



**MONDAY150++**

**MANUAL**

installation, use and maintenance  
digital

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APP SmartEK63  
Scan the  
QR-CODE

# **1. NOTE ON EDITION AND LANGUAGE**

## **1.1. Note on the language of the manual**

Original edition in Italian. Manuals in other languages are translated from the original manual in Italian.

## **1.2. Digital online edition**

Dear Customer/Installer

Please read this document carefully together with the user manual which can be found inside our product.

The information contained in it are suggestions which in no way replace the responsibility of the installer - maintenance technician.

All local and national laws and European Standards must be complied with as regards the correct sizing, installation, maintenance and use of the product.

For installation and for anything not expressly mentioned, please refer to local and national regulations in the country where the product is used.

The diagrams in this manual are purely indicative and in no way can the company be held liable.

How to download the manual:

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- access the download area, [www.edilkamin.com](http://www.edilkamin.com)
- click on "Installation, use and maintenance manual".
- Select the language, the product type and the product name from the drop-down lists.
- Click on "download" to download the manual in pdf.

## 2. CE MARKING INFORMATION

The writer EDILKAMIN S.p.a., with registered office in Via P. Moscati 8 - 20154 Milan - Fiscal Code/VAT No. 00192220192, declares under its own responsibility that the products shown on the cover comply with EU Regulation 305/2011 and with the harmonised European product standard in force

The declaration of performance is available on the website [www.edilkamin.com](http://www.edilkamin.com)

It also declares that:

the products shown on the cover meet the requirements (where applicable) of the following European Directives:

2014/35/EU-Low Voltage Directive

2014/30/EU-Electromagnetic Compatibility Directive

2014/53/UE:RED

2011/65/EU-RoHS Directive

2009/125/EU-Ecodesign

2010/30/EU-Labelling

## 3. INTRODUCTION

### USER/INSTALLER

Dear Madam / Sir

We thank you and congratulate you for choosing our product. Please keep the manual for the entire service life of the product. If lost, ask your retailer for a copy or download it from the download area on the website [www.edilkamin.com](http://www.edilkamin.com)

### 3.1. Recipients of the manual

This manual is for:

- the person who uses the product at home ("USER")
- the technician who installs the product ("INSTALLER") who can find other material on the website

The recipient of the chapter (USER/INSTALLER) is indicated at the start of the chapter

### 3.2. General notes




After unpacking the product, check the integrity and completeness of the contents.

If any anomalies are found, immediately contact the retailer from whom it was purchased, to whom a copy of the warranty certificate and of the tax document must be given.

All local and national laws and European Standards must be complied with as regards the correct sizing, installation, maintenance and use of the appliance. For installation, maintenance and for anything not expressly mentioned, please refer to the local regulations in force in the country where the product is used.

The diagrams in this manual are purely indicative: they do not always strictly refer to the specific product and in no case are they contractual.

### 3.3. Meaning of the symbols

	<b>PROHIBITION:</b> Indication of operations that must NOT be performed, to avoid damage.
	<b>ATTENTION:</b> Carefully read and understand the message it refers to because failure to comply may result in serious damage to the product and put the user's safety at risk.
	<b>INFORMATION:</b> Not following these instructions will compromise the use of the product.

### 3.4. Product identification and warranty.

The product is uniquely identified by a number, the “warranty slip or serial number” which can be found on the warranty certificate. Please keep:

- The warranty certificate that you found in the product
- The tax document issued by the retailer
- The declaration of conformity issued by the installer. Check local and national regulations.

The warranty conditions are indicated in the warranty certificate which can be found in the product and on the website [www.edilkamin.com](http://www.edilkamin.com)



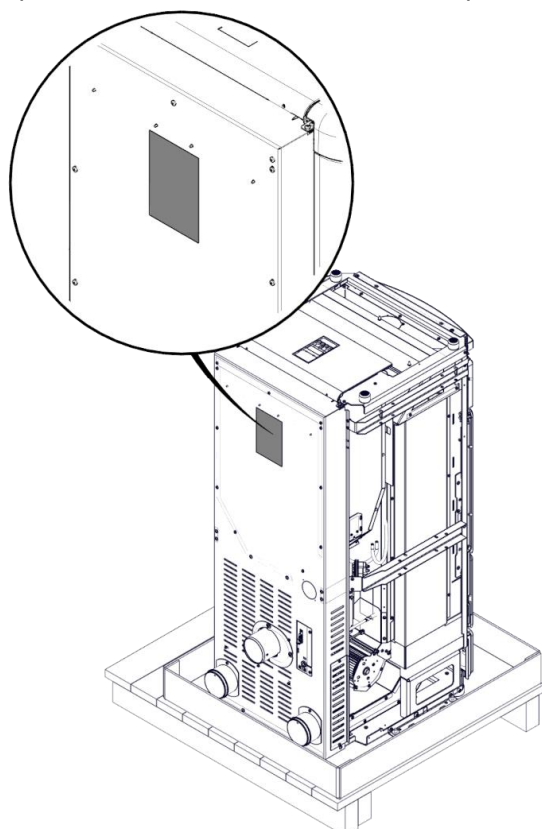
Example of warranty certificate

### 3.5. CE plate: Data and position



We recommend taking a photo of the CE plate, which shows the data according to the harmonised product standard and the warranty slip (serial number), for all required uses.

The CE plate can be found on the back of the product



22

Residential space heating appliances fired by wood pellet/  
Raumheizer zur Verfeuerung von Holzpellets/Appareil de  
chauffage domestique à granules de bois/Apparechio per il  
riscaldamento domestico alimentato con pellet di legno

DOP

EK243

Notified body

1880

EN

14785

SERIAL NUMBER

Anno di costruzione/ Year of construction

MODEL/ MODELLO

MONDAY150++

Function INT

System 3

R 150 mm

B 150 mm

L 150 mm

Minimum clearance distance  
from combustible materials/  
distance minime da materiale  
infiammabile

Nominal

Reduc. Unit

$P_{e, nom}$  /  $P_{w, part}$  / kW

$P_{nom}$  14,8  $P_{part}$  4,8 kW

$\eta_{nom}$  89,9  $\eta_{part}$  93,9 %

$CO_{nom} (13\%O_2)$  66  $CO_{part} (13\%O_2)$  38 mg/m<sup>3</sup>

$NO_{nom} (13\%O_2)$  117  $NO_{part} (13\%O_2)$  106 mg/m<sup>3</sup>

$OGC_{nom} (13\%O_2)$  2  $OGC_{part} (13\%O_2)$  3 mg/m<sup>3</sup>

$PM_{nom} (13\%O_2)$  11  $PM_{part} (13\%O_2)$  8 mg/m<sup>3</sup>

$T_{nom}$  203  $T_{part}$  96,7 °C

$P_w$  / bar

W 200 W

Operating voltage 230 V

Rated frequency 50 Hz

Use the following recommended fuels: Wood pellets

Use the following recommended fuels: Wood pellets


Manufacturer Edilkamin  
[www.edilkamin.com](http://www.edilkamin.com)  
Mascagni 7 Lainate (MI) ITALY

cd. 3710743 ed. A12.22



## 4. SAFETY INFORMATION

USER/INSTALLER

	<p>The characters of the safety information are larger according to the standards</p>
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### 4.1. General notes for the safe use of the product

For the safe use of the product, carefully read the operating instructions section of the manual.

If something is not clear, do not act on your own initiative but contact the retailer or the installer. The names of Edilkamin's contracted and licensed technical service centres are available ONLY at [www.edilkamin.com](http://www.edilkamin.com)

The product is not designed to be used by people, including children, with reduced physical, sensory or mental capabilities.

The product is not designed for cooking.

The product is designed to burn category A1 wood pellets in accordance with UNI EN ISO 17225-2, in the amounts and in the manner described in this manual.

The product is designed for indoor use and in environments with a normal level of humidity. Therefore, keep the product in a dry place, protected from adverse weather conditions.

The product is designed to operate only with the covers fitted. Otherwise there is a risk of accessible live parts.

#### **4.2. Recommendations and prohibitions for the safe use of the product**

Use the product only after it has been installed by qualified technicians in a workmanlike manner and in accordance with local and national regulations.

Power up the product only after it has been fully assembled and the covers have been fitted.

Do not install in rooms where there is a risk of fire. There is a risk of damage to property and people.

Do not touch hot parts and, when the product is off but still hot, use suitable precautions (e.g. fire resistant gloves).

Do not access internal parts. When it is connected to the electrical power supply, there is a risk of electric shock.

Do not ignite or stoke the flame with liquid sprays or flame throwers. There is a risk of serious burns and damage to property and people.

Do not burn waste, plastic materials or anything other than wood pellets. There is a risk of soiling the product, causing a fire in the chimney and damaging the room.

Do not vacuum hot ash. There is a risk of damaging the vacuum cleaner and possibly smoke in the room.

Do not clean using flammable or unsuitable products. There is a risk of fire or backdraught.

Do not clean the glass when it is hot or using unsuitable products. There is a risk of cracking the glass or causing irreversible damage to it.

Do not place flammable materials closer than the safety distances indicated in this manual and in the declaration of performance. For example, do not place drying racks closer than the safety distance. There is a risk of fire.

Do not keep any type of flammable liquid near the product. There is a risk of fire.

Do not block the ventilation openings in the room or the air inlets or chimney. There is a risk of smoke entering the room with the risk of causing damage to property and people.

Do not use the product as a support or as a ladder. There is a risk of damage to property and people.

Do not attempt to use the product with the door open or throw hot material out of the product. There is a risk of fire.

Do not use the product if the glass is broken.

Do not use water in case of fire and contact your local authorities.

#### **4.3. Possible risks if the installation, operation and maintenance instructions are not followed**

Risk of BURNS in case of contact with hot parts.

Risk of ELECTRIC SHOCK in case of contact with internal parts when connected to the electrical power supply.

Risk of INJURY to hands if used carelessly or by people with reduced skills, if the safety devices are removed or if access to the internal parts is attempted.

Risk of FIRE if the installation, operation and maintenance instructions are not followed.

Risk of ASPHYXIATION if failure to comply with the installation, operation and maintenance instructions results in the obstruction of the smoke exhaust and of the air intakes.

Risk of DAMAGE to property and people if the electrical system does not have an efficient earthing system.

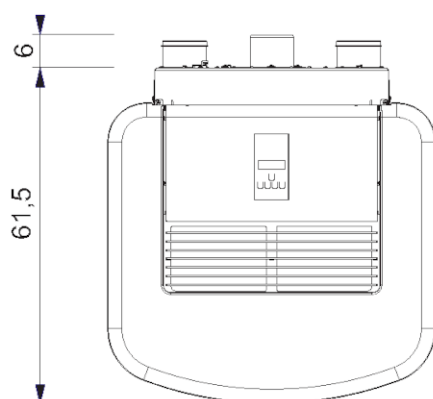
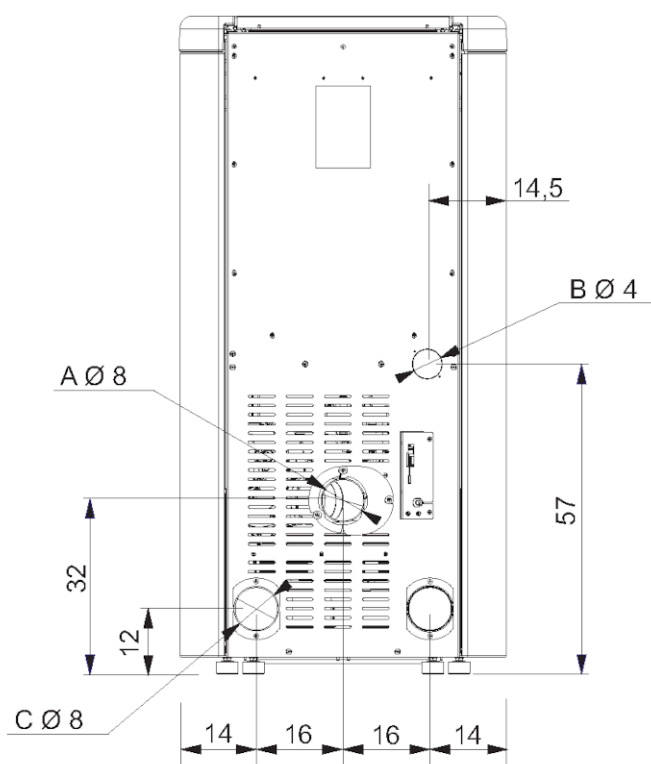
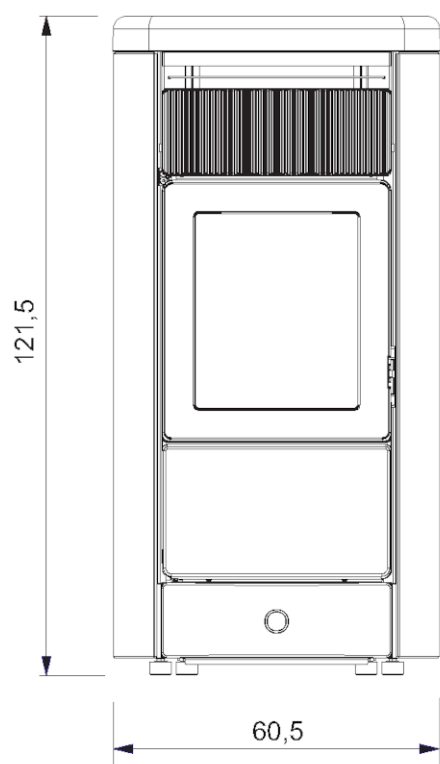


## 5. DIMENSIONS

### USER/INSTALLER

- A: smoke outlet
- B: combustion air inlet
- C: air outlet for ducting (if present)
- D: delivery (for hydro products)
- E: return (for hydro products)
- F: load (for hydro products)

#### Dimensions in cm



## 6. TECHNICAL DATA

USER/INSTALLER

### 6.1. Technical data according to the product standard

The data shown is indicative and obtained during the certification phase at a notified body according to current regulations.

The results were obtained with the glass cleaning air closed. It is the responsibility of the installer to use the gasket supplied and to adjust the parameters.

Quantity			
	MONDAY150++		
	Rated power	Reduced power	
Output power	14,8	4,8	kW
Yield	89,9	93,3	%
CO emissions at 13% O <sub>2</sub>	0,005	0,003	%
Smoke temperature	203	97	°C
Fuel consumption	3,4	1,1	kg/h
Hopper capacity	32		kg
Draught	11,9	8	Pa
Autonomy	9	29	Hours
Minimum volume of installation room	48		m <sup>3</sup>
Heatable volume	385		m <sup>3</sup>
Smoke duct diameter	80		mm
Air intake duct diameter	40		mm
Weight with packaging	181		kg
Energy efficiency class (Regulation 1185/2015)	A+		
Environmental Class according to the Italian Ministerial Decree 186	4 stars		
Minimum distance of combustible materials from Back/Side/Front	150/150/800		mm
Minimum distance of combustible materials from Ceiling/Floor	NPD: (No declared performance)		mm

#### NOTES ON THE TECHNICAL DATA

- To calculate consumption, a heating value of 4.8 kW/Kg was used.
- The heatable volume is calculated considering a heat demand of 33 Kcal/m<sup>3</sup> per hour.
- The autonomy may vary depending on the use/installation/fuel characteristics and it is not a contractual obligation, nor is it a possible cause for dispute.
- The product can work safely also with a higher draught. However, an excessive draught may result in switch-off and/or decreased efficiency.

## 6.2. Technical data for sizing the chimney system

Quantity			
	MONDAY150++		
	Rated power	Reduced power	
CO <sub>2</sub>	14	9,4	%
Smoke temperature at exhaust	244	116	°C
Minimum draught	0,01		Pa
Flue gas flow rate	7,7	3,7	g/s



**The chimney system and the installation as a whole must comply with the instructions given in this manual and with all local and national regulations. The installer is responsible for the installation**

## 6.3. Electrical data

Quantity		
	MONDAY150++	
Power supply	230	Vac
Frequency	50	Hz
Rated power consumption	130	W
Reduced power consumption	30	W
Power consumption in stand-by	2	W
Rated electrical power	200	W
Protection	Fuse 3,15 AT,250 Vac 5x20	



**The installation must comply with national and local regulations. For safety reasons, the electrical system must comply with legal standards. Correct earthing is essential.**

## 6.4. ECODESIGN technical data



Inclusa nell'albo dei laboratori altamente qualificati, autorizzati dal Ministero dell'Università e della Ricerca Scientifica e Tecnologica ex art. 4 legge n. 46/82 (D.M. 25 maggio 1990)

### ECODESIGN REQUIREMENTS FOR LOCAL SPACE HEATERS ACCORDING TO DIRECTIVE 2009/125/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL - COMMISSION REGULATION (EU) 2015/1185 -

<b>EK63 – MONDAY150++</b>											
<b>Indirect heating functionality: NO</b>											
<b>Direct heat output: 14,8 kW (space heat output)</b>											
<b>Indirect heat output: ---- kW (water heat output)</b>											
Fuel	Preferred fuel (only one):	Other suitable fuel(s):	$\eta_s$ [%]:	Space heating emissions at nominal heat output(*)				Space heating emissions at minimum heat output(**)(***)			
				PM	OGC	CO	NOx	PM	OGC	CO	NOx
				mg/m <sup>3</sup> at 13%O <sub>2</sub>				mg/m <sup>3</sup> at 13%O <sub>2</sub>			
Log wood, moisture content ≤ 25 %	no	no									
Compressed wood with moisture content < 12 %	yes	yes	87,0	11	2	66	117	8	3	38	106
Other woody biomass	no	no									
Non-woody biomass	no	no									
Anthracite and dry steam coal	no	no									
Hard coke	no	no									
Low temperature coke	no	no									
Bituminous coal	no	no									
Lignite briquettes	no	no									
Peat briquettes	no	no									
Blended fossil fuel briquettes	no	no									
Other fossil fuel	no	no									
Blended biomass and fossil fuel briquettes	no	no									
Other blend of biomass and solid fuel	no	no									

### Characteristics when operating with the preferred fuel only:

Seasonal space heating energy efficiency  $\eta_s$  [%]: **87,0**

Energy efficiency index EEI: **127**

Energy efficiency class: **A+**

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
<b>Heat output</b>				<b>Useful efficiency (NCV as received)</b>			
Nominal heat output	$P_{nom}$	<b>14,8</b>	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	<b>89,9</b>	%
Minimum heat output (indicative)	$P_{min}$	<b>4,8</b>	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	<b>93,9</b>	%
<b>Auxiliary electricity consumption</b>				<b>Type of heat output/room temperature control (select one)</b>			
At nominal heat output	$e_{l,max}$	<b>0,130</b>	kW	single stage heat output, no room temperature control		<b>NO</b>	
At minimum heat output	$e_{l,min}$	<b>0,030</b>	kW	two or more manual stages, no room temperature control		<b>NO</b>	
In standby mode	$e_{l,SB}$	<b>0,002</b>	kW	with mechanic thermostat room temperature control		<b>NO</b>	
<b>Permanent pilot flame power requirement</b>				with electronic room temperature control		<b>NO</b>	
Pilot flame power requirement (if applicable)	$P_{pilot}$	<b>N.A.</b>	kW	with electronic room temperature control plus day timer		<b>NO</b>	
				with electronic room temperature control plus week timer		<b>YES</b>	
				<b>Other control options (multiple selections possible)</b>			
				room temperature control, with presence detection		<b>NO</b>	
				room temperature control, with open window detection		<b>NO</b>	
				with distance control option		<b>YES</b>	
Contact details	Name and address of the manufacturer or its authorized representative.						
Tel. +39 02 937621 www.edilkamin.it mail@edilkamin.it	Manufacturer: EDILKAMIN SPA Via Mascagni 7 20020 Lainate (MI) – ITALY						

(\*) PM = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NO<sub>x</sub> = nitrogen oxides

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

Issue date: July 28, 2022

Head of Test Laboratory  
Dr.ssa Claudia Marcuzzi

Firmato digitalmente  
da MARCUZZI  
CLAUDIA  
Data: 2022.07.28  
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## 7. UNPACKING


	<b>Only qualified personnel can unpack the product, in accordance with the safety regulations</b>
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### INSTALLER

#### 7.1. Notes on unpacking

The materials that compose the packaging are neither toxic nor harmful and as such do not require special disposal processes.

Storage, disposal or possibly recycling is the responsibility of the end user in accordance with the applicable laws. The packaging may be different in different countries for regulatory and transport reasons.

	<b>Perform all handling operations with the package upright, using suitable equipment and complying with current safety regulations. Do not overturn the package and take great care with the parts to be assembled.</b>
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	<b>DO NOT LEAVE PACKAGING WITHIN THE REACH OF CHILDREN. Packaging material (e.g. plastic, sheets of film) can be dangerous for children. There is a risk of suffocation.</b>
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## 7.2. Packaging disposal instructions

	<b>Guidance notes:</b> <b>Comply with the local and national regulations</b>
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DESCRIPTION	INSTRUCTIONS FOR COLLECTION
Wooden pallet	Separate collection
Wooden crate	Wood
Wooden pellet	Check the regulations of the relevant authority
Cardboard box	Separate collection
Cardboard corner	Paper
Appliance bag	Separate collection
Accessory bag	Plastic
Bubble wrap	Check the regulations of the relevant authority
Protective sheet	Check the regulations of the relevant authority
Labels	Check the regulations of the relevant authority
Polystyrene	Separate collection
Straps	Separate collection
Adhesive tape	Plastic
Hardware	Separate collection
Staples for straps	Metal
Fixing bracket	Check the regulations of the relevant authority

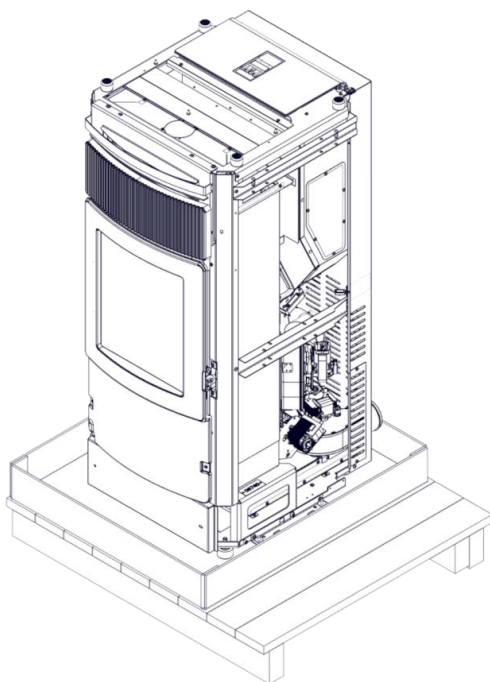
### 7.3. Remove from the pallet



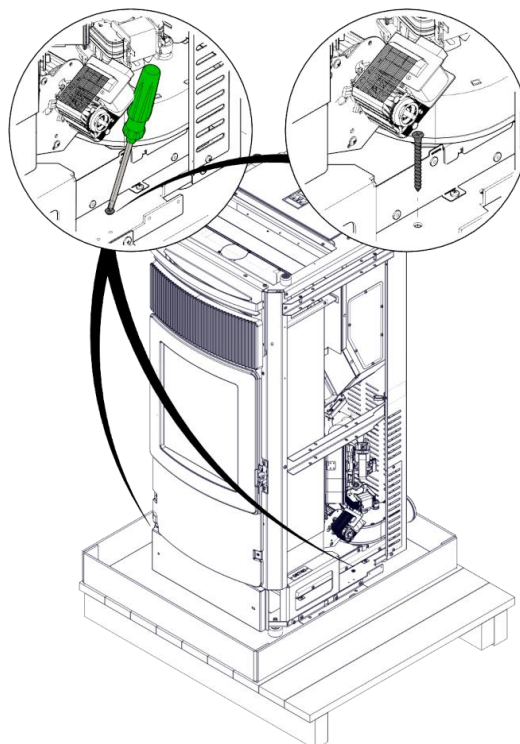
**Do not attempt to remove the product from the pallet before removing the screws. Only qualified personnel can remove the product from the pallet, in accordance with the safety regulations. The installer can find the complete instructions on the website.**



**THE DRAWINGS ARE INDICATIVE. THEY ARE USEFUL FOR ASSEMBLY, BUT THEY DO NOT ALWAYS REFER TO THE SPECIFIC MODEL.**

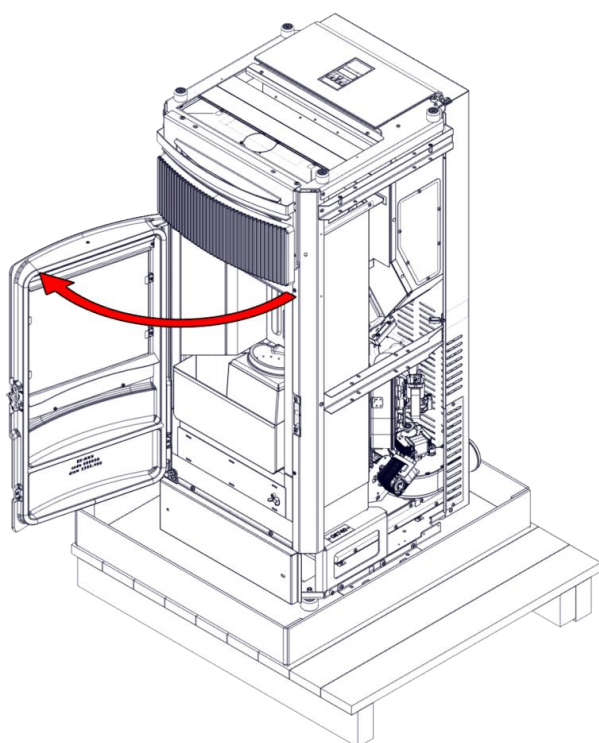


**Starting situation**

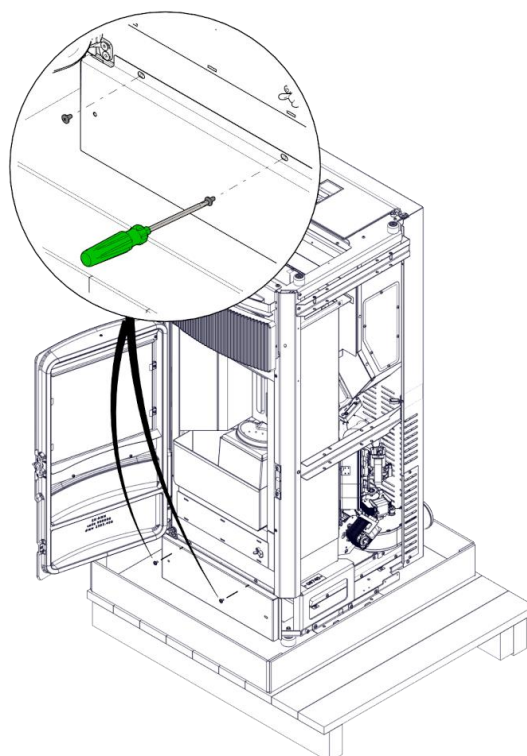


**1) Unscrew the screws**

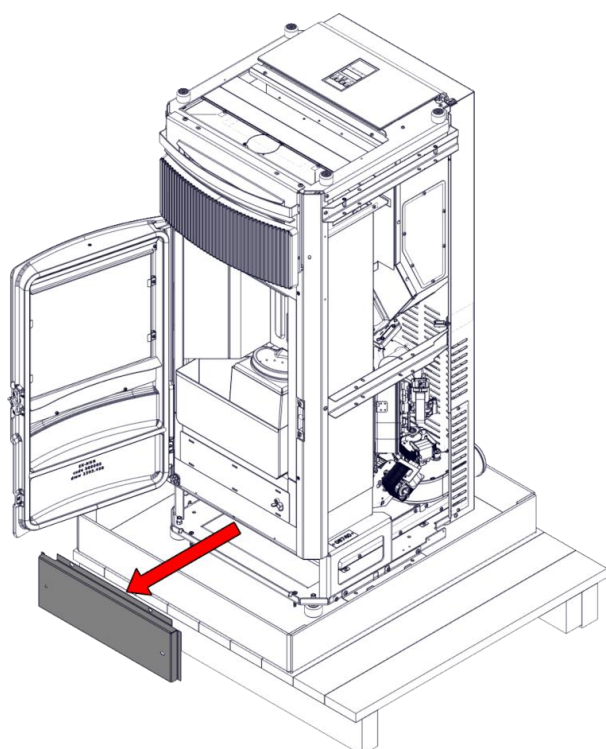




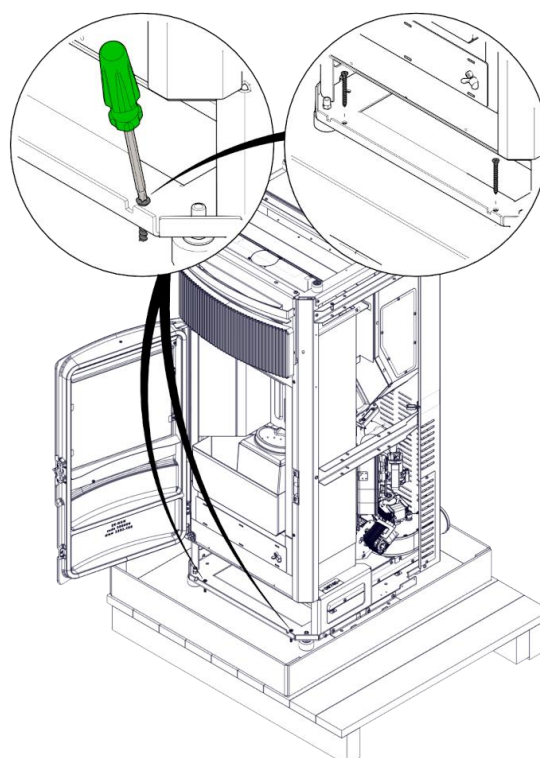
**2) Open the door**



**3) Unscrew the screws**






**4) Remove the bracket**



**5) Unscrew the screws**

## 8. INSTALLATION

### INSTALLER

	<p><b>The diameter of the smoke outlet is not the diameter of the chimney system. The chimney system must be sized according to national and local regulations.</b></p> <p><b>In particular, (non-exhaustive list) refer to EN 13384, EN 1443, EN 1856, EN 1457 and to all local regulations.</b></p>
	<p><b>Avoid the infiltration of condensation water through the chimney flue. If necessary, install an anti-condensation ring - ask your chimney sweep.</b></p> <p><b>Damage caused by condensation water is not covered by the warranty.</b></p>
	<p><b>In some countries, in special conditions, multiple chimney flue installations are allowed. According to regional regulations, additional safety systems are required when connecting to multiple chimney flues. Your chimney sweep/technician is available for further information.</b></p>

### 8.1. Preliminary remarks on installation

Remember that:

- The installation must be performed by qualified personnel;
- All local and national laws and European Standards must be complied with when installing and using the product. In Italy the reference is the standard UNI 10683;
- In the case of installation in condominiums it is necessary an offer with positive recommendation of the administrator;
- In the case of installation in public places, check and comply with local regulations for these installations.

The product is designed to operate in all weather conditions. In case of special conditions, as strong wind, safety systems may intervene forcing the switch off of the product.

Some indications of a general nature are given below, which do not replace the checking against the local standards and do not bring any liability concerning the installer's work.

### 8.2. Checking the suitability of the installation room

- The volume of the room must be greater than that indicated in the technical table
- The floor must be able to support the weight of the product and its accessories\* (see the note in the paragraph on heat protection)
- Make sure that the product is levelled
- Do not install in rooms where there is a risk of fire or explosion.
- In Italy, check compatibility pursuant to UNI 10683 and UNI 7129 in the presence of gas products.

### 8.3. Heat protection and safety distances

All the surfaces of the building adjacent to the product must be protected against overheating.

The insulation measures to be taken depend on the type of surfaces present.

The product must be installed in accordance with the following safety conditions:

Minimum distance from any combustible materials: see the declaration of performance on the website

In the case of installation with a wall made of wood or other flammable material, the smoke exhaust pipe must be adequately insulated.

In the case of installation on a floor made of flammable and/or combustible material or with an insufficient load-bearing capacity, it is advisable to place the product on a load distribution plate.

## **8.4. Chimney system (Smoke duct, chimney flue and chimney pot)**

This chapter is written in accordance with European Standards EN 13384, EN 1443, EN 1856, EN 1457.

The installer must take these Standards and any other local regulations into account.

This manual is in no way to be considered as a replacement for current regulations.

The product must be connected to a suitable smoke exhaust system that guarantees the safe and complete evacuation of the smoke produced by combustion.

Before positioning the product, the installer must make sure that the chimney flue is suitable.

## **8.5. Smoke duct, chimney flue**

The smoke duct (duct connecting the fire box smoke outlet to the chimney flue inlet) and the chimney flue must, among other regulatory requirements, in general:

- Receive the smoke coming from only one product (it cannot receive the smoke coming from several products); in some countries there are specific regulations: it is the responsibility of the installer to assess compliance with local regulations.
- Have a predominantly vertical development.
- Not have any counter-sloping sections.
- Have a preferably circular inner cross-section and in any case with a ratio between sides of less than 1.5.
- End on the roof with a suitable chimney pot: it is forbidden to discharge directly from the wall or towards enclosed spaces, even if outdoors.
- Be made of materials with fire reaction class A1 pursuant to UNI EN 13501 or similar national Standard.
- Be suitably certified, with an appropriate chimney plate if metal.
- Maintain the initial section or vary it only immediately above the product outlet and not along the chimney flue

## **8.6. Smoke duct**

In addition to the general requirements applicable to the smoke duct and to the chimney flue, the smoke duct:

- Must not be made of a flexible metal material.
- Must be insulated if it passes through unheated rooms or if it passes outside.
- It must not pass through rooms in which it is forbidden to install combustion heat generators or rooms where there is a risk of fire or rooms that cannot be inspected.
- It must allow the recovery of soot and it must be inspectable.
- In general, it must not have more than 3 bends with a maximum angle of 90°, the assessment of which is the responsibility of the technician in charge of sizing the system.
- In general, any horizontal section can have a maximum (average) length of 3 metres, depending on the draught. However, bear in mind that long sections facilitate the accumulation of dirt and are more difficult to clean; the assessment is the responsibility of the technician in charge of sizing the system.

## 8.7. The chimney flue

In addition to the general requirements applicable to the smoke duct and to the chimney flue, the chimney flue:

- Must only be used to discharge smoke.
- Must be correctly sized to meet smoke evacuation requirements (EN 13384-1 non-exhaustive example)
- Is preferably insulated, made of steel and with a circular inner cross-section. If rectangular, the edges must normally have a radius of not less than 20 mm and a ratio between internal dimensions  $<1.5$ .
- Normally have a minimum height of 1.5 metres.
- Maintain a constant cross-section.
- Be waterproof and thermally insulated to ensure draught.
- Preferably have a collection chamber for unburnt material and any condensation.
- If pre-existing, it must be cleaned, to avoid fire hazards.
- As a general guideline, it is advisable to duct the chimney flue if its diameter is greater than 150 mm, the assessment of which is the responsibility of the technician in charge of sizing the system.

## 8.8. Ducted system

In addition to the general requirements applicable to the smoke duct and to the chimney flue, the ducted system:

- Must operate under negative pressure.
- Must be inspectable.
- Must comply with local regulations.

## 8.9. The chimney pot

- Must be windproof.
- Must have an inner cross-section equivalent to that of the chimney flue and an outlet smoke passage cross-section equal to at least twice the inner cross-section of the chimney flue.
- In the case of paired chimney flues (which should be at least 2 m apart), the chimney pot that receives the solid fuel product discharge or that of the highest floor must be at least 50 cm above the other.
- Must go beyond the reflux area (in Italy, refer to Standard UNI 10683)
- Must allow for maintenance operations to be performed on the chimney

## 8.10. External air intake

In general, we suggest two alternative ways of ensuring the flow of essential air for combustion:

- indirect air intake
- direct air intake

## 8.11. Indirect air intake

Prepare, at floor level, an air intake with a useful surface area (net of any meshes or other protections) of at least 80 cm<sup>2</sup> (diameter 10 cm).

In order to avoid draughts, it is advisable to place the air intake behind the stove or behind a radiator.

It is advisable not to have it in front of the product to avoid draughts.

## 8.12. Direct air intake

Prepare an air intake with a useful cross-section (net of any meshes or other protection) with a surface area at least equal to the cross-section of the air inlet hole behind the product.

Assess the diameter according to the pressure drops.

Connect the air intake to the hole with a pipe, even a flexible hose.

Increase the diameter of the pipe if the pipe is not smooth: assess the pressure drops.

It is advisable not to exceed 5 m and to have no more than 3 bends, depending on the chimney flue draught.

The inflowing air can come from an adjacent room provided that:

- The flow does not encounter any obstacles as it travels through permanent openings communicating with the outside
- The room adjacent to the installation room is never depressurised with respect to outside.
- The adjacent room is not used as a garage or for activities causing a risk of fire, nor is it a bathroom or a bedroom.
- The adjacent room is not a common room of the building

In Italy, Standard UNI 10683 indicates that ventilation is sufficient even if the pressure difference between the external and the internal environment is maintained at 4 Pa or less (Standard UNI EN 13384-1 non-exhaustive example).


The installer who issues the declaration of conformity is responsible for this.

## 8.13. Electrical connection

Place the socket in an easily accessible position.


Voltage variations greater than 10% may compromise operation.


The electrical system must be in accordance with current regulations; in particular, check the efficiency of the earthing system.


	<b>The inefficiency of the earthing system causes malfunctions for which Edilkamin shall not be held responsible. The power line must have a suitable cross-section for the power of the appliance.</b>
---	---

	<b>AVOID CONTACT BETWEEN THE POWER CABLE AND HOT PARTS OR THE EXHAUST PIPE.</b>
---	---

The product is supplied with a power cable to be connected to a 230V 50 Hz socket, preferably with a circuit breaker.



	<b>If the intake point is not accessible, a multi-pole control switch must be installed in compliance with the standards in force</b>
---	---

	<b>The product is supplied with a fuse 3,15 AT, 250 Vac 5x20</b>
---	--

	<b>If the power supply cable is damaged, it must be replaced by the manufacturer or by its technical assistance service or in any way by a person with a similar qualification, in order to prevent any risk</b>
---	--

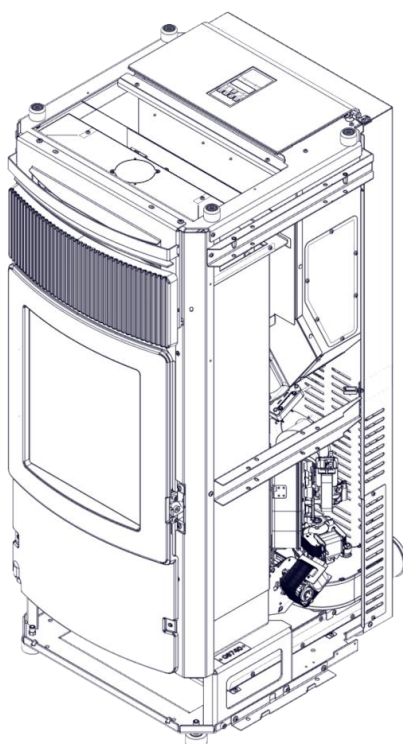
## 8.14. Air ducting (where present)

The accessories for the ducting are available in the price list

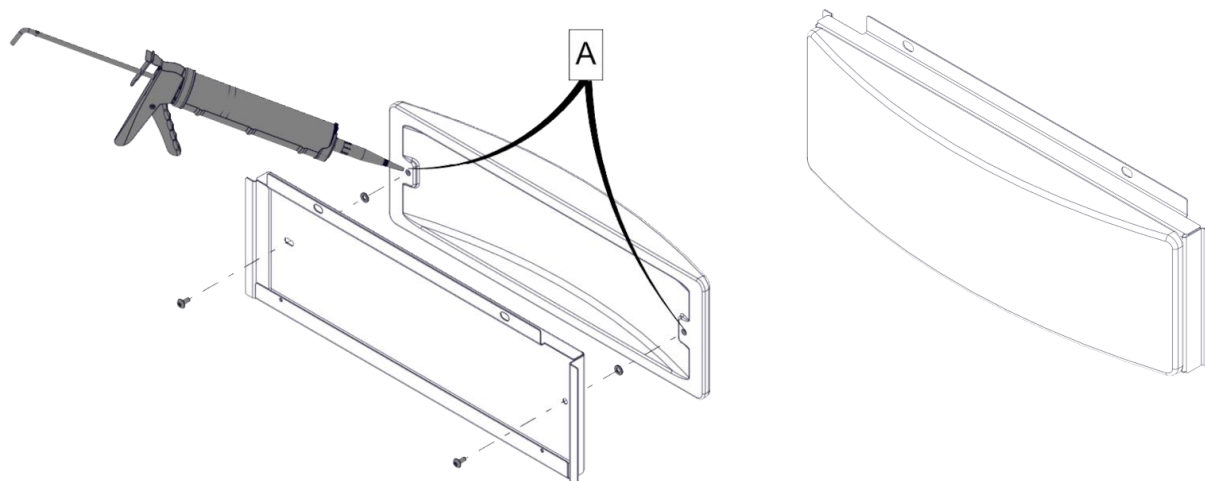
	<p>If air is not ducted in the products with ducts, use the deviation kit present in the price list</p>
	<p>The length of the ducting and the temperature in the outlet nozzle depend on the use and installation conditions.</p> <p>Size the ducting system.</p> <p>We recommend the use of internally smooth pipes.</p>

## 9. FITTING THE COVERS

INSTALLER



Starting situation



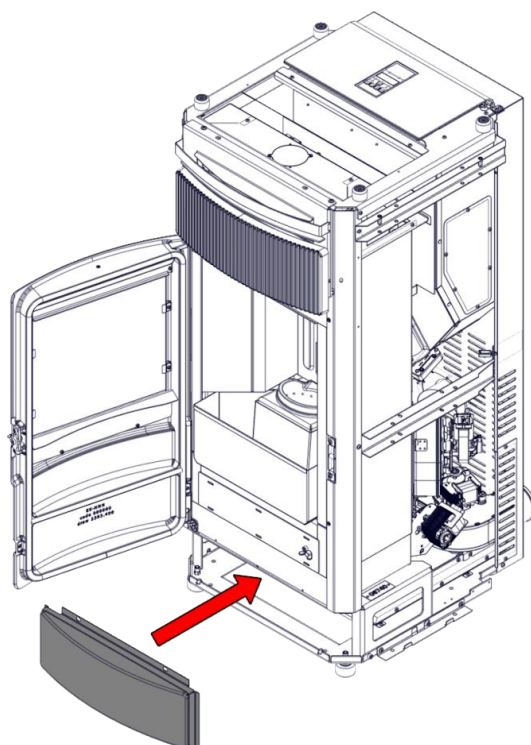
1) Assemble the ceramic

Assembled ceramic

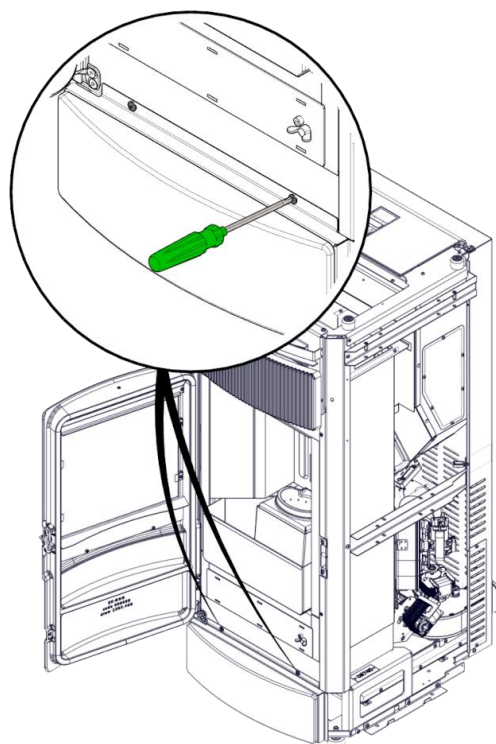


Do not force the screw into the threaded bushing to avoid breakage  
Apply silicone at high temperature in the holes (A) to favour the component stability



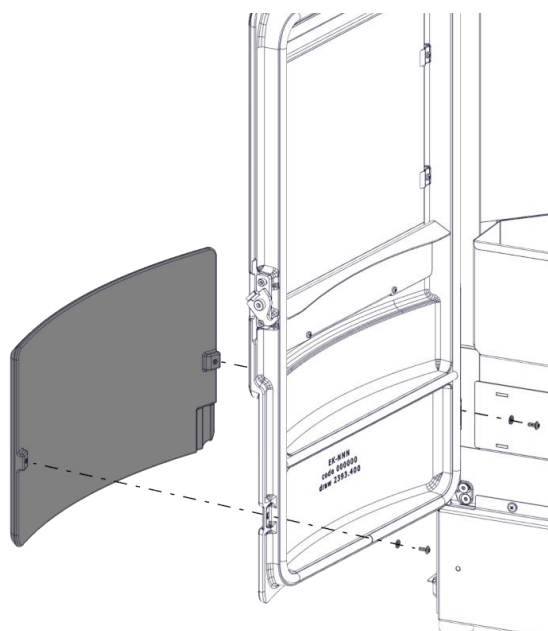


**2) Assemble the ceramic with bracket**

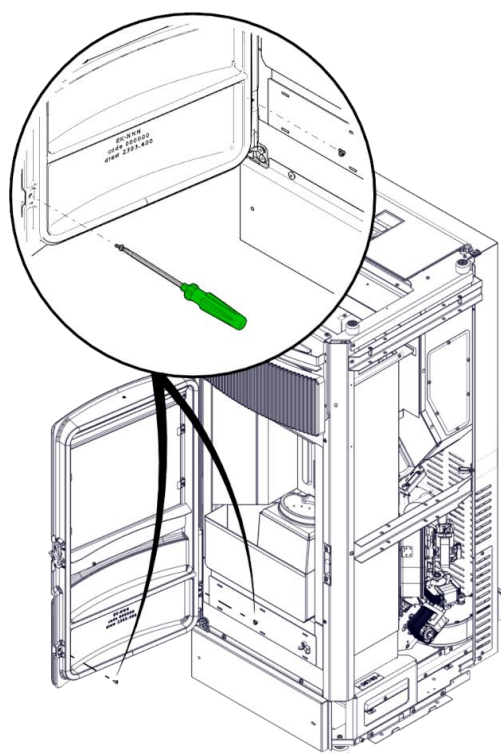


**3) Tighten the screws**

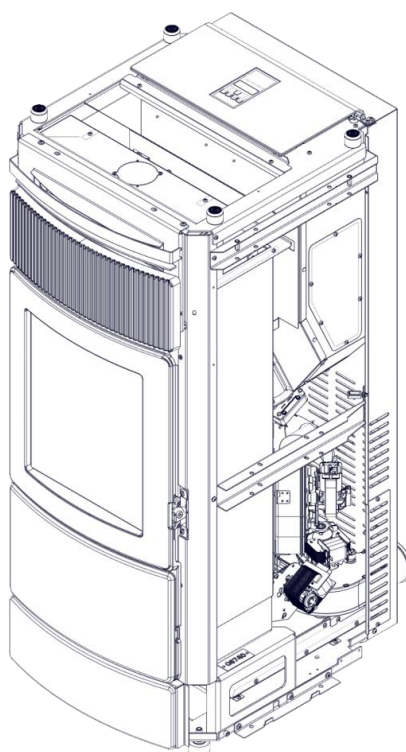


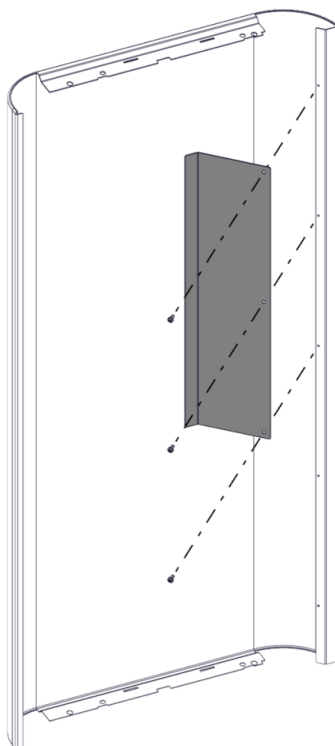


**4) Assemble the ceramic**

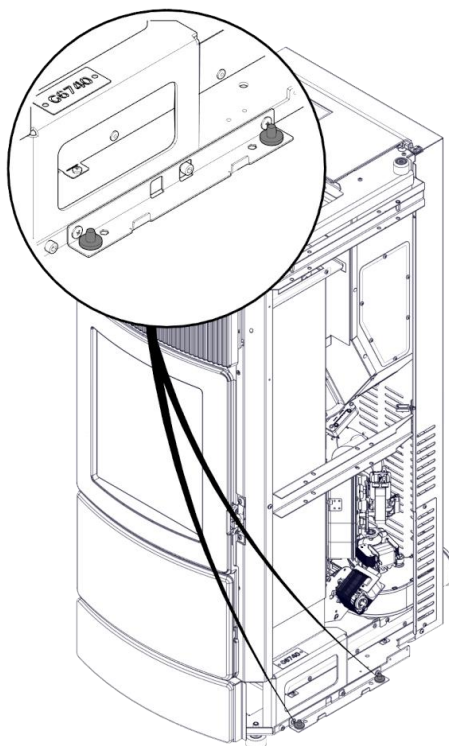


**5) Tighten the screws**

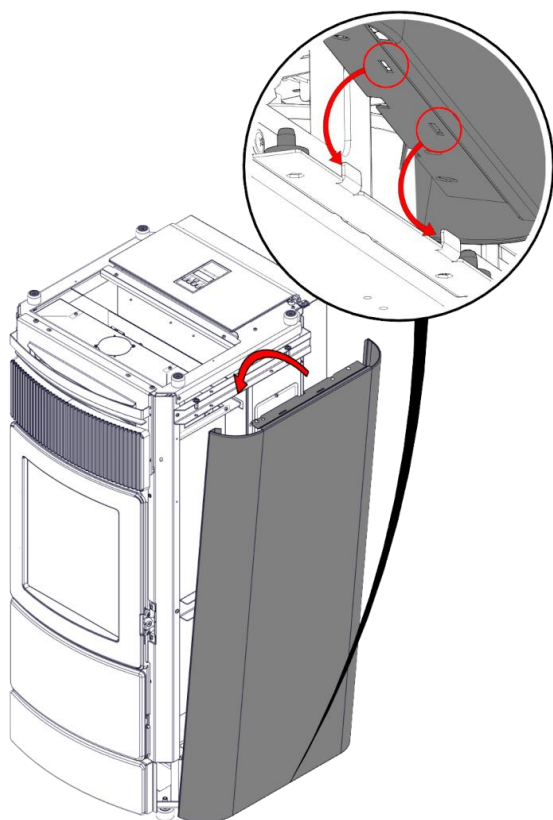




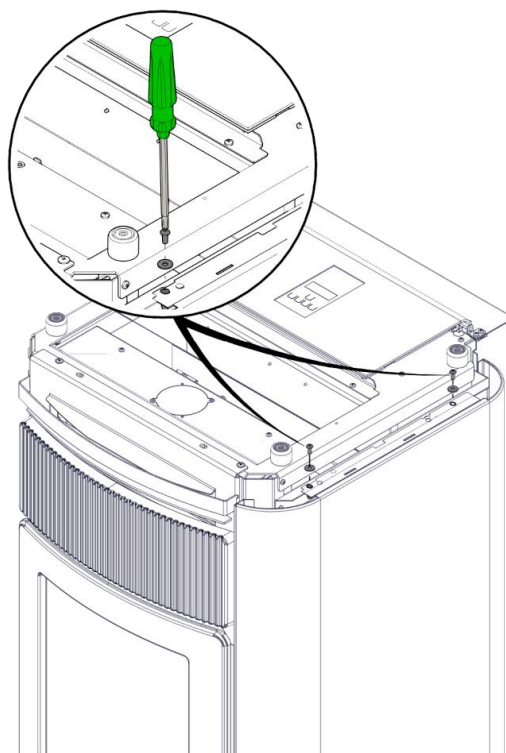
**6) Assemble baffles on sides**



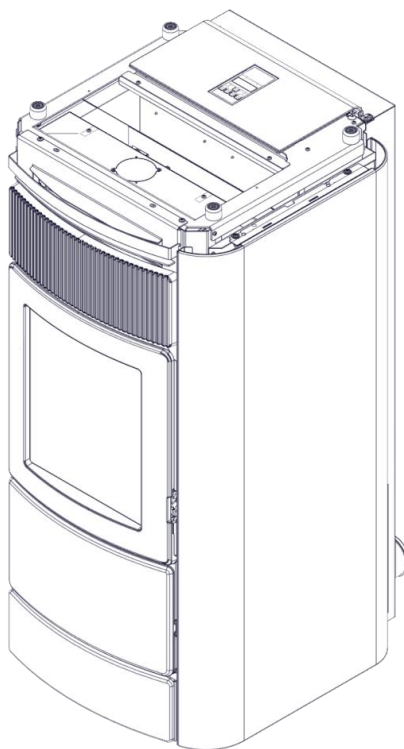
**7) Assemble rubber items**

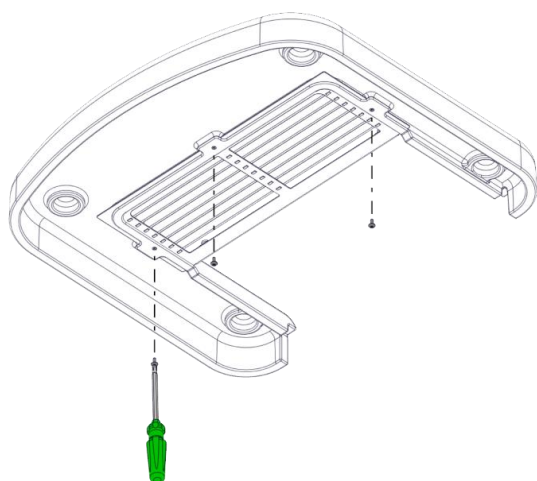


**8) Assemble lateral parts**

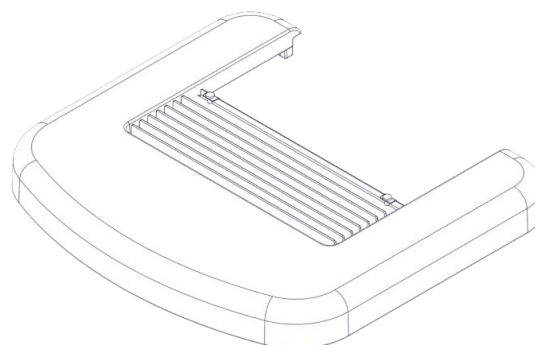


**9) Tighten the screws**

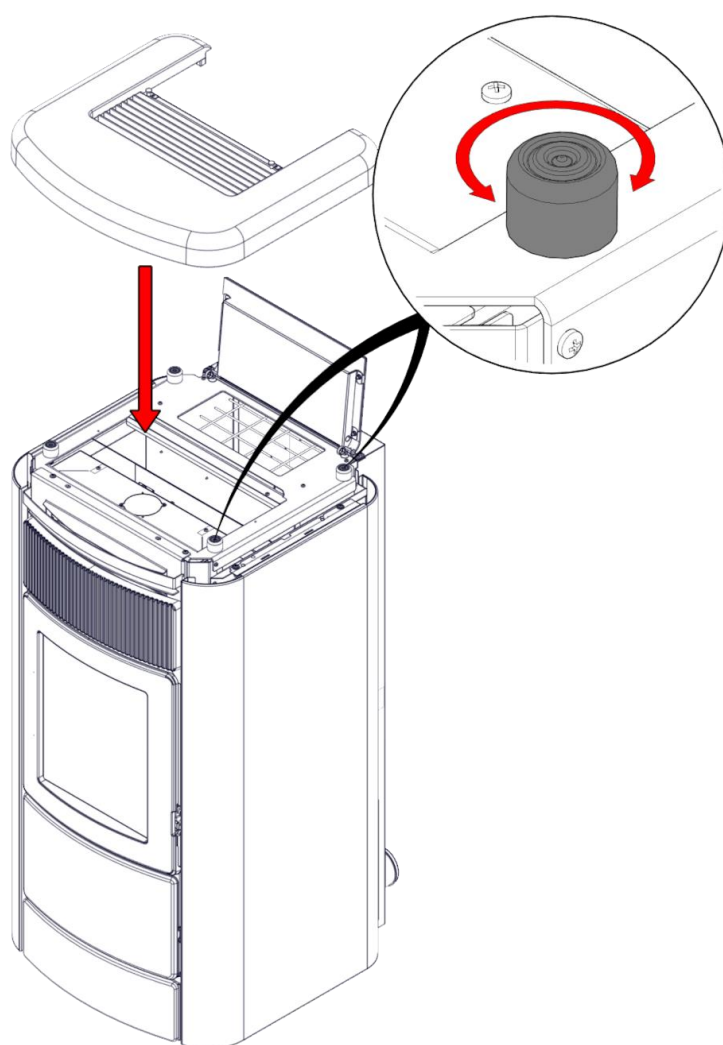




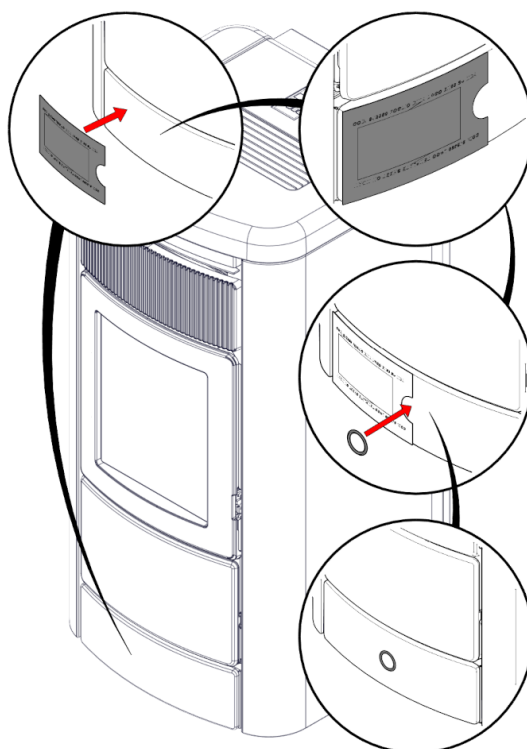
**10) Screw grille onto the top**



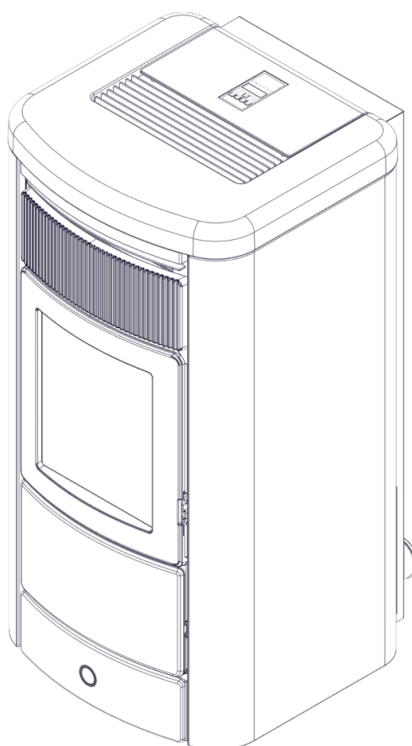
**Top assembled**



**Possible top adjustments**



**11) Glue on the logo using the template**



**Final situation**

## 10. FUEL: WOOD PELLETS


### USER/INSTALLER

Use class A1 wood pellets in accordance with Standard UNI EN ISO 17225-2 or similar local regulations that provide for the following characteristics.

diameter 6 mm;

length 3-4 cm

moisture <10 %

	<p><b>For the protection of the environment and for safety reasons, DO NOT burn, among other materials: plastic, painted wood, coal, bark waste.</b></p> <p><b>The use of other fuels may damage the product.</b></p> <p><b>DO NOT USE THE PRODUCT AS AN INCINERATOR.</b></p>
---	---

### 10.1. Pellet storage

Pellets are hygroscopic, i.e. they absorb moisture.







It is therefore necessary to store the pellets in a dry place, in their original bag, away from moisture.

Pellets should normally be at least 1.5 metres away from visible fires.

Large quantities of pellets must be stored in ventilated places, in accordance with local regulations.

## 11. INSTRUCTIONS FOR USE

USER/INSTALLER

	<b>The use of fuel other than the recommended pellets may cause damage to the product</b>
	<b>When the product is hot, do not place the pellet bag on the top. Use the special glove when loading the product while it is on and therefore hot.</b>
	<b>Be careful not to touch the smoke exhaust pipe if hot.</b>
	<b>Expansion</b> <b>Like all products, it heats up and cools down during the various phases. This results in normal expansion.</b> <b>This expansion may result in slight noises which are not a cause for complaint.</b>
	<b>Smells</b> <b>During the first start-ups, you may smell paint, but the smell will disappear in a short time. Start the product in a well-ventilated room the first times it is used.</b>
	<b>The product can be operated only after assembling the covers.</b> <b>Power up the product only after completing its assembly and the covers have been fitted. Otherwise there is a risk of accessible live parts.</b>

## 11.1. Training before use



**The technician is responsible for teaching the customer how to use and perform maintenance on the product.**

In particular, to use it in the best way possible, we suggest discussing the following topics with the technician:

- Operation
- Fuel
- Ignition
- What to do in the event of problems
- Use suitable for installation conditions



**Do not make changes to the installation conditions on your own initiative (including air intakes)**

## 11.2. Steps for the first start-up

- Be sure to have read and understood the contents of this manual.
- Remove all flammable components from the product (manuals, labels, etc.). In particular, remove any labels from the glass.
- Make sure that the technician has performed the first start-up, filling the pellet hopper for the first time too.



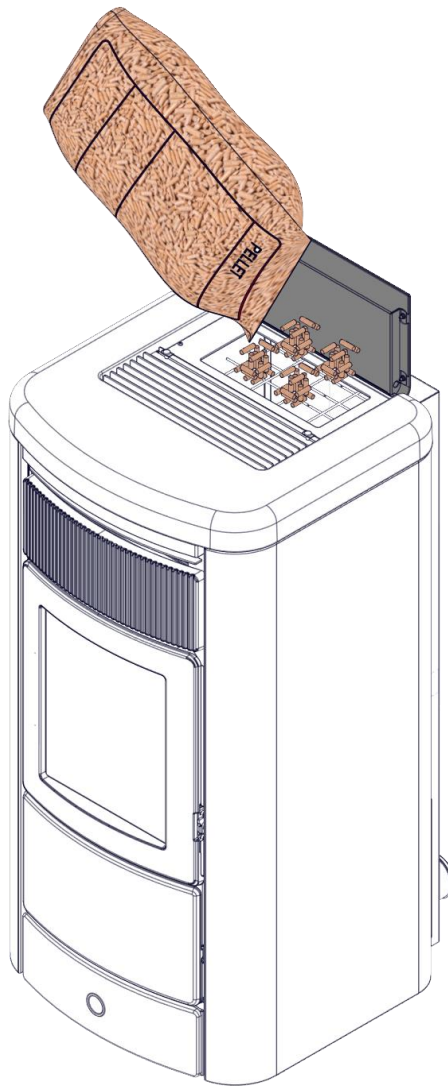
### 11.3. Loading pellets into the hopper

To load the pellets.

Open the pellet loading hatch and pour in the pellets.

Make sure that the pellets do not spill out.

Should any leakage happen suction it when cold to prevent dust.



**Loading pellets into the hopper**

## 12. INTERFACE AND OPERATING MODES

USER/INSTALLER

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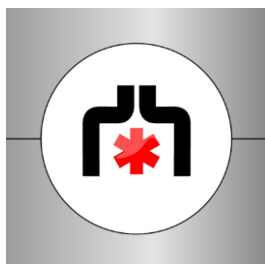
### 12.1. Operating modes

MODE	SETTABLE PARAMETERS
Automatic	Desired room temperature
Manual	Desired power
	Ventilation level

The product also has the following additional features

FUNCTION	THAT CAN BE ACTIVATED	ACTION
Stand-By	Automatic	The product turns on/off according to the temperature
Chrono prog.	Dedicated key	The product turns on/off according to the times and temperatures set

## 12.2. Interface




**App Logo**





**APP SmartEK63**

The product can be managed alternatively through

- PANEL WITH DISPLAY: standard supply, for the basic functions
- APP: to be downloaded to a smartphone

	<p><b>The minimum system requirements to use the SmartEK63 App on mobile devices are the following:</b></p> <ul style="list-style-type: none"> <li>-Operating System iOS 14 or higher or Android 9.0 or higher.</li> <li>-On iPhone 6S, 7 and 8, the “zoom” function of the display cannot be used.</li> </ul> <p><b>Moreover, we would like to inform you that HUAWEI devices (and associated brands, such as: HONOR), are not compatible with the SmartEK63 App.</b></p> <p><b>This information may be subject to changes or updates: always refer to <a href="http://www.edilkamin.com">www.edilkamin.com</a></b></p>
---	--

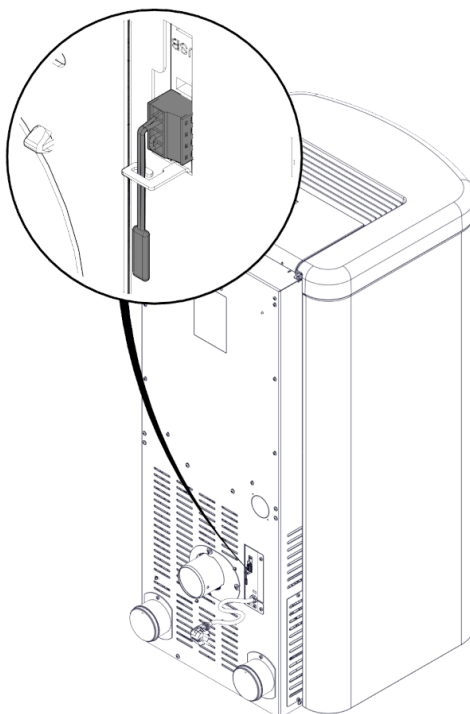
	<p><b>Visibility is guaranteed with display with 9;19.5 screen or similar</b></p> <p><b>On the display with 9:16 screen (ex. iPhone 8) do not use the screen zoom function</b></p>
---	--

	<p>Tutorial at <a href="http://www.edilkamin.com">www.edilkamin.com</a></p> <p>Scan the QR code to see</p> <p><a href="https://ek-63.com/en/tutorial-videos-smartek63-app/">https://ek-63.com/en/tutorial-videos-smartek63-app/</a></p>
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## 13. CONNECTION WITH THERMOSTATS/ PROBES OPTIONAL

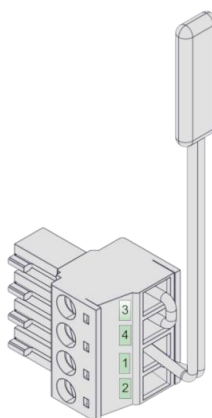
### USER/INSTALLER



A connector is present on the product (accessible in the rear part, with the power disconnected and only by approved technicians) for the connection of probes and thermostats.



### INSTALLER

- Pin 1-2 = room temp. input= probe or thermostat
- Pin 3-4 = remote On- Off= commercial telephone combiner...



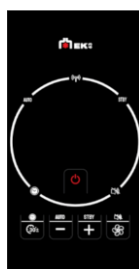
	<p><b>The connections must be performed by qualified personnel, with the power disconnected</b></p>
	<p><b>In the case of thermostat connection change the dedicated function</b></p>

## 14. PANEL USE INSTRUCTIONS











USER/INSTALLER

### 14.1. Possible actions from the panel


- Switch the product On/Off
- Set the Room Temp. Set (Automatic) or the Power (Manual)
- Set the ventilation level among the 3 possible:
- Set the easy-timer function that allows delayed switch ON and switch OFF
- Activate/deactivate the chrono prog. - weekly time programmer
- Activate/deactivate the automatic operation mode
- Activate/Deactivate the stand-by function (Comfort Climate) that in automatic switches off the product when the room temp. set is reached
- Activate/Deactivate the relax function that allows the product operation in natural convection
- Display/reset an Alarm
- Display the state of the product WiFi connection



Panel with all the possible symbols

KEY	USE	SYMBOL/ LED	MEANING
	On-off		Weekly Chrono Prog. activation
	Easy timer/chrono prog.		Automatic activation
	-/Auto		WiFi connection state
	+/Stand-by		Stand-by activation
	Ventilation/relax		Relax activation

	After a few seconds the display enters in stand-by. To reactivate it press any key
---	--

	The following instructions are generic and representative of the feature. The shape of the panel may vary depending on the product
---	---

## 15. Possible states of the product

- OFF: the product is “deactivated” and does not generate heat.
- ON: the product is “active” and able to meet the heat request.
- ALARM: see the paragraph “Advices for eventual inconveniences”.
- ON/OFF WITH STAND-BY ACTIVE: If the product was working, it switches to minimum power and waits for the set time before switching off. If the product was being switched on, it completes the start-up phase, switches to minimum power and waits for the set time before switching off. If the product was OFF and is then switched to ON, the product goes immediately to stand-by, without carrying out the switch on.

### 15.1. Switch on screen

Switch on starts with a cleaning. The word “On” shows up on the display with the descending count in seconds.



Pressing the switch on key too long interrupts the switch on

Once the cleaning phase has ended the word "On" shows up on the display



Switch on requires a few minutes, during which the flame must be displayed

## 15.2. Screen with ON product in process

The display may show:

- Room temperature (read from the product probe)
- State of the room temperature thermostat (eventually connected)



Display of the room temperature



Display of the room temperature thermostat state

## 15.3. Switch off screen for STAND-BY



The Switch off screen for Stand-By can only be displayed in Automatic mode, after the switch off, with the Stand-By function active and in the absence of heat request.

## 15.4. SWITCH OFF and COOLING screen


Upon the Switch off command, the display shows the word “Off” with a descending count.

	<p><b>During the descending count the product continues to work.</b></p>
---	--



	<p><b>The long pressing of the switch on key interrupts the descending count and keeps the product on.</b></p>
---	--

During the switch off and the cooling, the display shows the word OFF flashing.

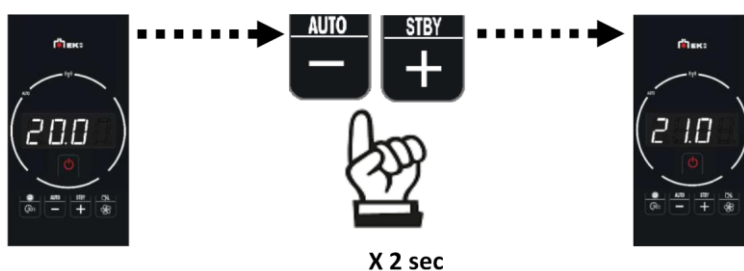
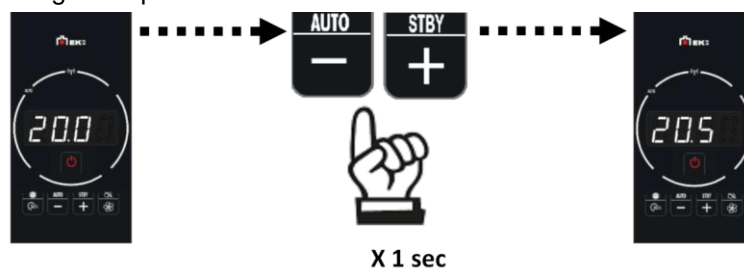
	<p><b>Switching off requires a few minutes, during which the flame must switch off.</b></p>
---	---



## 15.5. Setting of room temperature or power

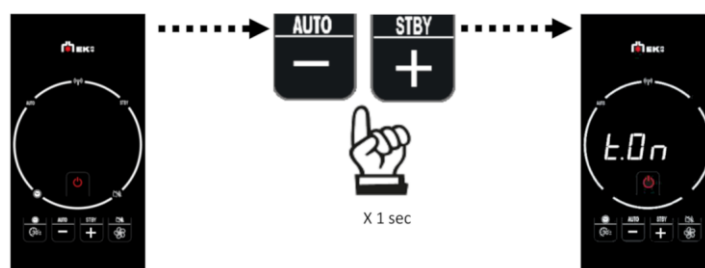
- In Automatic mode with Room Temperature Probe:

It is possible to change the target temperature



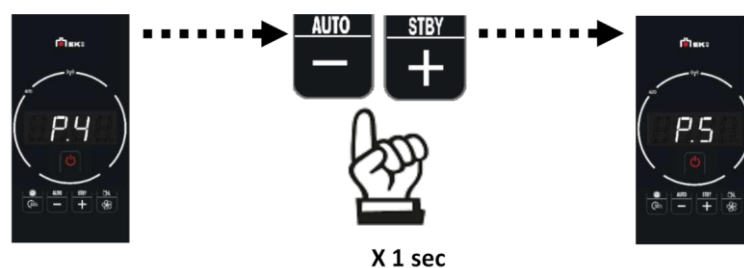
- In Automatic mode with Room Temperature Thermostat:

It is not possible to set the temperature or power



- In manual mode:

It is possible to change the product power



## 15.6. Ventilation

For products using air it is possible to set the ventilation level

- Front fan:
  - Low
  - Standard (default)
  - High
- Ducted fans if present:
  - Off
  - Low
  - Standard (default)
  - High

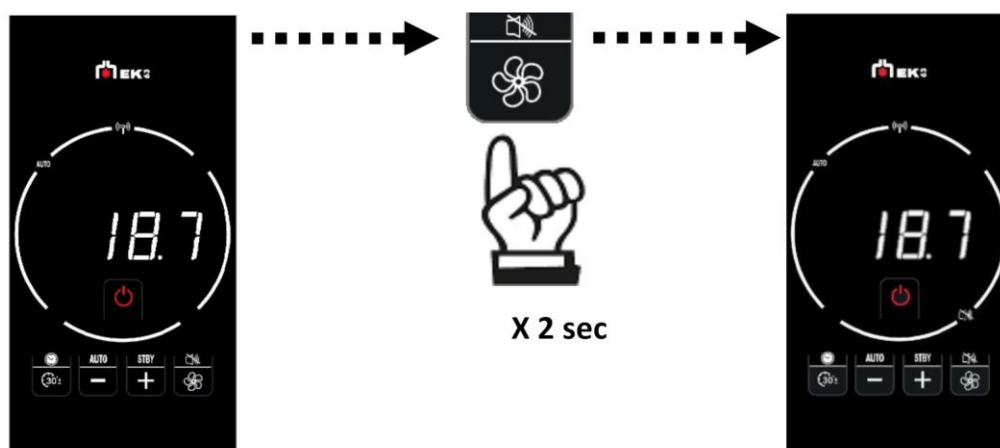


The OFF of the ducted fans corresponds to a minimum speed.

The front fan can only be switched to OFF with the Relax function.

## 15.7. RELAX function

Natural convection function (without ventilation) with automatic power limiting.  
This function can be activated in all modes: automatic, manual or chrono prog.



The product reduces its power output and after a few minutes switches the fan off too.  
With relax active it is not possible to set the maximum power  
Upon the activation of the function the dedicated led shows up on the display

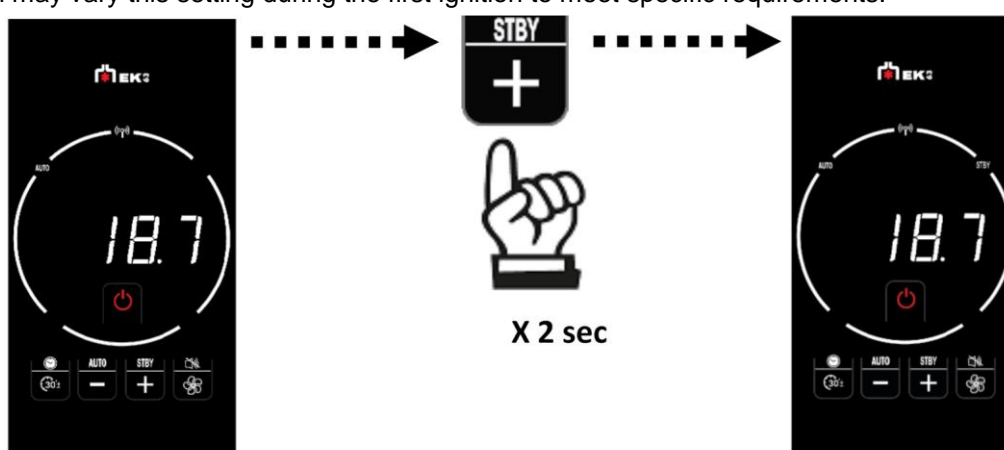
## 15.8. STAND-BY function

With the Stand-by function active in automatic and chrono prog. modes, when the desired temperature is reached, the product switches off and switches on again when the room temperature drops below the one desired.

With the Stand-by function not active, the product works in steps when the desired temperature is reached, down to the minimum power.

The product is programmed by default with a delta of 1 °C to ensure best comfort.

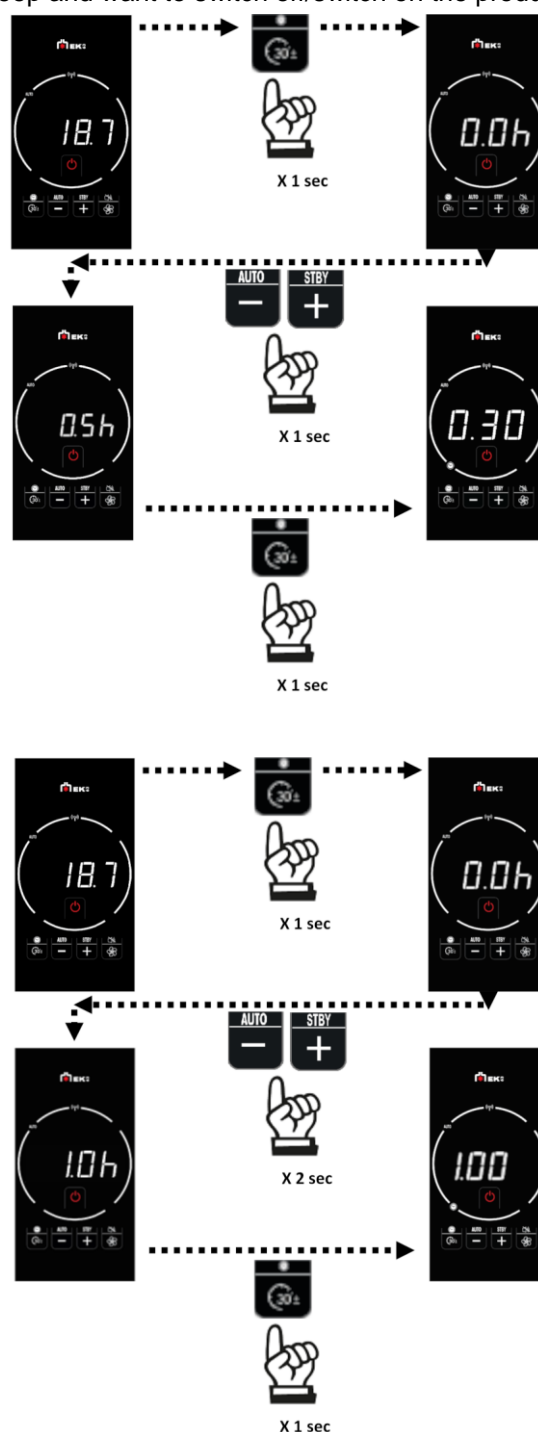
The technician may vary this setting during the first ignition to meet specific requirements.



Upon the activation of the function the dedicated led shows up on the display

## 15.9. EASY-TIMER function (delayed switch on and switch off)

This function switches the product on/off after a set period from activation of the function. Useful if, for example, you go to sleep and want to switch off/switch on the product after a few hours.

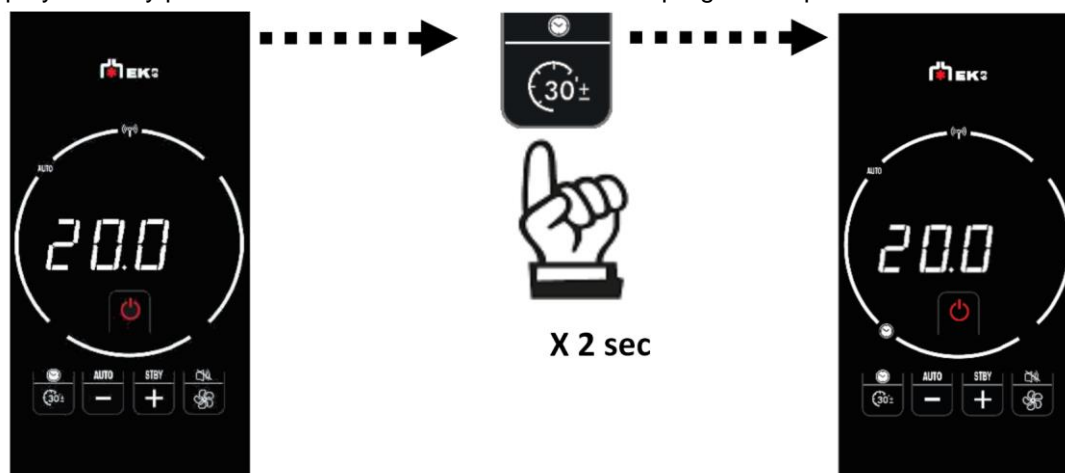


This function can only be activated if the chrono prog. function is deactivated.

## 15.10. Chrono prog. function

After having set times, temperatures or powers in the chrono prog. menu, if the product is in automatic mode, chrono prog. works with the room temperature, otherwise it works with power.




From the display it is only possible to activate/deactivate the chrono prog. at the pre-set times.



## 15.11. Pre-set times of chrono prog.

Valid after setting the date and time with the SmartEK63 App

DAY OF THE WEEK	SWITCH ON	SWITCH OFF	SWITCH ON	SWITCH OFF
Monday	06:00	08:00	18:00	22:00
Tuesday	06:00	08:00	18:00	22:00
Wednesday	06:00	08:00	18:00	22:00
Thursday	06:00	08:00	18:00	22:00
Friday	06:00	08:00	18:00	22:00
Saturday	08:00	12:00	16:00	22:00
Sunday	08:00	12:00	16:00	22:00

	<b>To change the times download the APP</b>
	<b>Upon the activation of the function the dedicated led shows up on the display</b>
	<b>After installation and commissioning, we recommend reviewing all daily operations and useful documents with the technician. In particular: use of the display, pellet loading, maintenance, what to do in case of problems.</b>

## 16. MAINTENANCE

USER/INSTALLER

Before performing any maintenance operation, disconnect the product from the mains power supply.

A lack of maintenance prevents the product from operating smoothly.

Any problems due to a lack of maintenance will invalidate the warranty.



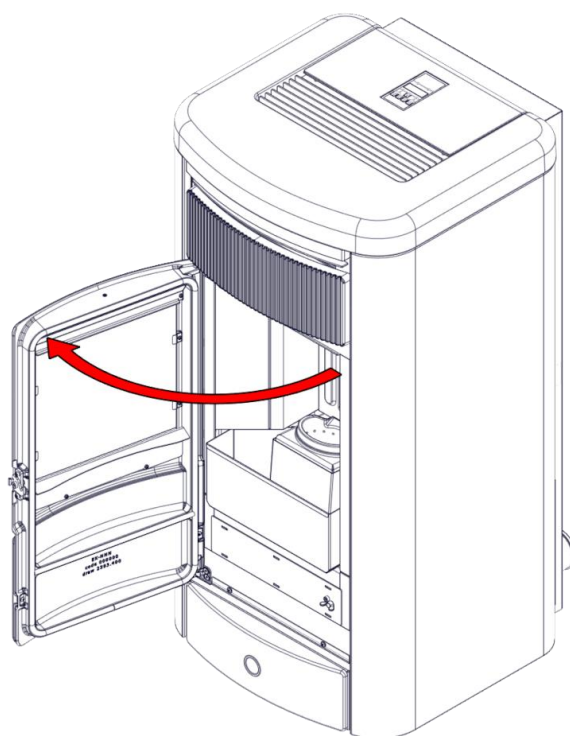
The characters of the safety information are larger according to the standards

### 16.1. Daily maintenance

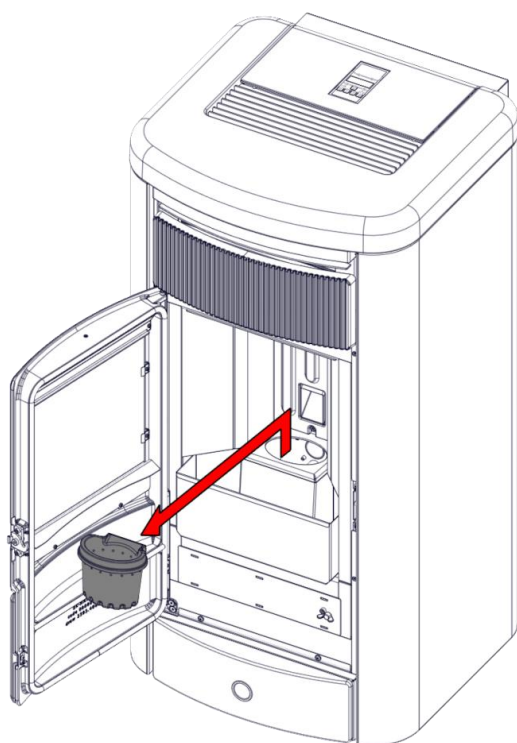
Operations to be performed, with the product switched off, cold and preferably disconnected from the mains.

A suitable vacuum cleaner is required.

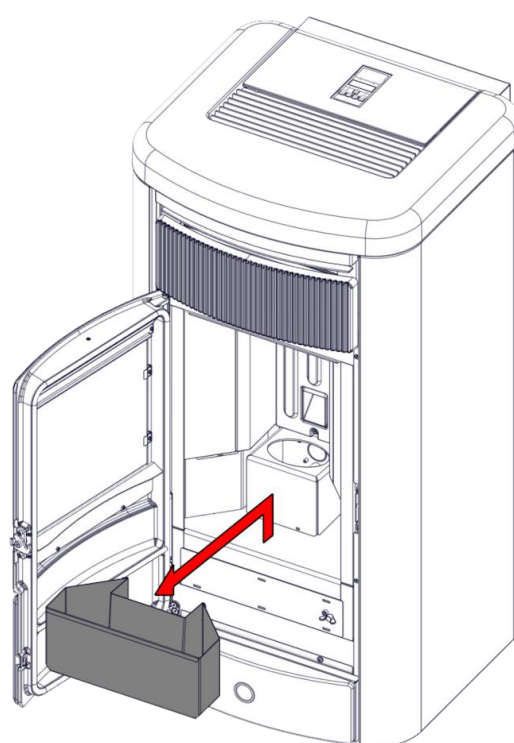
The entire procedure takes a few minutes.



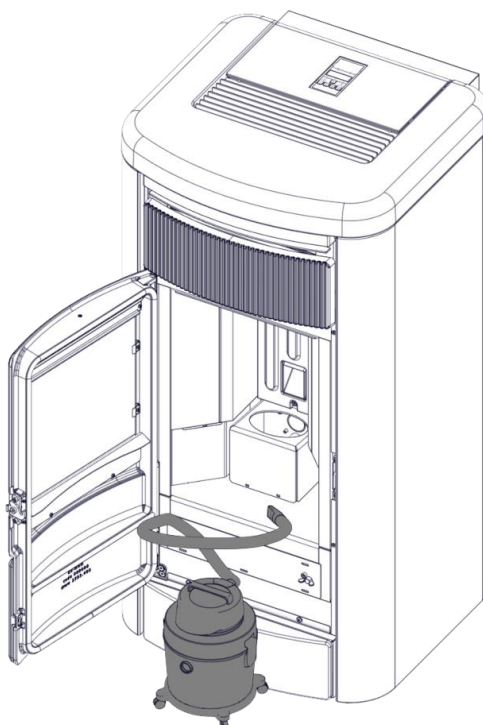
1) Open the door







**2) Remove the crucible, clean it and empty the contents in the crucible into a NON flammable container**



**3) Remove the ash pan, clean it and empty the contents into a NON-flammable container**



**4) Vacuum the ash**

	<p>The ash may contain parts that are still hot and/or embers</p>
	<p>Make sure that the ash drawer is put securely back in place, otherwise the glass may break by hitting against it.</p> <p>Make sure that the crucible is securely in place after maintenance, otherwise the product may have ignition problems.</p>
	<p>Do not discharge any cleaning residues into the pellet hopper.</p>
	<p>Using the product without having cleaned the burning pot can cause the gases inside the combustion chamber to ignite suddenly, resulting in detonation/breakage of the glass.</p>



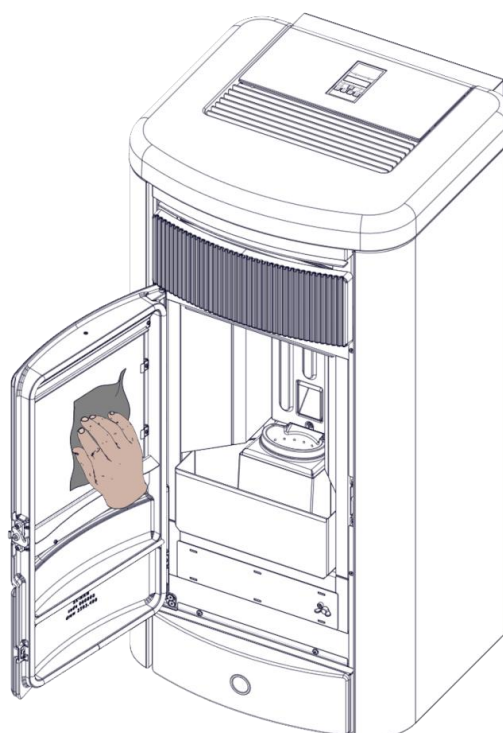
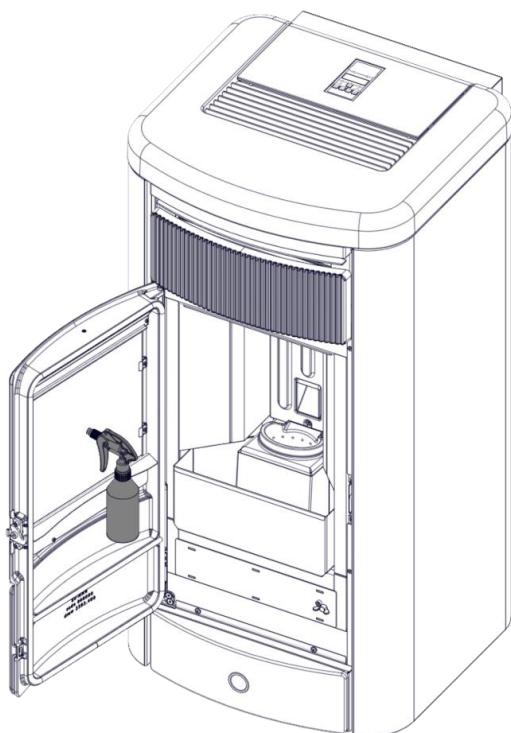
### 16.1.1. Cleaning the glass

Clean the glass only when it is cold. Use a dry brush and, if necessary, a specific detergent: spray a little detergent on the glass and clean with a cloth. There are specific products that can be used to clean the glass.

Make sure that there are no abrasive elements in the ash that could damage the glass.



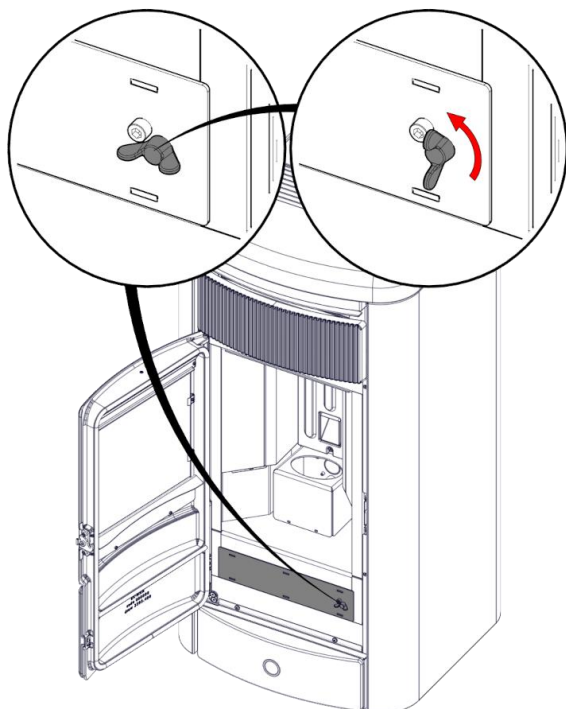
**Do not spray the cleaning product onto the painted parts or on the door gaskets.**



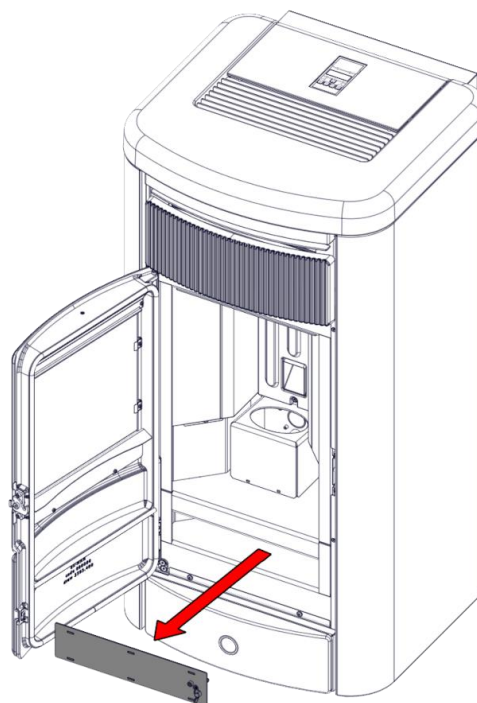
## 16.2. Periodic maintenance

### USER/INSTALLER

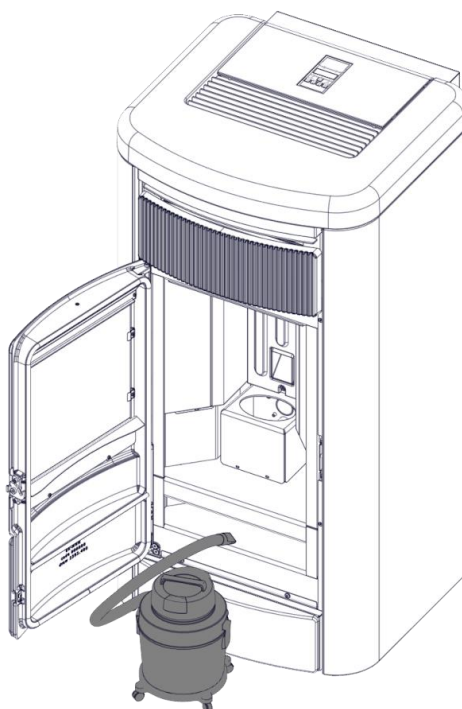
The frequency of periodic maintenance depends on use, in agreement with the technician.



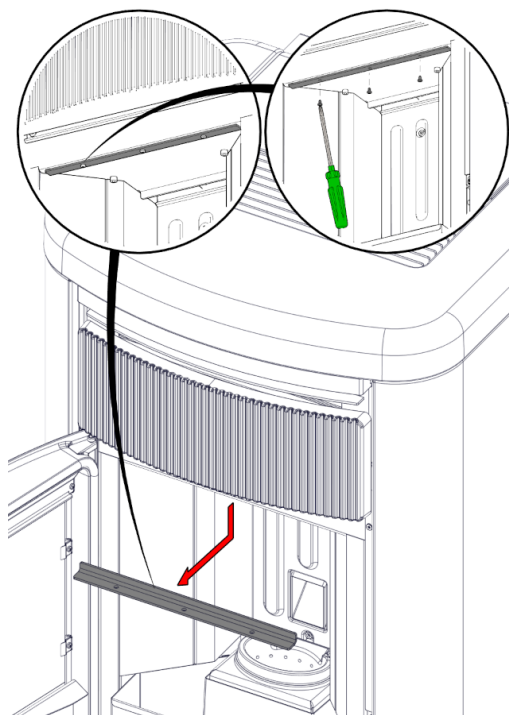
**1) Unscrew the inspection hatch**



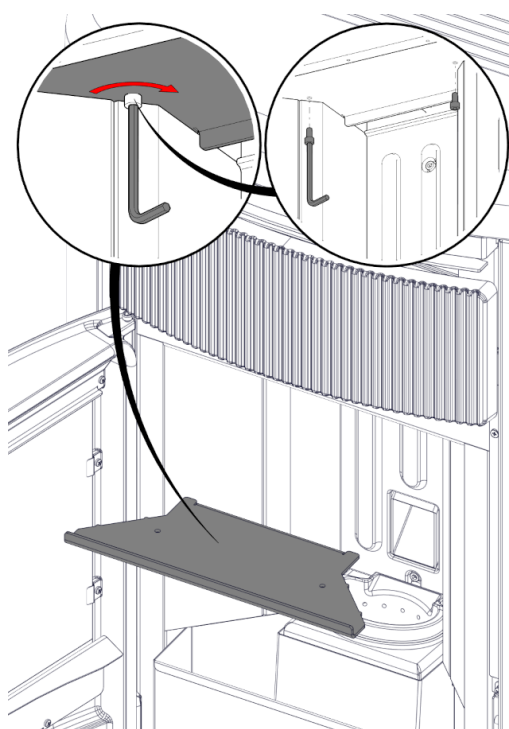
**2) Remove the inspection hatch**



**3) Vacuum the compartment**



**4) Unscrew and remove the stop**



**5) Unscrew and remove the baffle**

### **16.3. Repairs**

To be carried out only by licensed Edilkamin retailers/technical service centres. The names of the contracted and licensed Edilkamin technical service centres and retailers are available ONLY on [www.edilkamin.com](http://www.edilkamin.com).

### **16.4. Summer break**

During the period of non-use, leave all doors , hatches and covers of the product closed.

We recommend removing any pellets from the hopper.

In particularly humid areas, consider disconnecting the air inlet and the smoke fitting, and insert a suitable product in the combustion chamber to absorb the moisture (e.g. dehydrating salt bags, antioxidant tablets).

### **16.5. Spare parts**

- For any spare parts, contact the retailer or the technician.
- Have any repairs carried out only by licensed Edilkamin retailers/technical service centres.
- The names of the contracted and licensed Edilkamin technical service centres and retailers are available ONLY on [www.edilkamin.com](http://www.edilkamin.com).
- The use of non-original components causes risks to the product and relieves Edilkamin from any liability for any resulting damage. It also invalidates the warranty, as it is considered tampering.
- Any unauthorised modifications are prohibited.

## 17. DISPOSAL

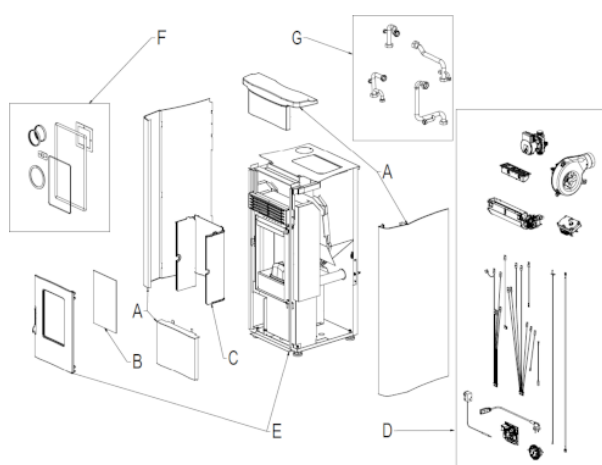
At the end of its service life, dispose of the product in accordance with current regulations.

### 17.1. Warnings for the correct disposal of the product

The demolition and disposal of the product are the sole responsibility of the owner who will have to act in compliance with the applicable laws in their country on safety, respect and protection of the environment.

	<p><b>Do not dispose of with municipal waste.</b></p> <p><b>Do not throw it away.</b></p>
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### 17.2. Disposal of the components of the appliance at the end of its service life



**The drawings are indicative**

The following table lists the components of the appliance and the indications for correct separation and disposal. In particular, the electrical and electronic components must be separated and disposed of at the centres authorised for this activity, according to the WEEE directive 2012/19/EU.

A. EXTERNAL COVERS	C. INTERNAL LINING
<p>If present, dispose of it separately according to the material it is made of:</p> <ul style="list-style-type: none"> <li>• Metal</li> <li>• Glass</li> <li>• Tiles or ceramics</li> <li>• Stone</li> </ul>	<p>If present, dispose of it separately according to the material it is made of:</p> <ul style="list-style-type: none"> <li>• Metal</li> <li>• Refractory materials</li> <li>• Insulating panels</li> <li>• Vermiculite</li> <li>• Insulating panels, vermiculite and refractory materials coming into contact with the flame or the exhaust gases (dispose of in mixed waste)</li> </ul>
B. GLASS AND DOORS	D. ELECTRICAL AND ELECTRONIC COMPONENTS
<p>If present, dispose of it separately according to the material it is made of:</p>	<p>If present, dispose of it separately according to the material it is made of:</p>

<ul style="list-style-type: none"> <li>• Ceramic glass (fire door): dispose of in inert or mixed waste</li> <li>• Tempered glass (oven door): dispose of in glass</li> </ul>	<ul style="list-style-type: none"> <li>• Wiring, motors, fans, pumps, display, sensors, spark plug, electronic boards.</li> </ul> <p>Dispose of separately at authorised centres, as indicated by the WEEE directive 2012/19/EU</p>
<b>E. METAL STRUCTURE</b> Dispose of separately in metal	<b>G. HYDRAULIC COMPONENTS</b> Pipes, fittings, expansion tank, valves. If present, dispose of separately according to the material they are made of: • Copper • Brass • Steel • Other materials
<b>F. NON-RECYCLABLE COMPONENTS.</b> <ul style="list-style-type: none"> <li>• Gaskets</li> <li>• Rubber hoses</li> <li>• Silicone or fibre</li> </ul> Dispose of in mixed waste	

### 17.3. WEEE

Pursuant to art. 26 of Italian Legislative Decree of 14 March 2014, no. 49 "Implementation of Directive 2012/19/EU on waste electrical and electronic equipment (WEEE)".

The crossed bin symbol on the appliance or on its packaging indicates that the product at the end of its useful life must be collected separately from other waste.

The user must therefore deliver the equipment at the end of its life to suitable recycling centres for electronic and electro-technical waste.

Adequate separate collection for subsequent recycling, treatment and environmentally compatible disposal contributes to avoiding possible negative effects on the environment and on health and encourages reuse and/or recycling of the materials of which it is composed.



## 18. ADVICE FOR POSSIBLE PROBLEMS

In the event of problems, the product automatically performs the shutdown operation.

The display shows the reason (see below).

To restart the product, let the switch off phase take place and see the chapter "Removing the alarm message"

### 18.1. Display messages



MESSAGE	PROBLEM	ACTIONS
AL02	It is shown if the motherboard does not detect the correct smoke fan speed	Contact the technician
AL03	It is shown if the thermocouple detects a smoke temperature lower than a set value, interpreting this as absence of flame	Check the absence of pellets in the tank Contact the technician
AL04	It is shown if ignition is not successful within the set time	The two cases below must be considered:  The flame does NOT show up:  Check the positioning and cleaning of the crucible  Check the presence of pellets in the tank and in the crucible  Try to ignite with a little of solid ecological igniter (contact the technician before and follow scrupulously the instructions of the igniter supplier). The operation should be considered as a test only, under the guidance of the technician.
AL06	It is shown if the electronic motherboard detects that the smoke temperature probe is broken or disconnected	Contact the technician
AL07	Switch-off due to high smoke temperature.	Check the pellet type (in case of doubt contact the technician) Contact the technician
AL08	Switch-off due to excessive temperature of the product	Check the pellet type (in case of doubt contact the technician) Contact the technician
AL09	Switch-off due to broken or blocked auger motor	Contact the technician
AL10	Switch-off due to electronic motherboard overheating.	Contact the technician

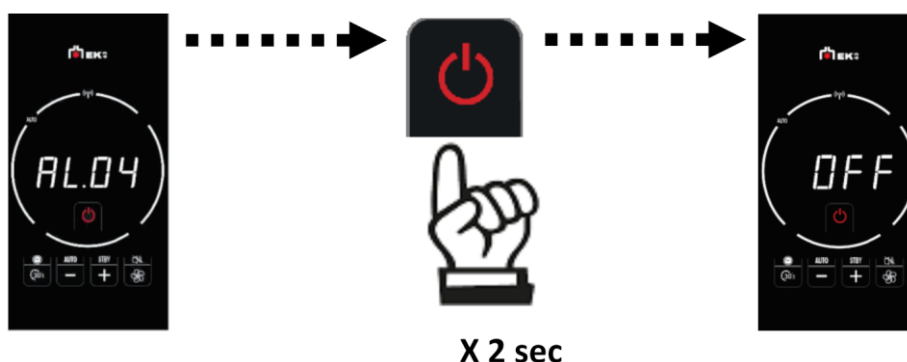
AL11	Switch-off due to tripping of the safety pressure switch.	Check the cleaning of the product, of the discharge Check that the hopper lid has not been left open for more than one minute Contact the technician
AL12	Room temperature probe faulty.	Contact the technician


## 18.2. Black-out alarm

After a black-out the product signals this with the following text

b.out

## 18.3. Removal of the alarm signal




	<p>To be performed only after removing the cause of the blockage and cleaning the crucible.</p> <p>The product is equipped with every safety feature, but if the crucible is not cleaned regularly as described above, the conditions for ignition to occur with a slight detonation will exist.</p>
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## 18.4. Maintenance (message that does not cause switch-off)



After 2000 hours of operation, the word SER shows up on the display

The product works, but maintenance must be carried out by the Edilkamin qualified technician

	<p><b>Remember that seasonal maintenance by a qualified technician, and according to national and local regulations, is necessary.</b></p>
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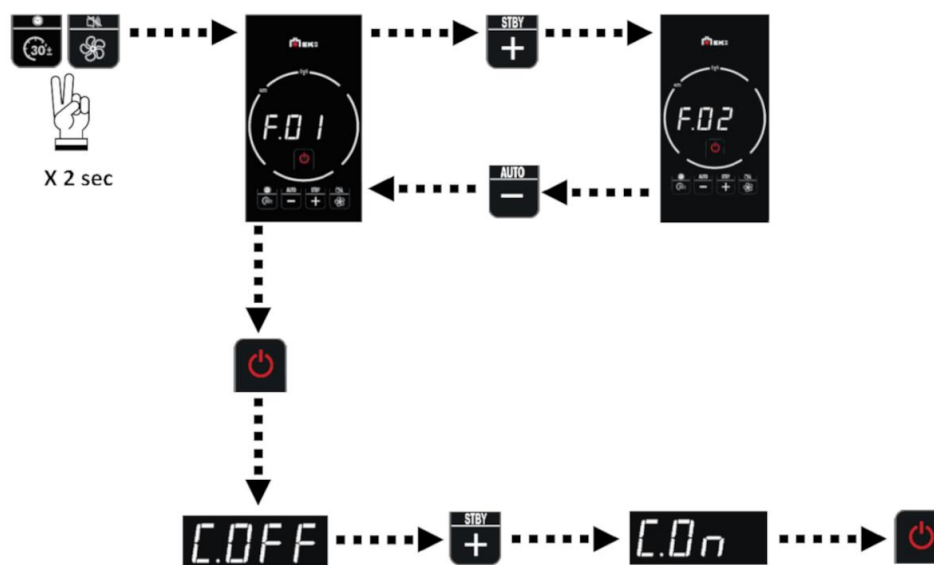
## 18.5. Cleaning (a signal that does not cause switch off)



While the product is carrying out the cleaning in operation, the display shows “CLn”, the product works normally but a different flame is displayed

## 19. SETTINGS FOR THE INSTALLER

### INSTALLER



CODE	EXPLANATION
F01	Refills the auger on the first switch on or after a “end of pellet” alarm Function active and only displayed in OFF state To be explained to the end customer
F02	Possibility to chose between remote control, room temperature probe or room temperature thermostat (default is room temperature probe)
F03	Possibility to use the auger motor continuously or in steps (default is continuous)
F04	Negative room temp. hysteresis (default 1.0°C). Range from 0.5°C to 5°C
F05	Changes the speed of the smoke extractor. Adjustment to be made according to the vacuum in the flue and the appearance of the flame
F06	The pellet loading varies based on the quality of the pellet
F07	Allows the enabling of an acoustic signal when pressing the keys (OFF if inactive ON if active)
F08	Re-programmes the motherboard after the stick has been inserted with the firmware function active and only displayed in the states of OFF, Switch off, Cooling and Alarm
F09	Function for "Smart EK63" App. Manages Wi-Fi connections. Allows for Smartphone and product to be paired
F10	Manages Bluetooth connections PAIR - Allows for the optional remote control to be paired UnPA - Deletes all previous devices connected via Bluetooth from the memory
F11	Remote updating of the panel in manual



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The names of Edilkamin&Co. official, authorised technical assistance centres (CAT) and distributors are available ONLY a [www.edilkamin.com](http://www.edilkamin.com)



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