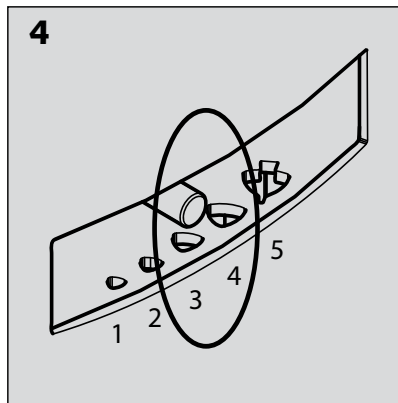
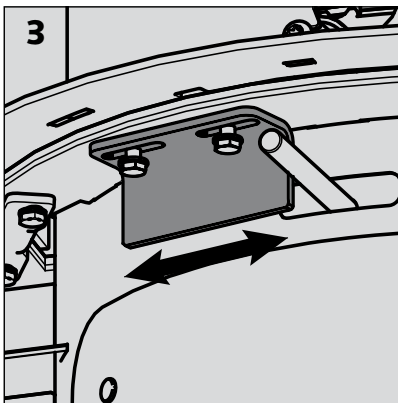
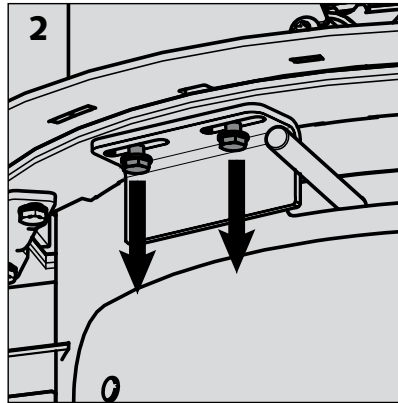
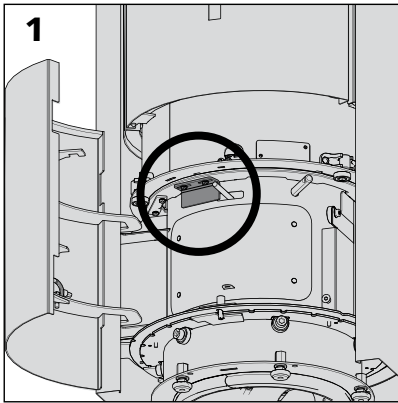
Lining the combustion chamber



Construction of cladding

When installing the cladding or the construction surrounding the stove, follow the basic principles set out in the section “preparing the fireplace”.

Adjusting the minimum valve opening stop



Depending on the draw of the flue, the minimum valve opening stop [photo 1] can be adjusted.

> **undo the screws** (using a size 10 screwdriver) that hold the stop [photo 2].

> **if the draw is strong**, slide the stop further to the left [photo 3]. The valve can be set in position zero (all the way to the left); it prevents any air being drawn into the combustion chamber.

> **if the draw is weaker**, slide the stop slightly to the right [photo 3].

This adjustment ensures two things:

- prevents risk of explosion,
- keeps the glass door clean.

ATTENTION !

In smoke control areas The air control stop must be set so that it cannot be closed beyond the position between 3 and 4. [diagram 4]

When the installation of the stove is complete...

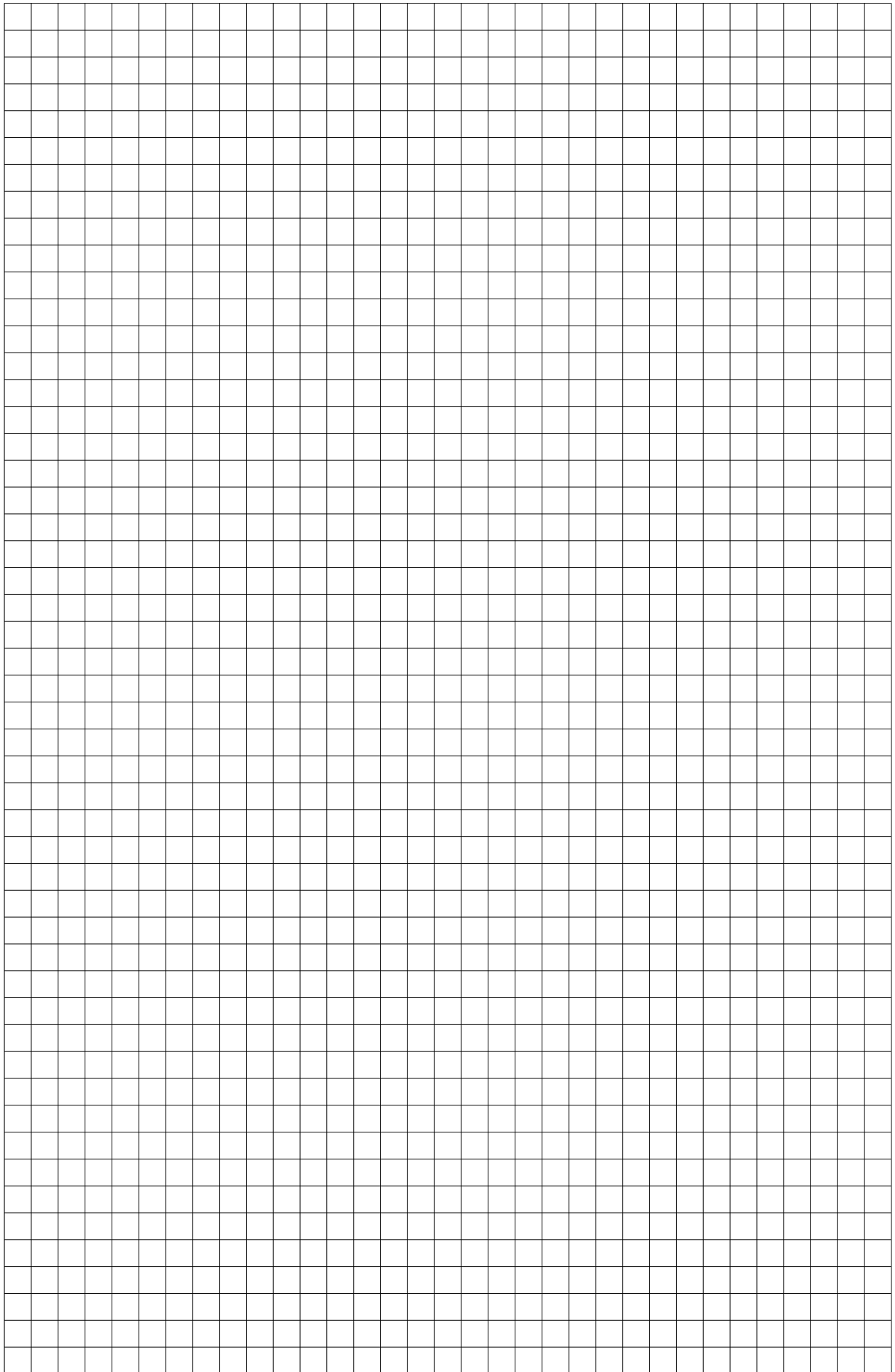
... Carry out a test to ensure it is working correctly.

Before this test, ensure no items involved in installation have been left in the combustion chamber or in the bends (spray paint, tubes of grease, tools).

When the fire is first lit, some smoke or odours may be produced : Ventilate the room thoroughly.

See directions for use.

Once installation is complete, return the directions for use to the user. Fill in the guarantee certificate with him (at the back of the directions for use) and advise him to return it to the manufacturer or importer.



ACCEPTANCE OF WORKS



PLEASE COMPLETE IN BLOCK CAPITALS.

THE PURCHASER

SURNAME
FIRST NAME
ADDRESS WHERE WORKS WERE CARRIED OUT
POST CODE
TOWN/PLACE
COUNTRY

INSTALLATION ENGINEER

COMPANY

YOUR STÛV STOVE 30-IN

SERIAL N°
DATE OF INSTALLATION

FLUE CHARACTERISTICS

HEIGHT OF FLUE IN M
DIAMETER OF FLUE IN MM
TYPE OF FLUE

CHECK OF SYSTEM'S SETTINGS

CHECK ON THE VACUITY OF THE FLUE
VALIDATION OF DRAUGHT
VERIFICATION OF AIR INLET SETTING
(OPEN/CLOSED)

CHECK OF THE HUMIDITY OF THE WOOD HUMIDITY % NO WOOD

COMMENTS
.....
.....

SAFETY GUIDELINES

The use of this system has to comply with the installer's recommendations and the manufacturer's instructions which are set out in the directions for use issued to the customer with the invoice and this confirmation of acceptance.

The efficiency and longevity of the system depend directly on the quality of wood used: it is essential that wood with humidity of less than 18% (*) or reconstituted wood briquettes are used. Green wood with drying-out time of less than 24 months cannot be used (more information in the "fuels" section on pages 8 and 9 of the directions for use).

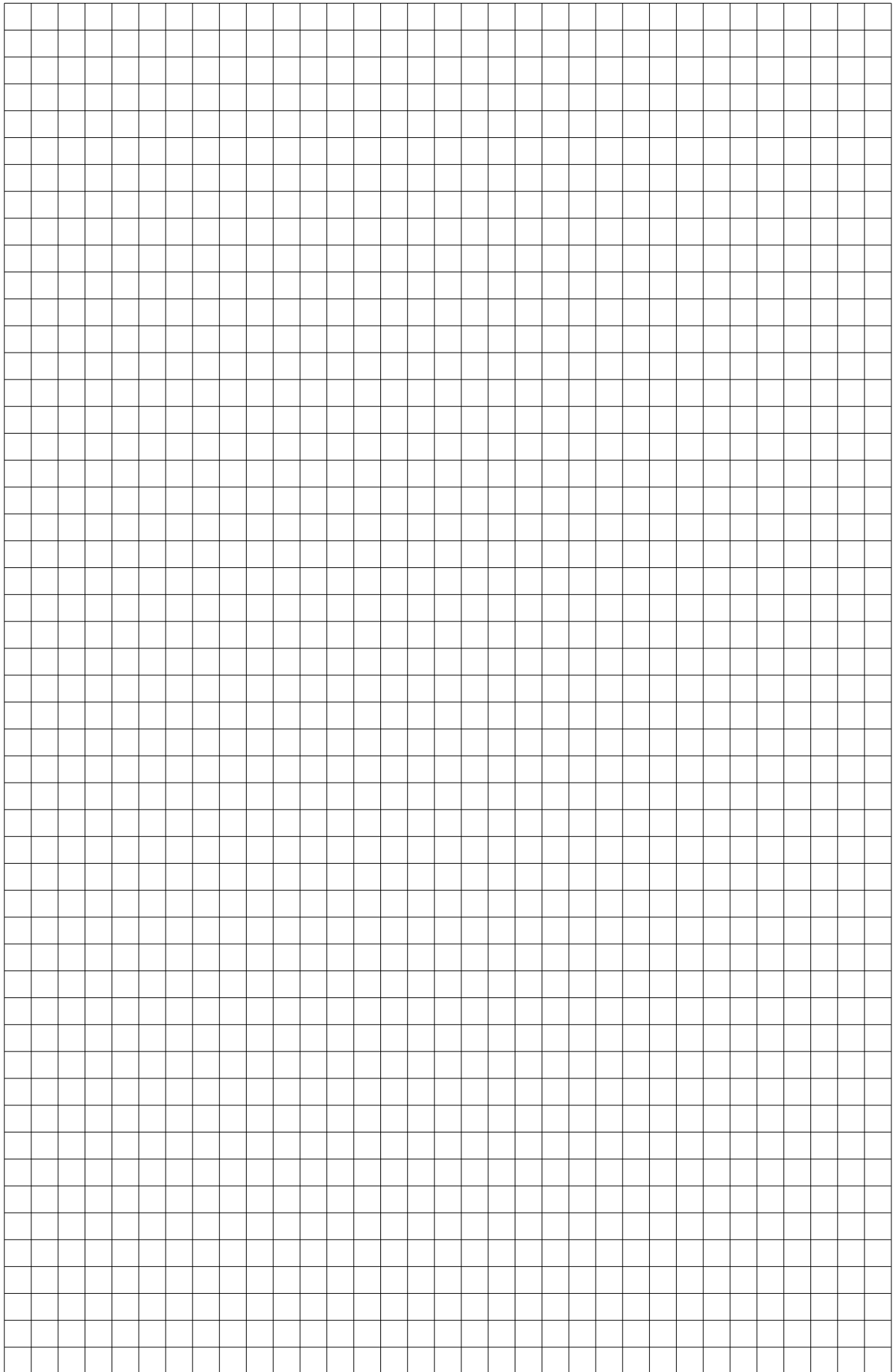
THE INSTALLATION ENGINEER (name written out in full and signature).....

THE CUSTOMER (name written out in full and signature)

Directions for use of the system issued to customer / Information sheet on lighting the stove issued to the customer

* www.nfboisdechauffage.org





CONTACTS

Stûv stoves are designed and manufactured in Belgium by:

Stûv sa
rue Jules Borbouse 4
B-5170 Bois-de-Villers (Belgium)
info@stuv.com – www.stuv.com

Importer for the UK

Jet Master Fires Ltd – Unit 2
Peacock trading Estate, Goodwood Rd
S050 4NT Eastleigh – Hampshire
T 0870 727 0105
jetmastersales@aol.com
www.jetmaster.co.uk

Importer for Finland

Ilkka Alatarvas OY
Pikkujärventie 4B
01680 Vantaa
T 400 872 858
www.takkamaailma.com

Importer for Sweden

Eldoform Sverige AB
Slipgatan 2 – 117 39 Stockholm
T 0707 883 53 – www.eldoform.se

Importer for Denmark

Stove APS
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ATTENTION!

When you take delivery of the stove, please check that the glass has not been broken during transport. The guarantee only covers damage caused during transport if mentioned on the delivery note.

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installation instructions [en] Stûv 30-in

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Stûv reserves the right to make changes without prior notice.

These instructions have been produced with the greatest of care. However, we do not accept responsibility for any errors that may have been made.

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