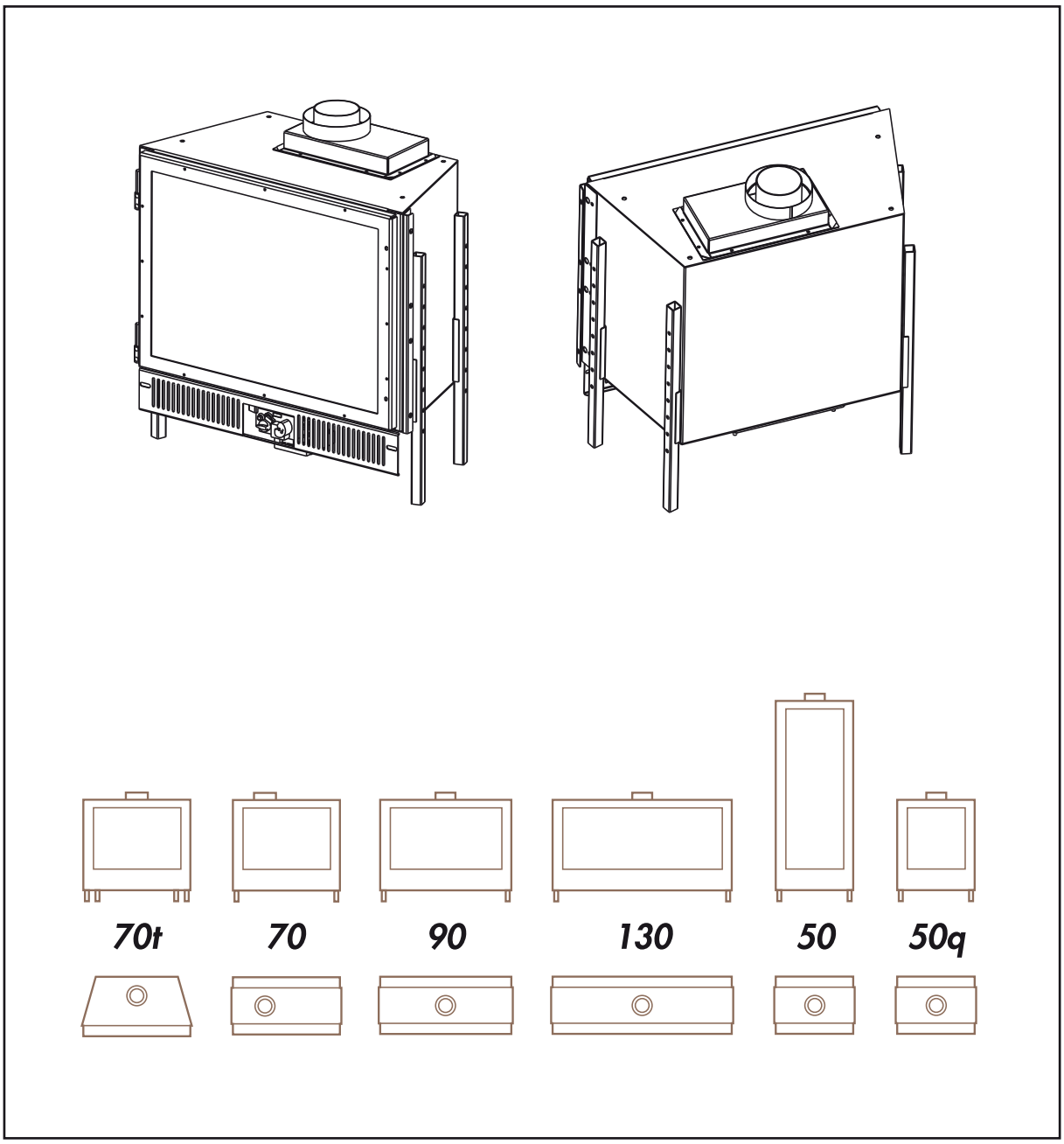
The appliance is supplied with:

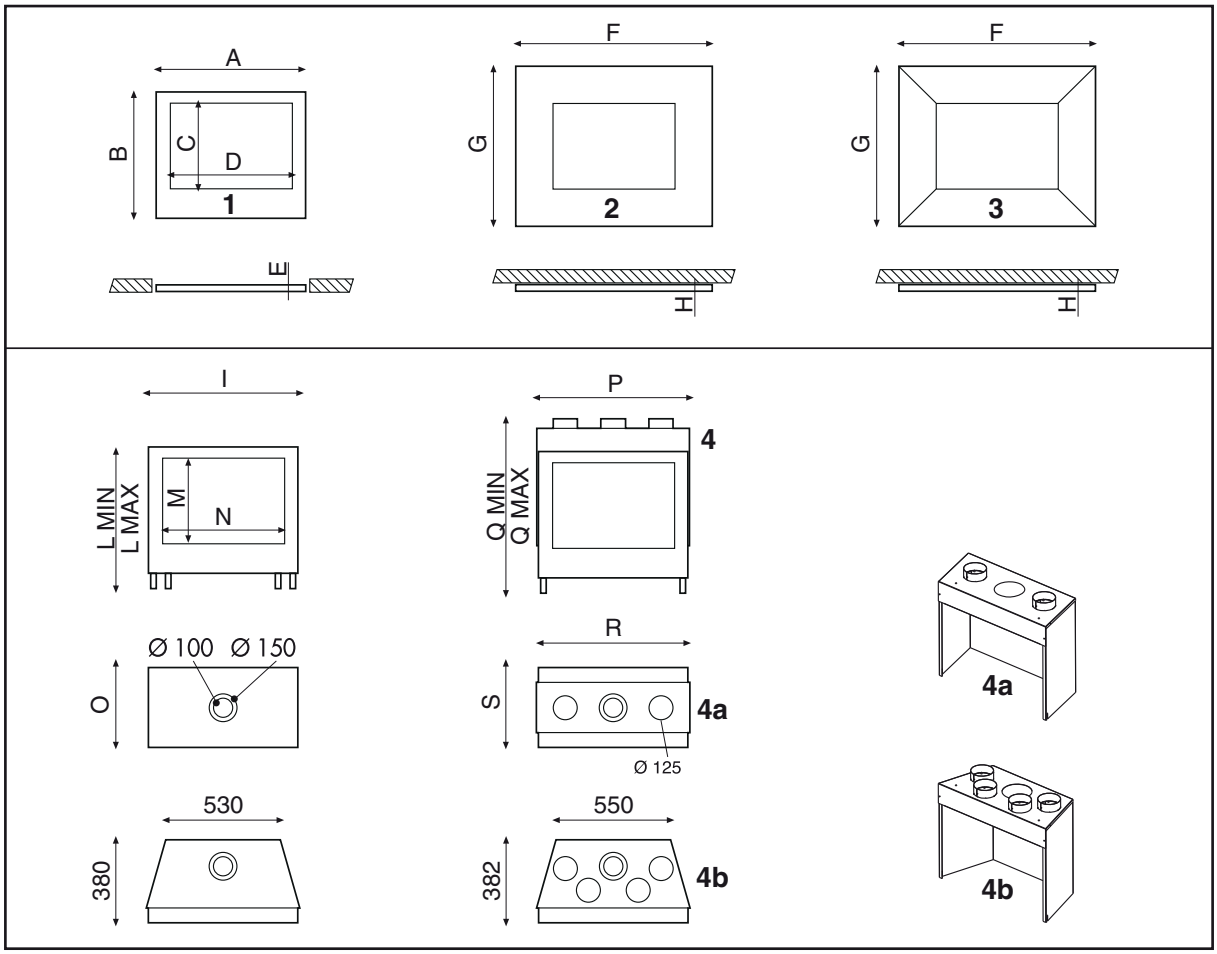
1 Appliance
1 Frame supporting structure
1 Standard On/Off remote control
1 Vermiculite top (mod. 70 only)
1 KIT A, B or C:
- KIT A: ceramic billets plus one bag of ashes
- KIT B: one river pebble pack
- KIT C: one pack of small ceramic wood pieces
1 Document pack:
1 User instruction booklet
1 Installer booklet
1 Warranty certificate
1 Warranty labels



WEIGHT & DIMENSION

To install this Appliance, the most suitable PIPES are required for the type of combustion air inlet and fume exhaust to be made.
The manufacturer supplies all necessary accessories, presenting different technical and aesthetic solutions for the personalisation of the various models.

Key:
1) FRAME recess monobloc, in aluminium or S/S
2) FRAME relief monobloc, in aluminium or S/S
3) FRAME relief in 4 parts, in aluminium or S/S
4) CASING for hot air flow

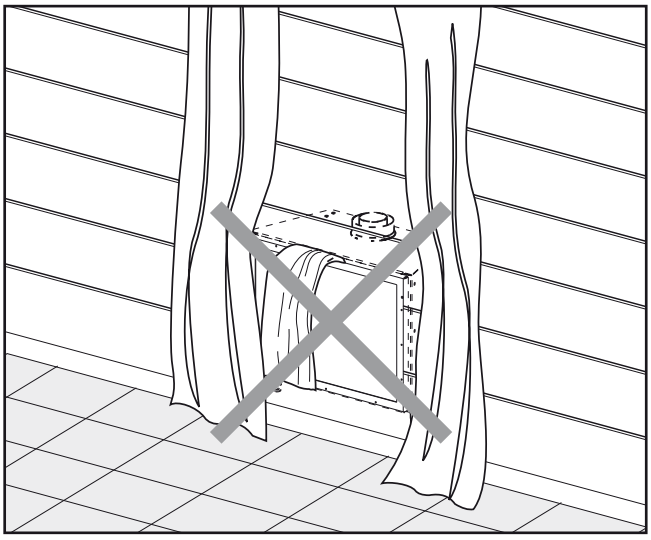


	insert 70t	insert 70	insert 90	insert 130	insert 50	insert 50q	
A	768	768	911	1444	503	503	mm
B	643	643	526	526	1311	600	mm
C	440	440	290	290	1061	363	mm
D	622	622	774	1307	363	363	mm
E	24	24	24	24	24	24	mm
F	1028	1028	1174	1707	763	763	mm
G	843	843	690	690	1461	763	mm
H	22	22	22	22	22	22	mm
I	770	770	940	1480	510	510	mm
L (min/max)	730/950	730/950	730/950	730/950	1490/1710	510/730	mm
M	445	445	290	290	1085	375	mm
N	640	640	790	1325	375	375	mm
O	-	350	350	350	350	350	mm
P	790	790	960	1500	530	530	mm
Q (min/max)	880/1100	880/1100	880/1100	880/1100	1640/1860	660/880	mm
R	-	770	940	1480	510	510	mm
S	-	350	350	350	350	350	mm
kg	00	00	00	00	00	00	-

GENERAL INFORMATION

This appliance is sealed from the surrounding environment in which it is installed and consequently combustion air is only aspired from outside!
- When installing, NEVER use accessories or component parts not approved by the Manufacturer, as these could be very dangerous.
- DO NOT allow the power cable (if present) to come into contact with hot surfaces such as, for example, the air vents or fume exhaust pipes.

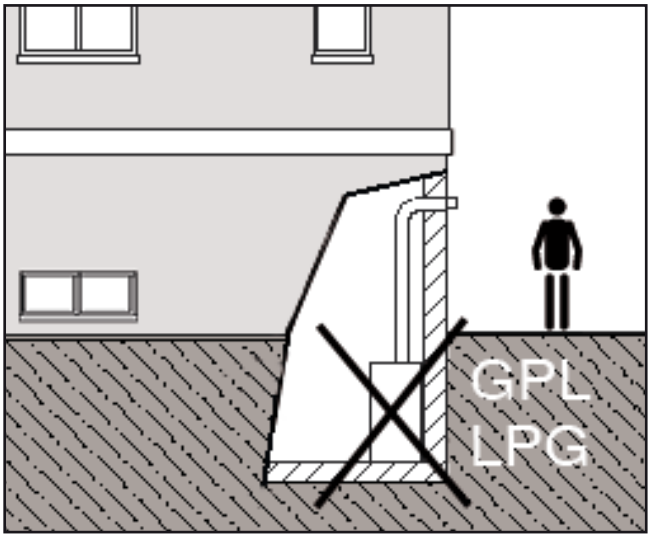
After installation, the fitter is obliged to inform the user what to do during appliance operation:
- NEVER place curtains, towels and the like on the appliance as this could be the cause of malfunction and danger and prevent the correct circulation of air in the room.
- DO NOT obstruct the suction/exhaust ends of the appliance with washing put out to dry or carpets.



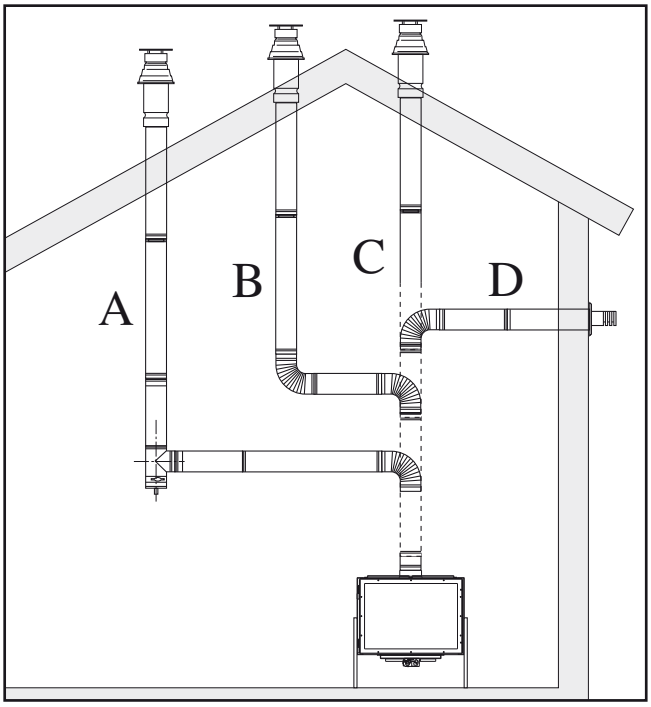
POSITIONING THE APPLIANCE

Installable in any type of premises except garages and combustible or inflammable material warehouses. The place of installation does not require vents but must be able to be ventilated with doors or windows communicating with the outside and which can be opened.

⚠ **In the case of LPG appliances, these cannot be installed in premises which have floors below the outside walk-on surface or communicating with such type of environment.**



Before proceeding with the masonry works, make sure the floor has adequate load-bearing capacity and that there is room enough for the correct operation of the gas Appliance as well as its maintenance.
Make sure the wall on which the appliance is fastened is able to support its weight.
Make sure there is no wood matchboard, plastic material, etc., that is not heat resistant and which could come into contact with the fume exhaust pipes (see examples A - B - C - D).
The wall on which the appliance is fastened must be able to resist the high temperatures of the exhaust pipes (about 180°C), otherwise an inter-space will be to be created around the pipe, to be insulated with materials suitable for the temperatures or a hole will have to be made having a diameter increased by at least 4 cm with respect to the pipe.



Installing the Appliance in spare bathroom areas or close to water dispensers is forbidden.
These particular installations require special protections in compliance with applicable Electric Safety standards.

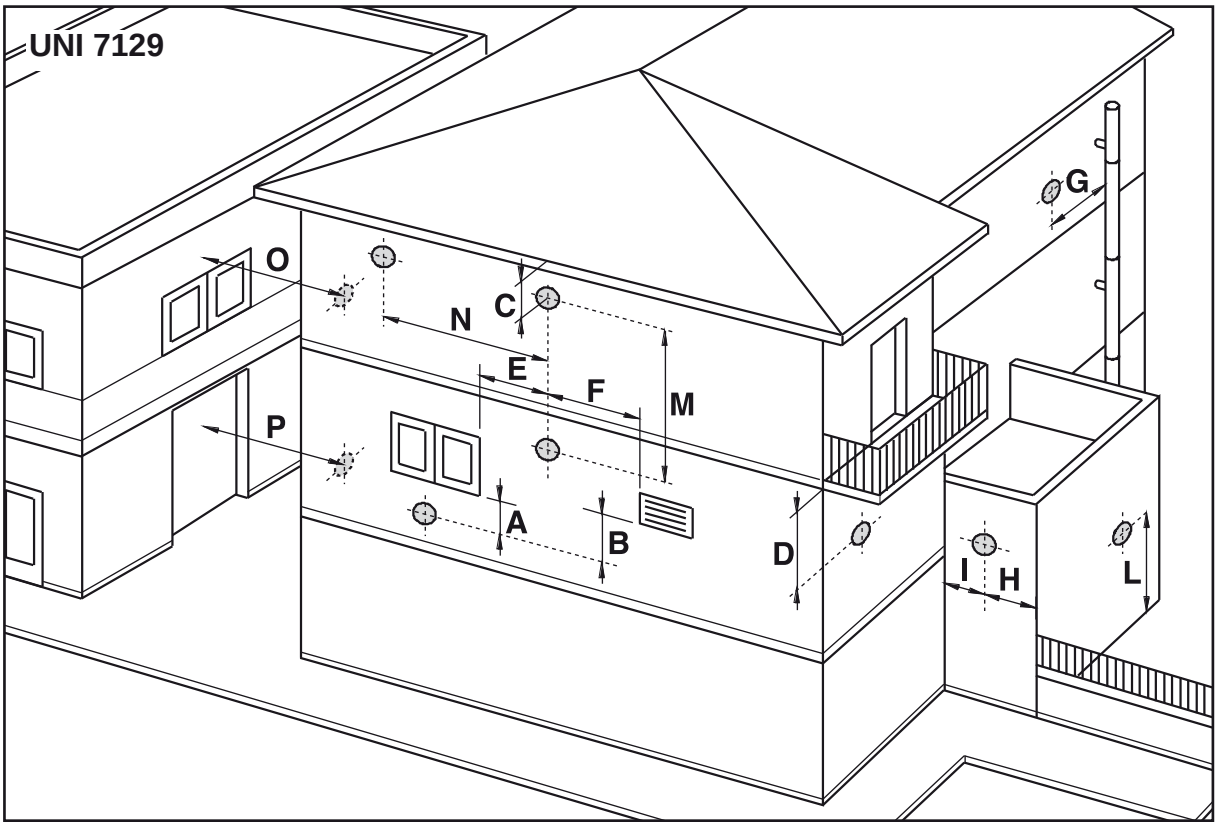
Gas supply
The correct operation of the appliance also depends on the size of the pipes:
- see UNI7131 4.1.1 with app. A
- see UNI7129 3.1 with app. A.

WALL EXHAUST (Distances to be observed)

Fume exhaust
The exhaust can be selected between two types:
- wall
- roof.

For both, make reference to the provisions of UNI 7129 standard and local regulations.

⚠ **Correctly assemble and position the exhaust pipes, any curves and the end piece so as to create a stable and rigid whole.**



POSITIONING THE END PIECE (UNI 7129)	MINIMUM DISTANCE	Nominal heat input over 7kW up to 16kW
Under window	A	150 cm
Under air vent	B	150 cm
Under drainpipe	C	40 cm
Under balcony (*)	D	40 cm
From adjacent window	E	40 cm
From adjacent air vent	F	60 cm
From vertical or horizontal pipes or exhausts (**)	G	30 cm
From a corner of the building	H	50 cm
From a recess of building	I	50 cm
From ground or other walk-on surface	L	150 cm
Between two end-pieces, vertically	M	150 cm
Between two end pieces, horizontally	N	50 cm
From a nearby front surface without openings or end-pieces within a radius of 3 m from fume outlet	O	100 cm
Idem, but with openings or end-pieces within a radius of 3 m from fume outlet	P	190 cm

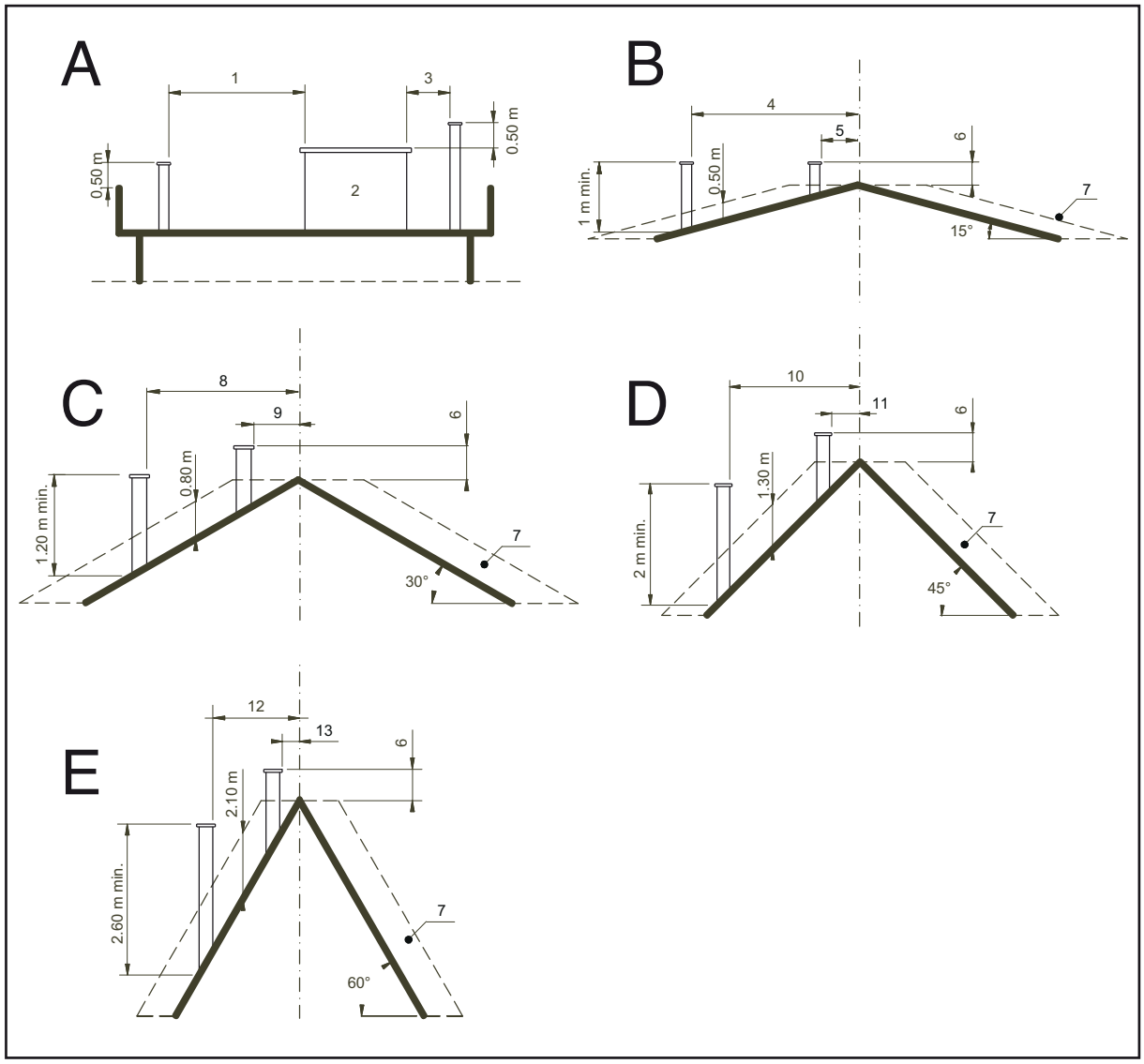
(*) The end-pieces underneath a used balcony must be positioned so the fume path covers at least 2 metres from the exit point of the end-piece to their outlet from the outer perimeter of the balcony, including the height of any closed protection railing.
(**) When positioning the end-pieces, a distance of not less than 50 cm must be adopted from materials sensitive to the action of the combustion products (e.g., plastic drainpipes, protruding wood elements, etc.). For shorter distances adopt adequate screening to protect such materials.
(***) Reducible to 400mm for heating appliances installed underneath windows.

ROOF EXHAUST (distances to be observed)

To position a roof exhaust, always make reference to the provisions of UNI 7129 standard and to local regulations.

Types of roofs:
A - Flat roof
B - 15° roof
C - 30° roof
D - 45° roof
E - 60° roof

Key
1 - Distance >5m
2 – Technical volume
3 - Distance ≤5m
4 - Distance >1.85m
5 - Distance ≤1.85m
6 – 0.5m beyond the top
7 – Reflow area
8 - Distance >1.30m
9 - Distance ≤1.30m
10 - Distance >1.50m
11 - Distance ≤1.50m
12 - Distance >1.20m
13 - Distance ≤1.20m

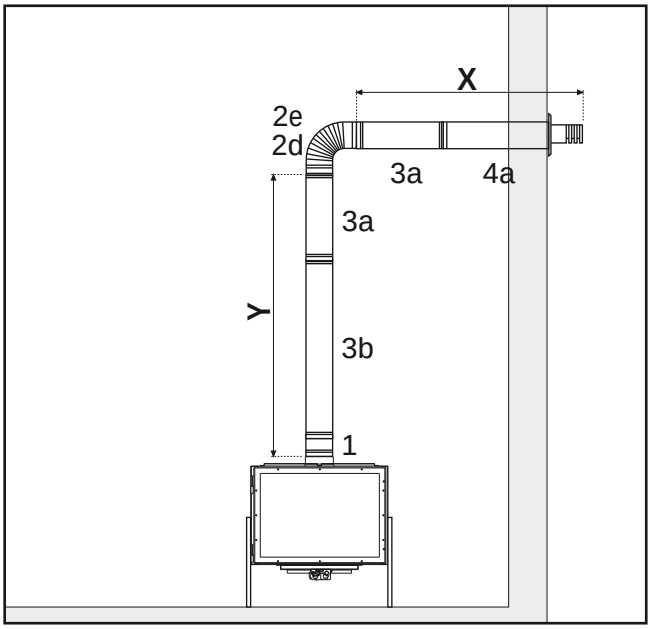


TYPES OF FUME EXHAUST

- WALL EXHAUST with curves

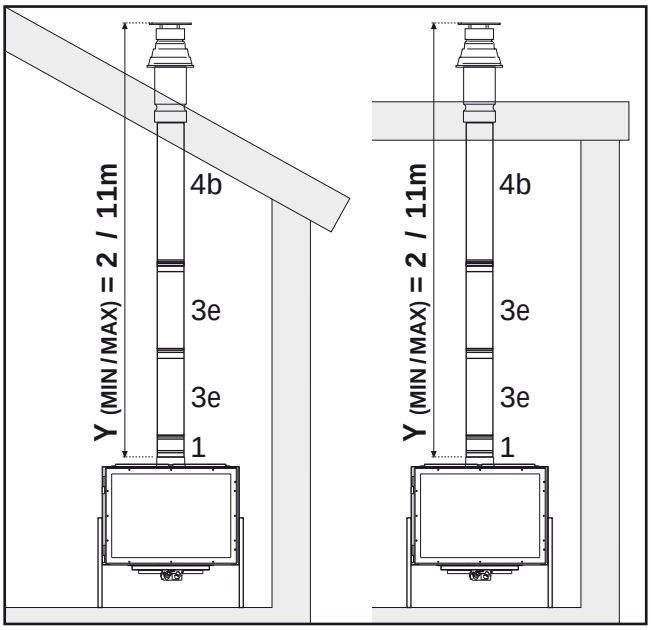
case	*VERTICAL length (Y)*	*HORIZONTAL length (X)*	
A (MIN/MAX)	0,5 / 1	0 / 0,6	m
B (MIN/MAX)	1 / 3	0,6 / 3	m

Never fit a curve directly on the Appliance. Always use the coaxial CONNECTION (1) together with a straight section (MIN 500 mm) to prevent malfunctions or any damage.



- ROOF EXHAUST without curves

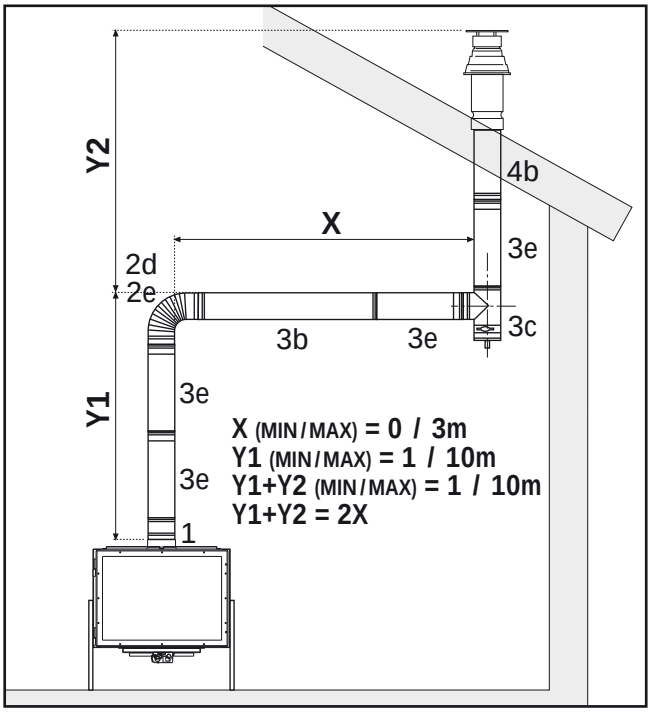
In the case of a vertical pipe, operation is assured for all lengths between 2 and 11 meters, measured from the fume outlet of the appliance through the end-piece.



- ROOF EXHAUST with curves

In the case of pipes with vertical and horizontal sections:
- the horizontal section X can be MAX 3m;
- the horizontal section X must be preceded by a vertical section Y1 MIN 1m;
- the sum of the vertical sections Y1+Y2 must be MIN 1m and MAX 10m;
- the sum of the vertical sections Y1+Y2 must be at least double the horizontal section X;

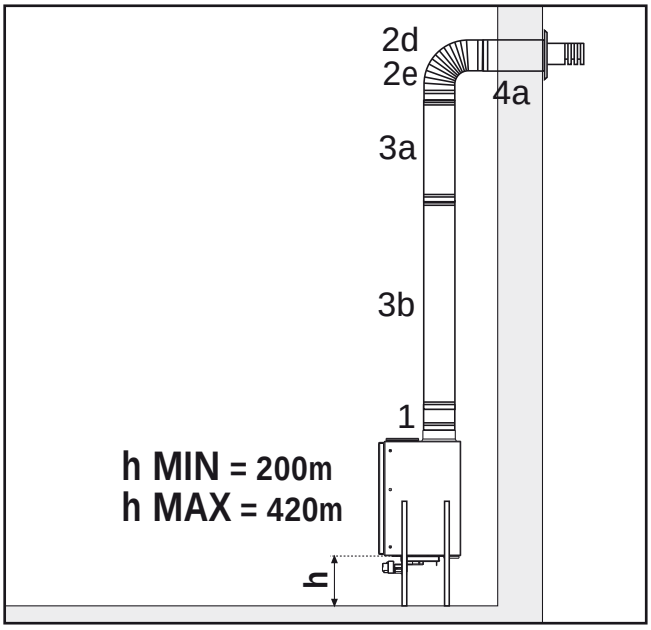
The pipe configuration must use MAX 2x90° curves and MAX 4x 45° curves.



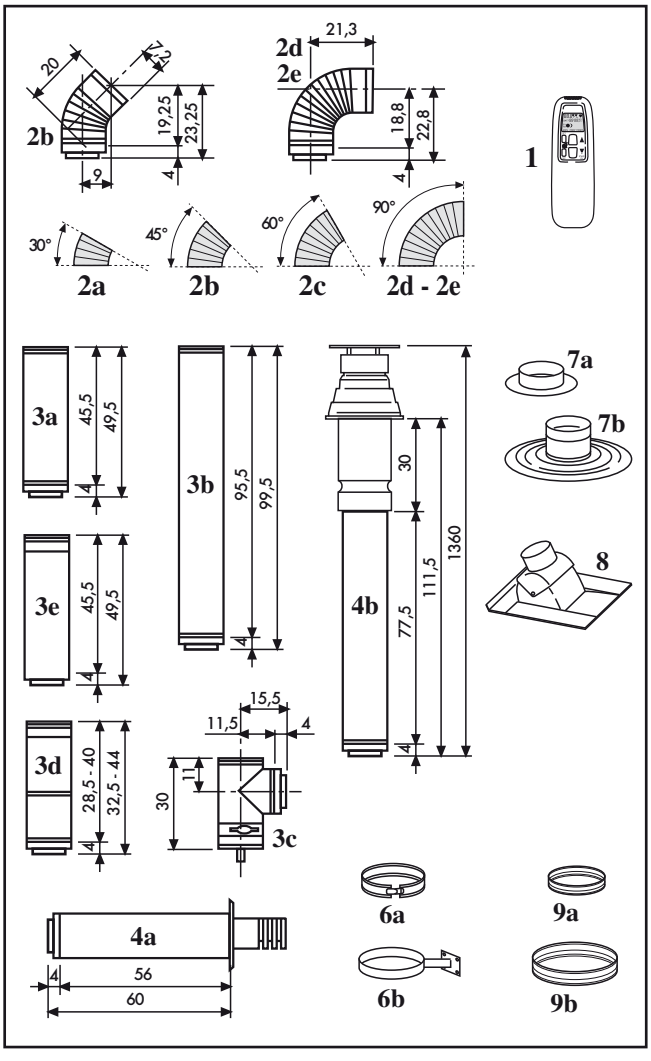
POSITIONING THE APPLIANCE

The illustration shows the exhaust position so that, according to the positioning of the exhaust end-piece, the necessary pipes can be calculated (see "Wall exhaust", "Roof exhaust" and "Safety distances" restrictions.)
The height of the Appliance (h) off the ground is not fixed, but can be selected according to aesthetic preference or to avoid any installation problems.

⚠ **When calculating height, always add 9 cm for the adapter.**
Seal each coupling with relevant silicone seal plus clamp.
Eliminate 4cm for each coupling, from total pipe length (the coupling on the outer part of the pipe is 2.5 cm).



DIMENSIONS OF PIPES AND CURVES FOR FUME EXHAUST
Alongside are the accessories listed in the Manufacturer's catalogue for making up the Appliance's fume Suction and Exhaust pipes.
A number of significant piece dimensions have also been included to make it easier to make a first dimensional calculation of the pipe.



Key:
1) Remote display
2a) CURVE coaxial 30° (Outside = Ø150, Inside = Ø100)
2b) CURVE coaxial 45° (Outside = Ø150, Inside = Ø100)
2c) CURVE coaxial 60° (Outside = Ø150, Inside = Ø100)
2d) CURVE coaxial 90° (Outside = Ø150, Inside = Ø100)
2e) CURVE coaxial 90° with inspection (Outside = Ø150, Inside = Ø100)
3a) PIPE coaxial 50cm (Outside = Ø150, Inside = Ø100)
3b) PIPE coaxial 100cm (Outside = Ø150, Inside = Ø100)
3c) PIPE coaxial "T" with inspection (Outside = Ø150, Inside = Ø100)
3d) PIPE telescopic 35,4 - 44cm (Outside = Ø150, Inside = Ø100)
3e) PIPE coaxial can be shortened 50cm (Outside = Ø150, Inside = Ø100)
4a) END PIECE wall exhaust 60cm (Outside = Ø150, Inside = Ø100)
4b) END PIECE roof exhaust 136cm (Outside = Ø150, Inside = Ø100)
6a) CLAMP quick fastening Ø150
6b) CLAMP wall fastening Ø150
7a) FLANGE universal wall fastening Ø150
7b) FLANGE aluminium roof pad (converse)
8) TILE inclination outlet 20° - 45°
9a) SEAL silicone Ø100
9b) SEAL silicone Ø150

SAFETY DISTANCE

The Appliance can be installed with or without the accessory casing (1).
This accessory, designed to channel the hot air in the room to be heated, also acts as heat insulation between the appliance and any inflammable walls.

A) INFLAMMABLE WALLS

Two types of installation are possible:

- Standard appliance: with wall linings and non-combustible heat insulation (2).
Install wall linings made of heat insulating material (e.g. plasterboard) 100 mm thick.

⚠ **Always leave a 50 mm air inter-space between the Appliance and the wall lining.**

If walls, floors or roofs are crossed made of material sensitive to heat or inflammable, contact must be avoided with the exhaust pipe by using suitable high-temperature heat insulation (3) (mineral wool or glass wool insulator, etc.) or air inter-space (3).

- Appliance with casing (optional): without insulating wall.

⚠ **Always leave a 5 mm air inter-space between the casing and the wall.**

B) NON-INFLAMMABLE WALLS

Two types of installation are possible:

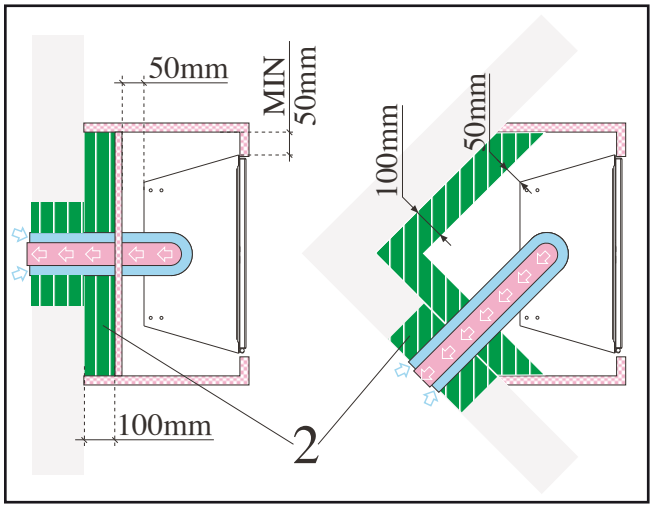
- Standard appliance: without wall linings and non-combustible heat insulation.

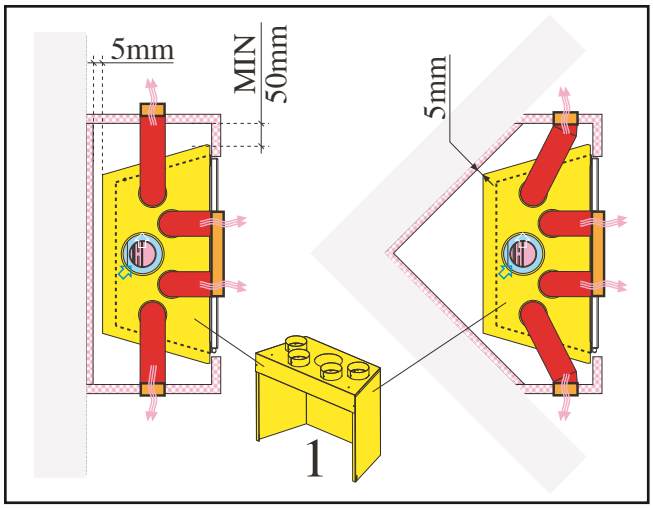
⚠ **Always leave a 50 mm air inter-space between the appliance and the wall.**

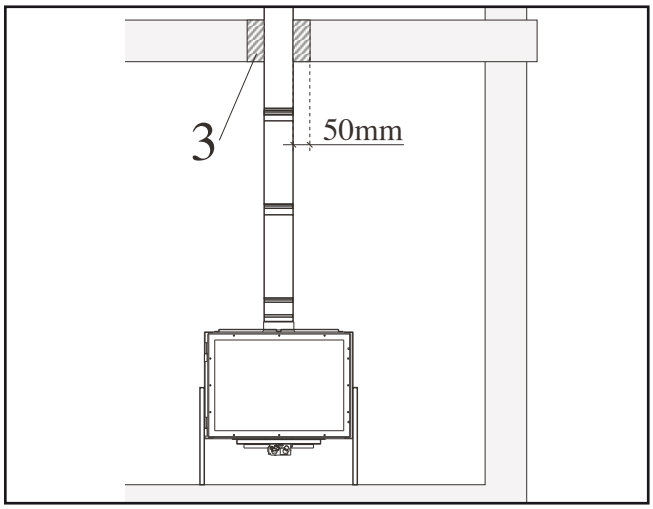
If non-inflammable walls are crossed, contact must be avoided with the exhaust pipe by creating a suitable inter-space (3) to be filled with non-inflammable materials that are non-deformable and have reduced heat-transmission capacity (e.g., light concrete). Alternatively, the pipes can be shielded by means of suitable insulation pipes (4).

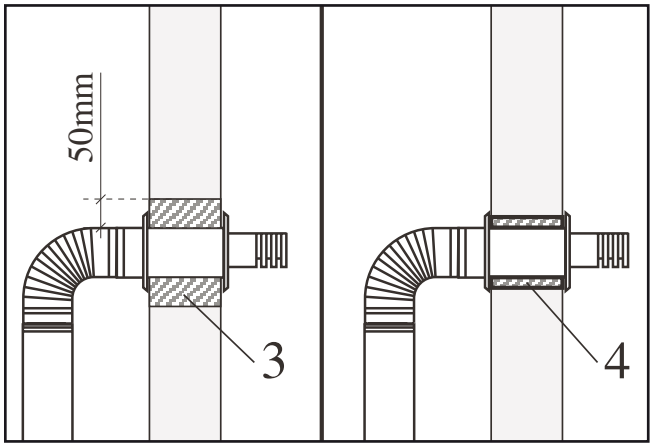
- Appliance with casing (optional): without insulation wall.

⚠ **Always leave a 5 mm air inter-space between the casing and the wall.**



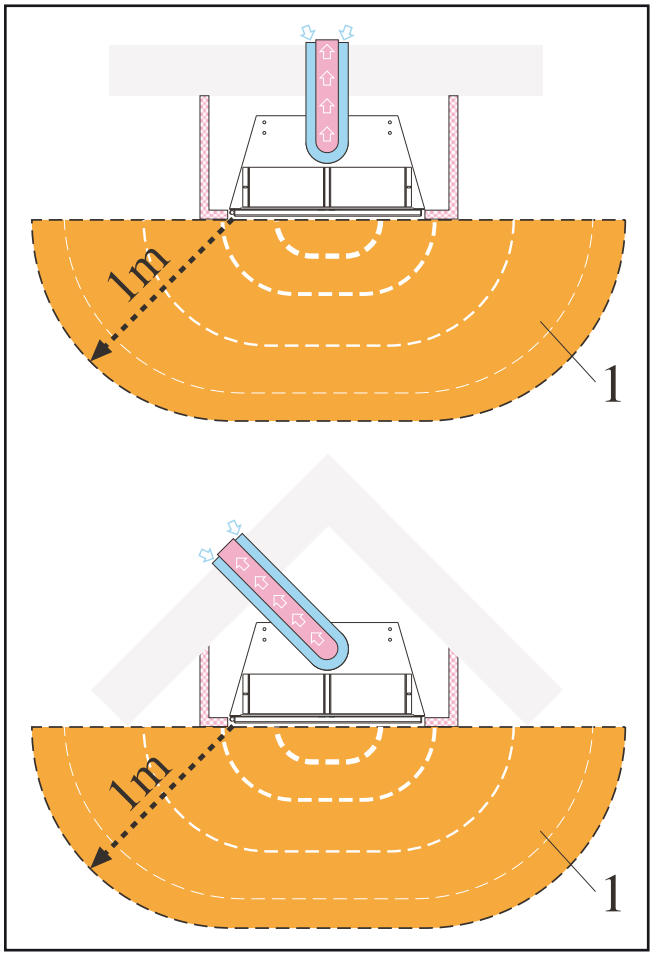






IRRADIATION AREA

⚠ **Maintain a safety distance of at least 1m (1) between the appliance and objects made of combustible or inflammable material: wood furniture and furnishings, objects and curtains, etc.**
Never move the Appliance close to or in direct contact with combustible materials, heat-sensitive materials or inflammable materials; furniture, beams, ceilings, curtains etc.

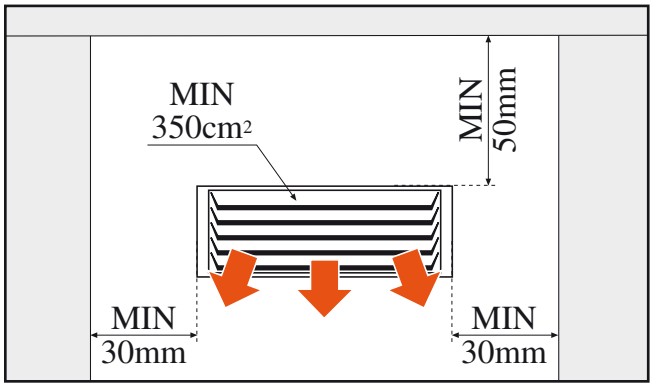


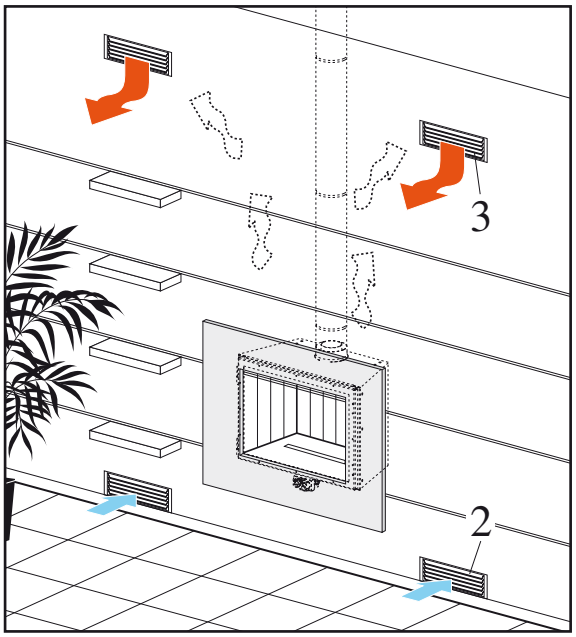
Wall lining and decorative covering

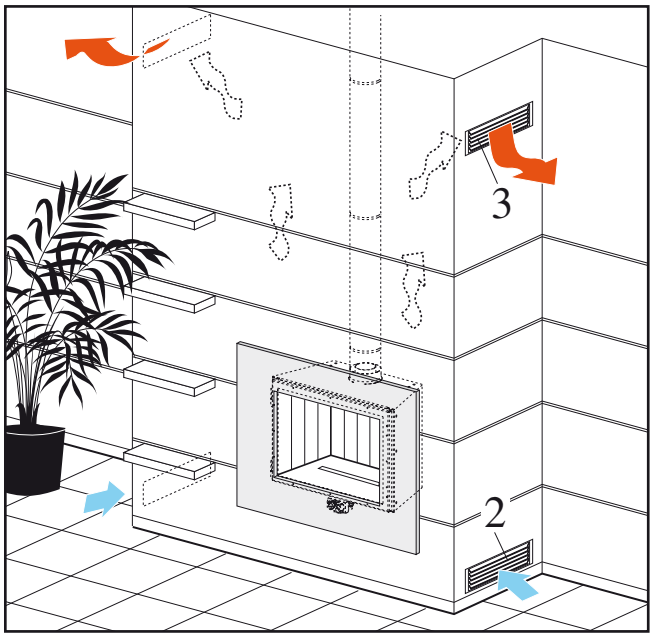
To allow the heat generated by the Appliance to exit, some vents must be fitted on the wall lining that cannot be closed, having a surface area of at least 350cm² each and which allow, at the top, the aspiration of the cold air and, at the bottom, the distribution of the hot air.
For any aesthetic requirements, each vent can be replaced by other smaller ones, as long as the sum of their surface area is not below 350cm².
Position the vents in the lower part (2), just above the floor and the others (3) in the top part (MIN 50 cm from ceiling and 30 cm from sides).
With ceiling height 3 m, the above 50 cm can be reduced to 30 cm.

⚠ **Before completing all the covering, always check: position and fastening of the Appliance, the definition of all connections (gas and electricity) and correct operation.**

⚠ **Always provide an easy to remove area on the opposite side or covering to allow any inspections, cleaning or repair of hidden areas.**





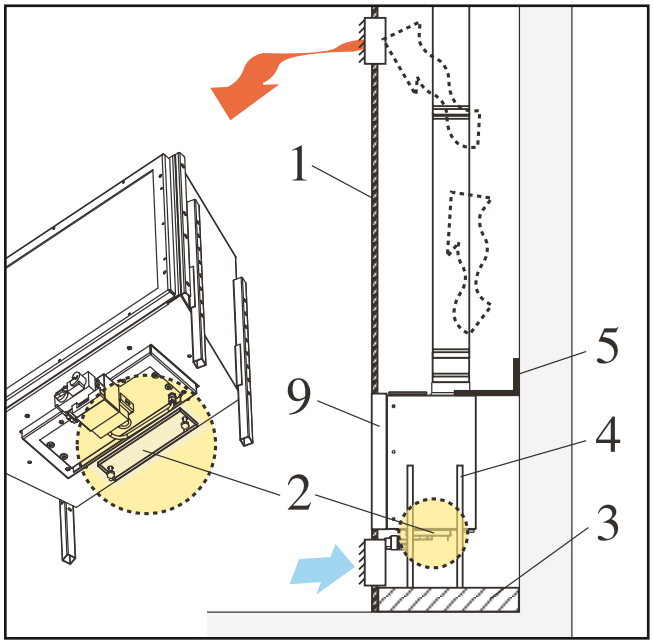


INSTALLATION

Choose the installation area taking into account that inside the wall linings (1) very high temperatures occur.

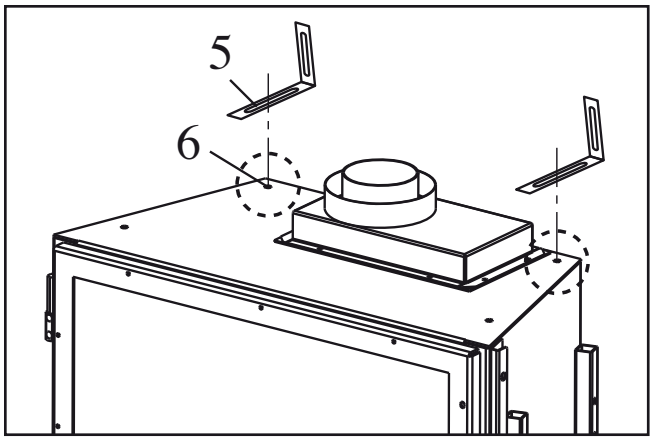
⚠ **Before going ahead with installation, make sure the data in the Appliance plate correspond to the gas supply type and pressure.**
Only skilled personnel should make the gas connections in compliance with applicable regulations.
Make sure the gas supply pipe is of suitable capacity and that it features an easy-to-access on/off tap close to the fireplace.

⚠ **Make sure the space under the anti-explosion door (2) is always free of any objects that could prevent its opening.**



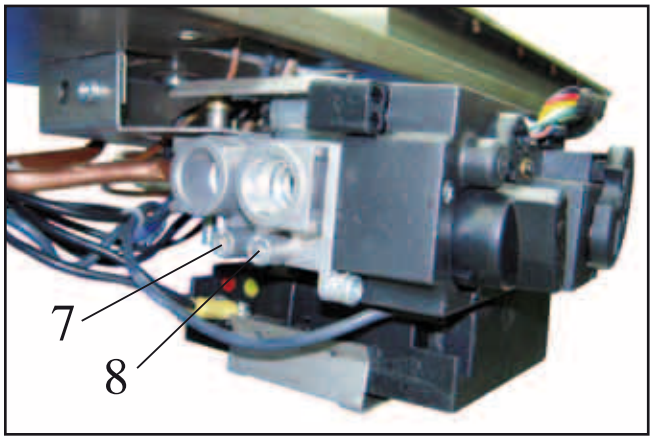
Installation
- If necessary, create a support (3) or use the adjustable feet provided (4) to position the Appliance at the required height, bearing in mind the connection with the fume exhaust.
- Fasten the Appliance on the installation walls using brackets (5) and anchor screws (neither on the Manufacturer's list) suitable for the type of wall at disposal. Fasten the brackets on the top part of the chamber using the holes provided (6), while always maintaining the safety distances.

⚠ **In the case of corner installation, provide a suitable fastening system (not listed by Manufacturer).**

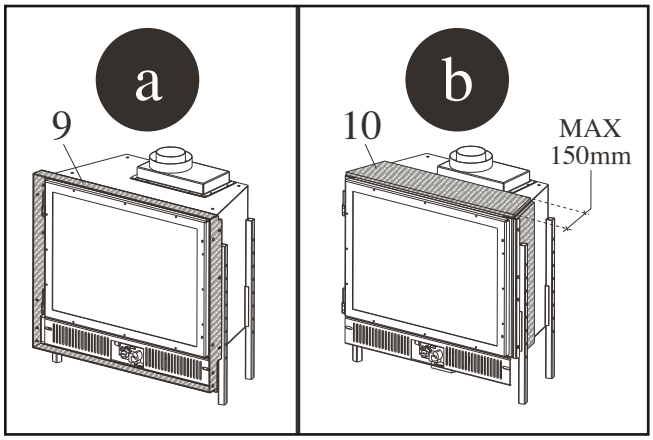


- Fit the exhaust pipe and make sure all connections are tight.
- Make the gas connection (Natural or LPG), making sure the pipe dimensions are correct, eliminate any burrs and inside impurities.

⚠ **Before starting up the Appliance, in accordance with UNI 7129/7131/10738 standards, carefully check:**
- Appliance tightness;
- operation and seal of exhaust pipe;
- operation of adjustment tap;
- pilot light ignition;
- main burner operation;
- thermocouple operation;
- gas pressure test, with pressure gauge to be fitted on connections 7 (outlet) and 8 (inlet).



- Insulating the Appliance:
a) with the frame (9, standard) no insulation is needed;
b) without the frame (9, standard) insulation is needed (10) and must be positioned on the top part of the chamber and on the two sides. Use a ceramic fibre mattress with aluminium covering, thickness between 5 and 10 mm and MAX width 15cm.



⛔ **Never insulate the rear of the machine to prevent overheating and consequent malfunctions or breakages.**

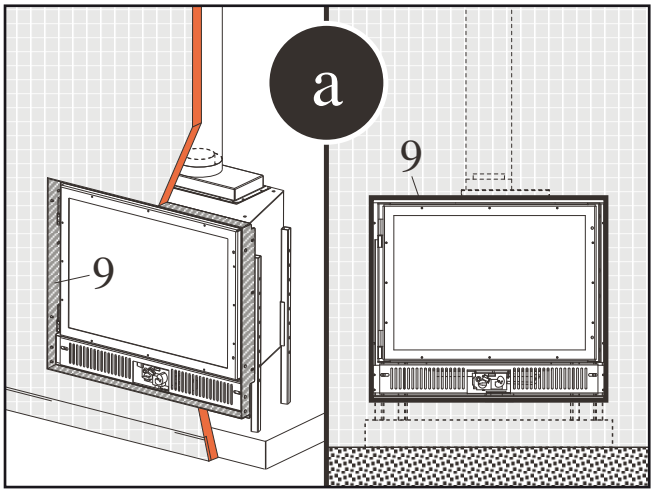
COVERING (wall linings)

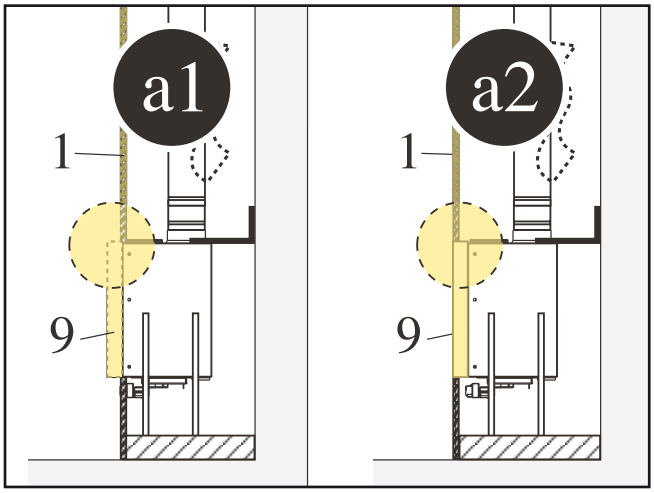
⚠ **The wall linings, which are all self-supporting, complete the installation of the Appliance and must be made of non-inflammable material in compliance with applicable regulations.**

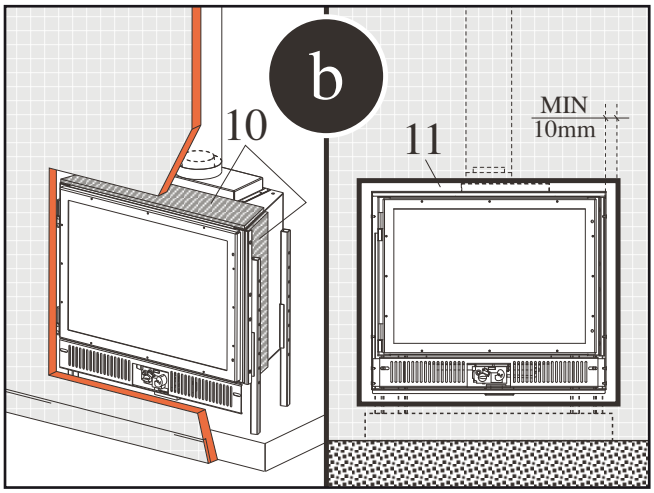
Unlike other similar products on the market, this Appliance offers two types of installation:
a) WITHOUT INTER-SPACE (with frame 9)
b) WITH INTER-SPACE (without frame 9)
The choice between these two options substantially depends on the conformation of the covering to be realised.

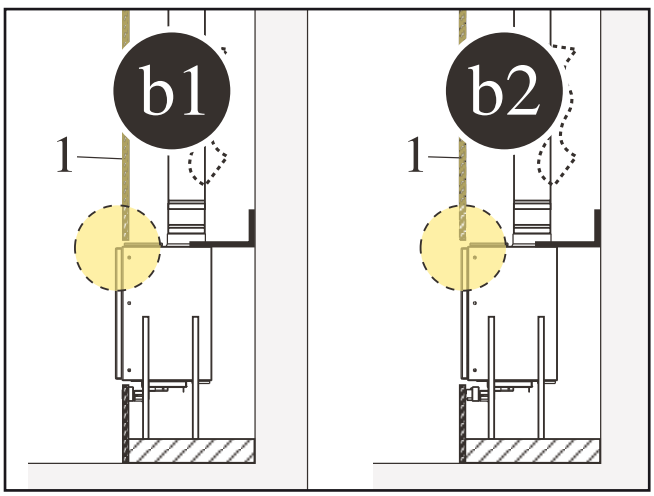
a) WITHOUT INTER-SPACE (with frame 9)
Thanks to the use of the frame (9) conceived by the Manufacturer, the wall linings can be brought into direct contact with this frame, without having to leave any inter-space around the Appliance frame.
Installation
- make sure the Appliance is properly fastened to the walls;
- make sure the gas pipes and connections are tight;
- check the tightness of the fume exhaust pipe;
- check the power connections (if there are any);
- check the correct operation of the Appliance;
- decide whether to move the lining outwards (a1) or flush (a2) with the Appliance;
- fit the wall linings;
- fit the air inlet at bottom;
- fit the hot air outlet at top;
- fit the frame (optional).

b) WITH INTER-SPACE (without frame 9)
In this case, without using the frame (9), an inter-space (11) will have to be left of at least 1 cm, all around the Appliance frame.
The covering must therefore never touch the Appliance to ensure correct convective flow of the hot air.
Installation
- make sure the Appliance is properly fastened to the walls;
- make sure the gas pipes and connections are tight;
- check the tightness of the fume exhaust pipe;
- check the power connections (if there are any);
- check the correct operation of the Appliance;
- decide whether to move the lining outwards (b1) or flush (b2) with the Appliance;
- fit the wall linings with an inter-space (11) of at least 1 cm;
- fit the air inlet at bottom;
- fit the hot air outlet at top;
- fit the frame (optional).









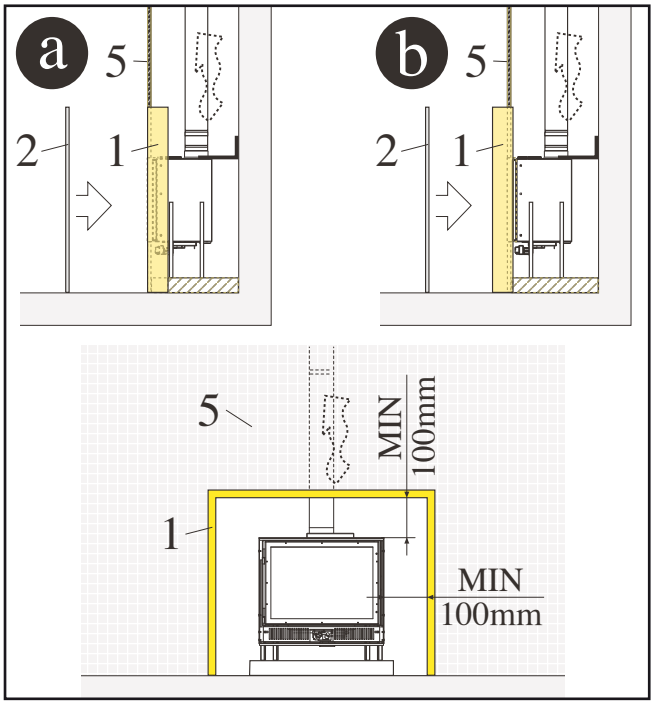
BRIDGE STRUCTURE

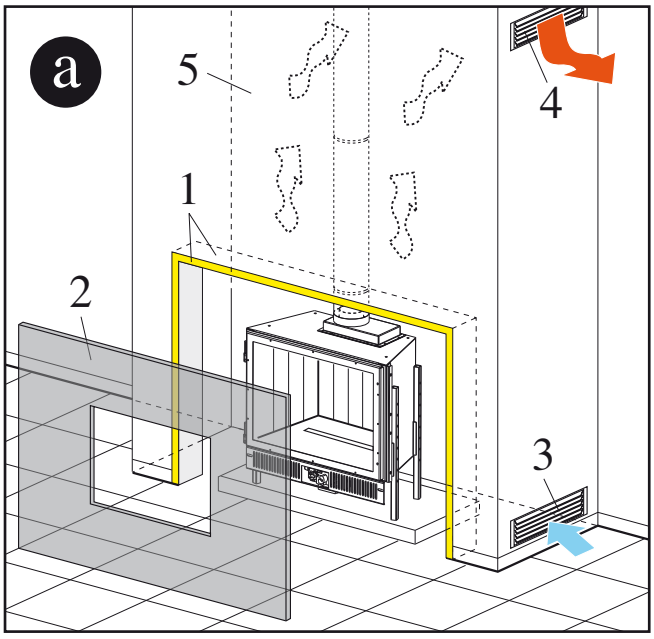
This solution (consisting of a bridge structure (1) and a front panel (2)) allows quick and precise cover finish, **eliminating all the troublesome centring problems between the lining and the glazed frame area.**
Available on all models, this system eliminates the need for numerous inspection doors, often all too evident. The front panel has been designed to be fully removed to improve complete access to the Appliance.
The bridge structure (1) can be made in various ways or using different types of material depending on the environment setting. The front panel (2) can also be made in various ways:
- same colour as the surrounding wall (5) or else completely different;
- same material as the surounding wall, e.g., plasterboard;
- of different materials such as aluminium, stainless steel, coated metal plate, glass (resistant to high temperatures), with stone lining, wood type, ceramic, etc.

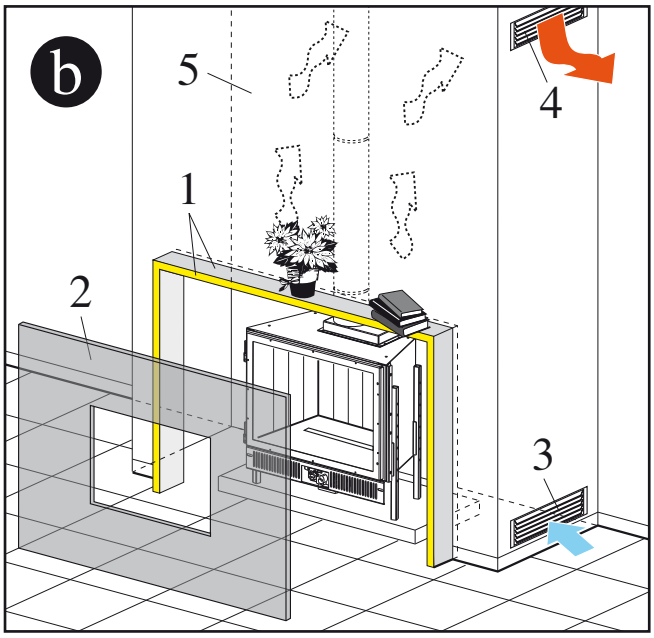
Installation
- make sure the Appliance is properly fastened to the walls;
- make sure the gas pipes and connections are tight;
- check the tightness of the fume exhaust pipe;
- check the power connections (if there are any);
- check the correct operation of the Appliance;
- centre the bridge structure with respect to the Appliance.

⚠ **Maintain a minimum safety distance between the bridge structure and the outer surface of the Appliance: MIN 100 mm.**
- position the bridge structure: flush with the wall lining (a) or shelf type protruding (b);
- fasten the bridge structure to the walls and make sure it is fastened properly;
- bring the wall lining up against the bridge structure;
- fit the air inlet vent below (3);
- fit the hot air outlet vent above (4);
- fit and secure the front panel inside the bridge structure.

⚠ **Fasten the front panel using "devices" that permit easy and fast removal for inspections, maintenance or any repairs.**







ARRANGING CERAMIC LOGS WITH ASHES, RIVER PEBBLES AND SMALL CERAMIC WOOD PIECES

Depending on the purchased code, the Appliance is supplied with:
- **KIT A:** ceramic billets plus a bag of ashes
- **KIT B:** pack of river pebbles
- **KIT C:** pack of small ceramic wood pieces.

⚠ **Use only the ashes, ceramic logs and river pebbles supplied with the Appliance. Do not add others and follow the instructions of the Manufacturer.**

⚠ **Only ever use original parts or spares supplied by the Manufacturer, installation must be made by personnel authorised by the Manufacturer or approved technician.**

Installation
- Remove the lock device (1) and open the front door (2) to access the hearth chamber (3);

⚠ **It could occur that by removing the lock device, the door suddenly opens, as this is pressed up against the seals (4). Be careful when opening to avoid any injuries or damage.**

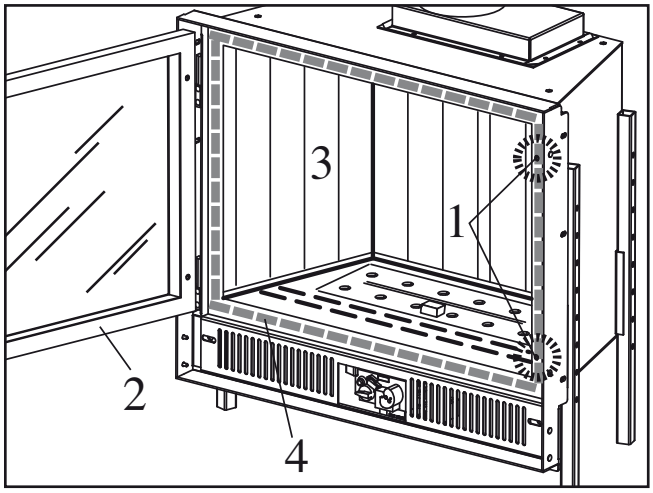
- Place the vermiculite top (5) above the burner (6) in such a way that all the holes coincide with those obtained in the burner plate;
- Distribute the ashes on the mat and grille and make sure these do not penetrate inside the pilot protection, to prevent them damaging the pilot or the thermocouple;
- Position the logs provided in the order shown and according to the purchased model (see following pages);

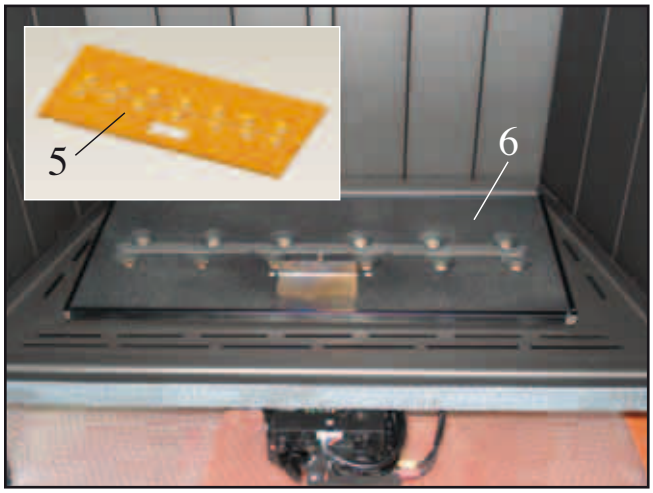
⚠ **Position the ashes and logs using a protective mask to avoid inhaling ceramic fibre particles.**
Be careful when positioning the ashes and logs. These must never touch the walls of the chamber or cover the gas outlet or combustion air holes.
Carefully and delicately position the ashes and all the logs. They are very fragile components.
If you find one or more broken or chipped logs, do not instal these, but replace them immediately.

- Position all the river pebbles (7) or small wood pieces supplied;

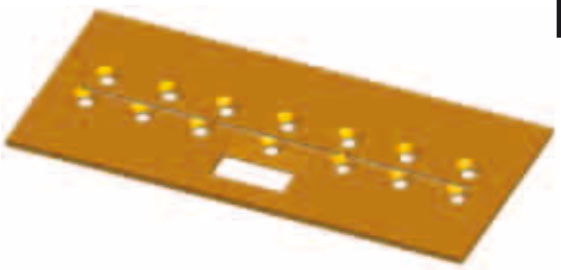
⚠ **Be careful when positioning the pebbles. These should never cover or block the gas or combustion air outlet holes.**

- Close the front door and make sure the seals are positioned correctly;
- Ignite the Appliance to test the “behaviour” and appearance of the flame.





1



2

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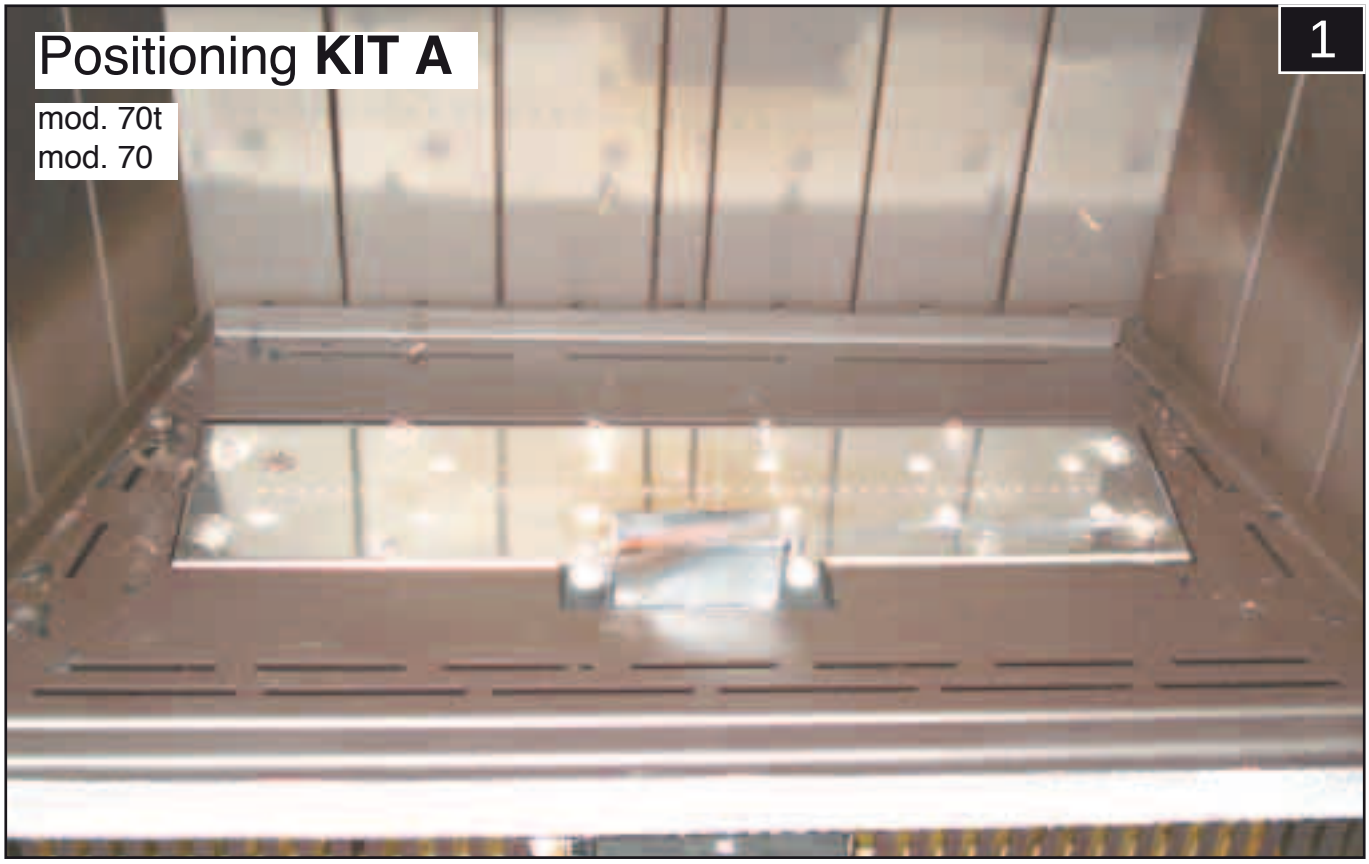
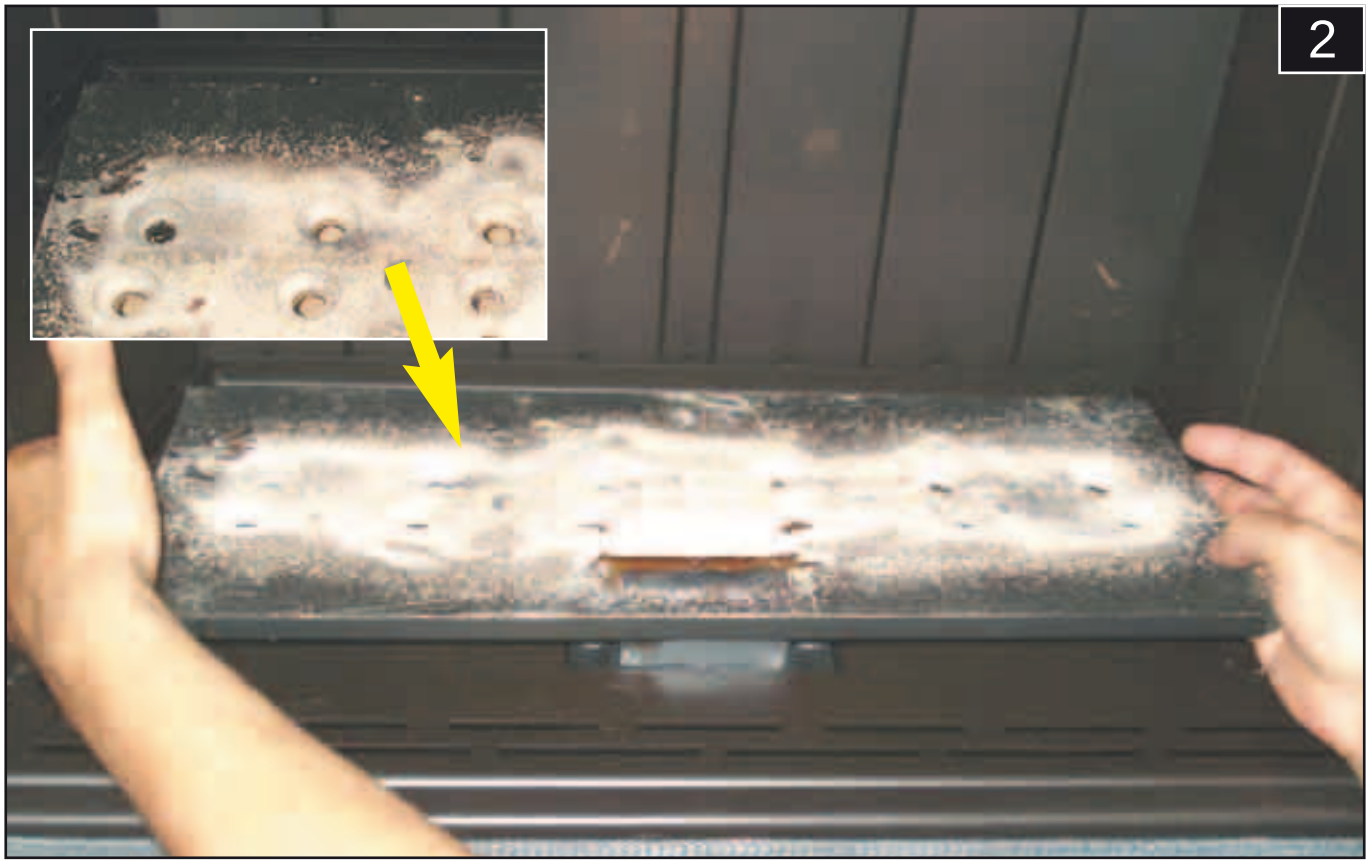
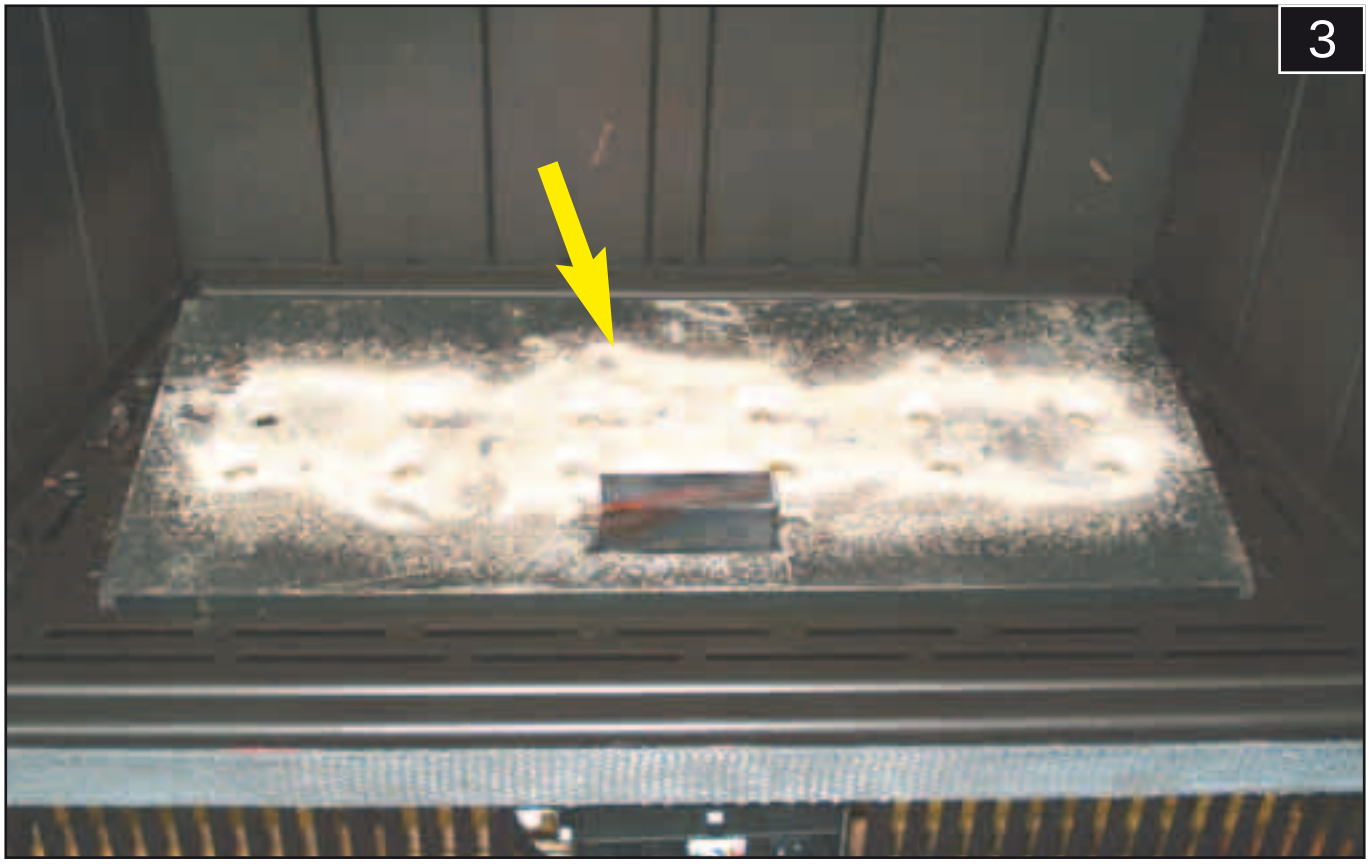
12

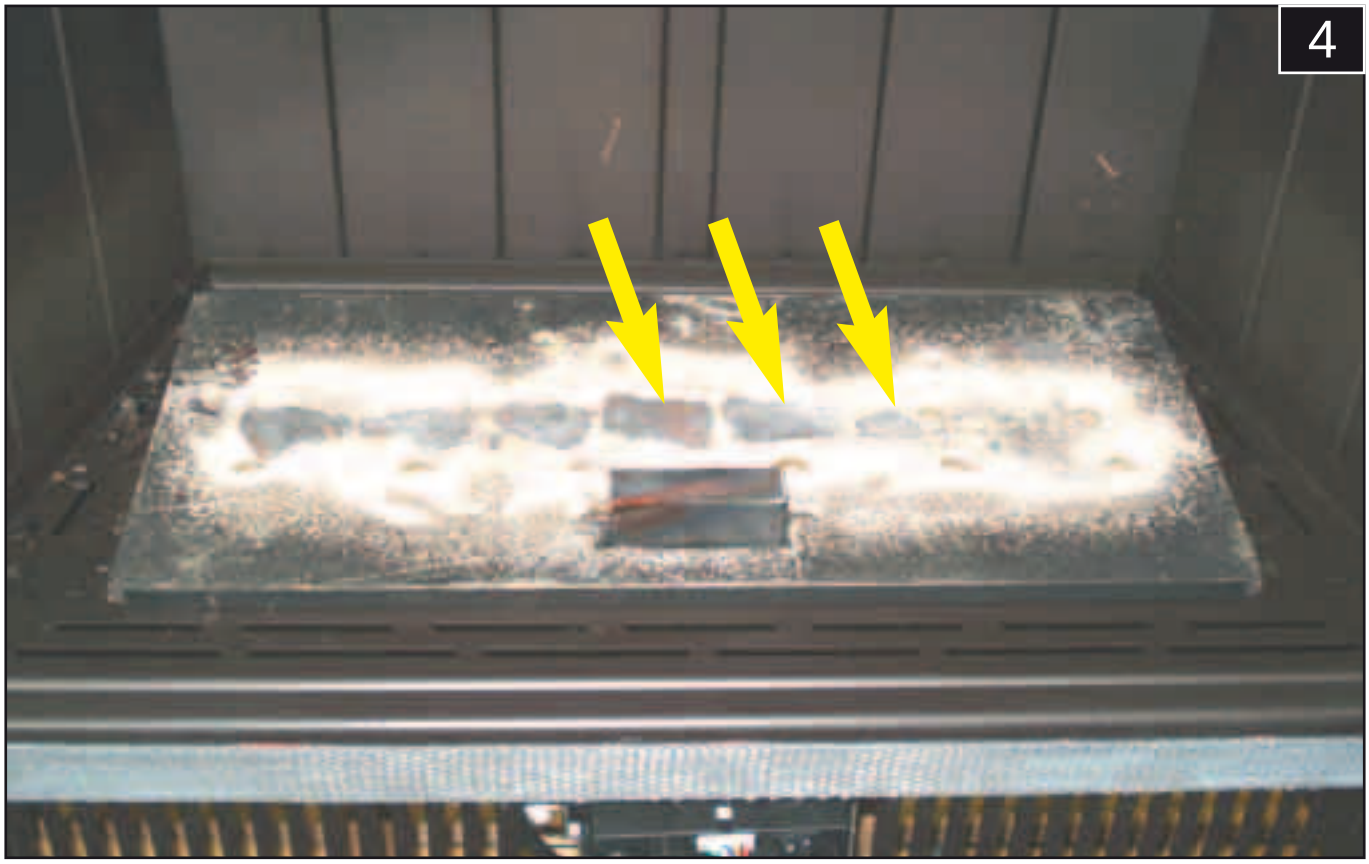


Flue insert inner top.

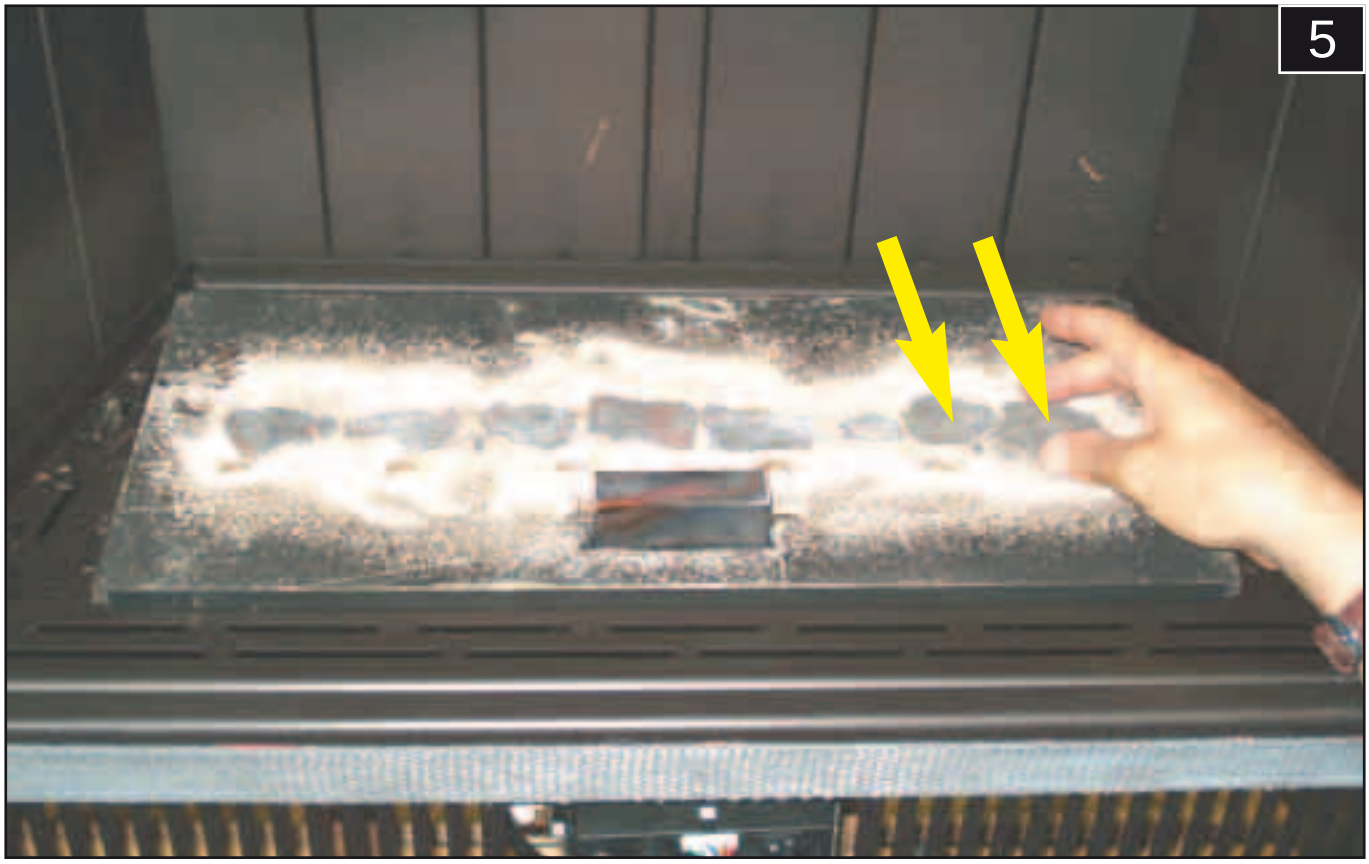


Position the vermiculite top (1) inside the insert.





Position the ashes (2) at the centre of the vermiculite top.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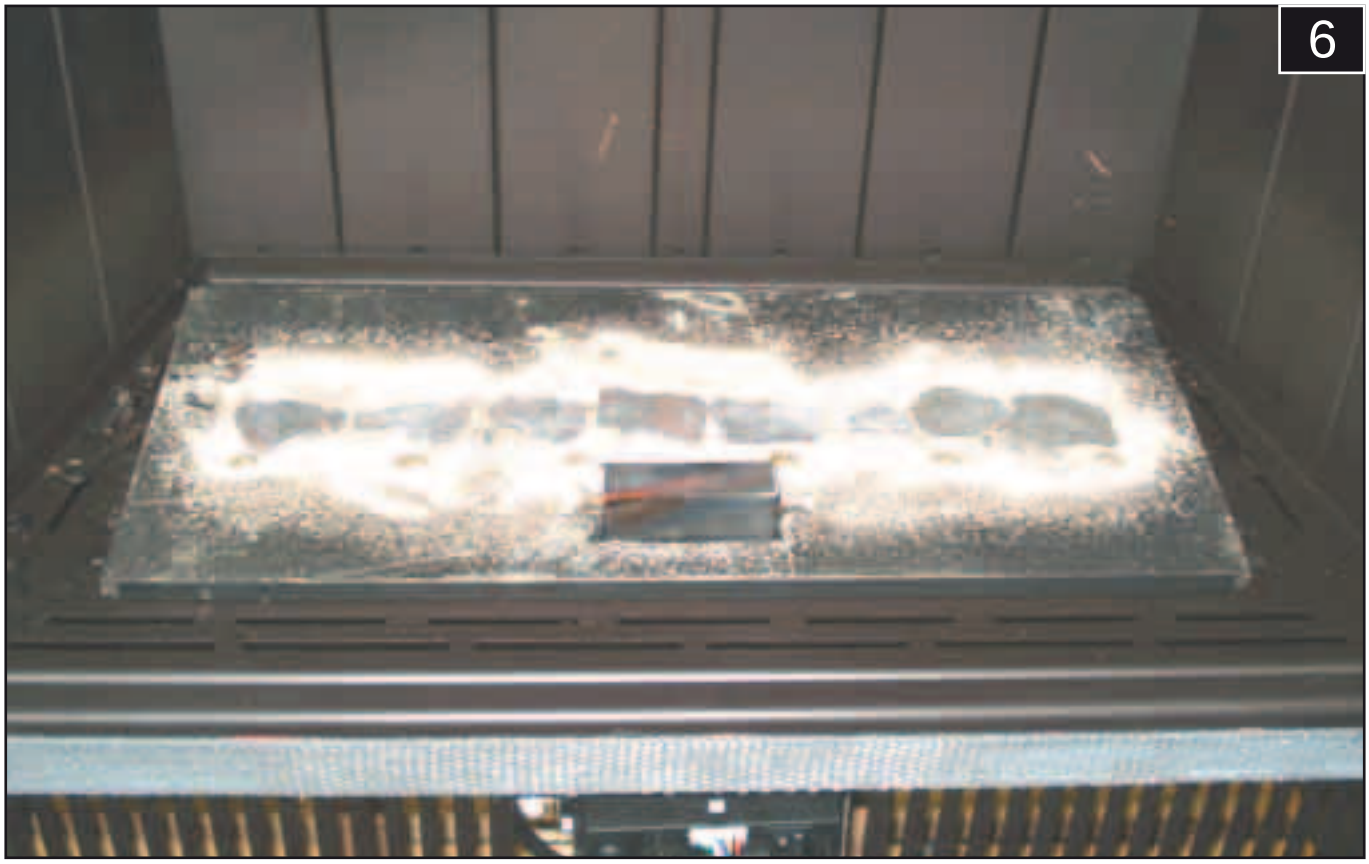
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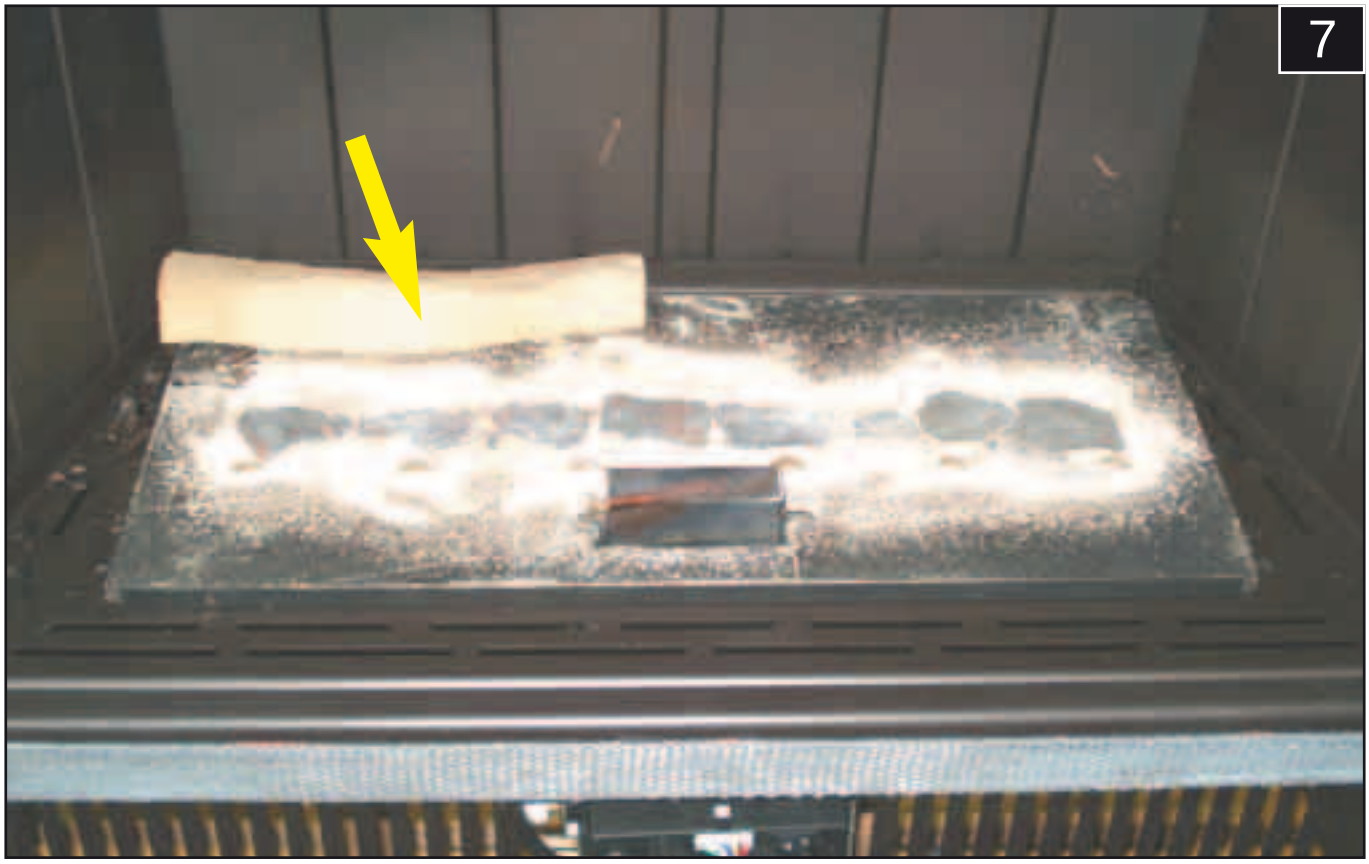
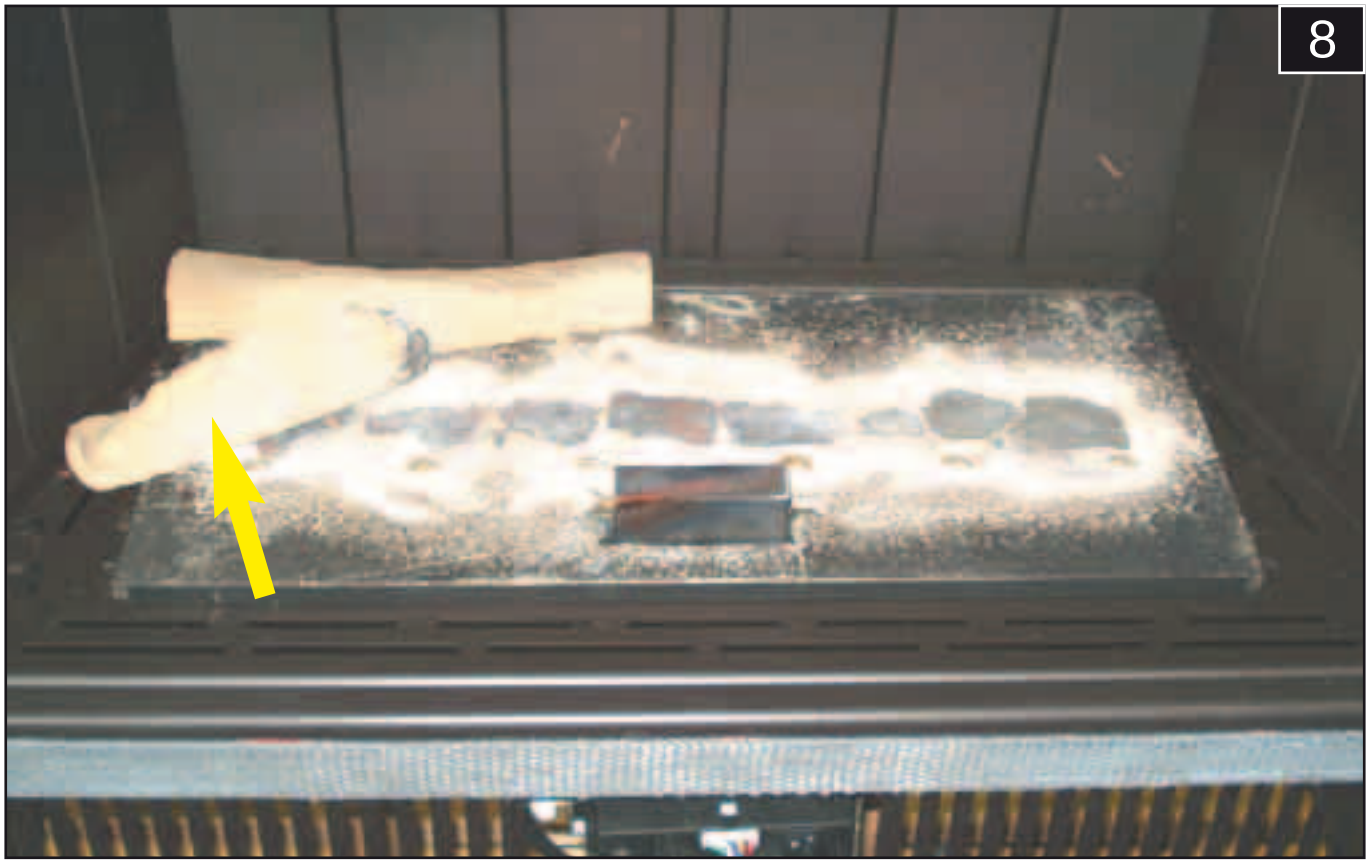
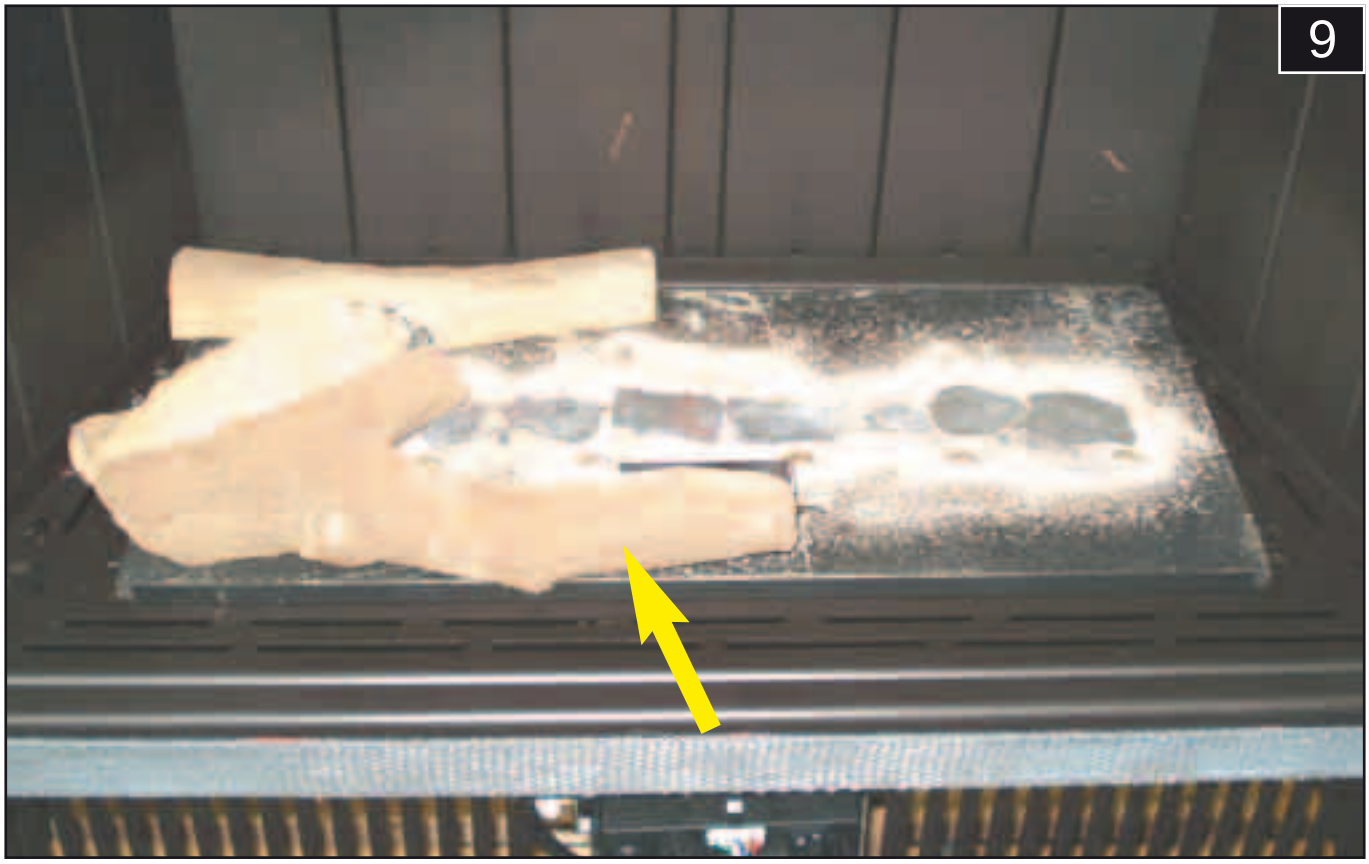


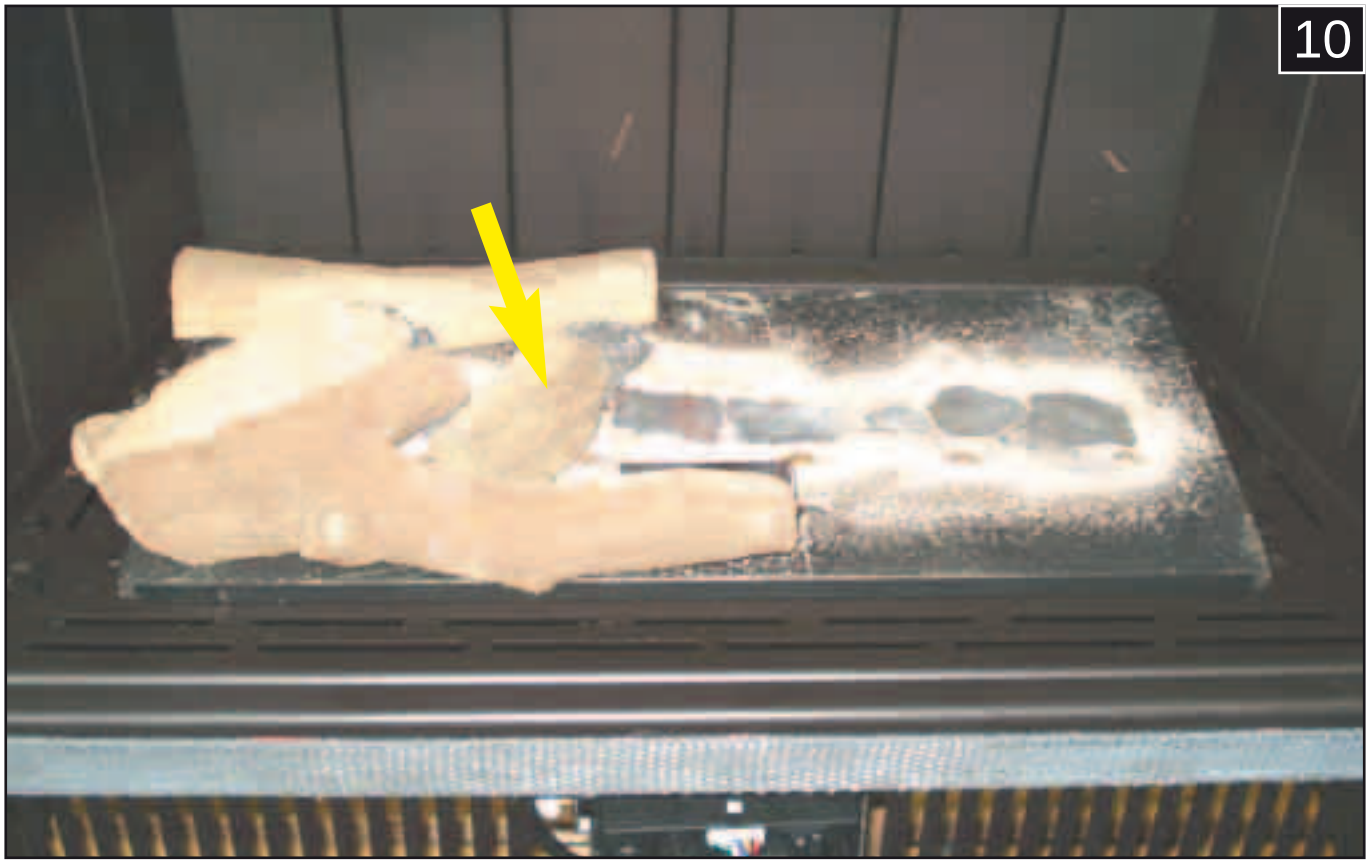
Position the log (3) as shown in the illustration.



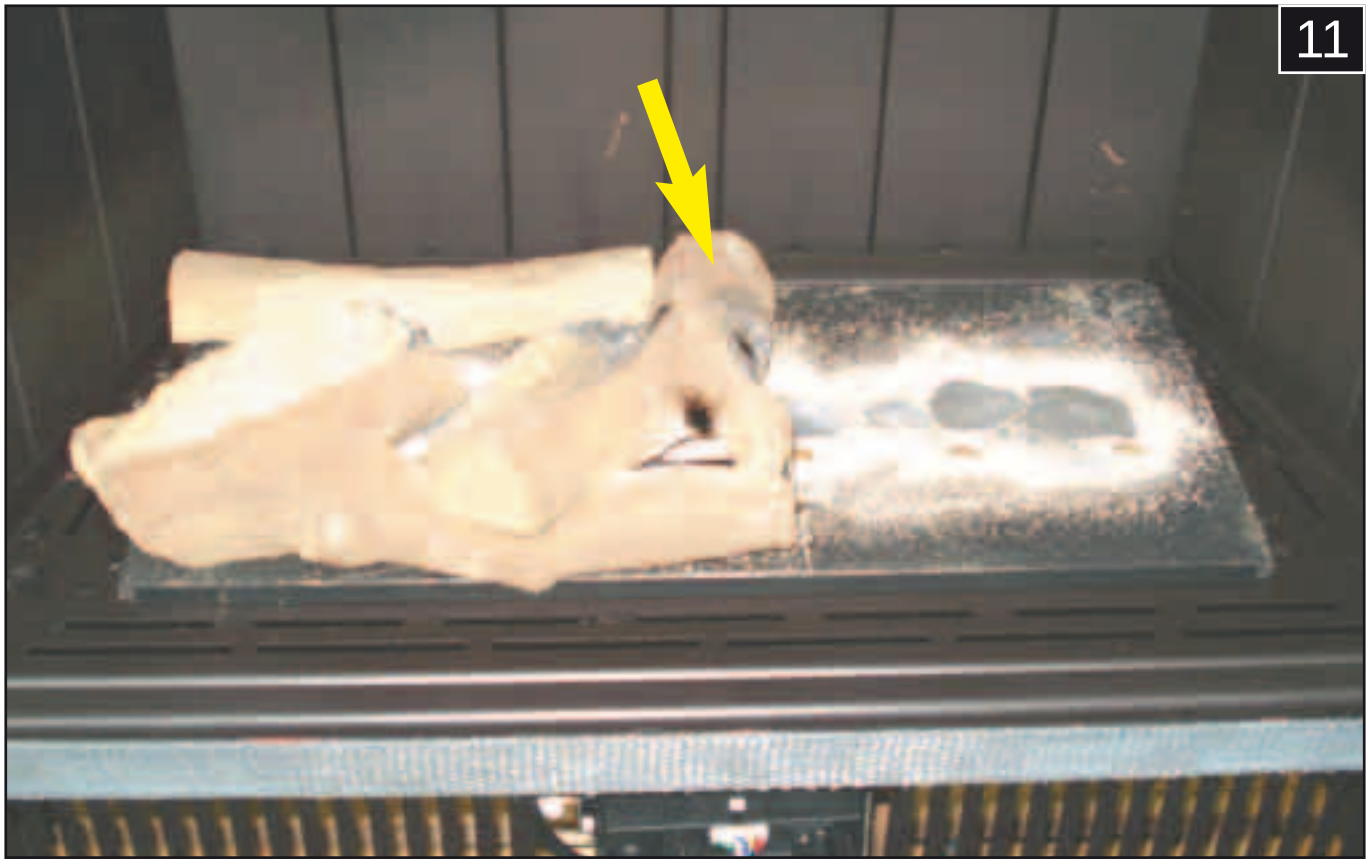
Position the log (4) as shown in the illustration.



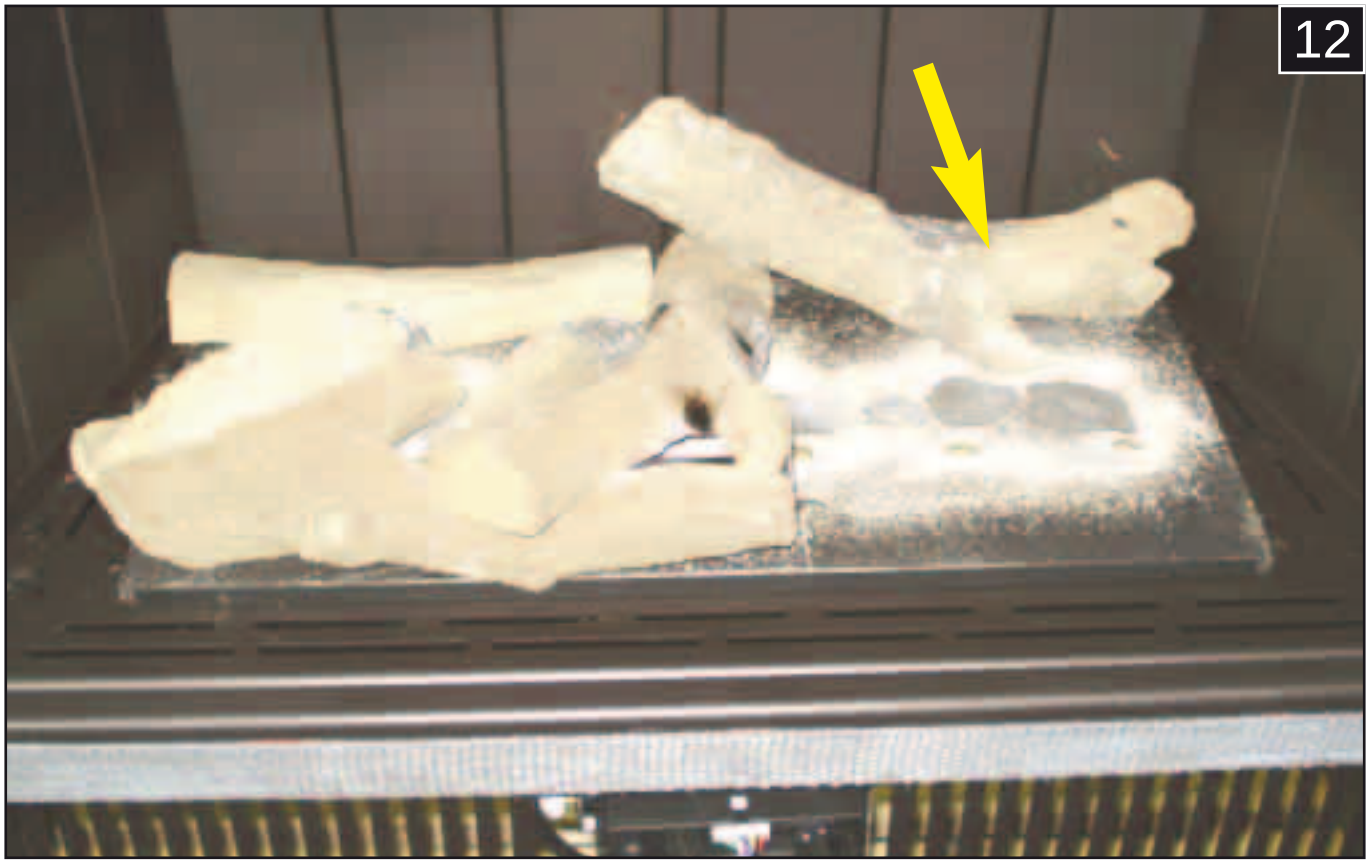
Position the log (5) as shown in the illustration.



Position the log (6) as shown in the illustration.



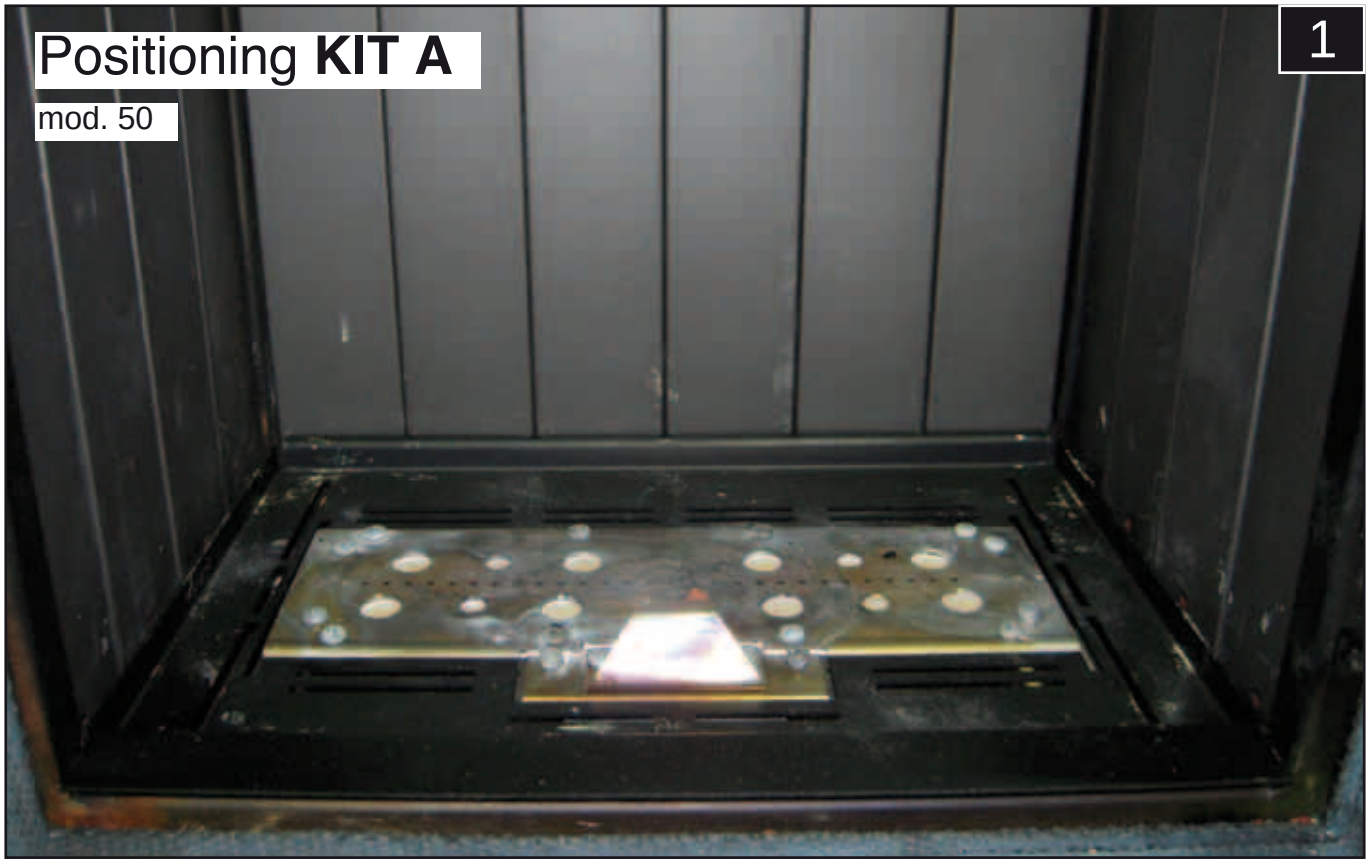
Position the log (7) as shown in the illustration.



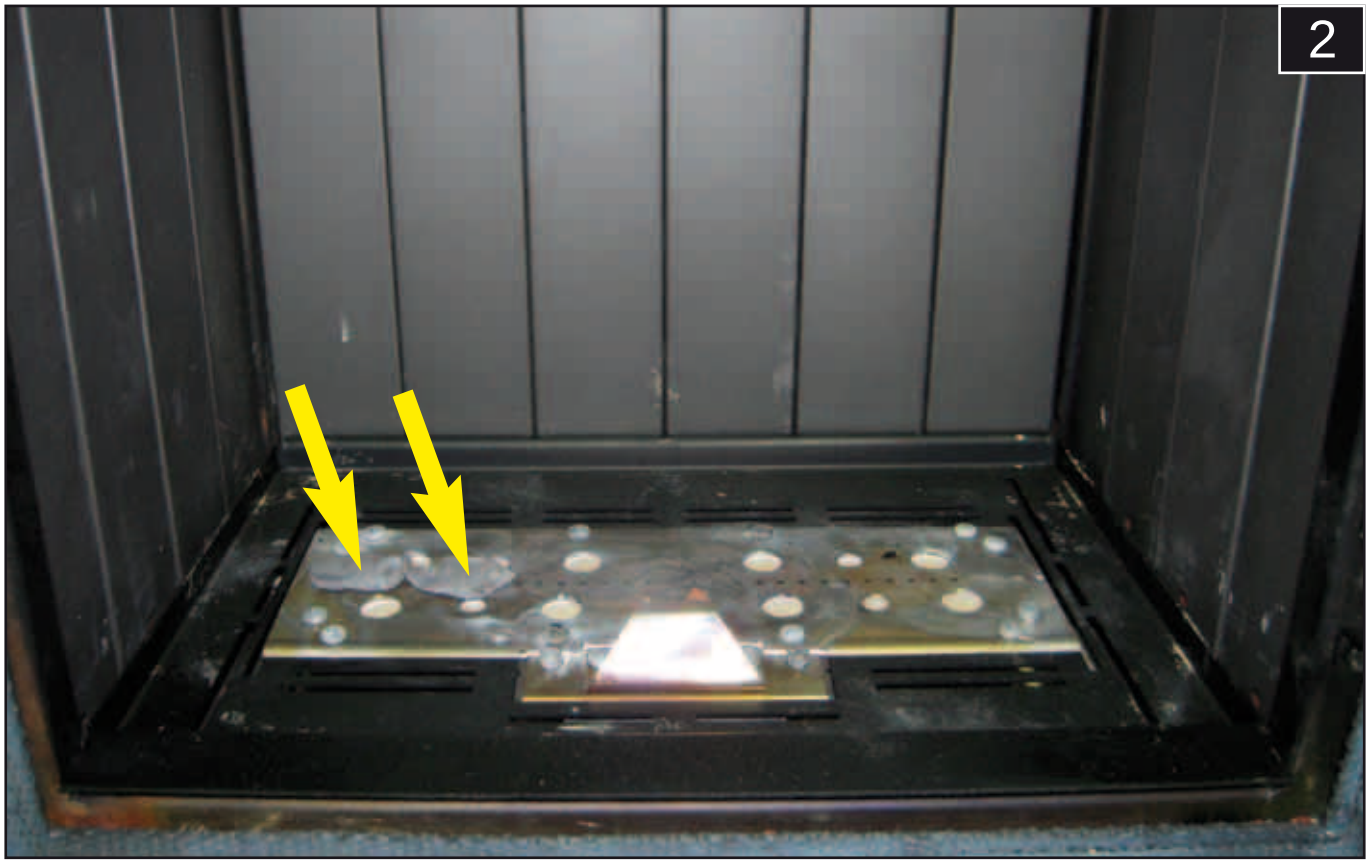
Position the log (8) as shown in the illustration.

Position the log (9) as shown in the illustration.

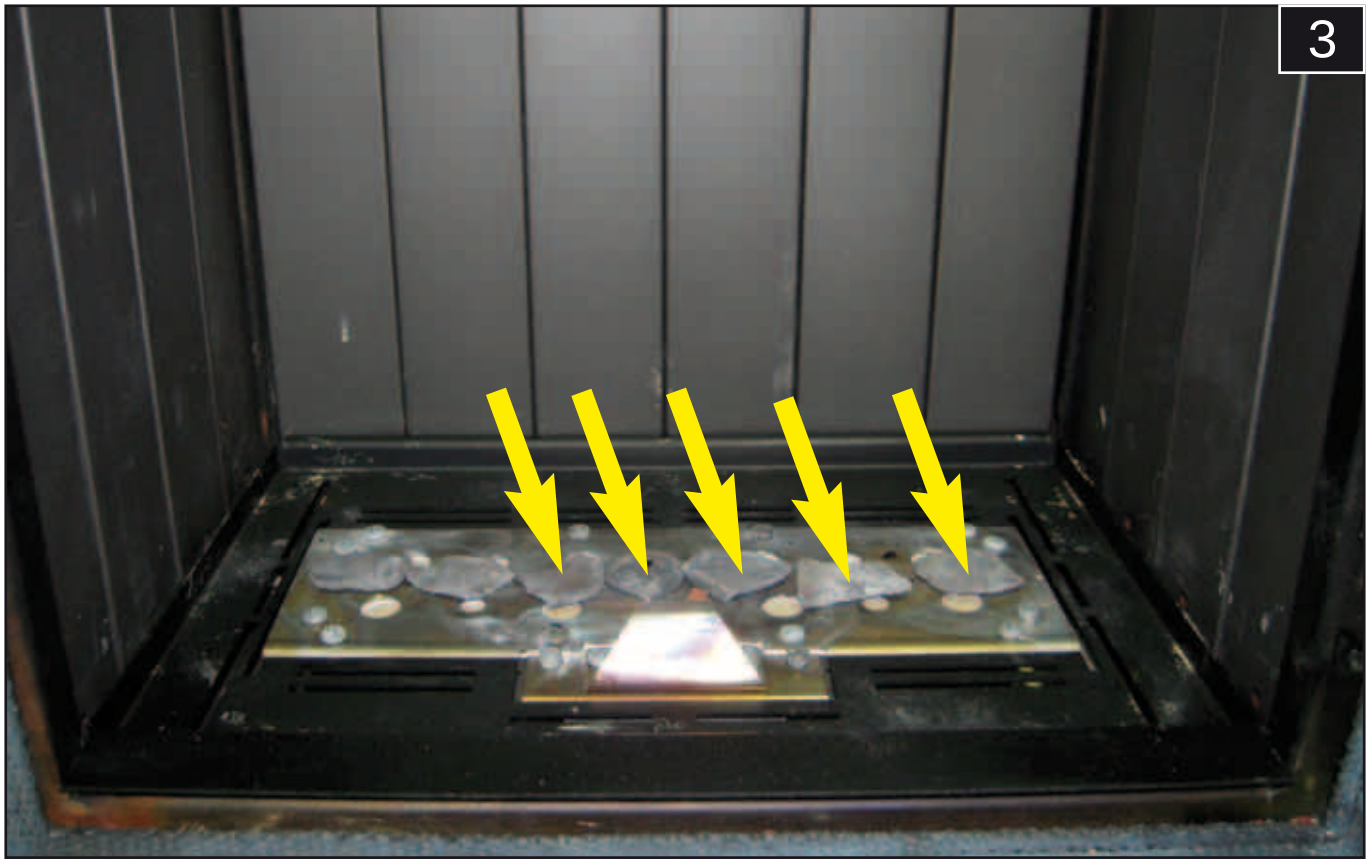
Position the log (10) as shown in the illustration. END

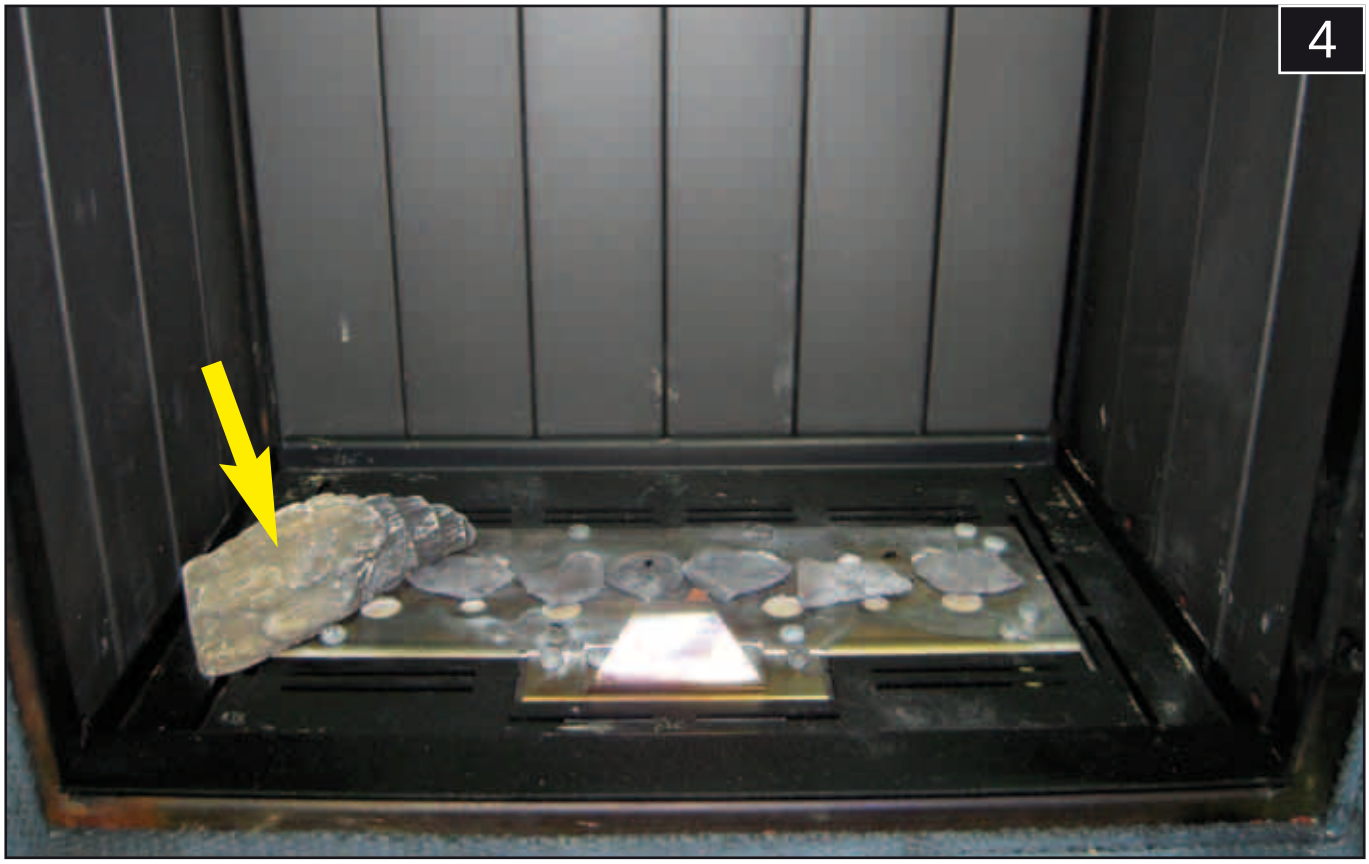


Fireplace insert inner top.

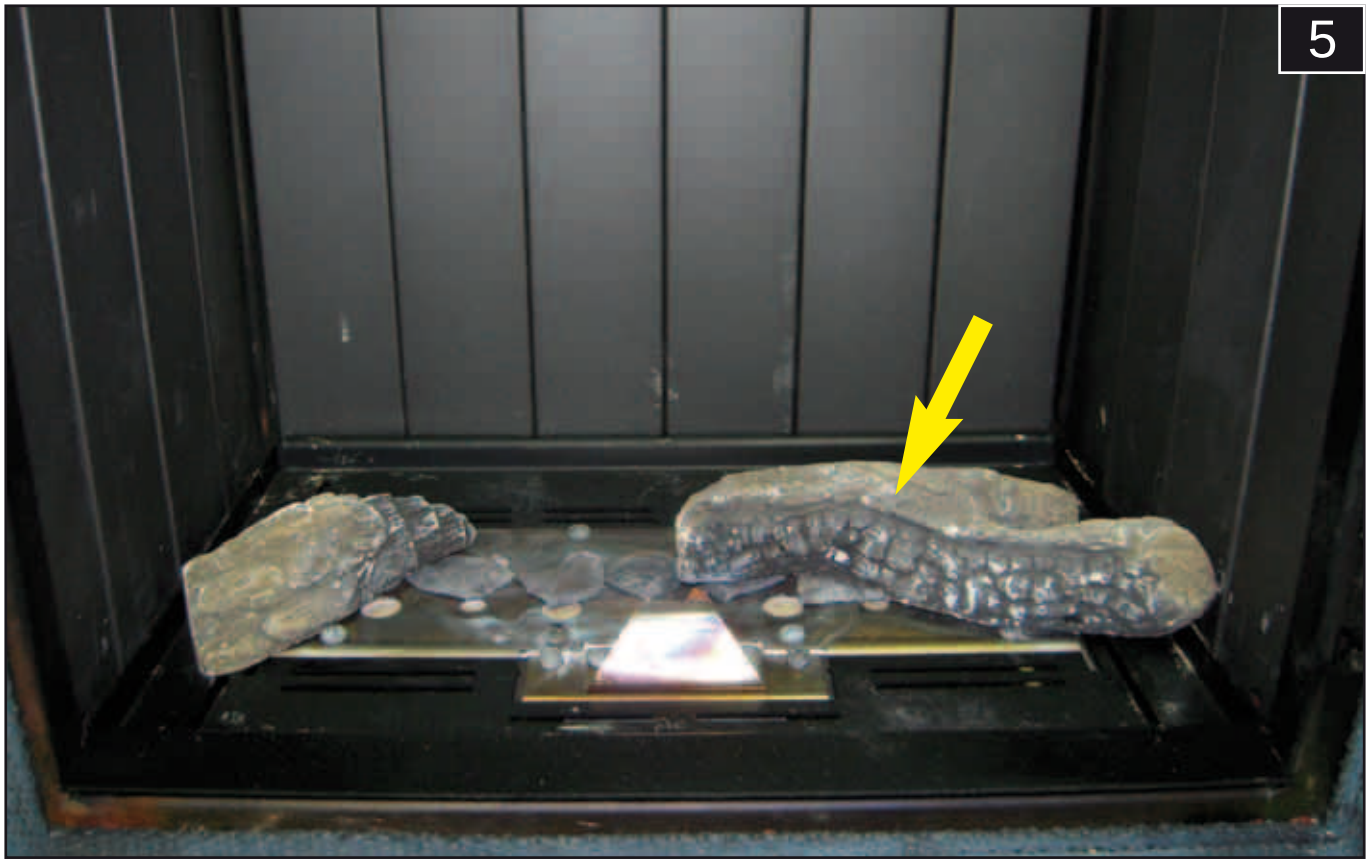


Position the ashes (2) inside the insert.

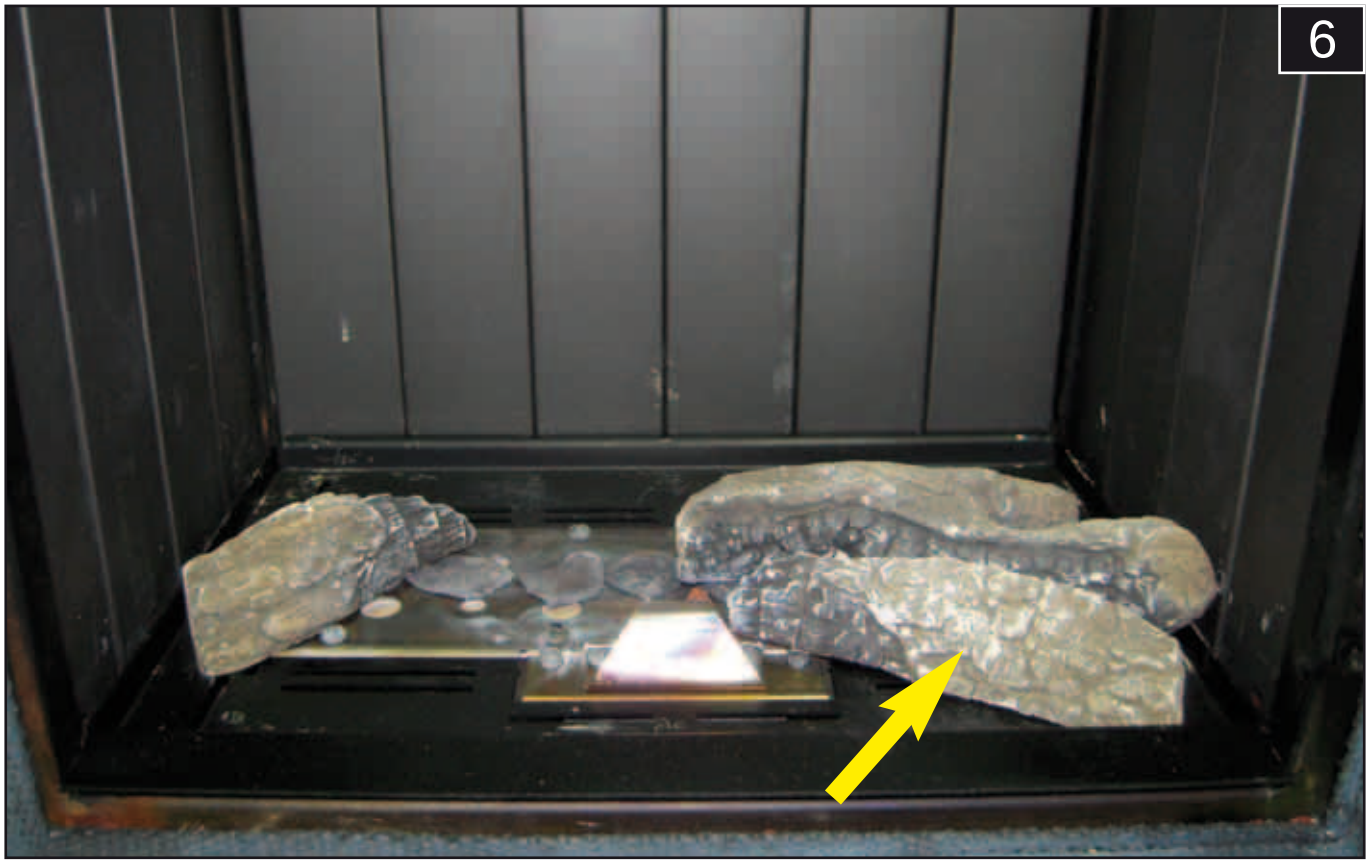




Position the log (6) as shown in the illustration.



Position the log (9) as shown in the illustration.



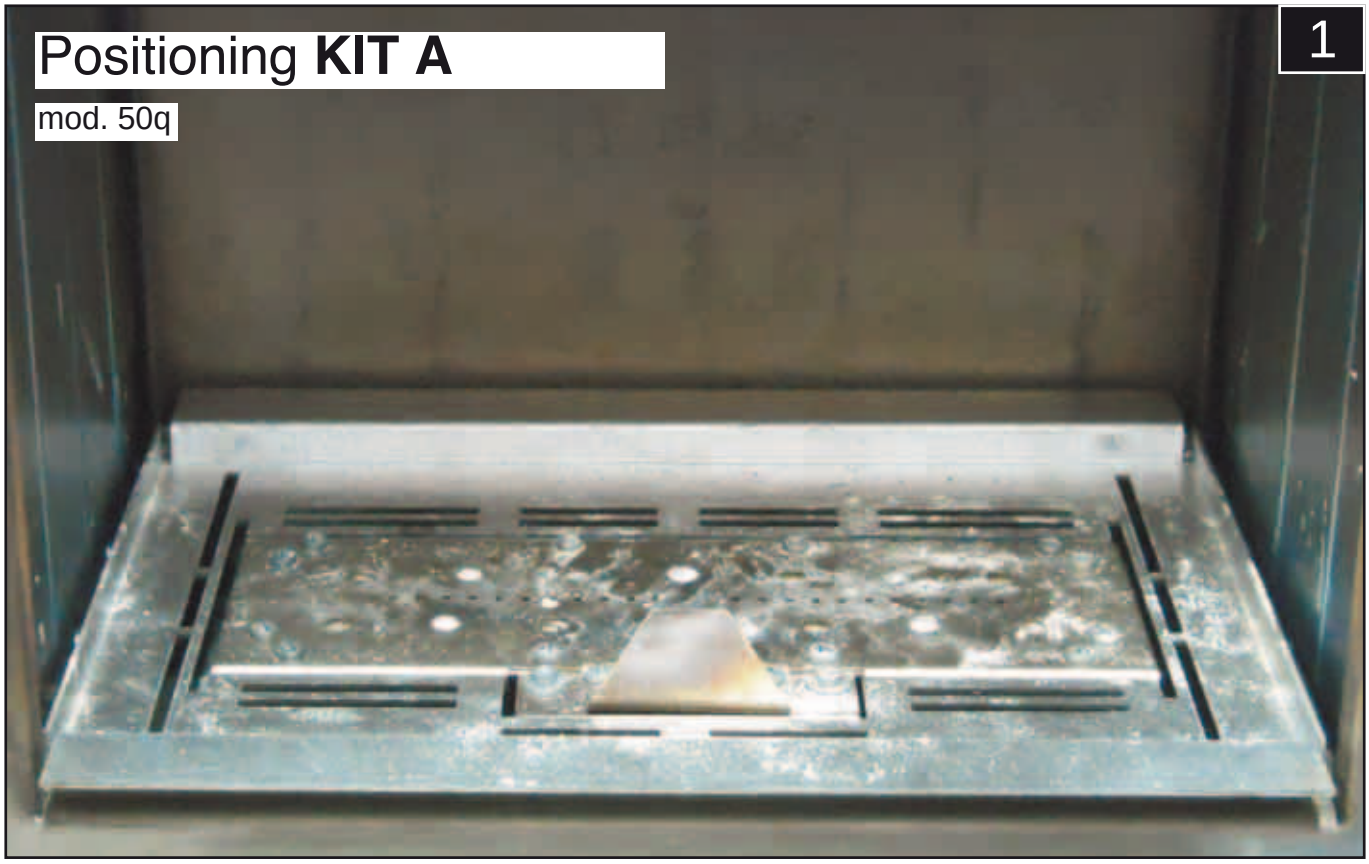
Position the log (4) as shown in the illustration.

Position the log (5) as shown in the illustration.

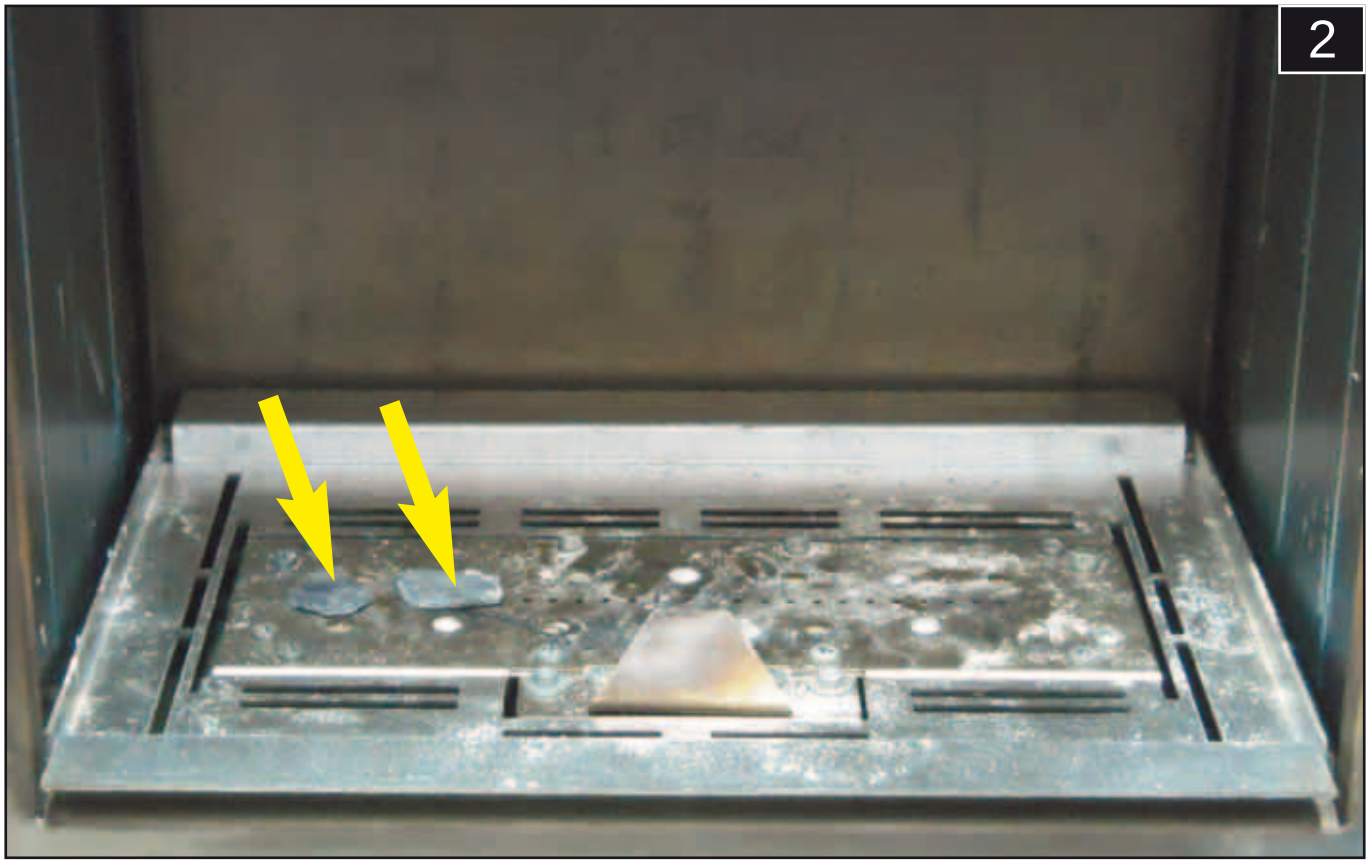
Position the log (7) as shown in the illustration.

Position the log (3) as shown in the illustration.

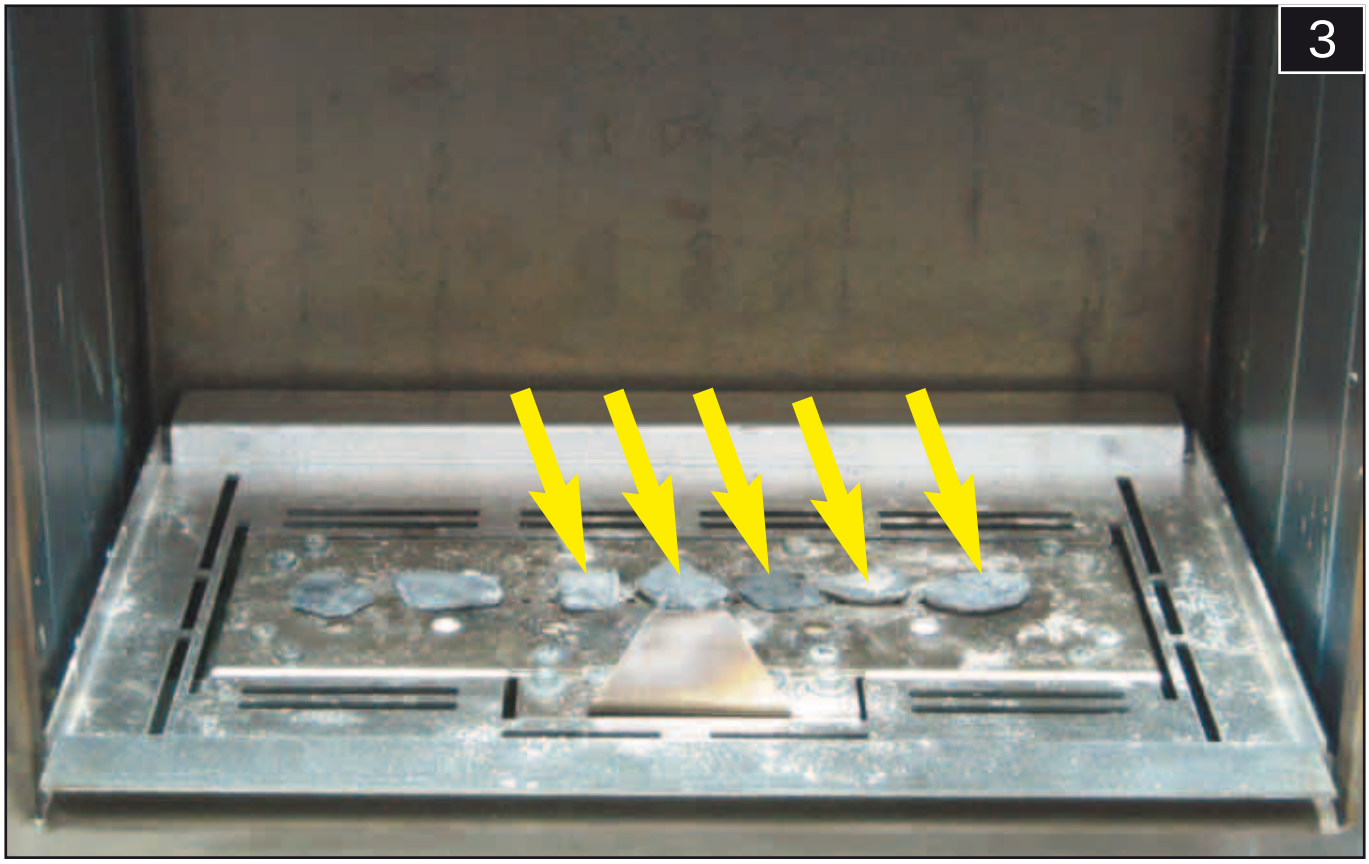
Position the log (8) as shown in the illustration. END



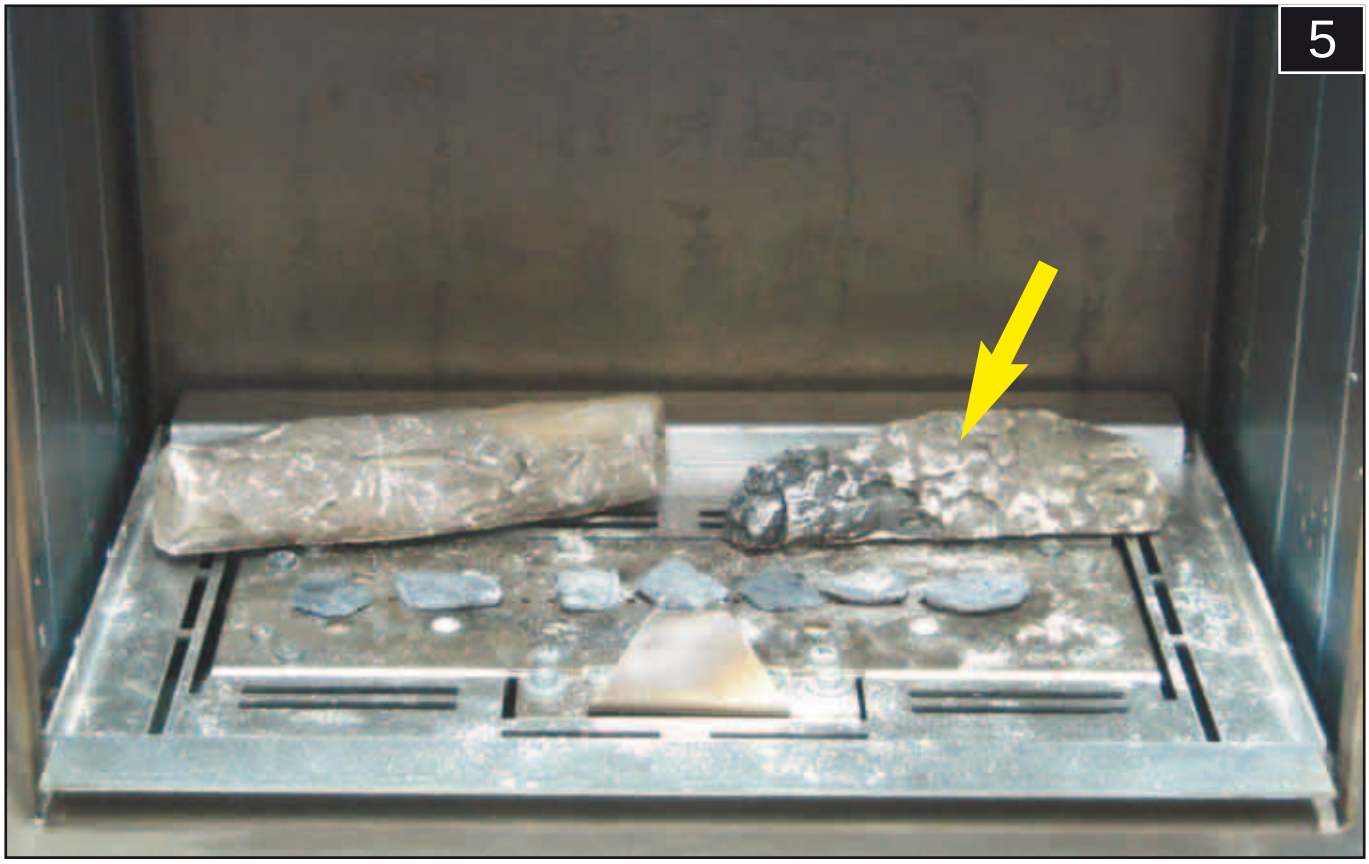
Fireplace insert inner top.



Position the ashes (2) inside the insert.



Position the log (10) as shown in the illustration.

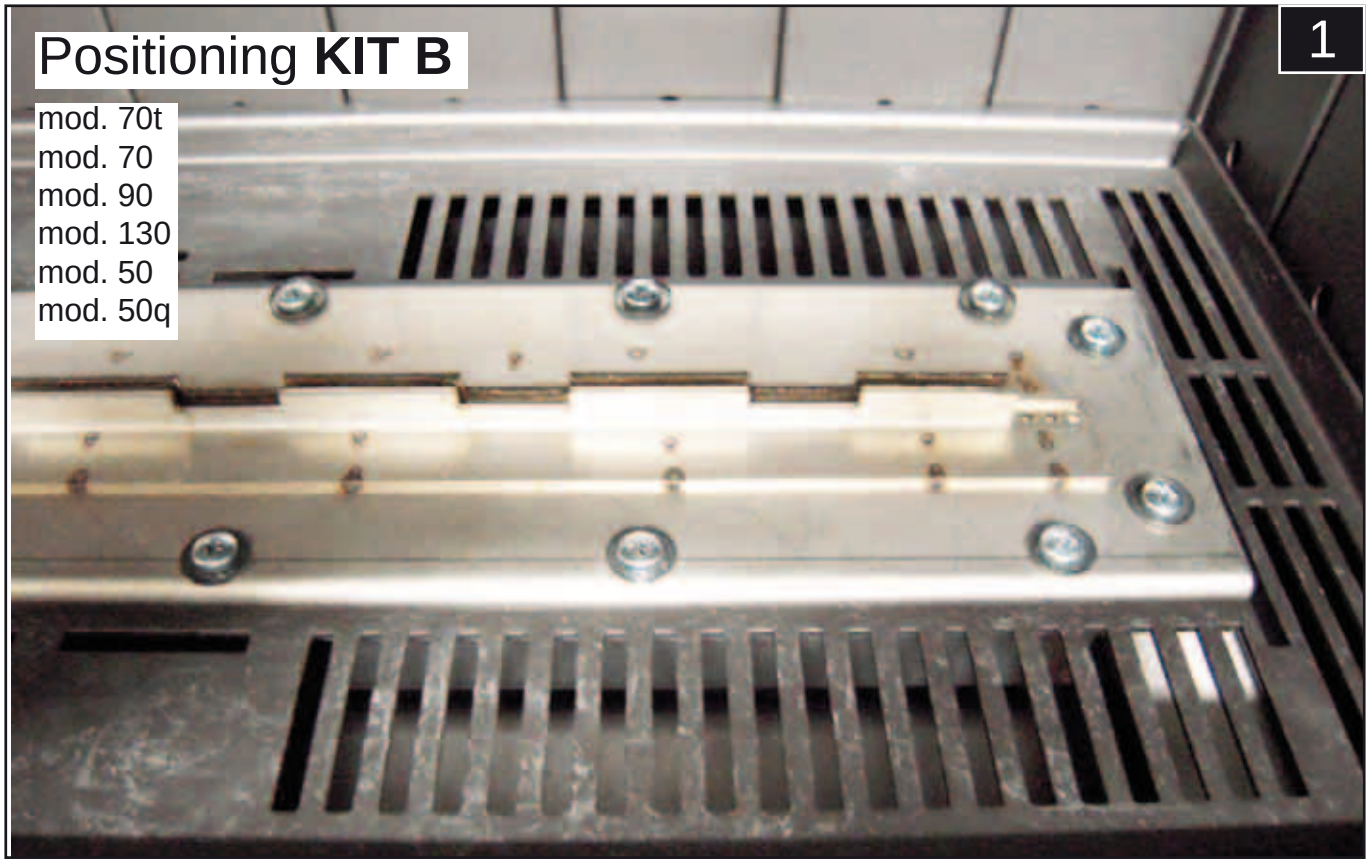


Position the log (4) as shown in the illustration.

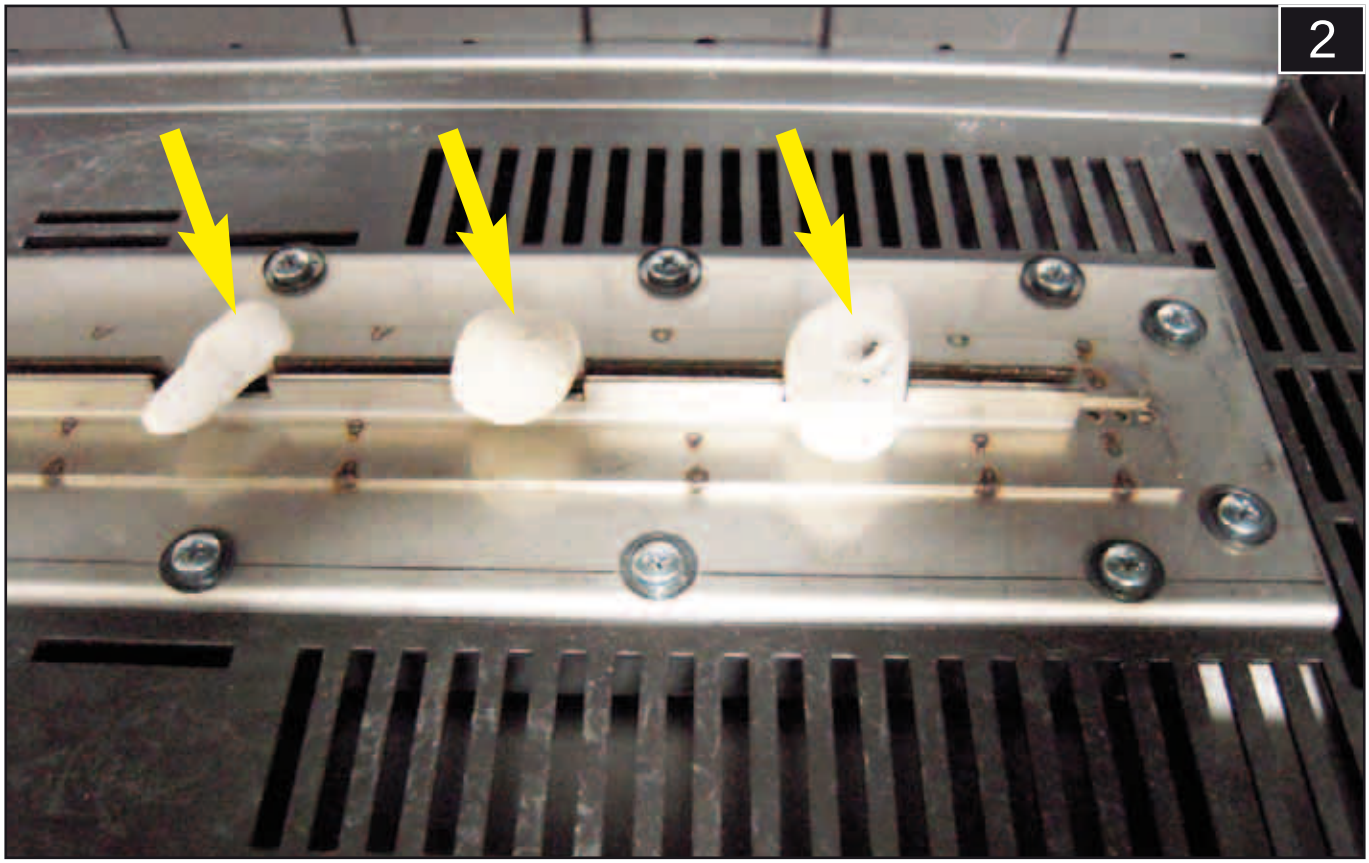
Position the log (6) as shown in the illustration.

Position the log (7) as shown in the illustration.

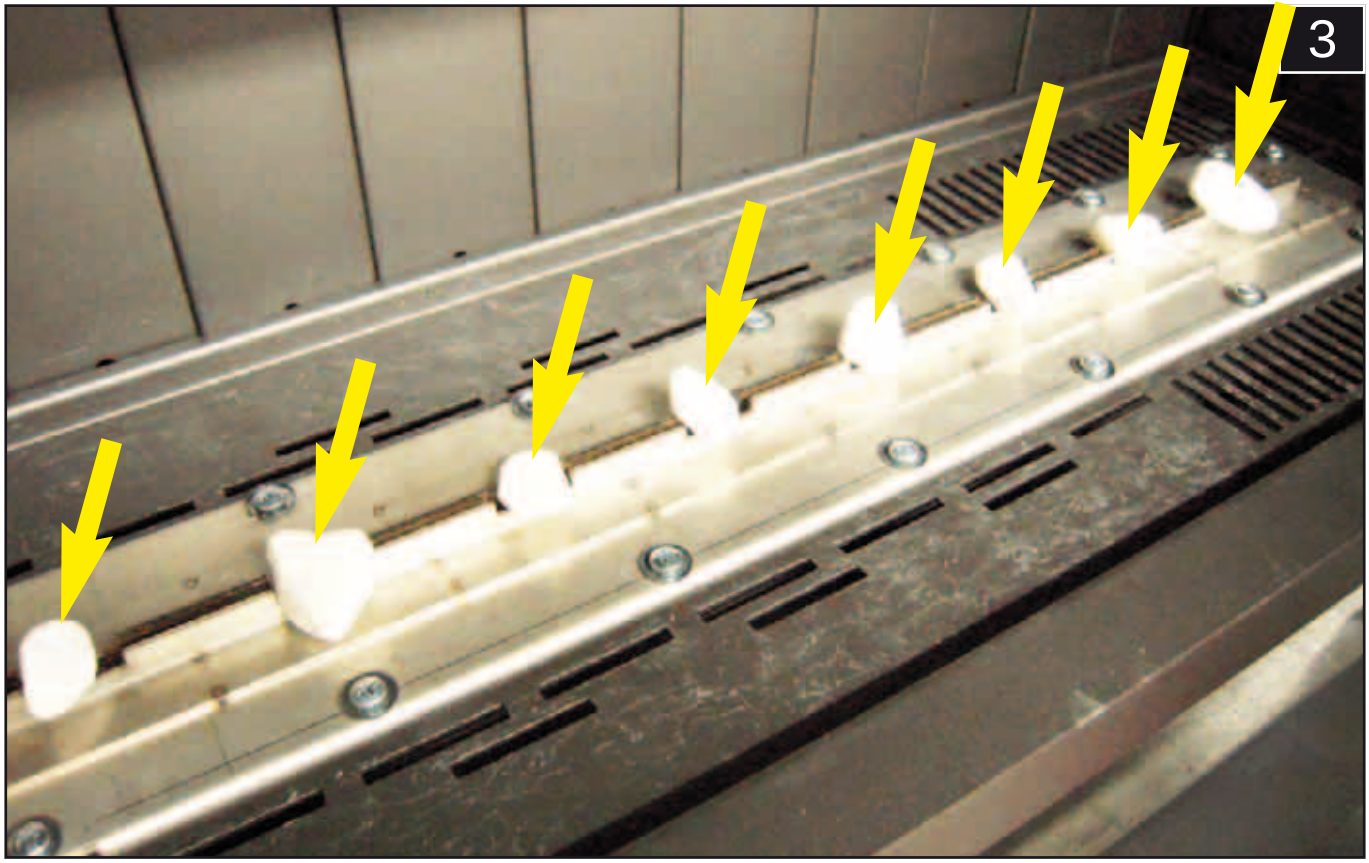
Position the log (5) as shown in the illustration.



Fireplace insert inner top.



Position all the river pebbles (11).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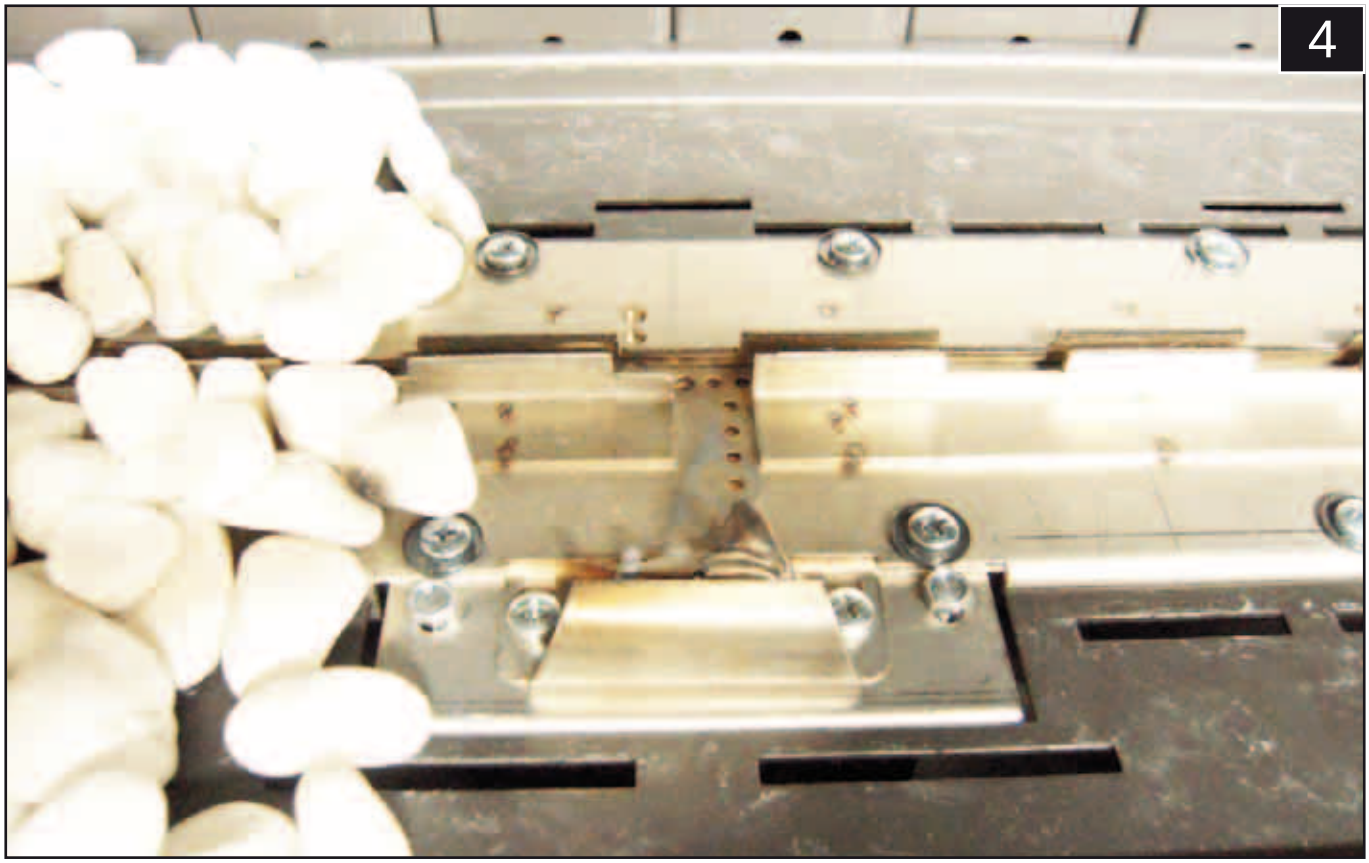
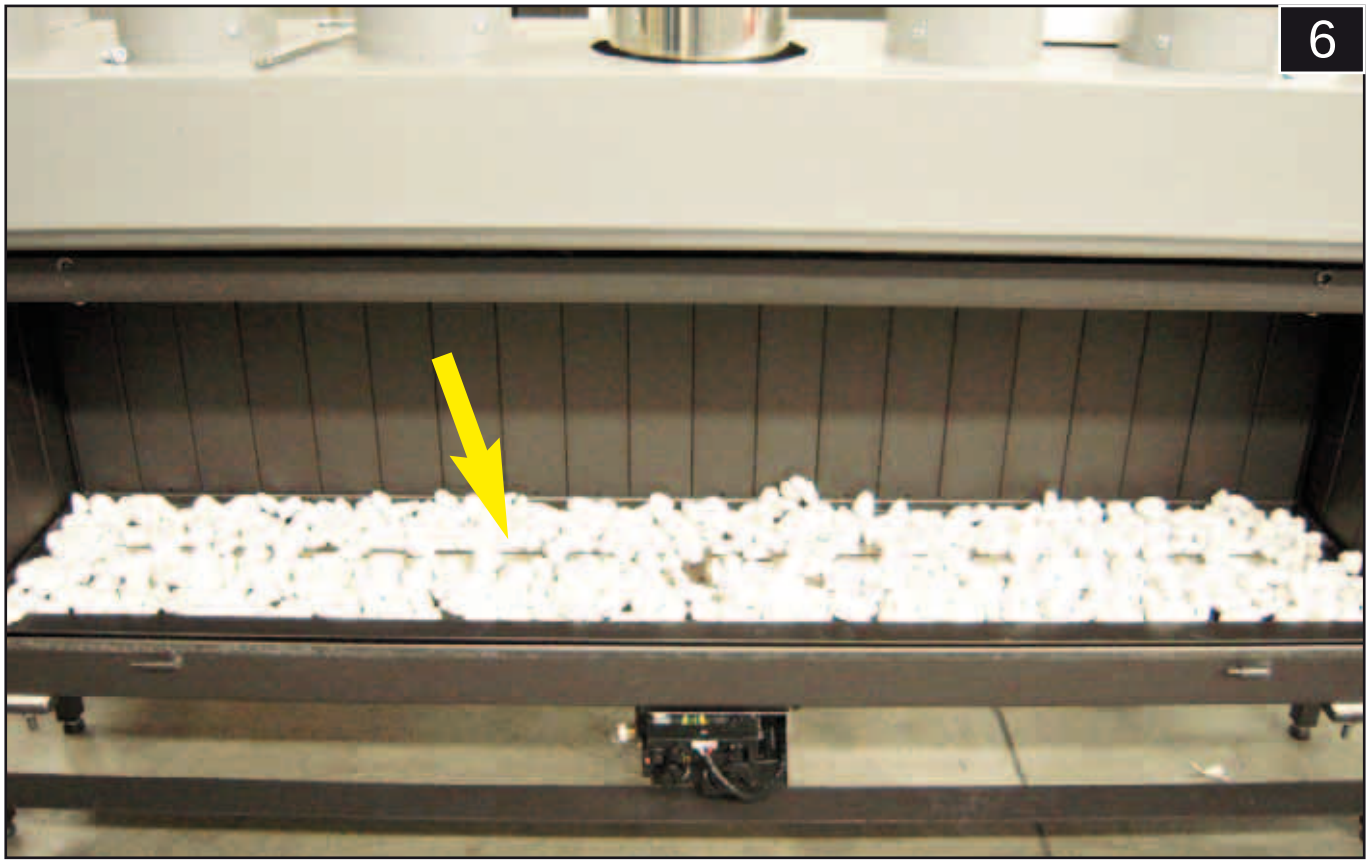
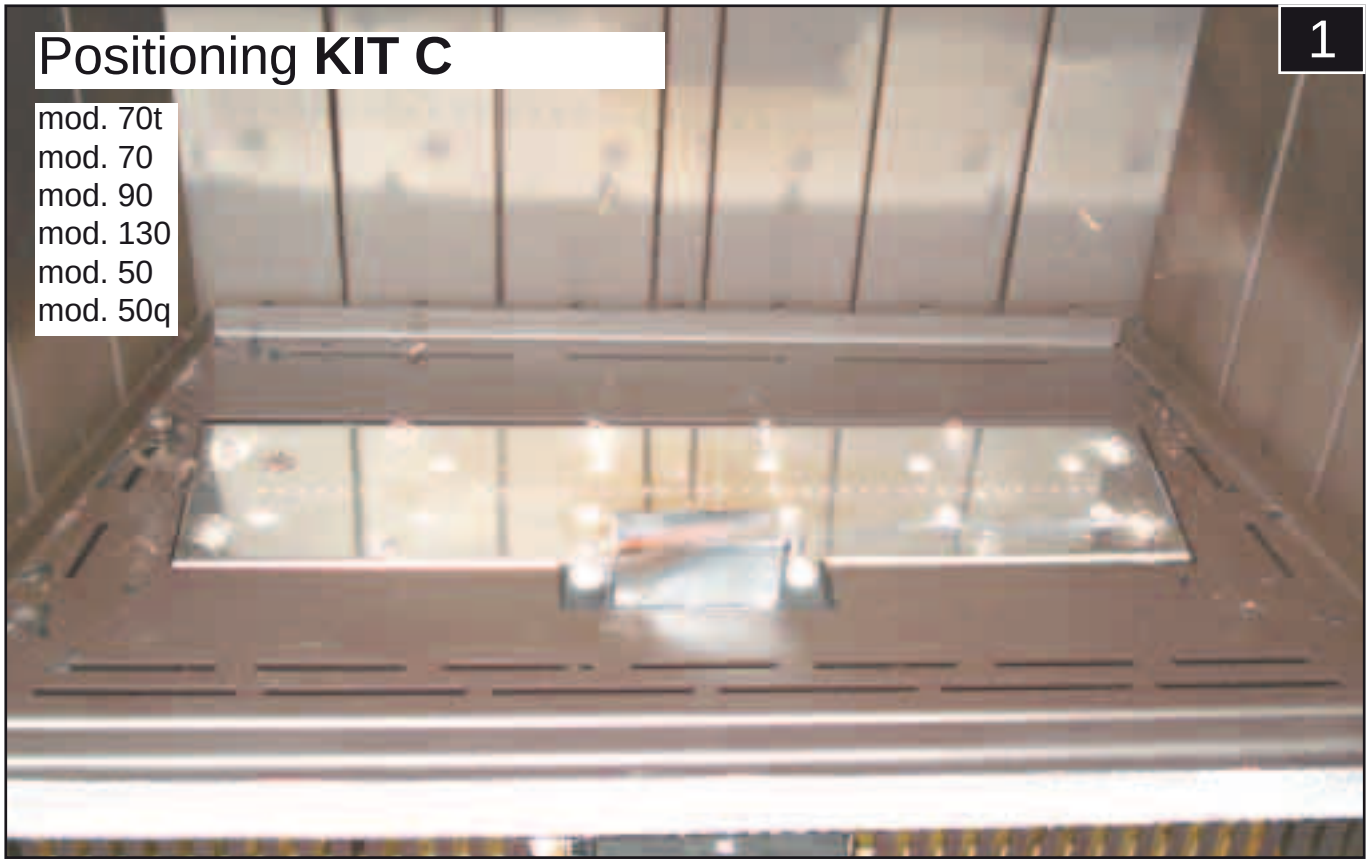

4



Position all the river pebbles (11) inside the insert, END.

Positioning **KIT C**

mod. 70t
mod. 70
mod. 90
mod. 130
mod. 50
mod. 50q



Fireplace insert inner top.

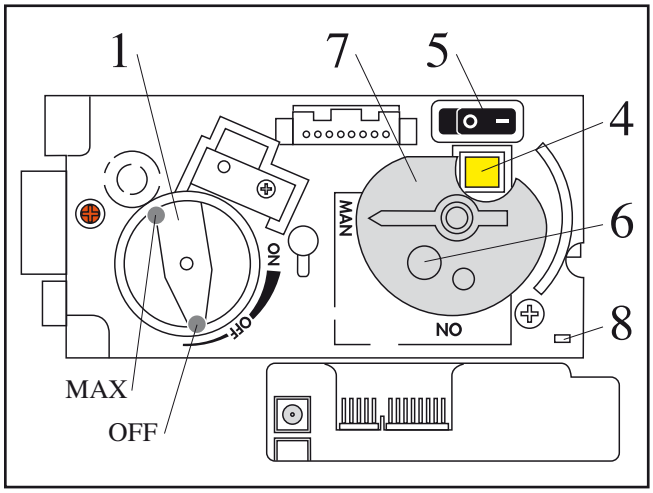
Position all small wood pieces (12) inside the insert, END.

⚠ IMPORTANT! BEFORE PROCEEDING WITH IGNITION, CAREFULLY READ ALL THE INSTRUCTIONS AND PRECAUTIONS SHOWN IN THIS BOOKLET.

When first ignited, the Appliance may give off a bad smell or vapours. This is entirely normal. The best thing is to ventilate the premises adequately.

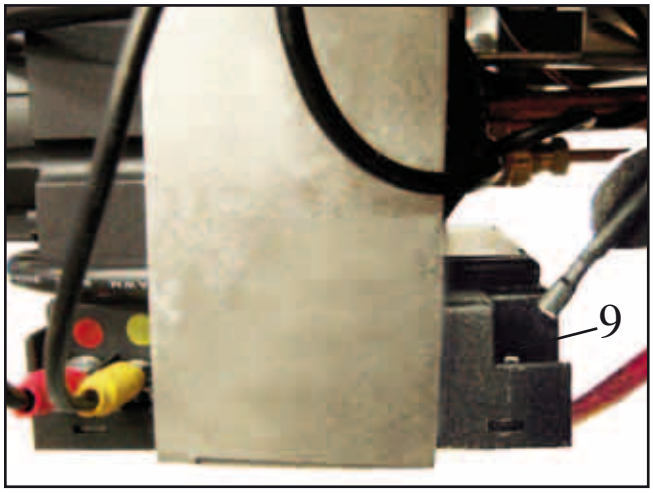
After igniting, allow the appliance to operate for about ten minutes at maximum output, to permit adequate heating.

If the appliance is to be used for short periods of time, it is best not to switch it off but rather leave it with the pilot light on. This way, the formation of condensation is prevented in the pipes that reach the flue and which, in the long term could cause hearth corrosion.



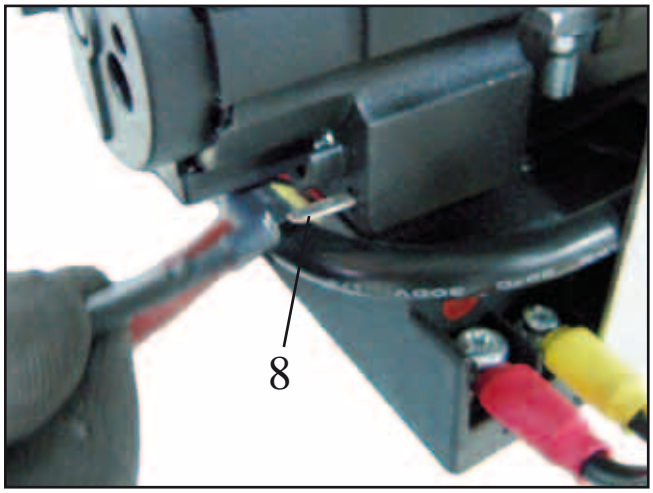
MANUAL CONTROL

⚠ First ignition could be difficult because of the possible presence of air in the gas pipe. In case of short ignition or switch-off of the appliance, wait at least 5 minutes before repeating the ignition operation.



Ignition

- Open the gas supply tap.
- Switch on the valve unit, positioning the switch (5) on "I";
- Position the adjustment knob (1) on "**OFF**";
- Turn the knob (7) to manual "**MAN**";
- Disconnect the ignition lead from the rear connector (9) and fit it in the terminal (8);
- Insert a screwdriver in the hole (6) and keep the magnet Stem pressed;
- Press the piezoelectric ignition button (4), with the magnet Stem pressed, until the pilot flame comes on. Keep the magnet Stem pressed for about 10 seconds, to allow adequate heating of the Thermocouple;
- Remove the screwdriver and release the magnet Stem;
- Turn the knob (7) to automatic "**NO**";
- Turn the knob (1) from "**OFF**" to "**MAX**" according to need.



⚠ In "OFF" position, the pilot flame is not switched off but remains on at minimum.

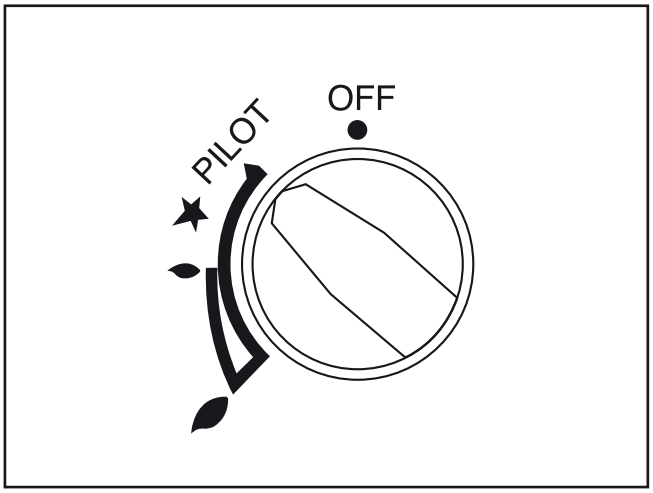
Switch-off

• Switch off the appliance: turn the control knob clockwise and return to "**PILOT**" position.

• To switch the appliance off definitively (prolonged period without use): turn the control knob clockwise as far as "**PILOT**" position.

After reaching this position, press the control knob and turn it to "**OFF**" position.

Close the gas supply tap.



REMOTE CONTROL UNIT

Ignition

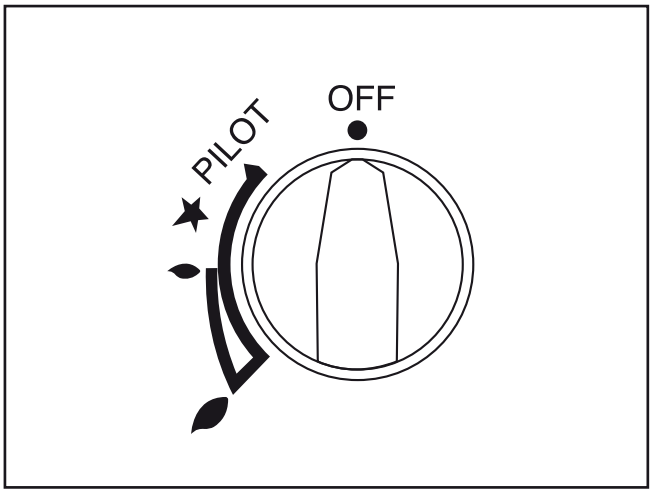
• Open the gas supply tap.

• Press the switch (5) of the gas valve in " I " position.

• Make sure the knob (7) of the manual operation mechanism is positioned on "**ON**".

• Press the keys "**OFF**" and "**triangle UP**" of the remote control at the same time.

• An acoustic signal will indicate the start of the start sequence. The electronic system checks correct gas flow and ignites the main burner (these operations could take up to 20 seconds). After burner ignition, the flame automatically positions on maximum.

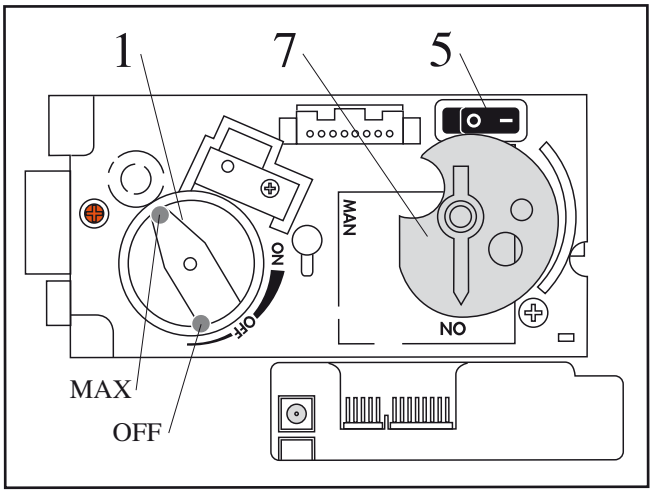


⚠ **If the pilot flame goes out, wait at least five minutes before repeating the described operation. During the start phase, the knob of the manual operation mechanism must be positioned on "ON".**

Operation

Once ignited, the output level of the Appliance can be selected using the remote control.

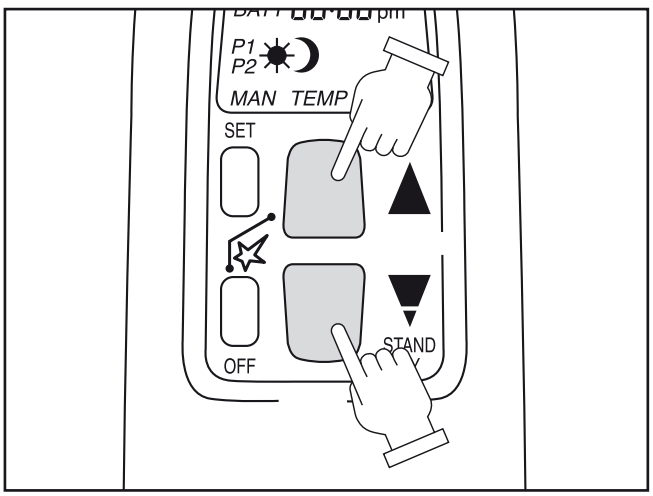
Press the key "**triangle DOWN**" on the remote control to reduce the intensity of the flame and the key "**triangle UP**" to increase it.



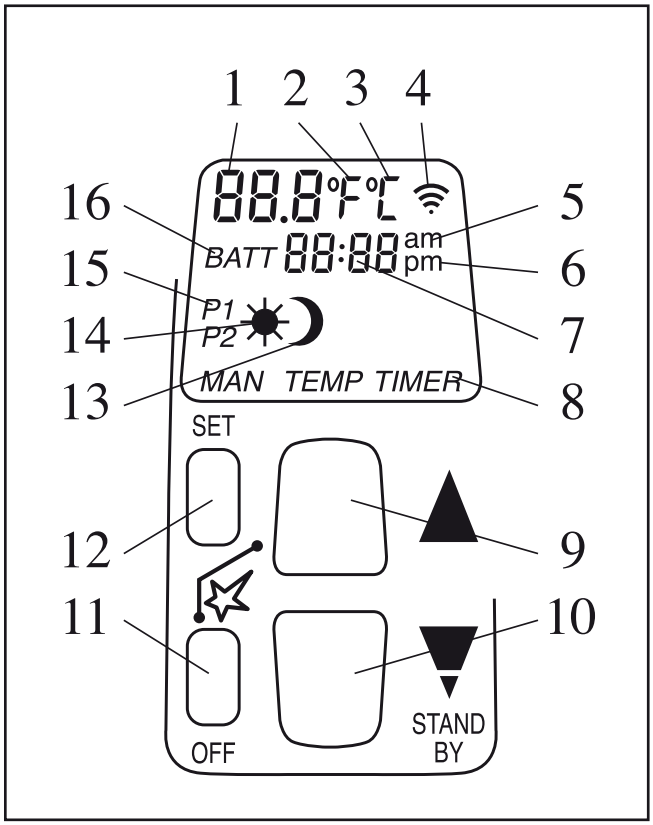
⚠ **Once the Appliance has been switched on, the Manufacturer suggests leaving it running for 10 minutes at max output, before making any adjustments.**

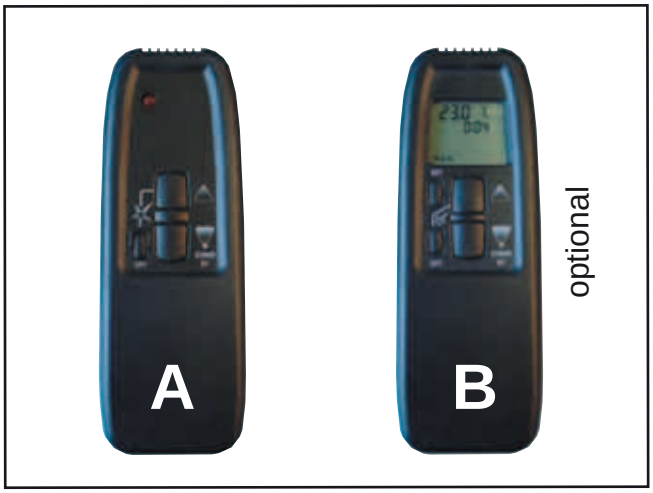
At minimum, the burner remains off, leaving on only the pilot flame.

From minimum position, the output can be turned up without repeating the ignition operation.



Key:
1 - room temperature / required temperature
2 - temperature indicator (Fahrenheit) / 12 hours
3 - temperature indicator (Celcius) / 24 hours
4 - data transmission
5 - AM time indicator
6 - PM time indicator
7 - time
8 - operating mode (MAN - TEMP - TIMER)
9 - flame increase key
10 - flame decrease key
11 - appliance OFF key / setting OK
12 - SET key, operating mode selection:
- MAN, manual control
- TEMP, flame adjustment
- TIMER, On/Off programming
13 - MOON: heating Off
14 - SUN: heating On
15 - program P1 and P2
16 - BATT, low battery level





Operation
This appliance has 2 types of remote control:
A – BASIC model (supplied) with Off and flame increase and decrease keys;
B - model with Display and Timer (optional) with SET, Off and flame increase and decrease keys.

The remote control with Display (optional) controls 3 types of operating mode: **MAN - TEMP - TIMER**.

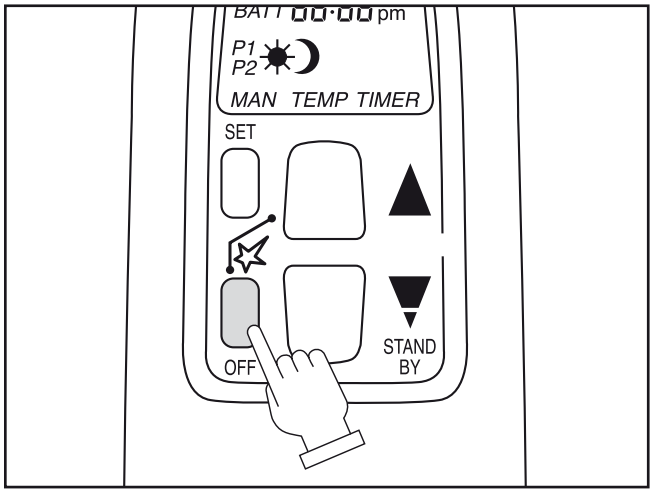
MAN: flame intensity manual control ("**triangle UP**" and "**triangle DOWN**" keys).
From minimum position (burner with pilot flame on) press the "**triangle UP**" key to ignite the fireplace (main burner) or increase flame intensity.
Press the "**triangle DOWN**" key to reduce the flame or lower pilot level. To increase or decrease the flame, lightly press the keys "**triangle UP**" or "**triangle DOWN**" (the screen will show the "**radio wave**" transmission icon).

TEMP: regulation of flame intensity according to the temperature set in the remote control
(see REQUIRED TEMPERATURE PROGRAMMING).
- with **SUN TEMP** sets heating temperature.
- with **MOON TEMP** cuts out the heating cycle.

TIMER: control of On / Off periods according to program set in remote control (see TIMER PROGRAMMING) and adjustment of flame intensity according to the temperature set in TEMP. mode.

Final switch-off
The Appliance can be switched off from any heating position: press the "**OFF**" key on the remote control for a few seconds.
To ensure long battery life, move the switch "**O – I**" (5) on the gas valve to "**O**" position.
The system features an automatic safety lock that prevents further ignition until it is disengaged (this operation could take a few minutes).

⚠ **If the appliance is not to be used for a long period of time, close the gas tap.**

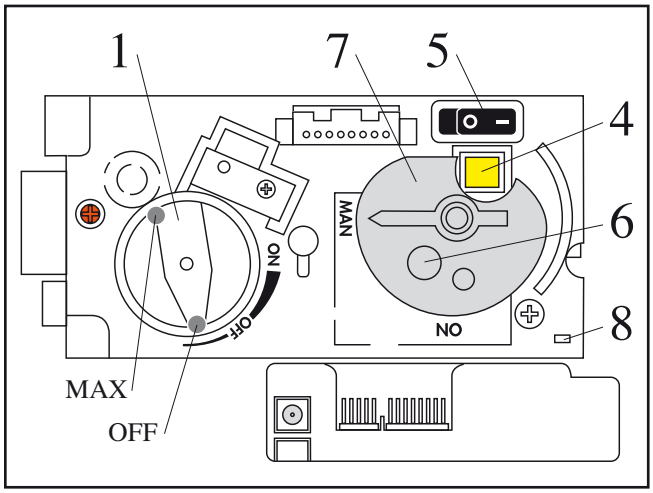


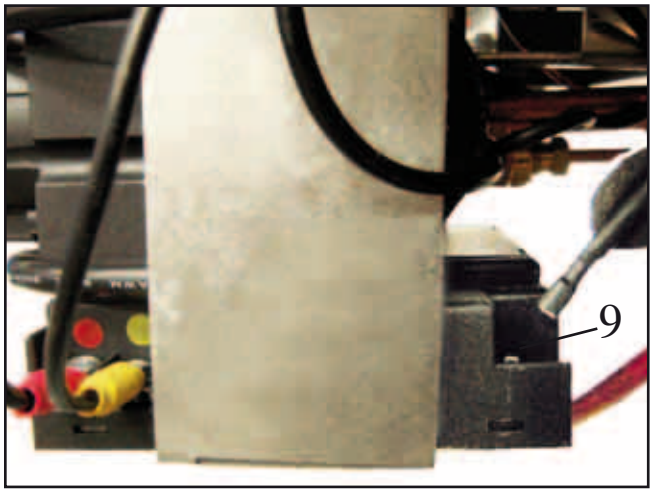
MANUAL OPERATING MECHANISM WITH DISENGAGEMENT OF AUTOMATIC

The system features a "**manual operation**" mechanism that allows starting the appliance manually in case of a receiver unit or remote-control unit fault.

Starting the appliance manually
- Disconnect the lead that connects the receiver unit to the piezoelectric (9) and connect this to the connection (8) on the gas valve.
- Turn the manual operation knob (7) to "MAN" position. In this position, access is freed to the magnet stem (6) and to the piezoelectric spark plug (4).
- Light the pilot flame keeping the magnet stem (6) pressed with a screwdriver and push the piezoelectric spark plug (4) several times so as to produce a spark to ignite the flame.
- Keep this pressed for about 15 seconds, until the pilot flame has stabilised.

If the pilot flame does not stay on once the stem has been released, repeat the entire operation.
As soon as the pilot flame is on steady, turn the manual operation knob (7) to "ON" position.
To regulate the gas, use the second control (1).
The appliance can be disengaged from the manual operation mechanism by means of the switch "**O - I**" (5).

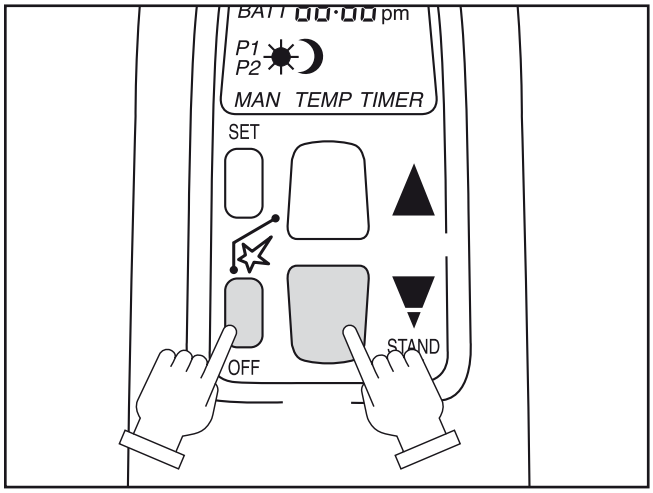


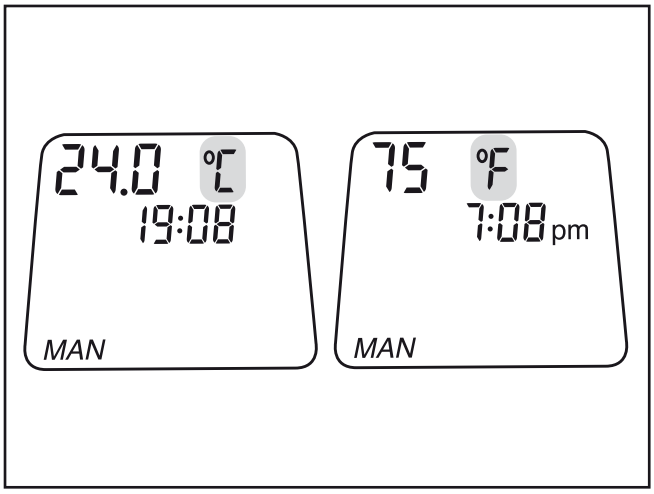


REMOTE-CONTROL UNIT PROGRAMMING

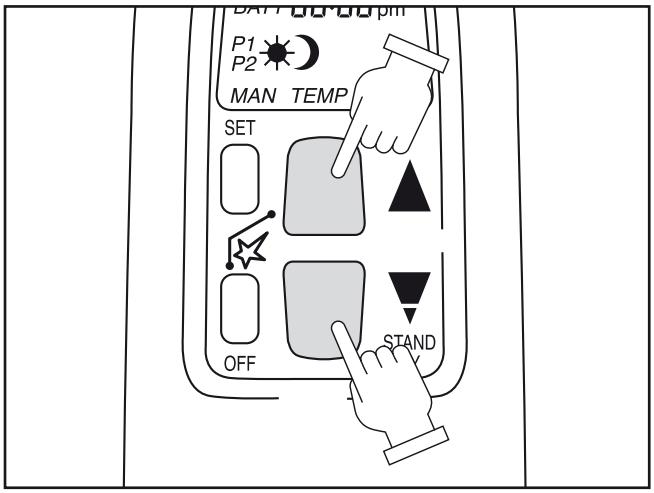
MAN MODE

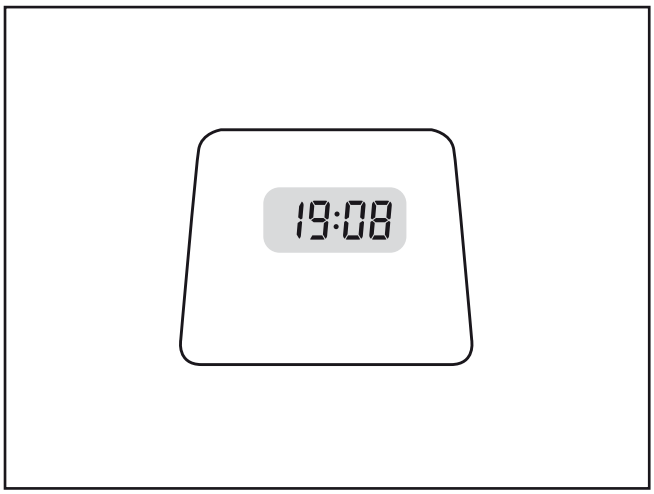
TEMPERATURE setting
- fit the batteries (see “Changing batteries”).
- press the **OFF** and “**triangle DOWN**” keys together to switch the display from **°C** with 24-hour clock to **°F** with 12-hour clock or vice versa.
- release once selection has been made.





Setting the TIME
- press the “triangle UP” and “triangle DOWN” keys together to enter setting mode. The display screen will start to flash.
- press the “triangle UP” key to regulate the hour and the “triangle DOWN” key to regulate the minutes.
Every time the keys are pressed, the clock moves forward by a single unit. For automatic fast forward movement, keep the key pressed.
- press the OFF key to confirm and exit.

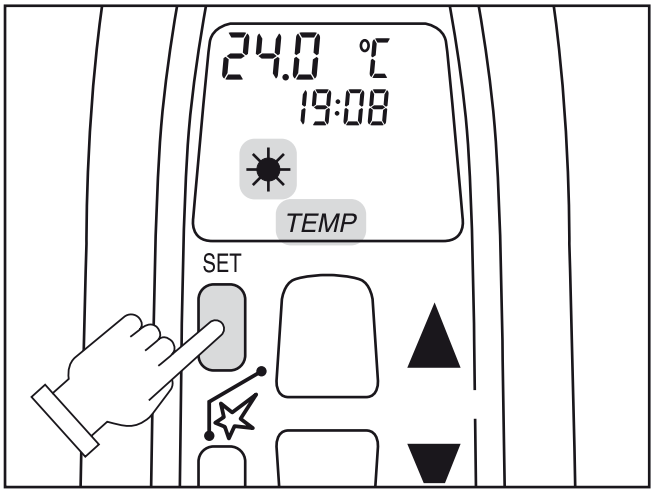




TEMP mode

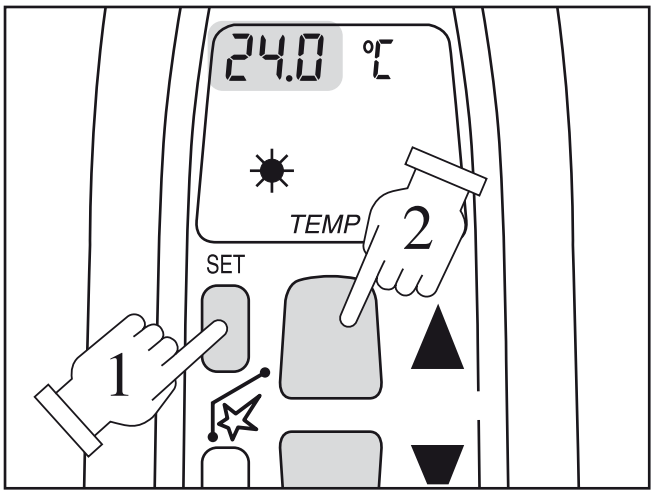
Setting the required TEMPERATURE

- press the **SET** key, with single pressures, to start the **SUN** icon and the message **TEMP**.



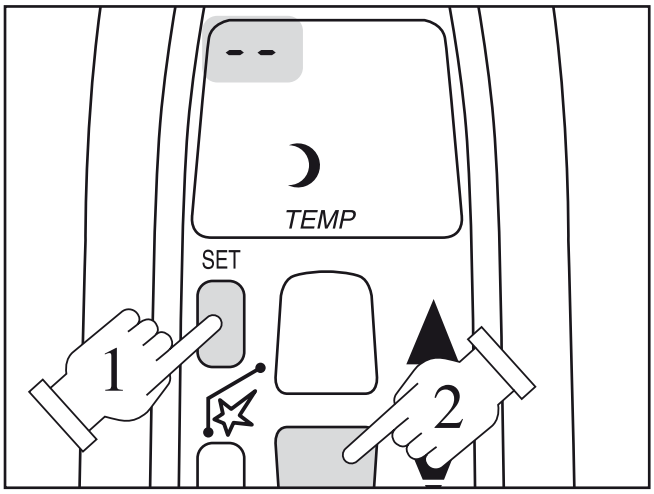
- press the **SET** key for a few seconds. The display will flash and enter setting mode.
- press the "**triangle UP**" and "**triangle DOWN**" keys to set the required temperature.
- wait a few seconds or press the **OFF** key to confirm and exit.

A sensor in the remote control reads the room temperature. The control device compares the room temperature with the set temperature and sends a signal to the receiver which starts the appliance.



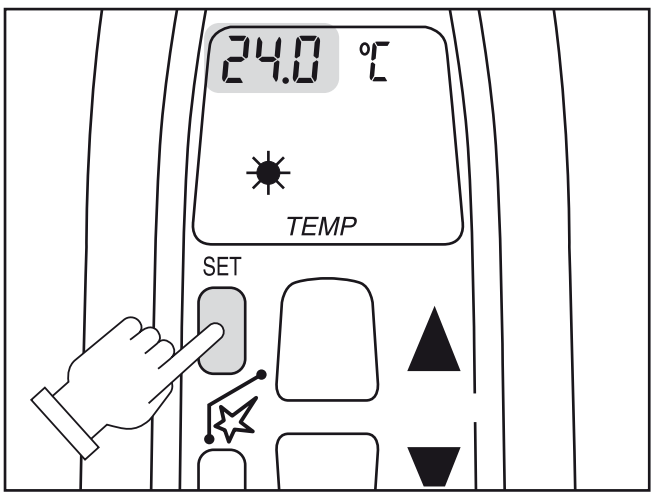
CUTTING OUT THE HEATING CYCLE

- press the **SET** key, with single presses, until the **MOON** icon and the message **TEMP** appear.
- press the **SET** key for a few seconds. The display flashes and enters setting mode.
- press the "**triangle DOWN**" key until **2 dashes "--"** appear.
- wait a few seconds or press the **OFF** key to confirm and exit.



CHECKING THE TEMPERATURE in automatic mode

- press the **SET** key, with single presses, until the **SUN** icon and message **TEMP**. appear.
- press the **SET** key for a few seconds. The display starts to flash and shows the MAX set heating temperature.
- wait a few seconds or press the **OFF** key to confirm and exit.



TIMER mode

TIMER programming

- press the **SET** key, with single presses, until the message **TIMER** appears.

- press the **SET** key for a few seconds. The icon **P1 + "SUN"** will appear and the time starts to flash (period 1, heating cycle on).

- enter period 1 start time: press the "**triangle UP**" key (time) and "**triangle DOWN**" key (minutes).

- press the **SET** key again. The icon **P1 + "MOON"** appears and the time starts to flash (period 1, heating cycle disengaged).

- enter period 1 stop time: press the "**triangle UP**" and "**triangle DOWN**" keys.

- press the **SET** key for a few seconds. The icon **P2 + "SUN"** appears and the time starts to flash (period 2, heating cycle on).

- enter period 2 start time: press the "**triangle UP**" and "**triangle DOWN**" keys.

- press the **SET** key again. The icon **P2 + "MOON"** appears and the time starts to flash (period 2, heating cycle disengaged).

- enter period 2 stop time: press the "**triangle UP**" and "**triangle DOWN**" keys.

⚠ **To programme just one heating period, repeat the same time of P1"SUN /MOON" for P2 "SUN / MOON" as well.**

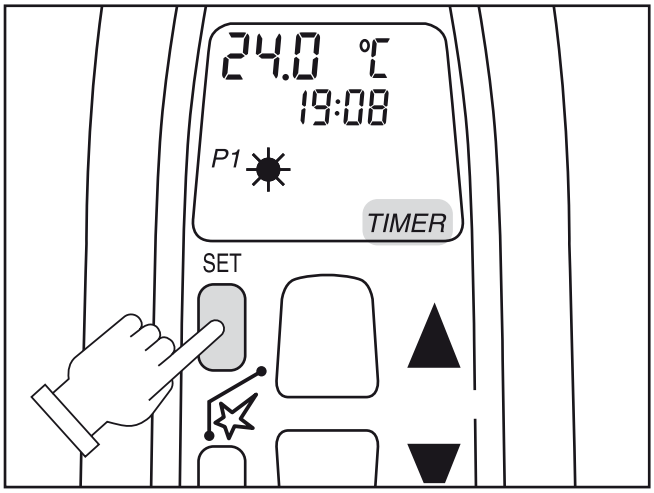
⚠ **Switchover to P1"SUN", P1"MOON", P2"SUN" and P2"MOON" state must be made when the time flashes (setting mode), otherwise the entire cycle starts from the beginning.**

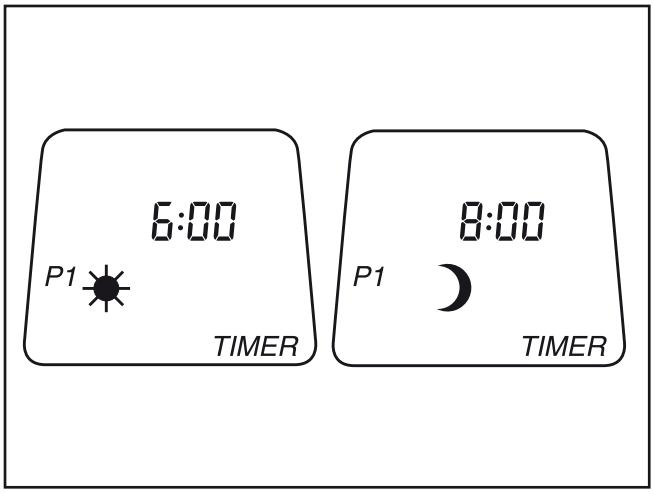
In the heating periods **P1"SUN"** and **P2"SUN"** the temperature is controlled as in automatic mode.
When the timer programme switches to **MOON** (heating disengaged), the motor turns the valve on pilot and cuts out the temperature control thereby reducing battery consumption.

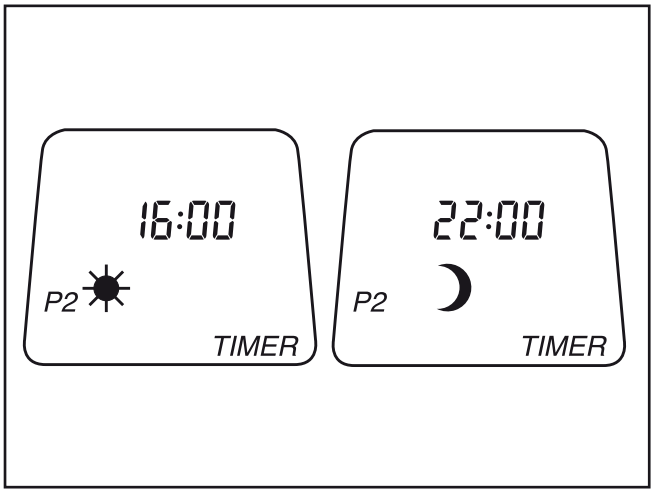
⚠ **In any mode, the "triangle UP" or "triangle DOWN" keys can be pressed to allow manual control to prevail over automatic control.**

To extend battery life:
- remote-control unit in **MAN** mode
- burner on pilot flame, use the "**triangle DOWN**" key
- switch off the appliance.

If the transmitter is left in **TEMP** mode or in **TIMER** mode, the batteries will continue to be used even when the appliance is off.





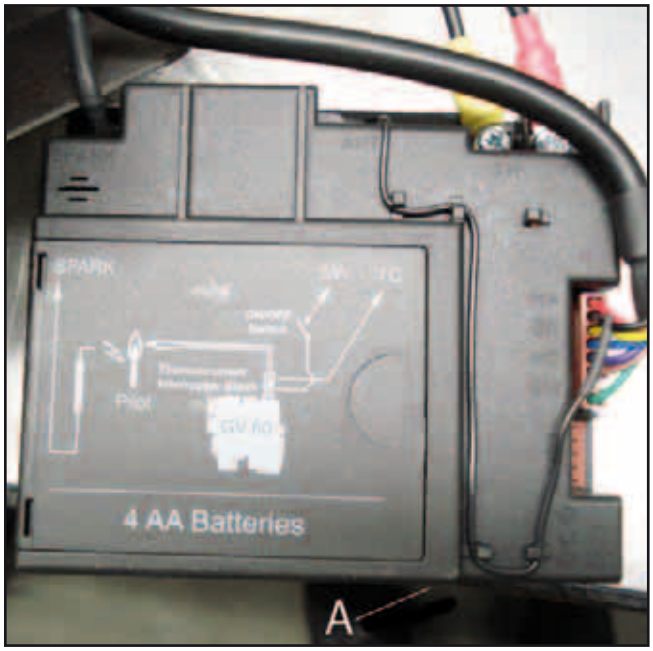


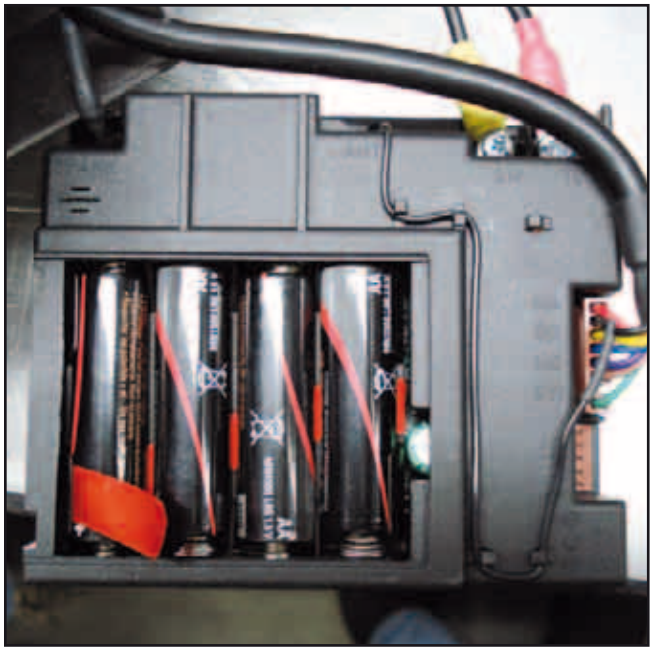
FREQUENCY CHANNELS

The radio control is preset on a code that can be changed from the remote control set.

CHANNEL change:
- open the battery compartment on the rear of the remote-control unit.
- in the top part is a 4-position switch with 16 code combinations.
- key in the new code by lifting or lowering the 4 microswitches as required.
- confirm the change: rest the remote-control unit on the floor, press the "**OFF**" and "**triangle UP**" keys together and, using your other hand and with the aid of a suitable pointed instrument, press the RESET button **"A"** on the receiver.

After completing this operation and the change has been accepted, a short acoustic confirmation signal will be heard.





CHANGING THE BATTERIES

The remote-control unit and the receiver unit are complete with batteries. To change these, remove the shell of the respective compartments and change them, being careful not to switch over the polarities.
Use 1 x 9V PP3 battery in the remote-control unit and 4 x 1.5V AA in the receiver unit.

⚠ **The Remote-control unit with Display (optional) has a small buffer battery (about 10 seconds) which allows changing the down battery without loss of data set by user.**

⚠ **The old batteries must be disposed of in accordance with applicable regulations.**

⚠ **Do not remove the batteries using metal tools as this could seriously damage the electronic contacts.**

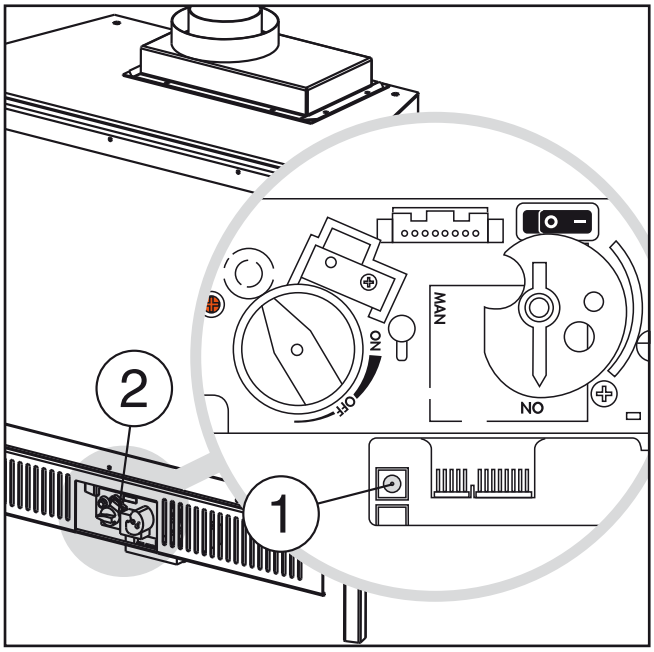
⚠ **Check annually the proper state of preservation and operation of the batteries to avoid any leakage that might damage the contacts and jeopardize the operation unit.**

POWER SUPPLY

The receiving unit, for its operation, requires batteries that run out by frequency of use of the appliance.
To prevent the replacement (about every two years), the device can be connected to the power line connecting the power cord into the socket (1) present on the receiving unit (2).

⚠ **Connecting the appliance to the power line network, the batteries (if present) are automatically excluded and do not activate in the event of sudden absence of the power supply.**

⚠ **To turn the unit in case of power cut simply unplug the power cord from the socket (1) and insert the batteries into the compartment.**



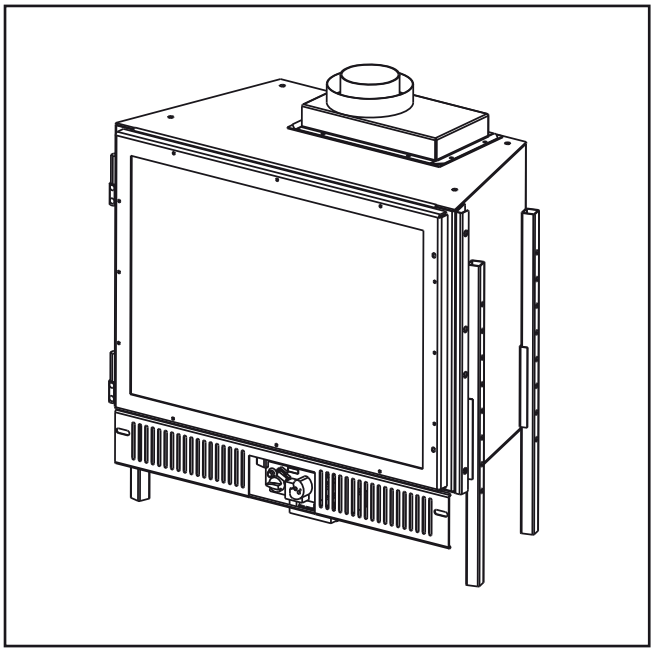
MAINTENANCE

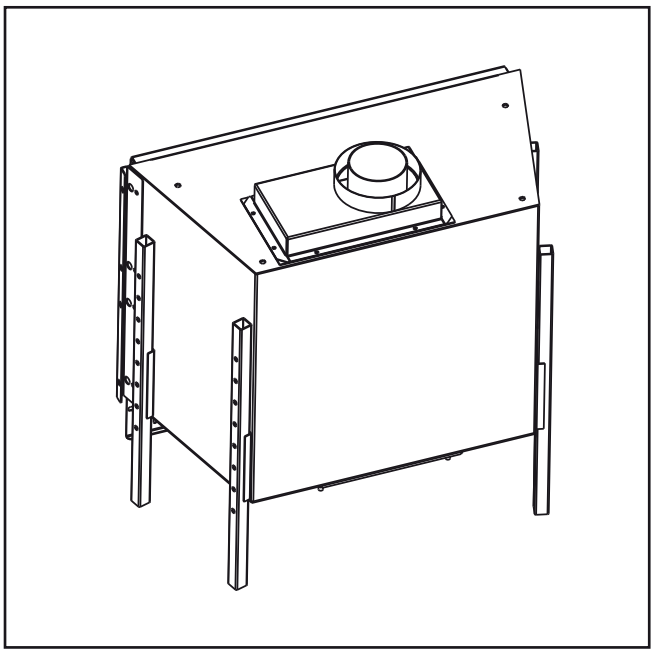
⚠ **Only ever clean the appliance when it is switched off and completely cold.**

Cleaning the casings:

- Stainless steel, clean with a soft and dry cloth before using any kind of detergent (including of the delicate type). After this first operation, it is best to use grease removing detergent such as acetone or vinegar diluted in water.

- Coated metal, use a soft cloth dampened in water.
⚠ **Do not clean the coated metal parts with alcohol, thinners, benzyne, acetones or other grease-removing or abrasive substances. In the event of such products being used, the Manufacturer disclaims all liability for any damage caused: colour changes, scratches, etc.**





ROUTINE MAINTENANCE

⚠ **Any type of job done on the appliance must only be performed by a qualified technician and AT LEAST ONCE A YEAR.**

Cleaning the hearth
- Open the door and delicately remove all the ceramic elements.
- Remove the mat from the upper table of the burner, check its integrity and remove any deposits with the aid of a vacuum cleaner and a soft and **non-metallic brush**.
- Replace the mat.
- Delicately brush and reposition all the ceramic elements and if necessary change the damaged elements.
- Check all the door seals (including glass) and close again.

Check the burner and for any gas leaks
- Make sure the burner is clean and check its integrity.
- Check the gas outlet safety system. If necessary adjust the burner. The technician must also check the regulation pressure at the burner inlet.
- Check the existence of any gas leaks in the system.
- Proceed to check the ignition.

Checking the fireplace.
Check the correct operation of the fume exhaust and combustion air suction pipes.

⚠ **Only use the Manufacturer's original spare parts. The use of non-original parts will immediately invalidate the warranty. These could also be hazardous and damage the appliance.**

⚠ **The Appliance must only be used for the purpose intended by the Manufacturer and for which it was expressly designed and made.**
The Manufacturer disclaims any contractual and non-contractual liability for injuries and damage caused to people, animals or things as a result of the wrong installation, regulation, maintenance or improper use of the Appliance.

⚠ **Spare parts and/or technical jobs require the prior identification of the model of appliance to which they refer.**
The tampering, removal, lack of Technical Plate, etc., will not allow the correct identification of the product and will make installation operations and subsequent maintenance jobs difficult.

FAULTS AND SOLUTIONS

THE PILOT LIGHT DOES NOT IGNITE OR WORK
- Make sure the pilot burner flame is of the correct size for the type of gas used.
- The flame must converge on the thermocouple sensor.
- Make sure the pilot flame has been regulated.

THE MAIN BURNER DOES NOT WORK
- Make sure the pressure and volume of the gas supply to the appliance is adequate. Check by connecting a pressure gauge to the gas pressure point on the gas valve.
- Ignite the appliance and allow it to operate at maximum output. Close all the other gas appliances in the house and calculate the quantity of fuel burnt by reading the meter.

⚠ **Before arranging any element, make sure burner combustion is correct. The flame must be uniform over the entire burner surface.**

THE PILOT FLAME DOES NOT IGNITE OR DOES NOT STAY ON
- Make sure the gas tap is open on the appliance and on the meter/tank.
- Keep the control knob pressed for at least 20 seconds after the ignition of the pilot flame to ensure operation of the thermocouple safety valve.
- Make sure the injector of the pilot burner is not blocked by dust or dirt.
- Make sure the thermocouple has not been damaged during transport. This electromagnetic device is in fact very delicate.
- In case of an LPG fuelled system, make sure there is gas in the tank.

NOTE

Seller

.....

Street .....

tel. .....

Installer

Sir .....

Street .....

tel. .....

Technical Service Assistance

Sir .....

Street .....

tel. .....

Date	Intervention

WARRANTY CONDITIONS

Every ITALKERO apparatus is supplied with a warranty certificate, including the free coupon and the first testing of the convector. The user must be informed, that with this warranty you have all the rights of a costumer, at second the law 99/44 CE.

1) The warranty.
The warranty begins from the date that the Technical service Assistance effectuates the testing, if the convector is not tested the warranty decades. The request of the testing has to be made by Technical service Assistance in the 15 working days from the date of the installation. If the testing is done after the start of the convector, the warranty begins from the date of the delivery.

2) Duration ITALKERO guarantees 10-year duration on the heat exchanger & combustion chamber. All the other components have a warranty of 24 months.

3) Term Decade denunciation obligation. The owner has to denounce the malfunction of the apparatus within 2 months from the identification of it.

4) Warranty exclusion
The present warranty excludes damages & defects coming from:
- Damage during the transport.
- Wrong installation
- Interventions by not authorized persons.
- Electric installation not in compliance with laws and not proper gas usage
- Convector normal use
- Atmospheric agents
- Improper use
- All the cause above don't depend from ITALKERO

The warranty comp rends the restoration compliance of the apparatus. The warranty doesn't cover the damages that are done from people's are other things.

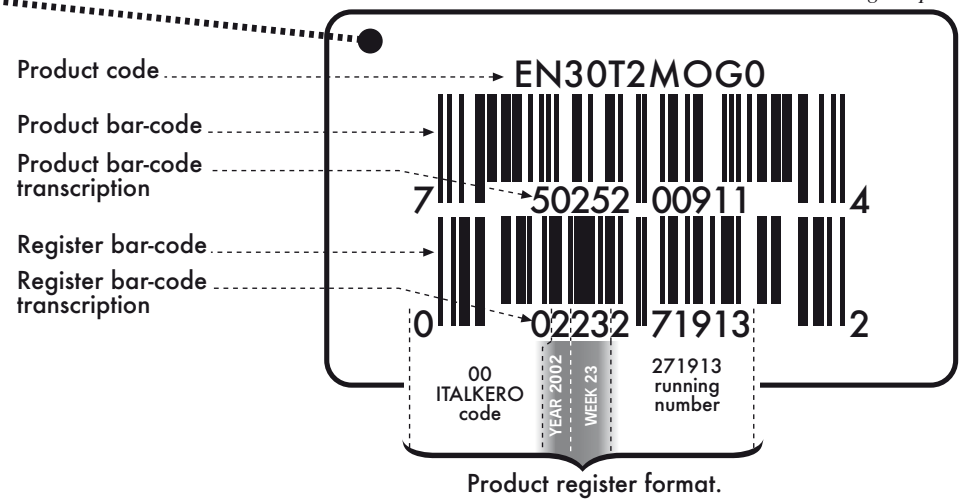
5) On line.
The warranties comprise the testing coupon with out charging the user. The warranty certificate has to be conserved for the Technical Service Assistance. Whenever there are going to be any original malfunction of the apparatus coming from the projection, or the fabrication, the user is going to have a free exchange of the apparatus if all the precaution is been taken from an installater. These intervenes are effectuated freely for the user, for the elimination of the original defects. The material warranted is exclusively prarty of ITALKERO and it has to be returned with out any other damages, and provided with the appositive label compile from Technical Centre Assistance. Intervenes & substitution that are caused from persons are other things the cost price are excluded.

6) Territorial validity.
The warranty is valid only if the convector is installed in the National Italian territory.

7) Acceptance.
The warranty is convaliteted only if the testing coupon, is proprely completed in all his parts, this has to be signed by a Centre Assistance and from the User that going to conform and understand all the above indicated clause.

example of Warranty certificate

Sticking coupon



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