

# Installation Instructions



C 850

# *Contura*

## EC Declaration of conformity

**Contura** www.contura.eu

### MANUFACTURER

Name NIBE AB/Contura  
Address Box 134, Skulptörvägen 10, SE-285 23 Markaryd  
Place of manufacture Markaryd, Sweden

### PRODUCT

Product type Stove fired by solid fuel  
Type designation Contura  
Standard EN 13240 annex ZA  
Intended for use Heating of living accommodation  
Fuels Wood logs  
Special conditions None

CE-MARKING 850  
Issued 2010  
Nominal output 5 kW  
Fuel type Wood logs  
Flue gas temperature 261° C  
Energy efficiency 82%  
Emission of CO 0,07%

### Appendix

Lighting and installation instructions



Niklas Gunnarsson  
Business area manager NIBE STOVES



#### Manufacturer's assurance

The stove is approved by the Swedish National Testing and Research Institute, SP SITAC and fulfils the applicable rules for CE marking. Manufacture of the product has taken place in accordance with those documents that are the basis for the relevant type approval certification and the required manufacturing checks.



#### Contura 850 is a Swan marked wood burning stove.

NIBE was the first stove manufacturer in Sweden to commit to Swan marking stoves. The Swan mark is one aspect of our vision to be a company of the future, setting high quality standards regarding the environment. Certification number 378-001.

A warm welcome to Contura.

A warm welcome to the Contura family. We hope you will get a great deal of pleasure from your new stove. As a new owner of a Contura stove you have secured a product with timeless design and long service life. Contura also has combustion that is both environmentally friendly and efficient for the best heat production.

Read through these installation instructions carefully before installation. Read how to best light your stove in the lighting instructions.

#### Table of contents

Technical details	52
Prior to installation	52
Connection to chimney	53
Supply of combustion air/Option	54
Installation distances	55
Assembly	56
Removing the loose parts	58

### **NOTE!**

#### **Report the installation of a stove to your local authority.**

The owner of the house is personally responsible for ensuring compliance with the mandatory safety requirements and must have the installation approved by a qualified inspector. Your local chimney sweep must also be informed about the installation as this will affect the routines for regular chimney-sweeping services.

### **WARNING!**

#### **The stove becomes very hot**

During operation, certain surfaces of the stove become very hot and can cause burn injury if touched. Be aware of the strong heat radiated through the hatch glass. Placing flammable material closer than the safe distance indicated may cause a fire. Pyre lighting can cause quick gas ignition with the risk of damage to property and personal injury.

## Technical details

Contura 850



Nominal output 5 kW  
Efficiency up to -%

**Model 850**  
Height (mm) 915  
Width (mm) 460  
Depth (mm) 360  
Weight (kg) 85

Type approved in accordance with:  
European standard EN-13240  
Swedish approval  
Norwegian standard NS 3059  
German standard DIN Plus

## Important to remember!

### Installation by authorised technician

This manual contains instructions about how the stoves must be assembled and installed. To ensure the function and safety of the stove, we recommend that the installation is carried out by an authorised technician. Contact one of our dealers who can recommend suitable technicians.

### Building application

These main instructions may give guidance which would contravene national building regulations. Please refer to supplementary instructions or ask your local authority for advice regarding building regulations. Before installing a stove or erecting a chimney it is necessary for you to make a building application permission to your local authority.

### Structural support

Check that the wood joists are strong enough to bear the weight of the stove and chimney. The stove and chimney can usually be placed on a normal wooden joist in a single occupancy house if the total weight does not exceed 400 kg.

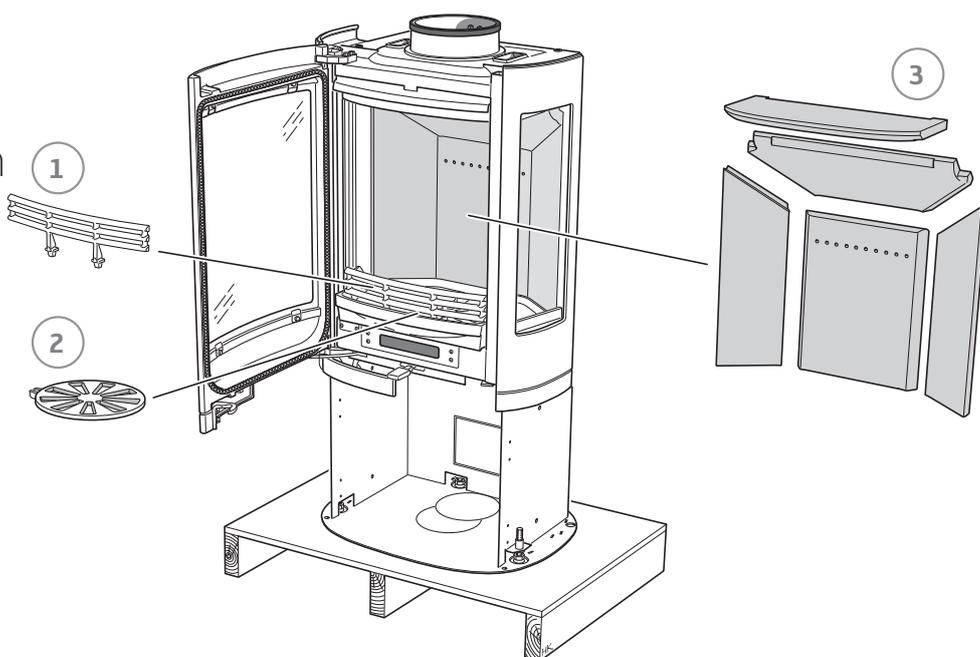
### Hearth plate

Due to the risk of falling embers, a flammable floor must be protected by a hearth plate. It must extend 300 mm in front of the stove and 100 mm on each side of the stove, or have a 200 mm extension on each side of the opening. The hearth plate can consist of natural stone, concrete, metal plate or glass. A painted metal or glass hearth plate is available as an accessory for these models.

## Prior to installation

If the insert needs to be put down to be moved or if the pillar foot is to be installed, remove any loose components. This is described at the end of these installation instructions.

- 1 Fire bars
- 2 Grate disc
- 3 Fire bricks

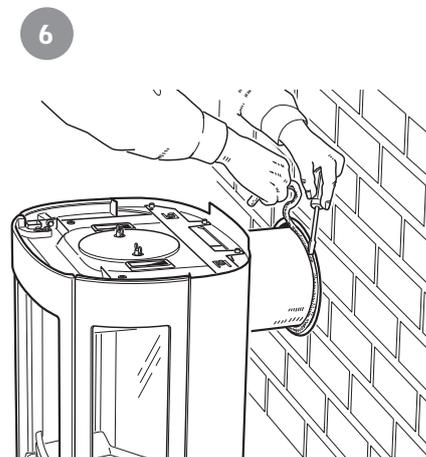
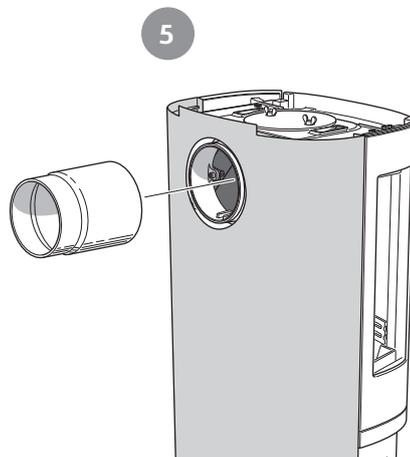
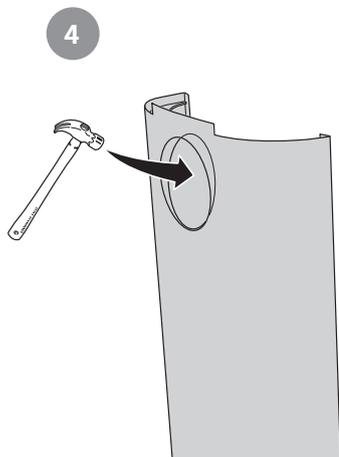
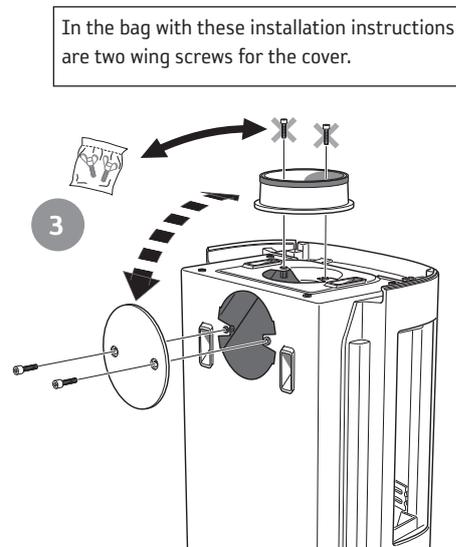
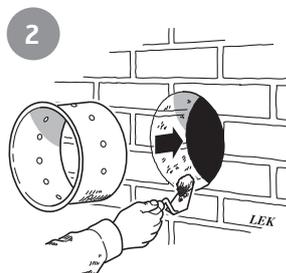
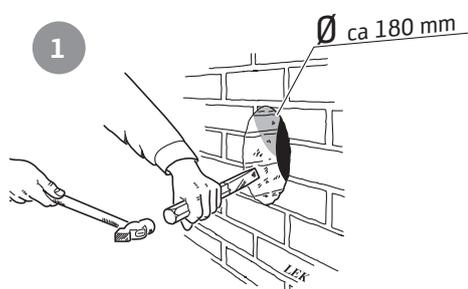


## Connection to chimney

- The stove meets the requirements for connecting to chimneys dimensioned for 350°C flue gas temperature.
- The external diameter of the connection sleeve is 150 mm.
- The stove requires a draft in the chimney of at least -12 Pa. The draft is affected both by the length and area of the chimney, and by how well sealed it is. Minimum recommended chimney length is 3.5 m and suitable cross section area is 150-200 cm<sup>2</sup> (140-160 mm in diameter).
- A flue with sharp bends and horizontal routing reduces the draught in the chimney. Maximum horizontal flue is 1 m, on the condition that the vertical flue length is at least 5 m.
- It must be possible to sweep the full length of the flue and the soot hatches must be easily accessible.
- Carefully check that the chimney is sealed and that there is no leakage around soot hatches and flue connections.

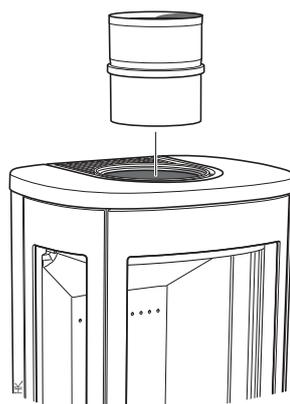
### Rear connection to a masonry chimney

The back panel must be installed before the stove is rear connected.



### Top connection to the chimney

The hot air grille must be installed before chimney top connection.



Make sure that the connector gasket does not work loose when the connection pipe is placed on the connector. If further sealing material is required, heat-resistant sealant may be used.

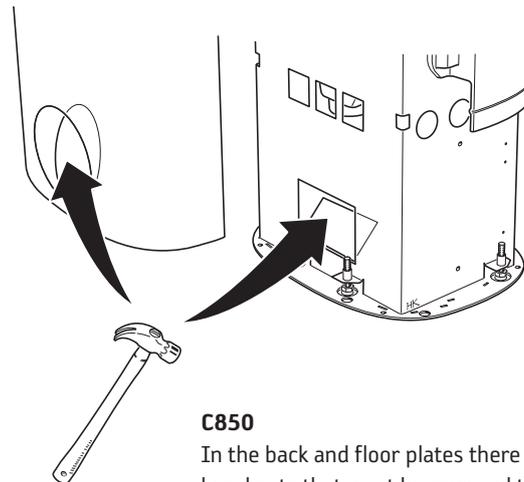
## Supply of combustion air

When a stove is installed in a room, the demand for air supply to the room increases. Air can be provided indirectly via a vent in the outer wall or via a duct from the outside that is connected to the connector on the underneath of the stove. The amount of air needed for combustion is  $20\text{m}^3/\text{h}$ .

The connector has an external diameter of 67 mm. When duct routing further than 1 m the pipe diameter must be increased to 100 mm and a correspondingly larger wall vent must be selected.

In hot areas the duct should be insulated with 30 mm mineral wool covered with a moisture inhibitor (plastic). It is important that the lead-in between the pipe and the wall (or floor) is sealed using jointing compound.

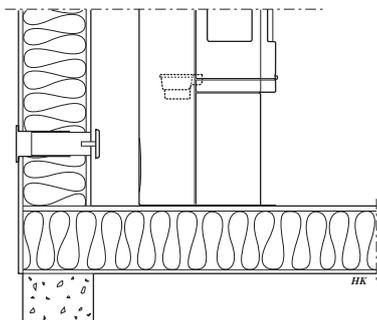
A 1 m length of condensation insulated ducting for combustion air is available as an accessory.



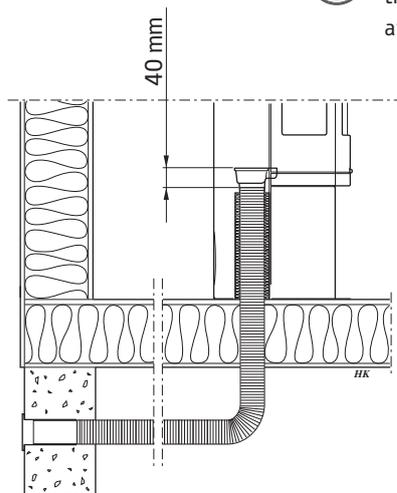
### C850

In the back and floor plates there are knockouts that must be removed to insert the pipe.

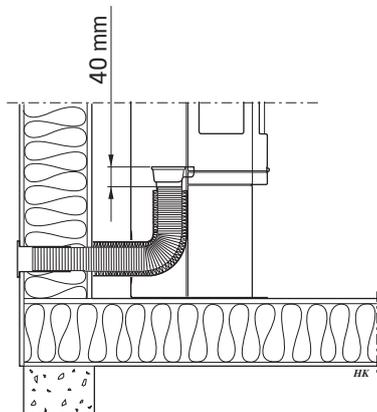
## Installation variants



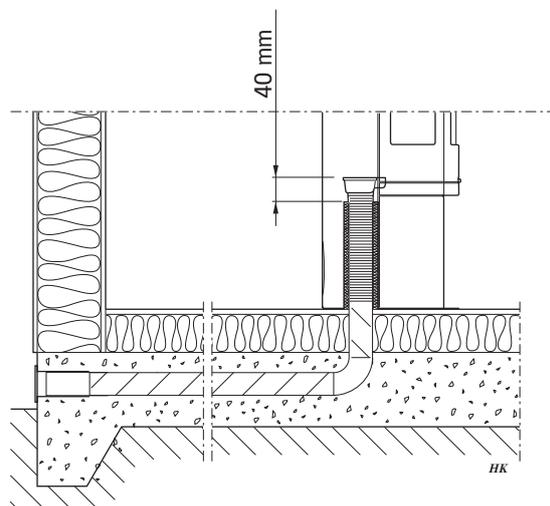
Indirect air supply through the external wall.



Through floor and wall-and-cavity foundation.



Through the external wall.



Through floor and foundation slab.



Leave a 40 mm gap between the condensation insulation and the bottom of the stove.

# Installation distances

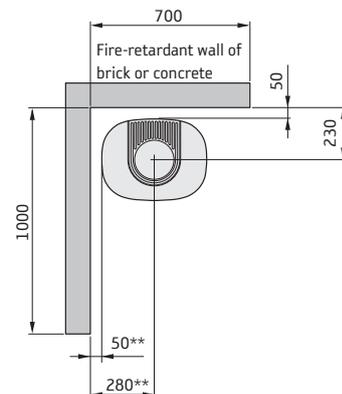
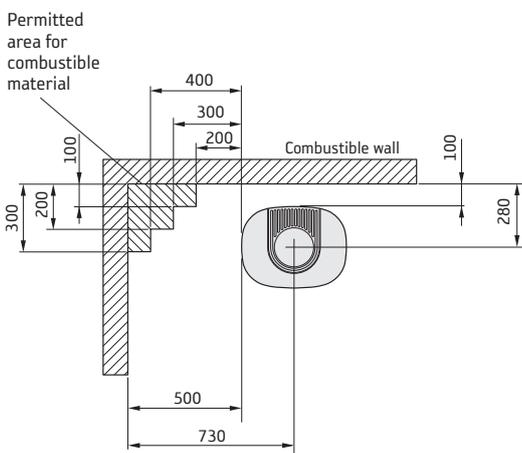
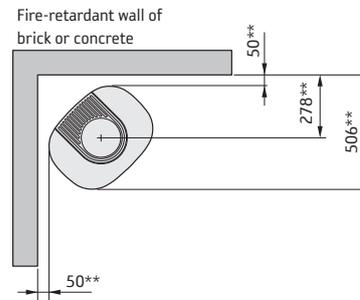
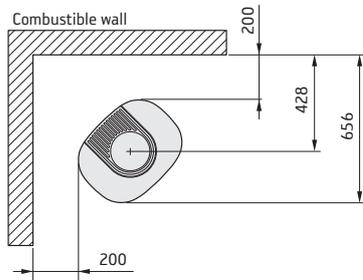
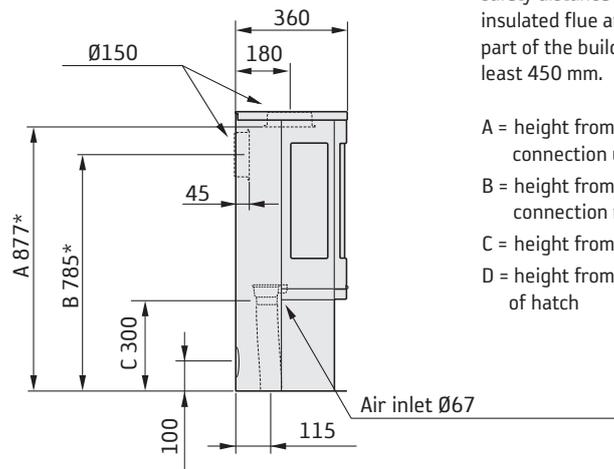
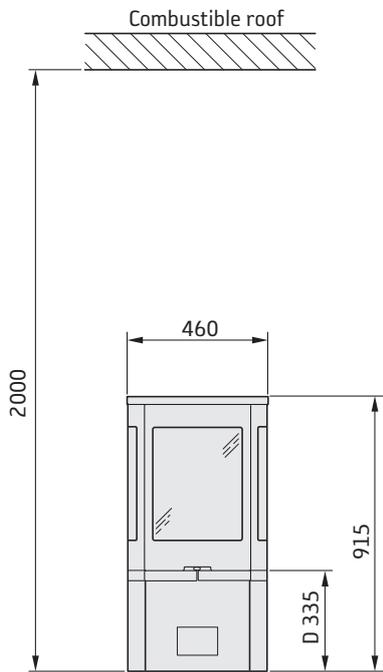
## C850

**WHEN INSTALLING TURNTABLE (OPTION) the following installation distances do not apply. See the separate turntable installation instructions.**

The minimum distance in front of the stove opening to combustible parts of the building or interior decoration must be at least 1 m.

The dimension diagrams only show the minimum permitted installation distances for the stove. When connecting to a steel flue, also note the safety distance requirements of the flue. The safety distance between an un-insulated flue and a combustible part of the building should be at least 450 mm.

- A = height from floor to chimney connection upwards
- B = height from floor to c/c chimney connection rear
- C = height from floor to air inlet
- D = height from floor to lower edge of hatch



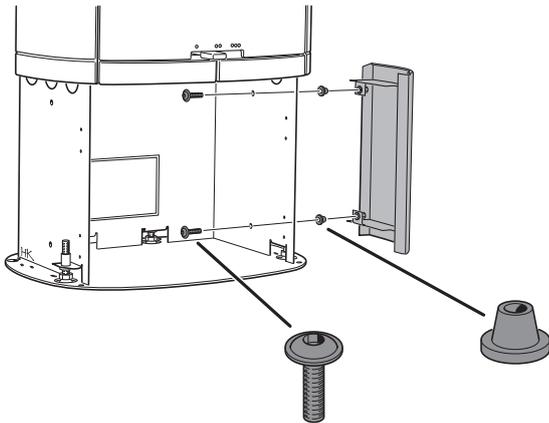
A separate glass hearth plate (accessory) increases the connection height to the chimney by 6 mm.

\* If the stove is placed on a hearth plate made of glass for example (accessory), the height from the floor is affected by a distance corresponding to the thickness of the hearth plate. Also applies to separate glass hearth plates (accessory).

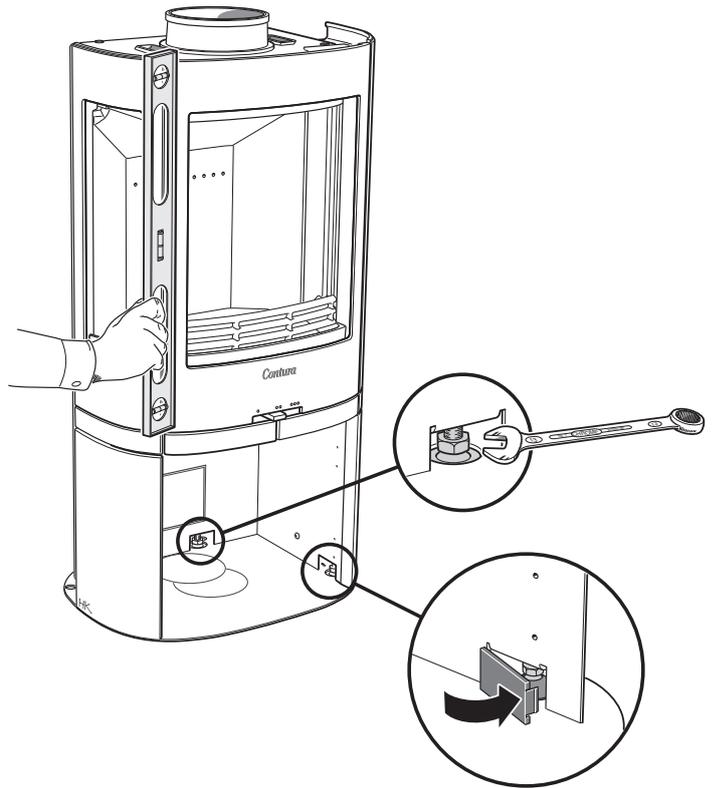
\*\* To prevent discolouration of painted non-flammable walls we recommend that the same side distance as to combustible walls is used.

## Installing C850

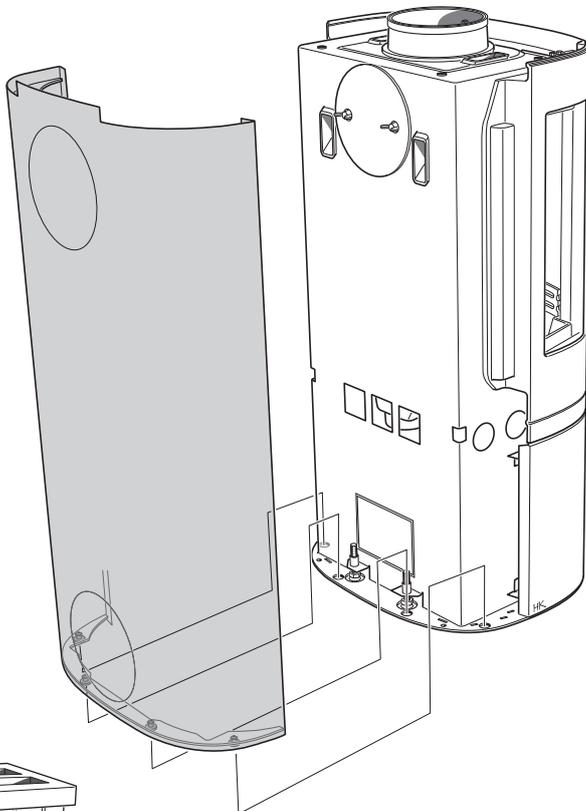
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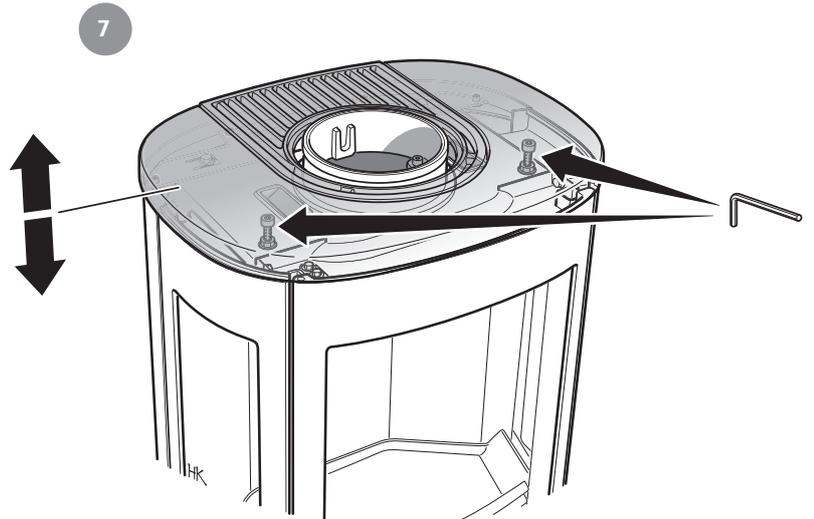
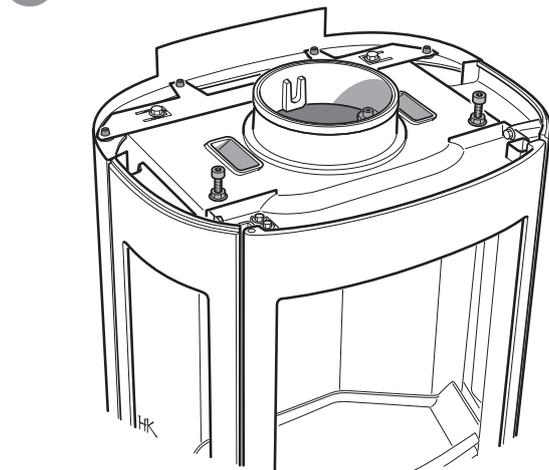
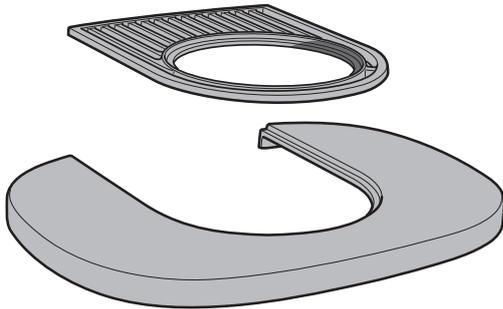
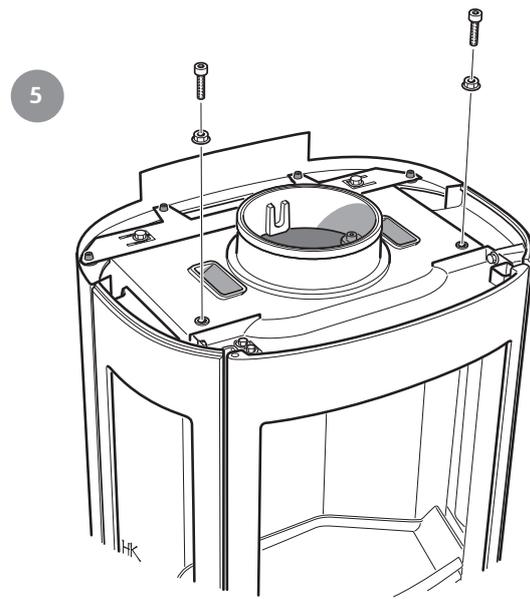


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Final inspection of the installation

It is extremely important that the installation is inspected by an authorised chimney sweep before the stove is used. Also read the "Lighting instructions", before lighting for the first time.

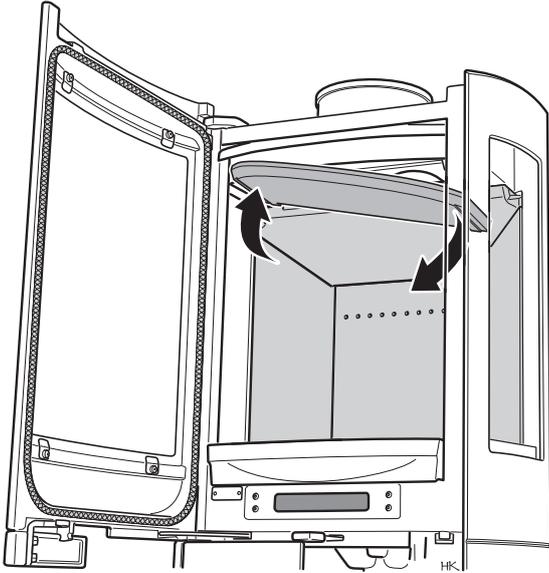


## Removal

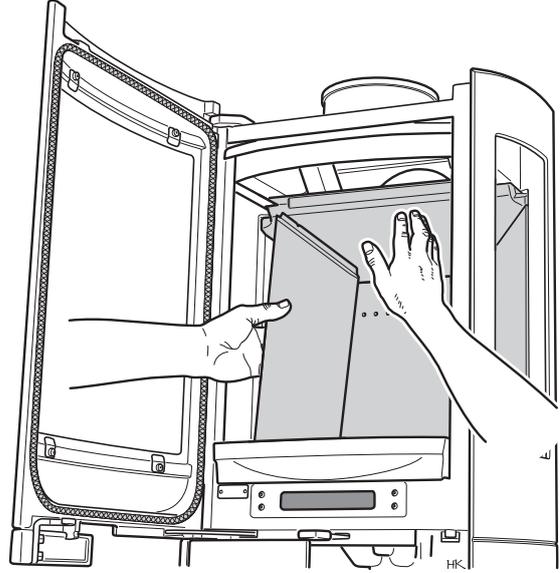
How to remove the fire bricks

Handle the vermiculite with care. Lift the smoke baffle with one hand whilst removing the sides. The side posts need not be removed when sweeping. Reinstall in reverse order

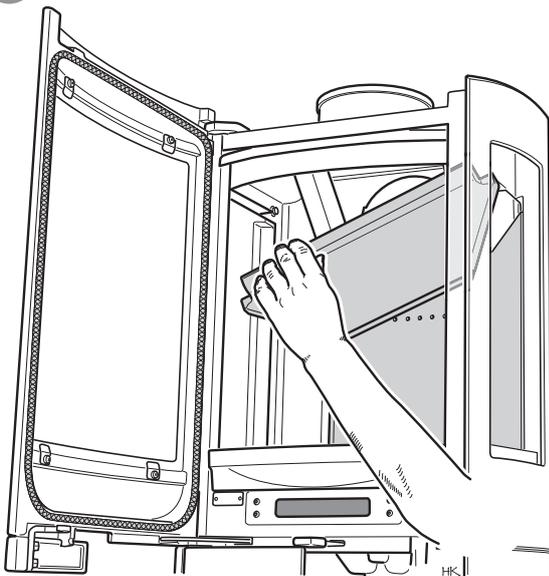
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Contura reserves the right to change colours, materials,  
dimensions and models at any time without special notice.  
Your dealer can give you the most up to date information.  
Stoves shown in brochures may have optional extras.