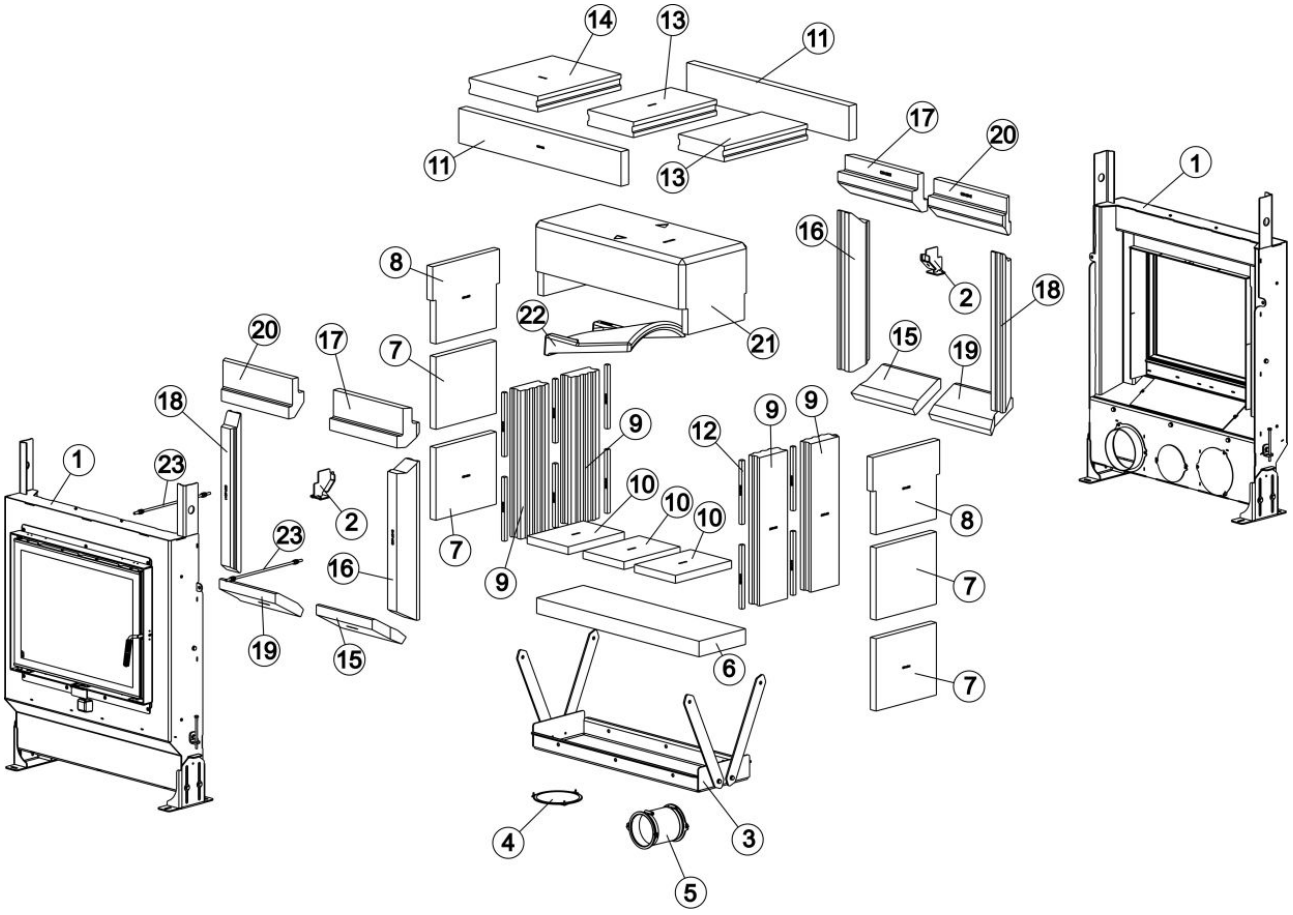
Short **instructions**

Masonry Heater Firebox Tunnel version 66x36 with GOT 51/67-ZL

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BRUNNER®

Components GOT 51/67-ZL with GOF Tunnel 66x36



Item	Part no.	Designation	Item	Part no.	Designation
1	G015008-01 /-02 /-03 /-04	GOT door assembly 51-67 ZL	2	G015142	Door stones retainer
3	G015047	Support frame Tunnel 66x36	4	I046127	Blind cap for combustion air connection
5	N003046	Flexible hose d=125x140	6	G015054	Base stone 850x244x60
7	G016066	External plate 316x285x30	8	G016083	External plate 300x350x30
9	G015052	Backwall stone 570x147x62	10	G015055	Combustion chamber bottom 294x215x30
11	G015031	Front stone	12	G013121	Spring
13	G015053	Base stone 240x436x60	14	G017093	Base stone 360x436x60
15	G015021	Right side wedge	16	G016040	Right front wedge
17	G015022	Right front wedge top	18	G016041	Left front wedge
19	G015041	Left side wedge	20	G015042	Left front wedge top
21	G015050	ISO hood 66x33 Tunnel	22	G015068	Deflector plate Part 2
23	G015061	Threaded rod assembly for GOT Tunnel			

The outer stones are clayed with Brunner Universal 600 mortar.

The stones of the firebox are processed with FM1300 mortar.

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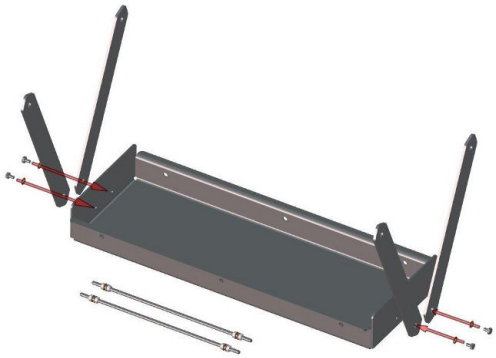
ASSEMBLY STEPS FOR THE TUNNEL VERSION

Assembly of the metallic basic unit.

Note: All necessary mounting screws are already installed in the components.

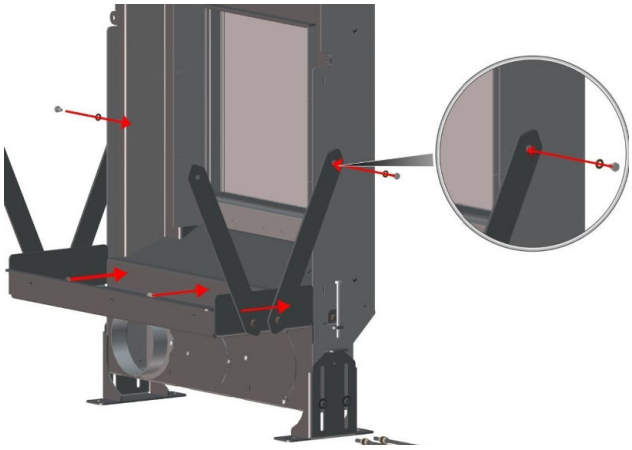
These instructions show the assembly of a masonry heater firebox Tunnel version with flat door as an example. The instructions are valid for all masonry heater fireboxes Tunnel version with flat doors.

1



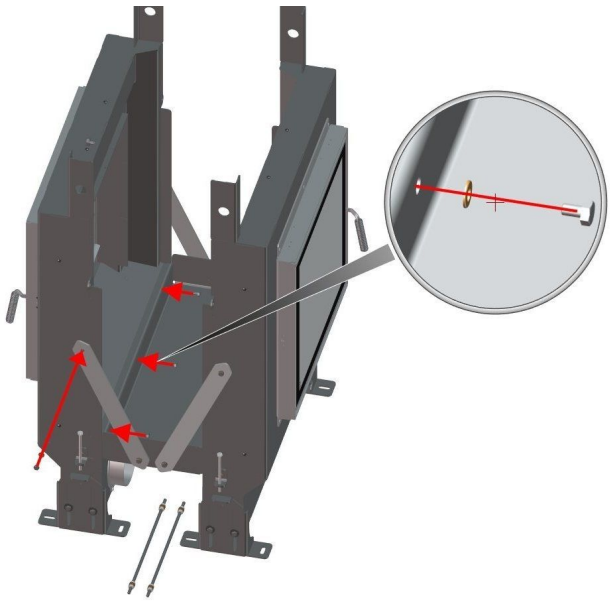
Mount the support frame and the gussets on the support frame.

2



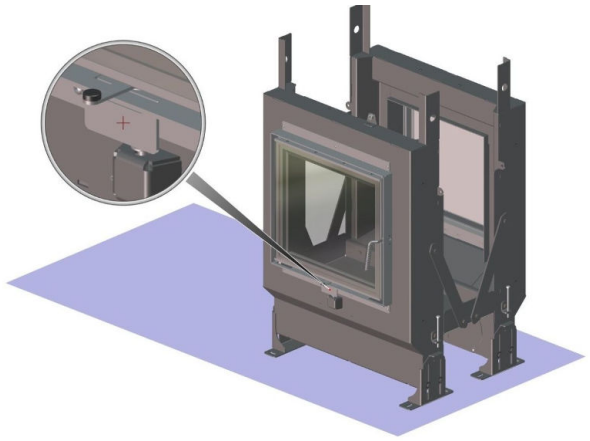
Combine support frame with door unit. Bolt the support frame with the door unit together.HINT: Use a counterweight in the rear part of support frame to avoid from accidental tipping over.

3



Connect both door units above the support frame.

4



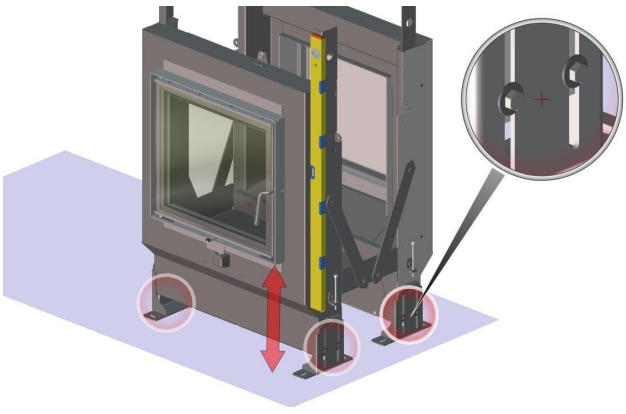
Draw the outline of the planned stove structure on the site of installation. Position the masonry heater door in order to allow an easy access for the operation of the controll element of the combustion air (with manual controll element).

5



The supplied door without air controller is equipped manufacturer-side with a sticker.

6



Adjust the mounting height (fine adjustment) of the door frame at the feet of the supporting frame.

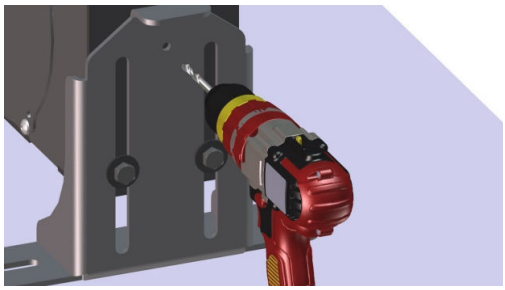
7



Prepare rivets. Four necessary rivets are attached in a separate pack.

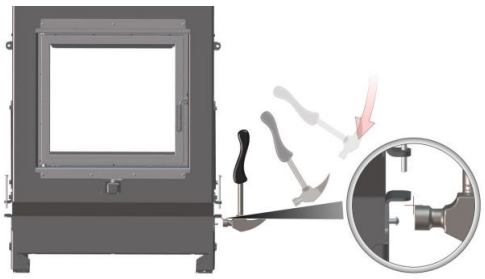
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8



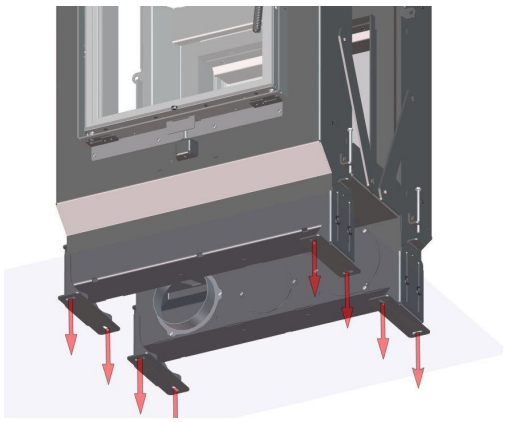
Using a 6 mm drill and a drilling jig which is already present on each feet, drill a hole through the air duct .

9



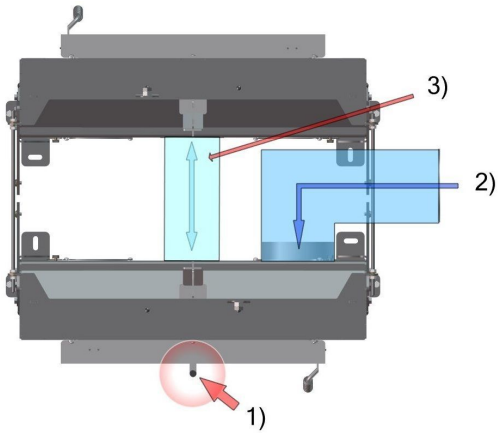
Drive the rivets into the holes with a suitable hammer. This is to secure the connection between the floor mounting brackets and the air duct part. It will keep the whole stove unit from slow "descending" with time.

10



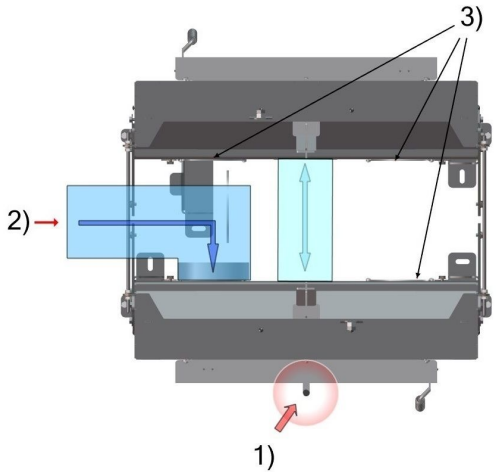
Attach the whole unit to the ground, using the eight possible mounting points on the floor mounting brackets. (dowels or heavy duty anchors are not included).

11



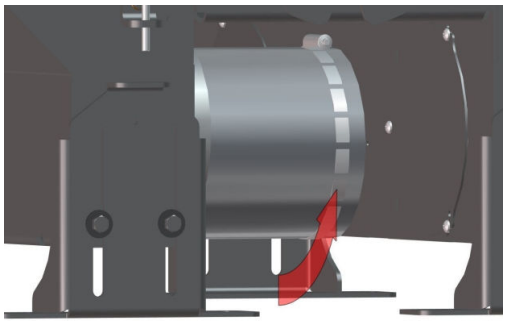
Create with the aluminium flexible pipe the air duct connection "3)" (Bypass)between the two doors. Then flange the supply air duct "2)" at the door with the air controller unit "1)". This way, the air supply can be controlled via the air passages in both door units from one location.

12



Connection of the supply air duct „2)“can be made left or right side. Please change blind flange„3)“ and air inlet „2)“ if necessary.

13



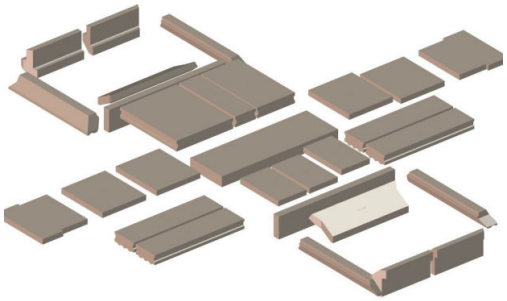
Secure the hose clamp!

ATTENTION for EAS/EOS: connect the air supply flap actuator and the necessary wiring according to EAS/EOS installation guide.

An installation note of the termperature sensor is provided below.

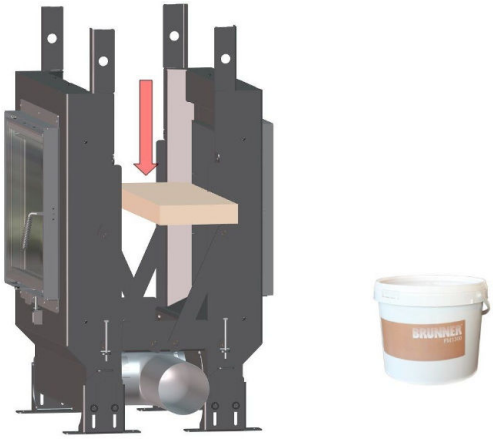
Assembly of the ceramic parts:

14

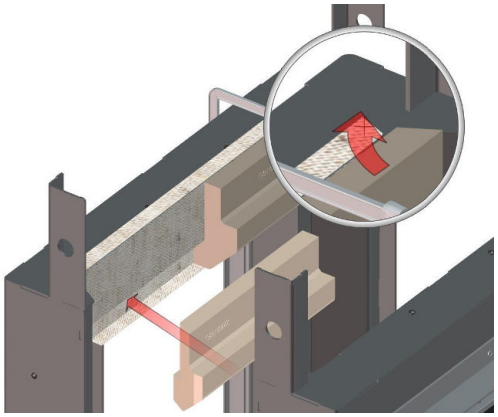


We recommend to lay out all combustion chamber parts on the floor before assembly. Doing so, it is easier to find the necessary gaps for compensation of dimensional tolerances between parts.

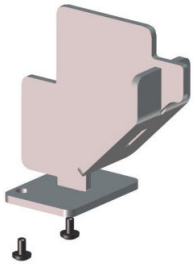
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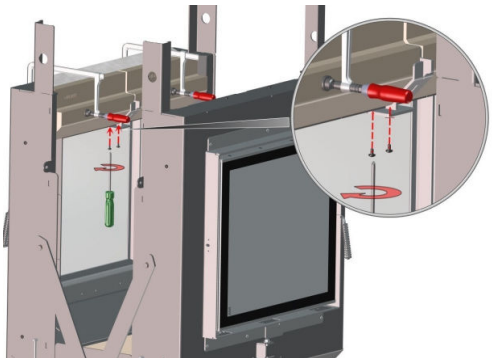
Embed the base stones inside the support frame onto a thick layer of FM 1300 firebox mortar. (Mortar thickness approx. 6 mm).



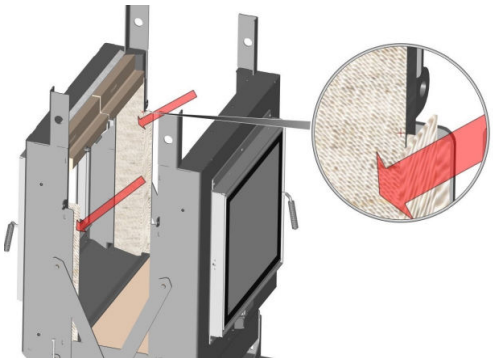
Set the stones around the door. Cut the ceramic fiber mat to proper length and put inside the door frame. The strap of ceramic fiber mat must protrude approx. 2 cm (0.79 inch) at the top/front (see picture). Front top wedges (left/right) are placed loose in the upper section and affixed with screw clamps.



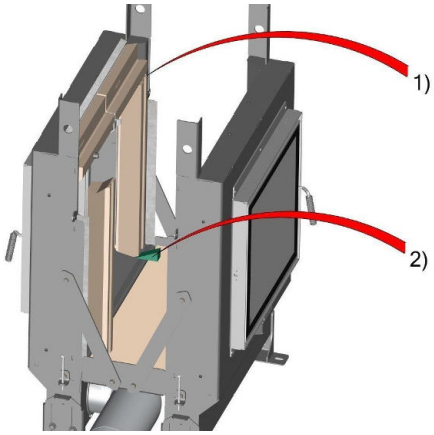
The two stainless steel elements for both doors (deflector plate holder)…



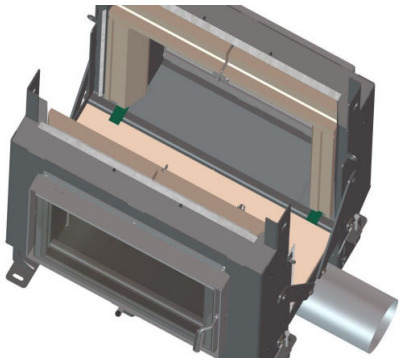
…are attached to the upper air duct with 2 screws. These will hold both front wedges in place too.



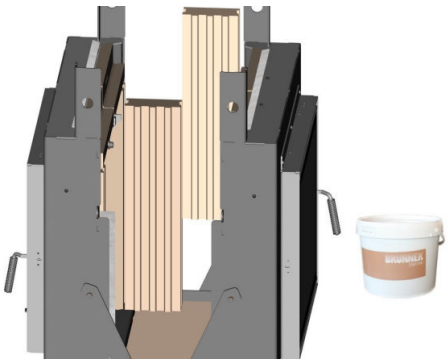
Put ceramic fiber mats on the left/right side.



Insert left/right front wedges. Fold the fiber mats inwards. On the contact faces "1)" to the top front wedges affix with FM 1300 mortar. At the same time put a piece of wood under front wedges "2)". This is to secure the front wedges in place, until the side wall stones will serve this function.

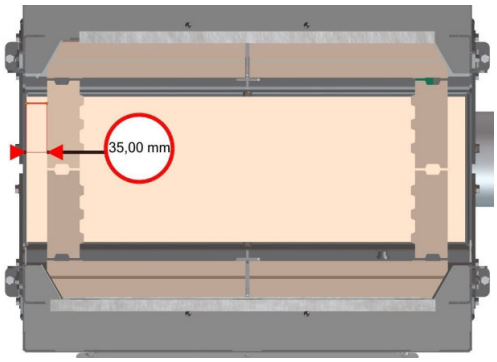


The stones for the opposite door unit are displaced as in door unit 1 by the same procedure.

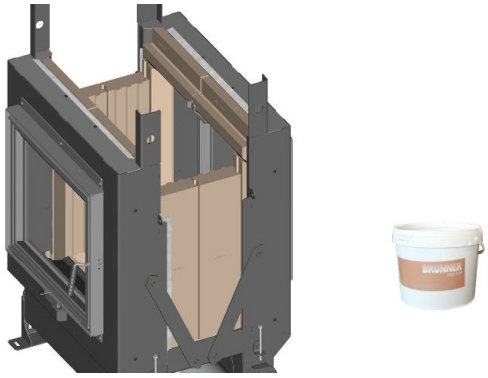


The stones of the combustion chamber are attached to each other with the FM 1300 mortar on the whole area of their contact faces.

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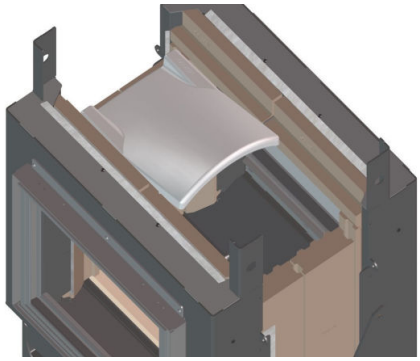


Attention: The stones of the combustion chamber must be placed at a distance of min. 35 mm to the support frame edge to easily accommodate the external shell plates (30mm thickness).



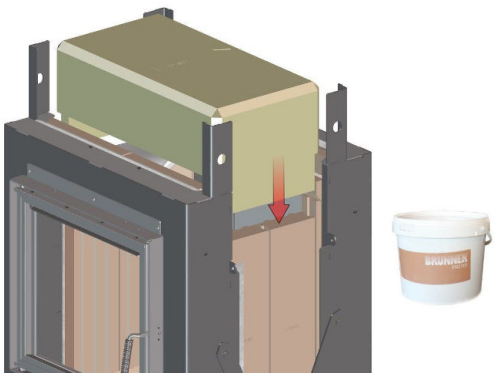
HINT: Excessive mortar must be removed clean from the visible areas of combustion chamber.

Placing of deflector plate and ISO hood:



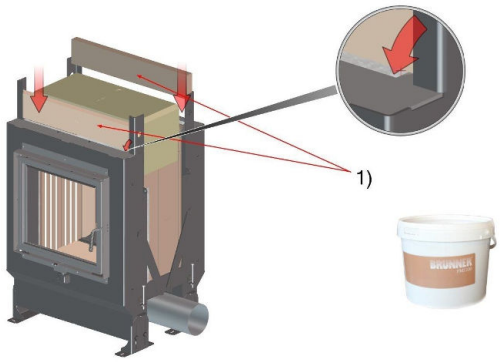
Put the deflector plate in place without using mortar and adjust its position.

Warning: The arched opening must point to the opposite side of the planned outlet opening.

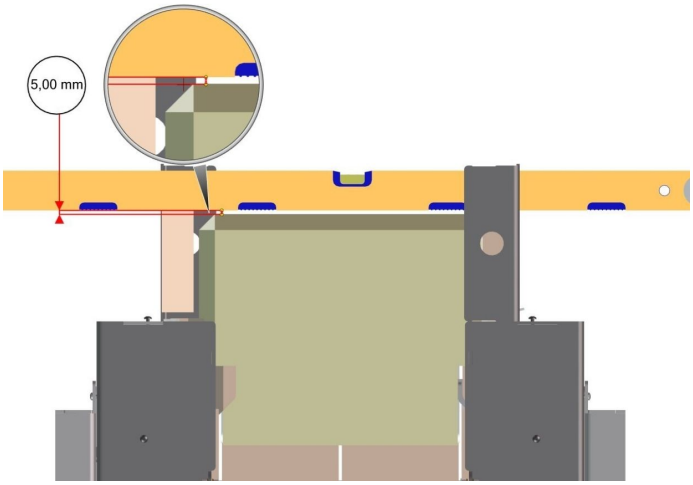


Set the ISO hood onto a thin equalizing stripe of FM 1300 mortar.

Attention: The deflector plate must remain free.

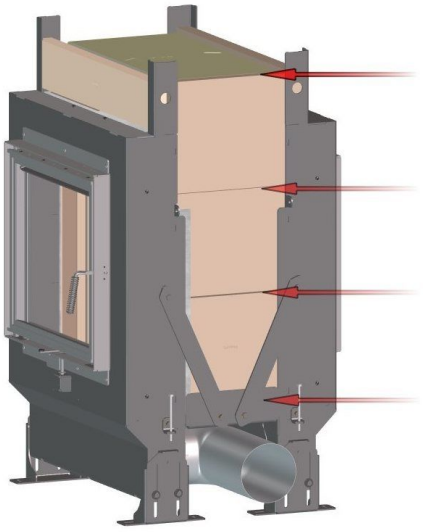


Fold the protruding piece of fiber mat on the air duct, to prevent from any direct contact between metal and fireclay. Now set the external front stones of both door units onto the 2-piece front top wedge "1)"with FM 1300 mortar.



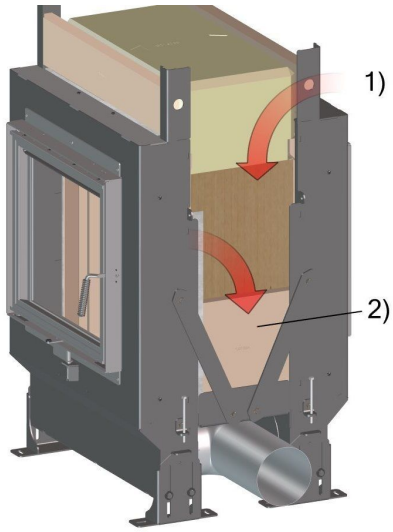
Attention: The upper edge of front stone must be in level with the ISO hood. Not lower!

The top cover plates must rest onto the upper edge of front stone and the external shell plates, **not** on the ISO hood.

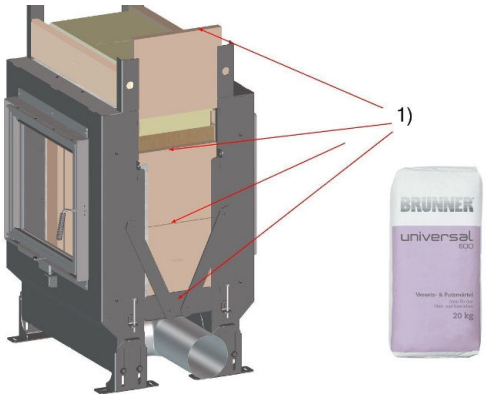


It is important to choose the right joint thickness (see arrows), to ensure that the external plates will finally reach the same level as the upper edge of front stone.

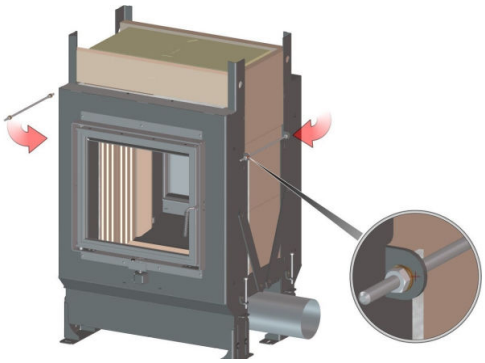
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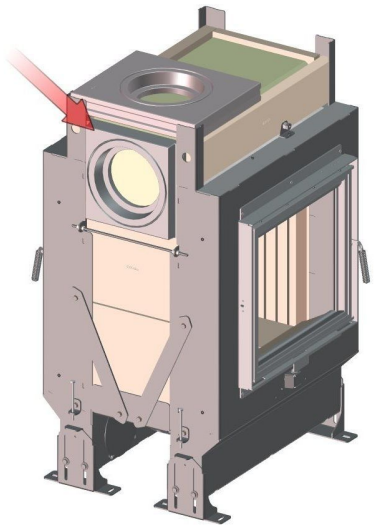
To ensure a double-layer structure, it is necessary to avoid any undesired adhesive connection "2)" between the internal and external shell by putting thin pieces of cardboard "1)" between them. This separating cardboard is removed at the end.



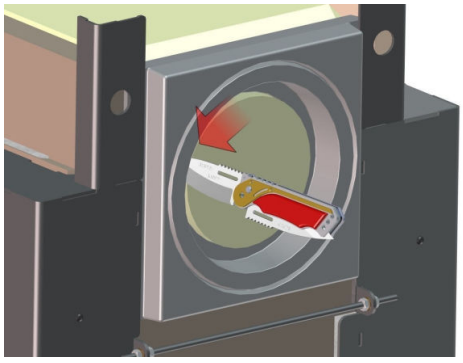
Attach the external plates to each other by applying a stripe "1)"of Universal 600 mortar on their contact faces. In the base area, set on a mortar joint too.



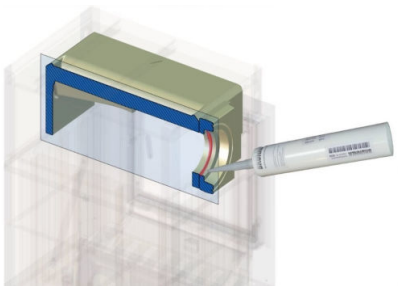
Insert the threaded rods on both sides. Important: measure the distances and adjust length exactly.



The outlet connecting block must be integrated into the external shell as planned - on side, or on top. The outlet connecting block is attached to the external shell with Universal 600 mortar.

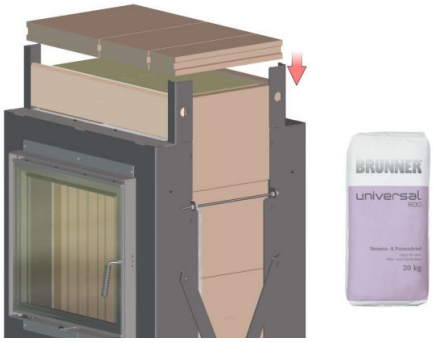


Through the outlet connecting block cut a hole into the ISO hood with a saw blade or knife. Hint: avoid unnecessary dust, if possible. Use a vacuum cleaner.



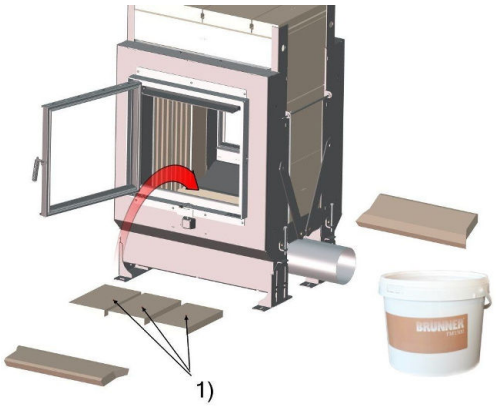
Important!

The gap between the outlet connecting block and the ISO hood must be filled with the attached high-temperature sealing paste (cartridge).

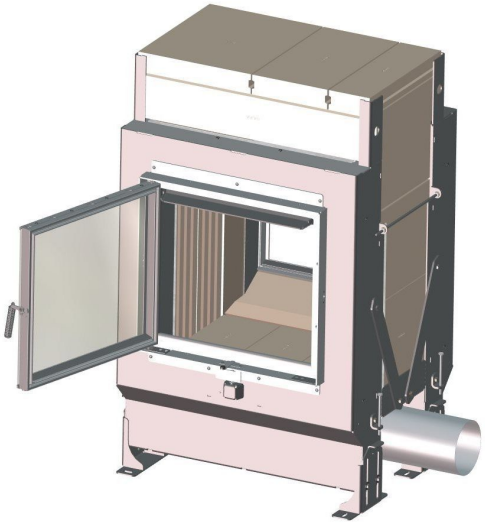


The top cover plates are now attached to the external shell plates with the Universal 600 mortar. The ISO hood stays dry underneath.

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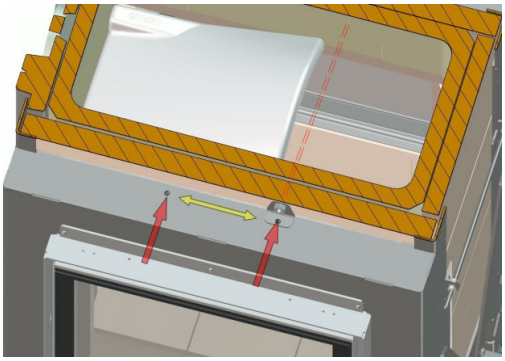


Sweep the combustion chamber clean before setting the bottom stones. Place these stones onto the FM 1300 mortar and fill the gaps between them.

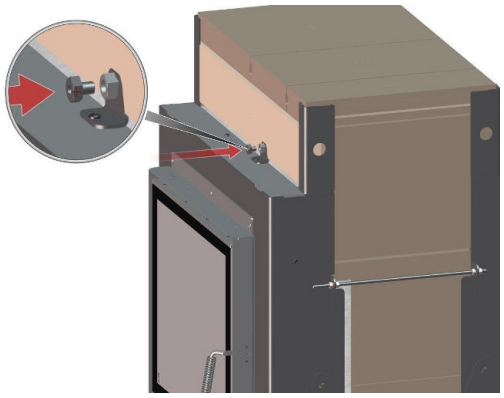


Done!

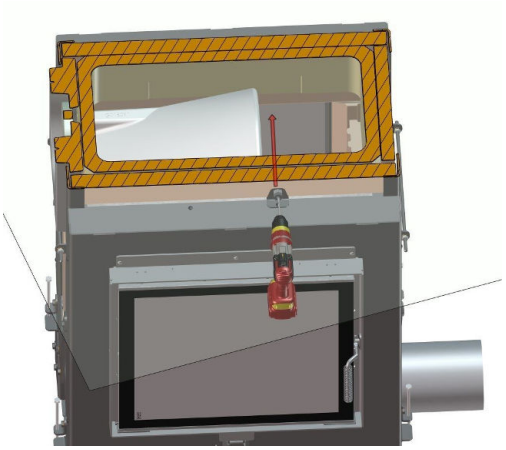
Annex for Installation at EAS or EOS



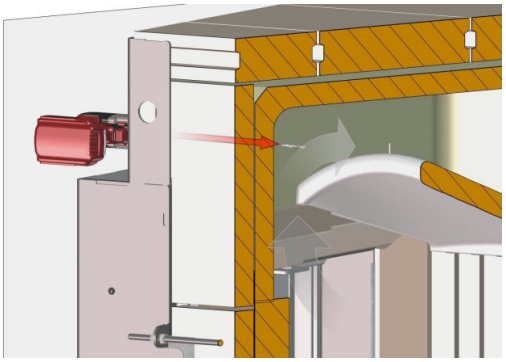
There are two possibilities for screwing the bracket of the temperature sensor. The respective correct position depends on the location of the deflector plate and of the orifice of the outlet. It is positioned at the point at which the deflector plate does not cover the firebox.



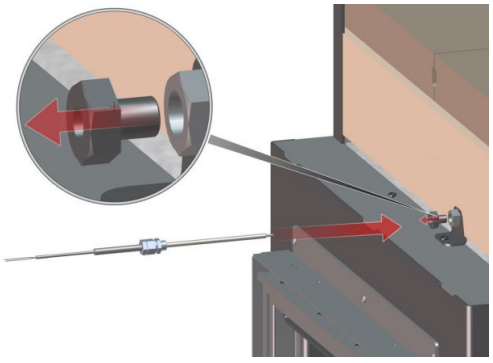
A hexagonal nut serves as a jig for carrying out the perforation of the front stone.



Make a hole with 8mm masonry drill bit. (Do not use the drill machine in shock mode).

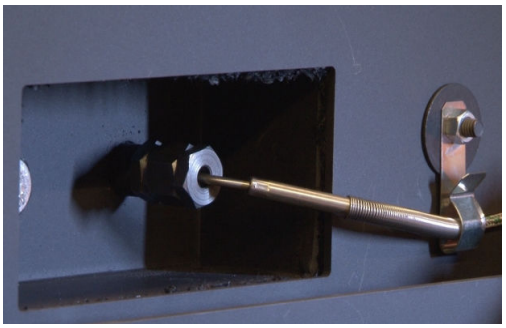


The whole must be carried out through the ISO-hood.



Remove the drilling jig. You can install now the temperature sensor.

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Temperature sensor can - if necessary - be bent once to 90 degrees.

Ulrich Brunner GmbH

Zellhuber Ring 17-18
D-84307 Eggenfelden
Tel.: +49 (0) 8721/771-0
Fax: +49 (0) 8721/771-100
Email: info@brunner.de

Art.Nr. : 200301