

**VYDA2 H 18 UP**  
**VYDA2 H 22 UP**  
**KIRA2 H 18 UP**  
**KIRA2 H 22 UP**

PELLET BOILER STOVE



For all updates visit [www.edilkamin.com](http://www.edilkamin.com)

The original language of this manual is Italian

The undersigned, EDILKAMIN S.p.A., with registered office in Via P. Moscati 8 - 20154 Milan (Italy) - Tax ID Code and VAT number 00192220192

Hereby declares, under its sole responsibility, that:  
the pellet stoves mentioned below comply with Regulation (EU) No. 305/2011 and the harmonised European standard EN 14785:2006

PELLET STOVES, bearing the EDILKAMIN trademark, named  
VYDA2 H 18 UP KIRA2 H 18 UP  
VYDA2 H 22 UP KIRA2 H 22 UP

SERIAL NO.: Rating plate reference  
VYDA2 H 18 UP KIRA2 H 18 UP Dichiarazione di prestazione (DoP - EK n° 218)  
VYDA2 H 22 UP KIRA2 H 22 UP Dichiarazione di prestazione (DoP - EK n° 219)

Moreover, the company hereby declares that:  
the above-mentioned wood-burning pellet stoves satisfy the requirements of the following European directives:  
2014/35/EU - Low Voltage Directive  
2014/30/EU - Electromagnetic Compatibility Directive  
2011/65/EU - RoHS  
2009/125/EU - Ecodesign  
2010/30/EU - Labelling

Dear Sir/Madam,  
thank you for choosing our product and congratulations on your choice. Before using it, we kindly ask you to read this manual carefully, so that you can make the most of all its functions in total safety.

This manual is an integral part of the product. We ask you to keep it for the entire lifetime of the product. If you lose it, you can request a copy from your dealer or download it from [www.edilkamin.com](http://www.edilkamin.com)

## Readers of this manual

This manual is addressed to:

- those who will use the product at home ("USER");
- the technician who will install the product ("INSTALLER").

The target person of each page is indicated in a band at the bottom of the page (USER or INSTALLER).

## General information

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

If you find any anomalies, immediately contact the retailer where the purchase was made, providing them with a copy of the warranty certificate and the sales receipt.

The appliance must be correctly sized, installed, maintained and operated in compliance with local and national law and with European regulations. For the installation process, and for anything not specifically indicated in the manual, the local regulations apply.

The diagrams provided in this manual are for illustration purposes only: they do not always strictly refer to your specific model, and are not binding in any way.

## Identification of the product and warranty.

The product is uniquely identified by a number, its serial number (counterfoil) which can be found on:

- the warranty certificate;
- the CE plate.

Please keep:


- the warranty certificate accompanying the product;
- the purchase receipt given to you by the retailer;
- the declaration of conformity (or the documents required in the country of installation) issued to you by the installer.


The warranty conditions are given in the warranty certificate accompanying the product and on the website [www.edilkamin.com](http://www.edilkamin.com).




### MEANING OF SYMBOLS

In some parts of the manual the following symbols are used:

 **PLEASE NOTE:**  
carefully read and understand the message in question, since failure to follow the instructions in it could cause serious damage to the product and put the safety of those using it at risk.

 **INFORMATION:**  
failure to comply with these requirements will compromise product use.

 **OPERATING SEQUENCE:**  
follow the instructions for the operations described.

## CE marking

The product's CE marking plate is located on the back.

- The product is not designed for use by people, including children, with limited physical, sensory and mental abilities.
- The appliance is not designed for cooking purposes.
- The appliance is designed to burn wood pellets from category A1 in the UNI EN ISO 17225-2 standard, in the amounts and manner described in this manual.
- The appliance is designed for indoor use and in areas with normal humidity conditions.
- Keep the product in a dry place out of the weather.
- For the legal and company warranties, refer to the warranty certificate inside the product: specifically, neither Edilkamin nor the retailer are liable for damage resulting from incorrect installation or maintenance.
- parts (e.g. glass panel and pipes). **DO NOT TOUCH HOT PARTS** and, when the stove is switched off and still hot, always wear the glove supplied.
- contact with live electrical equipment (internal). **DO NOT ACCESS THE INTERNAL ELECTRICAL EQUIPMENT WHILE THE APPLIANCE IS POWERED ON.** Electrocution hazard.
- use of improper ignition aids (e.g. alcohol). **DO NOT IGNITE OR BOOST THE FLAME WITH FLUID SPRAYS OR A FLAME TORCH.** Serious risk of burns, damage and injury.
- use of fuel other than wood pellets. **DO NOT BURN WASTE MATTER, PLASTIC OR OTHER MATERIALS THAN WOOD PELLETS IN THE COMBUSTION CHAMBER.** The product may become soiled, the flue may catch fire, and environmental damage may ensue.
- cleaning the combustion chamber when hot. **DO NOT CLEAN THE HEARTH WITH A VACUUM CLEANER WHILE IT IS HOT.** You could damage the vacuum-cleaner and risk the emission of smoke in the room.

### **Safety risks may be caused by:**

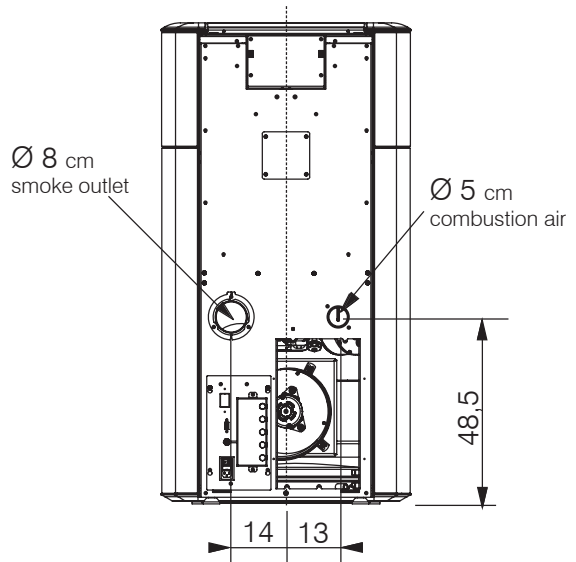
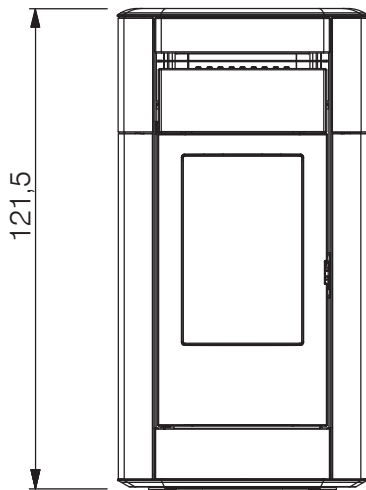
- installation in non-suitable settings, in particular those that are subject to fire risks. **DO NOT INSTALL THE PRODUCT IN AREAS SUBJECT TO THE RISK OF FIRE.**
- contact with fire and hot

- cleaning the smoke duct with cleaning products. **DO NOT CLEAN THE PRODUCT WITH FLAMMABLE PRODUCTS.** Risk of fire or blowback.
- cleaning the glass pane while hot or with unsuitable cleaning products. **DO NOT CLEAN HOT GLASS WITH WATER. ONLY USE RECOMMENDED GLASS CLEANING PRODUCTS.** Risk of cracking and permanent, irreparable damage to the glass.
- the storage of flammable materials at a distance which is less than the safe distances listed in this manual. **DO NOT PLACE LAUNDRY ON THE APPLIANCE. DO NOT PLACE DRYING RACKS WITHIN THE SAFETY CLEARANCE.** Keep flammable fluids away from the appliance. Fire hazard.
- blocking the aeration vents and air intakes in the room. **DO NOT BLOCK THE AERATION VENTS OR FLUE.** Risk of smoke returning into the room with consequent damage and injury.
- use of the product as a support or ladder. **DO NOT CLIMB ONTO THE PRODUCT OR USE IT AS A SUPPORT.** Risk of damage and injury.
- use of the stove with the combustion chamber open. **DO NOT USE THE PRODUCT WITH ITS DOOR OPEN.**
- incandescent material projected from the open door. **DO NOT throw incandescent material outside the appliance.** Fire hazard.
- use of water in case of fire. **CALL THE AUTHORITIES** if a fire breaks out.
- never operate the product without water in the circuit.
- running it dry can damage it.

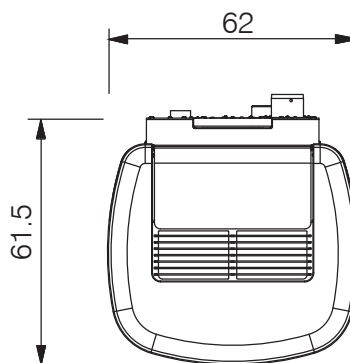
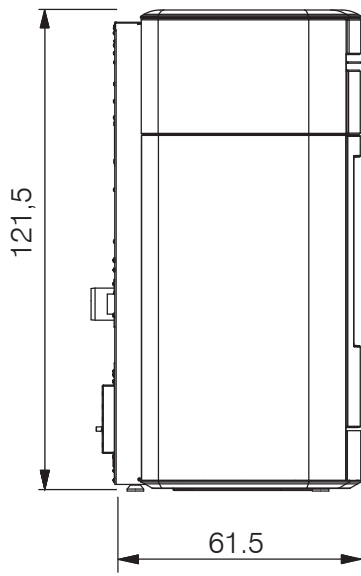
If you have doubts, please do not take any action, but contact the retailer or the installer.

For reasons of safety, read the user instructions included in this manual.

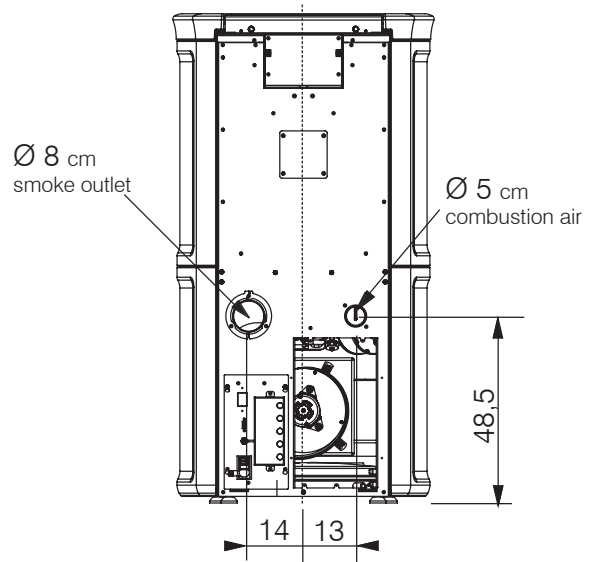
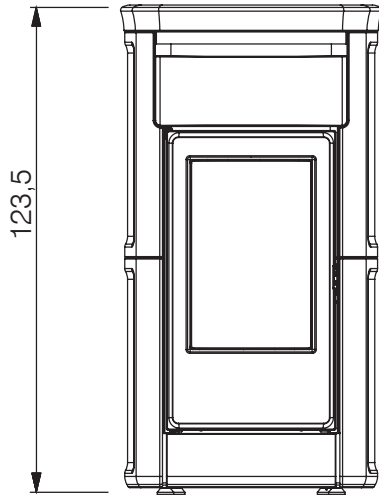
VYDA2 H 18, UP VYDA2 H 22 UP (cm)



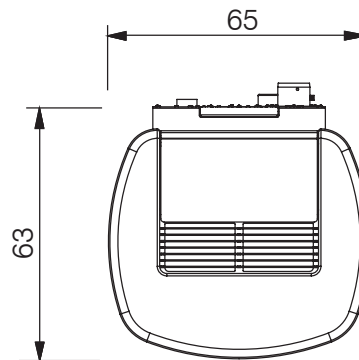
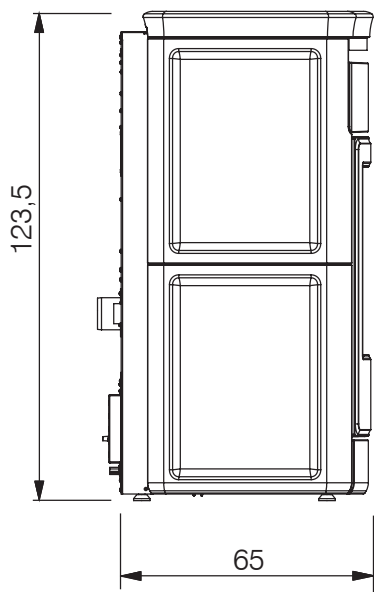
Hydraulic connections depend on the optional kits. You can find further information in the paragraph "water circuit installation"



KIRA H 18, KIRA H 22 (cm)



Hydraulic connections depend on the optional kits. You can find further information in the paragraph "water circuit installation"



**TECHNICAL DATA pursuant to EN 14785** The data shown is purely indicative and was measured during the certification phase at notified bodies under standard conditions.

|  | VYDA2 H 22 UP<br>KIRA2 H 22 UP | VYDA2 H18 UP<br>KIRA2 H 18 UP |               |                   |
|--|--------------------------------|-------------------------------|---------------|-------------------|
|  | Nominal power                  |                               | Reduced power |                   |
| Available power  | 22,8                           | 19,2                          | 5,4           | kW                |
| Power available to water                                       | 19                             | 15,5                          | 4,3           |                   |
| Efficiency   | 91,6                           | 91,7                          | 93,8          | %                 |
| CO emissions at 13% O <sub>2</sub>                             | 94                             | 61                            | 31            | mg/m <sup>3</sup> |
| Smoke temperature  | 149                            | 138                           | 74            | °C                |
| Fuel consumption *   | 5,2                            | 4,4                           | 1,2           | kg/h              |
| Tank capacity  | 30                             |                               |               | kg                |
| Draught  | 11,8                           |                               | 9,8           | Pa                |
| Autonomy   | 6                              | 7                             | 25            | ore               |
| Water content  | 20                             |                               |               | l                 |
| Closed vessel  | 8                              |                               |               | l                 |
| Maximum operating pressure                                     | 3                              |                               |               | bar               |
| Maximum operating temperature                                  | 90                             |                               |               | °C                |
| Heatable volume **   | 595                            | 500                           |               | m <sup>3</sup>    |
| Smoke duct diameter  | 80                             |                               |               | mm                |
| Air intake duct diameter                                       | 50                             |                               |               | mm                |
| Weight including packaging                                     | 307/259                        |                               |               | kg                |
| Energy efficiency class (Regulation 1185/ 2015)(Classi A+ +/G) | A+ +                           |                               |               |                   |

\* A calorific value of 4.8 kW/kg was used to calculate consumption.

\*\* The heatable volume is calculated based on the assumption of a heating demand of 33 Kcal/m<sup>3</sup> hour.

\*\*\* The autonomy may vary in relation to the usage/installation/fuel characteristics and is not contractually binding nor can it constitute grounds for dispute.

\*\*\* Accessories for ducting hot air are available.

The product can work safely even with greater draught.

Excessive draught could cause the product to switch off and/or lower its performance.

**NOTE: the smoke outlet diameter does not match the chimney system diameter, which must be sized accordingly.**

**EDILKAMIN S.p.A. reserves the right to modify the product at its own discretion and without prior notice, with a view to improvements.**



**DATI TECNICI PER DIMENSIONAMENTO CANNA FUMARIA**

che deve comunque rispettare le indicazioni della presente scheda e delle norme di installazione di ogni prodotto

|                                      | VYDA2 H 22 UP<br>KIRA2 H 22 UP | VYDA2 H18 UP<br>KIRA2 H 18 UP |                 |     |
|--------------------------------------|--------------------------------|-------------------------------|-----------------|-----|
|                                      | Potenza Nominale               |                               | Potenza Ridotta |     |
| Temperatura uscita fumi allo scarico |                                |                               |                 | kW  |
| Tiraggio minimo                      | 0,01                           |                               |                 | Pa  |
| Portata fumi                         | 15,5                           | 14,2                          | 6,7             | g/s |
| Emissione CO2                        | 11,6                           | 10,5                          | 5,9             | %   |

**ELECTRICAL SPECIFICATIONS**

|                         | VYDA2 H 22 UP<br>KIRA2 H 22 UP  | VYDA2 H18 UP<br>KIRA2 H 18 UP |                 |   |
|-------------------------|---------------------------------|-------------------------------|-----------------|---|
|                         | Potenza Nominale                |                               | Potenza Ridotta |   |
| Power supply            | 230 Vac +/- 10% 50 Hz           |                               |                 |   |
| Absorbed power          | 80                              | 80                            | 70              | W |
| Absorbed power stand by | 3                               |                               |                 | W |
| Max Absorbed power      | 300                             |                               |                 | W |
| Protection              | Fusibile 250v 4 AT 5 mm x 20 mm |                               |                 |   |

**ECODESIGN REQUIREMENTS FOR SOLID FUEL BOILERS  
ACCORDING TO COMMISSION REGULATION (EU) 2015/1185  
AND ECOLABEL REQUIREMENTS FOR SOLID FUEL BOILERS  
ACCORDING TO COMMISSION REGULATION (EU) 2015/1186**

EDILKAMIN – VYDA2 H 22 UP, BLADE2 H 22 UP, KIRA2 H 22 UP

ITALIANA CAMINI – LAYMA2 IDRO 22

Indirect heating functionality: YES

Direct heat output: 3,8 kW (space heat output)

Indirect heat output: 19,0 kW (water heat output)

| 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                        | no                      | 88,8          | 11  | 1   | 94 | 96  | 10  | <1  | 31 | 95  |  |

Characteristics when operating with the preferred fuel only:

Seasonal space heating energy efficiency  $\eta_s$  [%]: 88,8

Energy efficiency index EEL: 130

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   | $P_{nom}$   | 22,8  | kW   | Useful efficiency at nominal heat output                         | $\eta_{thnom}$ | 91,6  | %    |
| Minimum heat output (indicative)                            | $P_{min}$   | 5,4   | kW   | Useful efficiency at minimum heat output (indicative)            | $\eta_{thmin}$ | 93,8  | %    |
| <b>Auxiliary electricity consumption</b>                    |             |   |      | <b>Type of heat output/room temperature control (select one)</b> |                |       |      |
| At nominal heat output                                      | $e_{max}$   | 0,080   | kW   | single stage heat output, no room temperature control            |                |       | NO   |
| At minimum heat output                                      | $e_{min}$   | 0,070   | kW   | two or more manual stages, no room temperature control           |                |       | NO   |
| In standby mode   | $e_{sb}$    | 0,003   | kW   | with mechanic thermostat room temperature control                |                |       | NO   |
| <b>Permanent pilot flame power requirement</b>              |             |   |      | with electronic room temperature control                         |                |       | NO   |
| Pilot flame power requirement (if applicable)               | $P_{pilot}$ | N.A.  | kW   | with electronic room temperature control plus day timer          |                |       | NO   |
|   |             |   |      | with electronic room temperature control plus week timer         |                |       | YES  |
|   |             |   |      | <b>Other control options (multiple selections possible)</b>      |                |       |      |
|   |             |   |      | room temperature control, with presence detection                |                |       | NO   |
|   |             |   |      | room temperature control, with open window detection             |                |       | NO   |
|   |             |   |      | with distance control option                                     |                |       | YES  |
| <b>Contact details</b>                                      |             | <b>Name and address of the manufacturer or its authorized representative.</b> |      |  |                |       |      |
| Tel. +39 02 937621<br>www.edilkamin.it<br>mail@edilkamin.it |             | Manufacturer: EDILKAMIN SPA<br>Via Mascagni 7<br>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.

**ECODESIGN REQUIREMENTS FOR SOLID FUEL BOILERS  
ACCORDING TO COMMISSION REGULATION (EU) 2015/1185  
AND ECOLABEL REQUIREMENTS FOR SOLID FUEL BOILERS  
ACCORDING TO COMMISSION REGULATION (EU) 2015/1186**

EDILKAMIN – VYDA2 H 18 UP, BLADE2 H 18 UP, KIRA2 H 18 UP  
ITALIANA CAMINI – LAYMA2 IDRO 18

Indirect heating functionality: YES

Direct heat output: 3,7 kW (space heat output)

Indirect heat output: 15,5 kW (water heat output)

| 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                        | no                      | 88,7          | 14  | 1   | 61 | 96  | 10  | <1  | 31 | 95  |

Characteristics when operating with the preferred fuel only:

Seasonal space heating energy efficiency  $\eta_s$  [%]: 88,7

Energy efficiency index EEI: 130

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                            | $P_{nom}$   | 19,2  | kW   | Useful efficiency at nominal heat output                         | $\eta_{s,nom}$ | 91,7  | %    |
| Minimum heat output (indicative)               | $P_{min}$   | 6,4   | kW   | Useful efficiency at minimum heat output (indicative)            | $\eta_{s,min}$ | 93,8  | %    |
| <b>Auxiliary electricity consumption</b>       |             |       |      | <b>Type of heat output/room temperature control (select one)</b> |                |       |      |
| At nominal heat output                         | $e_{l,nom}$ | 0,080 | kW   | single stage heat output, no room temperature control            |                | NO    |      |
| At minimum heat output                         | $e_{l,min}$ | 0,070 | kW   | two or more manual stages, no room temperature control           |                | NO    |      |
| In standby mode                                | $e_{l,sk}$  | 0,003 | kW   | with mechanic thermostat room temperature control                |                | NO    |      |
| <b>Permanent pilot flame power requirement</b> |             |       |      | with electronic room temperature control                         |                | NO    |      |
| Pilot flame power requirement (if applicable)  | $P_{pilot}$ | N.A.  | kW   | with electronic room temperature control plus day timer          |                | NO    |      |
|  |             |       |      | with electronic room temperature control plus week timer         |                | YES   |      |
|  |             |       |      | <b>Other control options (multiple selections possible)</b>      |                |       |      |
|  |             |       |      | room temperature control, with presence detection                |                | NO    |      |
|  |             |       |      | room temperature control, with open window detection             |                | NO    |      |
|  |             |       |      | with distance control option                                     |                | YES   |      |

|   |   |
|---|---|
| Contact details   | Name and address of the manufacturer or its authorized representative:      |
| Tel. +39 02 937021<br>www.edilkamin.it<br>mail@edilkamin.it | Manufacturer: EDILKAMIN SPA<br>Via Mascagni 7<br>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.

**PREPARATION AND UNPACKING**

The packaging materials are neither toxic nor noxious and do not require special disposal.

The user is responsible for storing, disposing of and recycling them in a regulatory fashion.



Always move the stove in an upright position with suitable equipment and in observance of safety regulations.

Do not turn the package over, and handle all parts requiring installation with care.

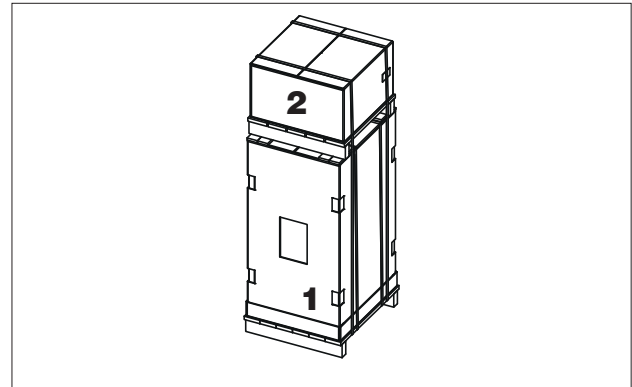
**PACKAGING** (further information in the paragraph on linings)

The delivery consists of two packages:

- one **(1)** with the structure of the boiler stove
- one **(2)** with the ceramic or stone cladding

In the boiler stove package you will find:

- warranty certificate,
- this manual,
- power cable,
- small parts for installing the lining \* (further details on the following page),
- grille of the top,
- protective lever (removable handle) for opening the combustion chamber door.

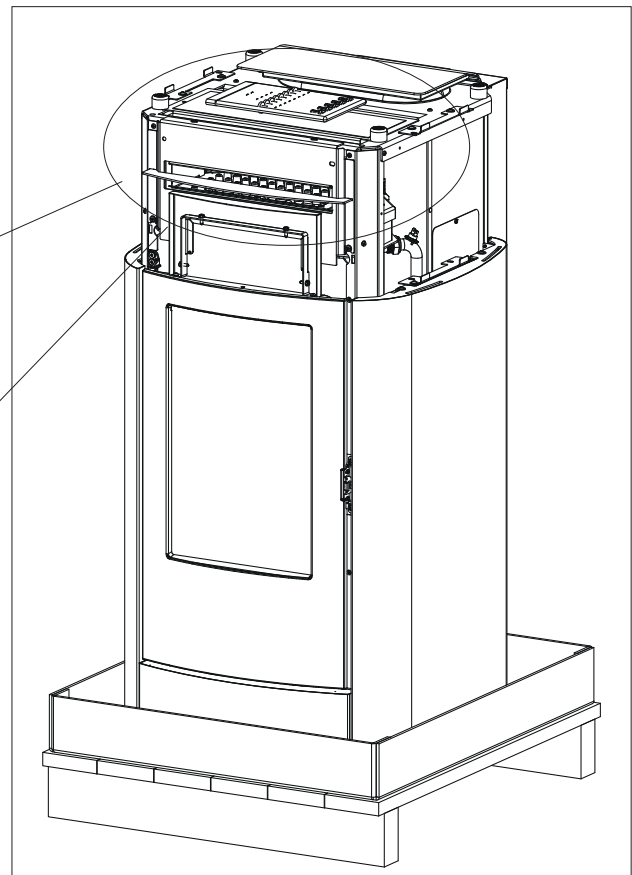
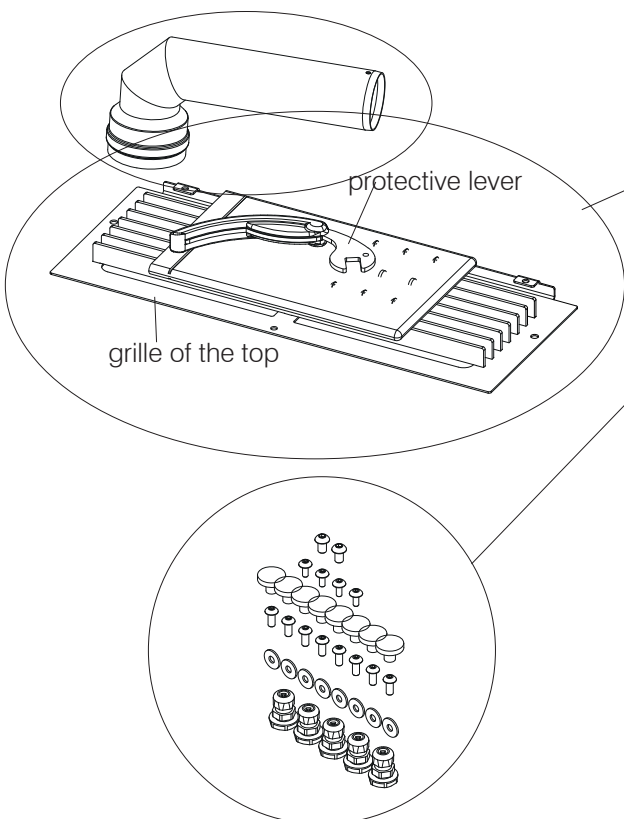


The metal grille of the top is contained in package (1) with the boiler stove, provided with the small parts for its installation (three M4 screws for the ceramic parts and M6 for the stone parts, washers and rubber buffers to be applied on top of the grille)

\* Other small parts (for Vyda H and Kira H)

- M4 screws with washers for fixing the ceramic parts
- M5 screws with washers for the ceramic sides of Kira H
- M6 screws for fixing the stone parts
- cable glands for the terminal board on the rear

**THE EXHAUST PIPE TO BE CONNECTED TO THE FUME MOTOR IS LOCATED IN THE PELLET TANK.**



On the top of the boiler stove there are the components described above



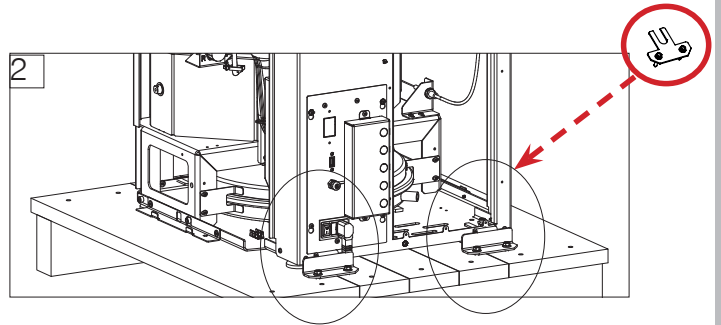
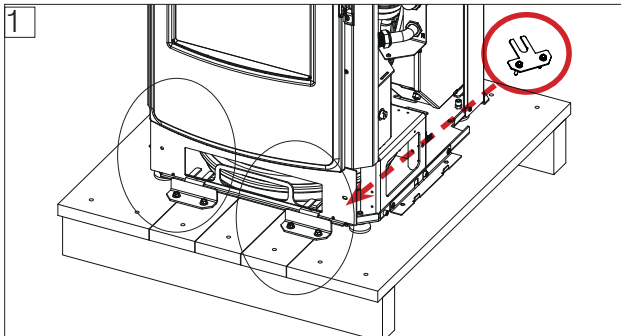
DO NOT TRY TO REMOVE THE PRODUCT FROM THE PALLET WITHOUT HAVING OPENED THE COMBUSTION CHAMBER DOOR AND UNDONE THE SCREWS WHICH FIX IT TO THE PALLET

The drawings are for guidance only, useful for the installation, but they may not refer to the specific model.

**TO REMOVE KIRA H FROM THE PALLET**

To remove the boiler stove from the pallet you must (see figures below corresponding to instructions):

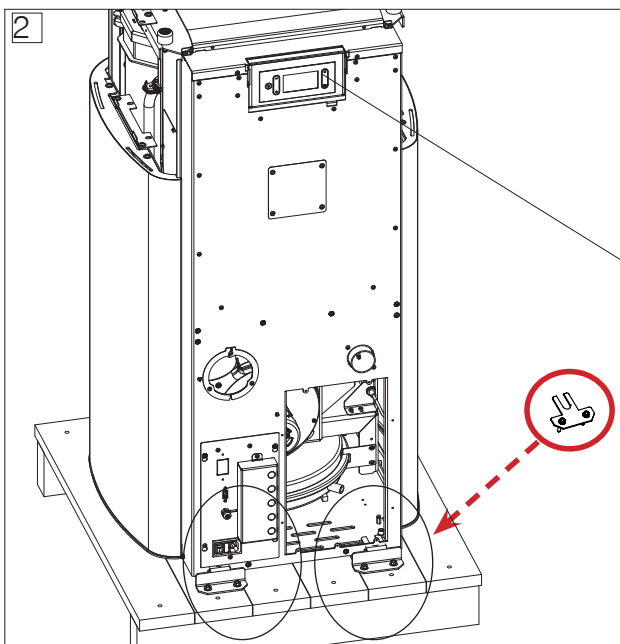
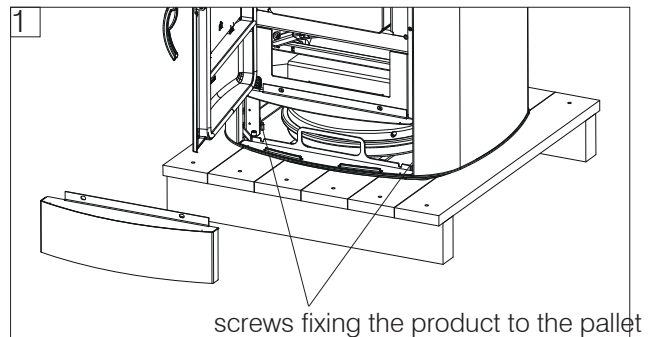
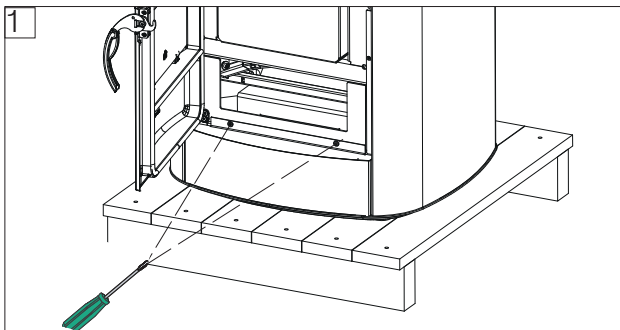
1. remove the two brackets (screwed) on the front
2. remove the two brackets (screwed) on the rear of the boiler stove



**TO REMOVE VYDA H FROM THE PALLET**

To remove the boiler stove from the pallet you must (see figures below corresponding to instructions):

1. open the combustion chamber door; undo the two screws holding the bottom front panel and remove it to access the two screws which fix the product to the pallet
2. remove the two brackets (screwed) on the rear of the boiler stove

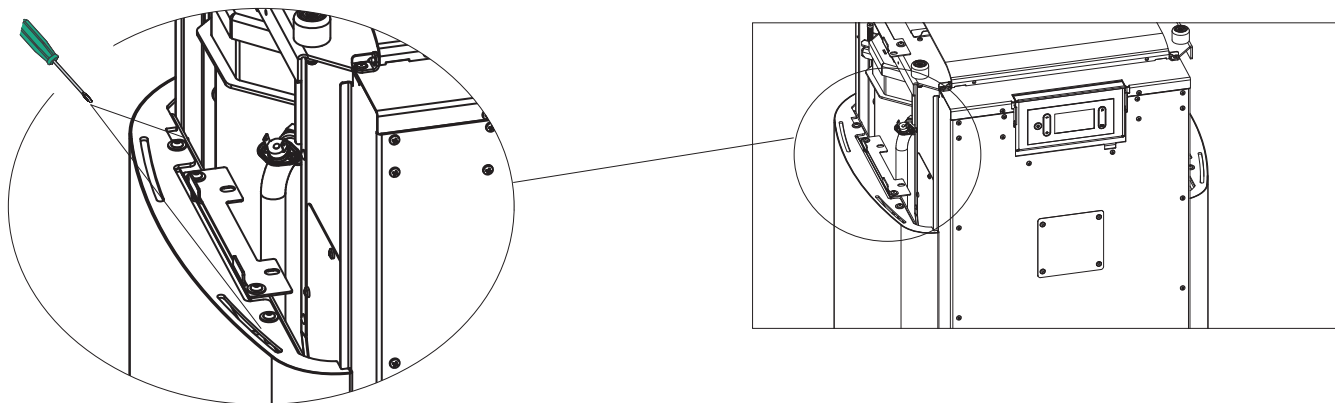


Pay attention in order to avoid impacts to the panel with the display during handling

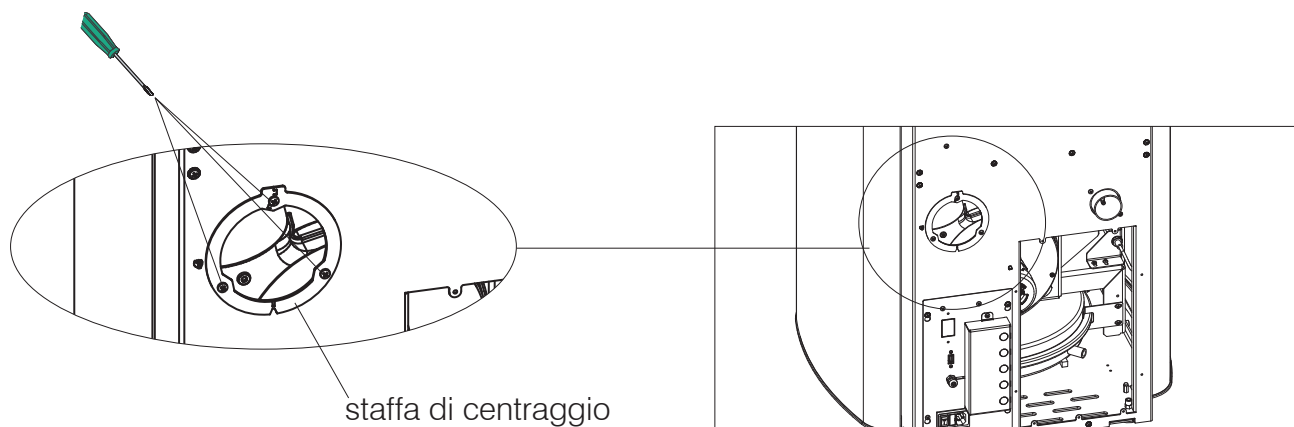
**THE EXHAUST PIPE TO BE CONNECTED TO THE FUME MOTOR IS LOCATED IN THE PELLET TANK.**

The drawings are for guidance only, useful for the installation, but they may not refer to the specific model.

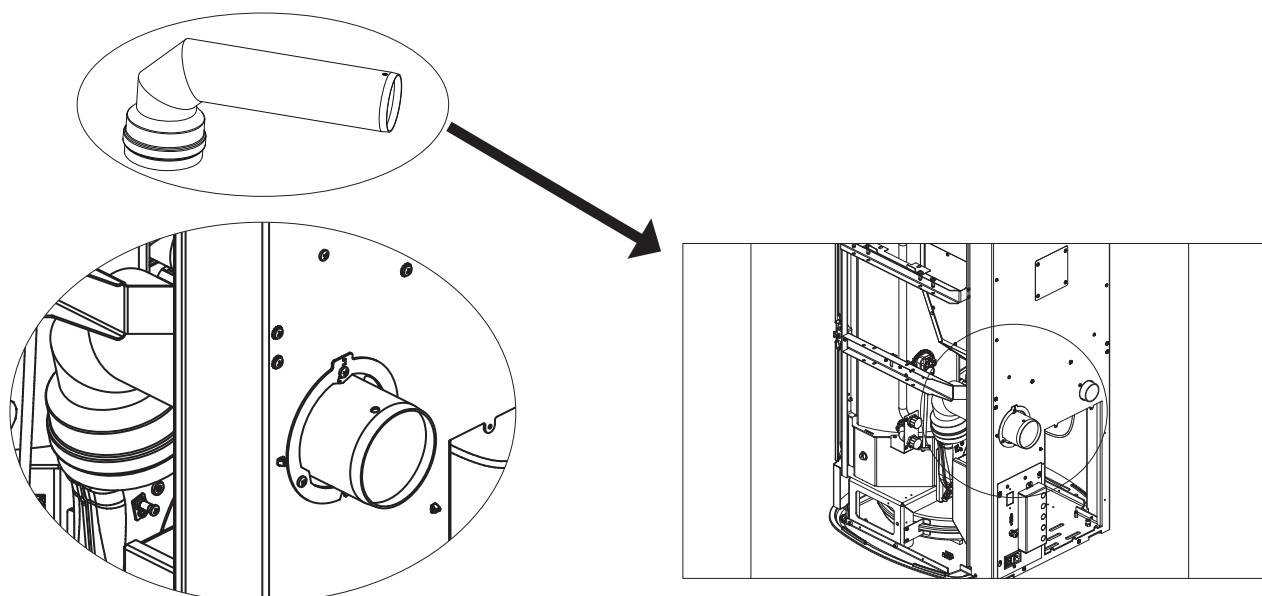
1. Open the lid of the pellet tank and take the pipe
2. **FOR VYDA H** : remove the right side panel when viewing the stove from the front. To remove it, unscrew the two upper screws and remove it from the snap fastening below.



3. Unscrew the three screws securing the centring bracket to the back of the stove



4. Push one end out from the back of the stove and fit the pipe onto the fume motor. Reposition and the centring bracket screw it to the back of the stove



## PLUMBING

Vyda H and Kira H are provided with a closed expansion tank.

The built-in expansion tank does NOT ensure proper protection of the water in the entire system from thermal expansion.

Therefore, installers should assess whether an additional expansion tank is needed, depending on the type of system.

ALL OTHER HYDRAULIC COMPONENTS MAY BE INSTALLED WITHIN THE BOILER STOVE BY PURCHASING A KIT FROM EDILKAMIN OR IF PREPARED BY THE INSTALLER.

Plumbing depends on the type of system.

However, there are some “general rules”:

- The hydraulic system must operate at a pressure between 1 and 1.5-2 bar at running temperature (hot) in a closed vessel circuit.
- DO NOT install the boiler stove as a replacement in a system with an open expansion tank.
- The presence of an accumulator (tank) is recommended but not mandatory. Its advantage is that it releases the boiler stove from “sudden” requests from the system and can be integrated with other heat sources. It reduces fuel consumption and increases the efficiency of the system. Edilkamin recommends an accumulator of at least 20 l/kW.
- The return temperature of water to the boiler stove must be higher than 50-55° C to prevent the formation of condensation.
- An accumulator (tank) is needed to heat low-temperature radiant panels and must be installed according to the panel manufacturer's instructions.
- The material used in the circuit must be suitable to withstand overheating.
- The installer must determine whether or not to use conditioned products. In Italy, refer to UNI 8065 (Water treatment in heating systems for civil use).
- Direct plumbing to radiators prevents proper operation, owing to the small diameter of their pipes.

Edilkamin offers four internal kits (optional)

## PRESSURE GAUGE

Kits are provided with an electronic reading system for water pressure. Therefore, there is no analogue pressure gauge. Edilkamin proposes an analogue pressure gauge as optional.



**check that the swivel nut (G) on the two output pipes of the boiler stove are closed**



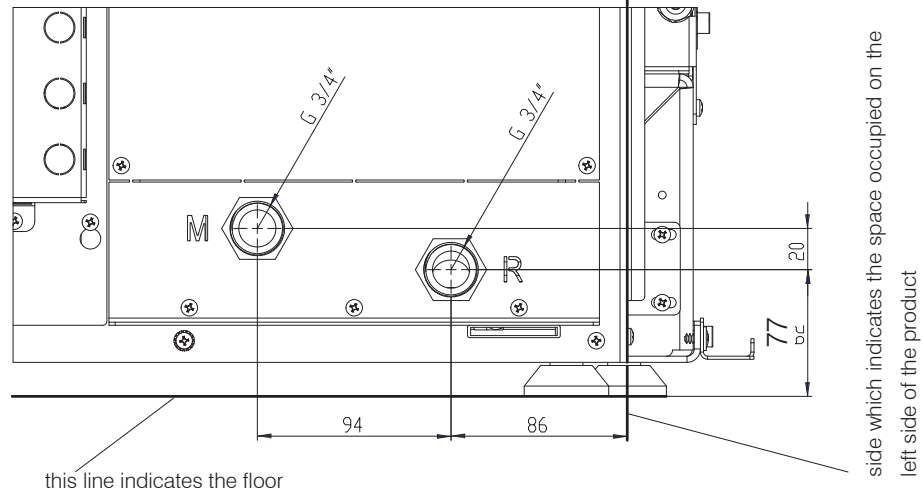
## VENT

During normal operations the vent is automatic. During installation, the technician must check the functionality of the automatic vent and assess whether a manual vent needs to be installed.

Real size templates are available for technicians.

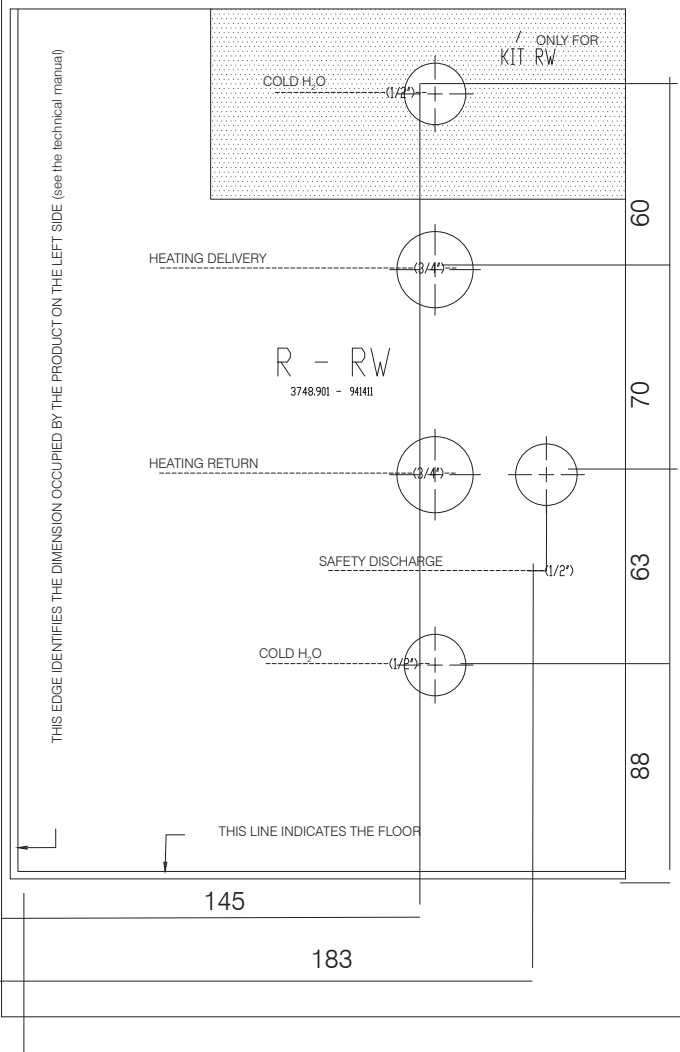


PIPE KIT Measurements in mm

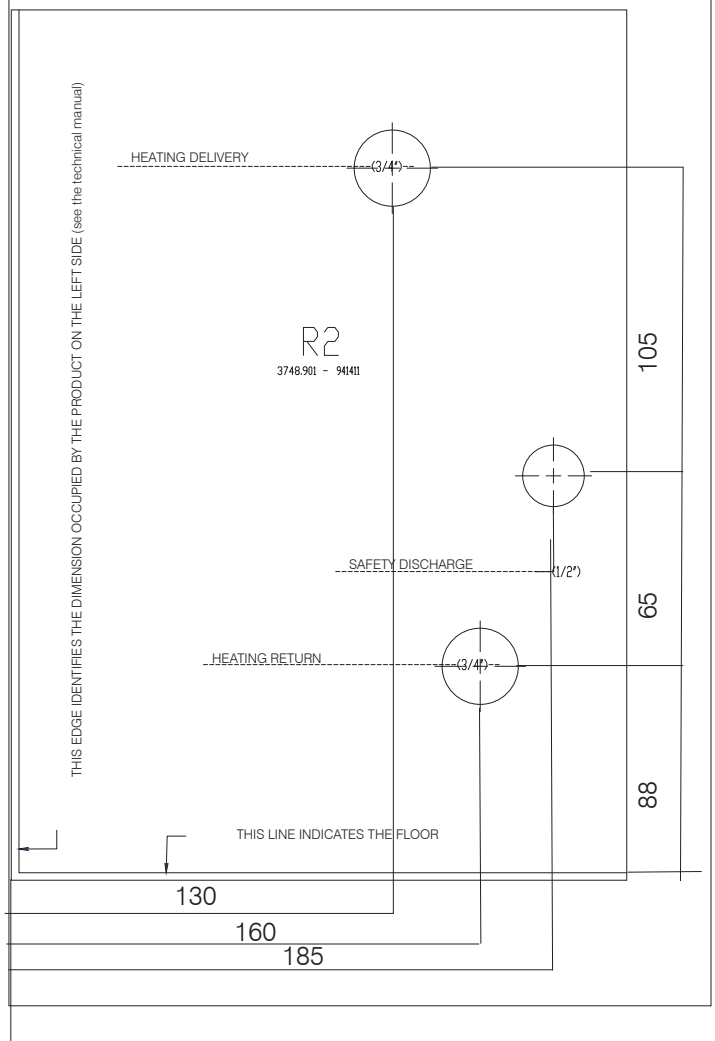


side which indicates the space occupied on the left side of the product

KIT R-RW Template hydraulic fittings in mm



KIT R2 Template hydraulic fittings in mm





**REMARKS ON INSTALLATION**

Please note that:

- the installation must be carried out by qualified personnel;
- the appliance must be installed and used in compliance with all local and national law and with European regulations; The Italian reference standard is UNI 10683. ; if the product is installed in a condominium, the appliance must be approved by the administrator;
- if the product is installed in public premises, check and follow the local regulations applicable to this type of installation.

Below are a few general instructions which, however, do not obviate the need to comply with local regulations and do not imply any liability on the installer’s job.

**Checking the suitability of the room of installation**

- The room must have a volume of at least 30 m³.
- The floor must be able to bear the weight of the product and its accessories\* (see the note in the paragraph on heat protection).
- Level the appliance.
- In Italy, pursuant to the UNI 10683 standard, the appliance can also be installed in bedrooms or in rooms which already include a product that takes in combustion air from the same room, provided that the air inlet is connected to the outside.
- Do not install the product in rooms where there is a risk of fire or explosion.
- In Italy, verify the compatibility pursuant to the UNI 10683 and UNI 7129 standards in the presence of gas-fired products.

**Protection from heat and safety clearances**

The surfaces of the building adjacent to the product must be protected against overheating. The insulation to be used will depend on the type of surface in question.

The appliance must be installed in accordance with the following safety instructions:

- minimum clearance of 15 cm at the sides and 10 cm at the back from flammable materials;
- no flammable materials may be kept closer than 80 cm from the front of the appliance.

If the product is installed with a wooden wall or a wall made of other flammable material, the flue must be appropriately insulated.

If the product is installed on a flammable and/or combustible floor, or on a floor incapable of bearing its load\*, we recommend placing a steel or glass plate under the stove to distribute the load.

Contact the retailer for this type of optional feature.

**Positioning the product**

The product is designed to operate in all climate conditions. In special circumstances, such as strong wind, the safety devices may intervene to switch the appliance off.

Contact the authorised Edilkamin Technical Assistance Centre.



**NOTE**

The smoke outlet diameter does not match the chimney system diameter. The chimney system must be sized in accordance with the national and local regulations.

In particular (this is not an exhaustive list), refer to the EN 13384, EN 1443, EN 1856, EN 1457 standards and to all local regulations.

**FLUE SYSTEM**

**(Fumes duct, flue and chimney pot)**

This chapter has been drawn up pursuant to European regulations EN 13384, EN 1443, EN 1856 and EN 1457. The installer must observe both these and any other local regulations. This manual does not in any way substitute the applicable regulations.

The product must be connected to a smoke exhaust system which ensures that the smoke produced by combustion is expelled in complete safety.

Before positioning the appliance, the installer must check that the flue is suitable.

**SMOKE DUCT, FLUE**

The smoke duct (which connects the combustion chamber smoke outlet with the flue inlet) and the flue itself must, among other regulatory requirements, generally:

- receive the outlet from a single product only (outlets of more than one product together are not allowed)\*; specific regulations apply in certain countries, therefore the installer must ensure that the local regulations have been observed;
- be installed vertically for the most part;
- have no downward sloping sections;
- preferably have a round internal cross-section and nevertheless with a ratio between the sides below 1.5;
- end at roof level with a proper chimney pot: the flue may not discharge directly on the wall or into an enclosed space, even if the space in question opens onto the sky;
- be made of material rated fire reaction class A1 per UNI EN 13501 or analogous national regulations;
- be appropriately certified, with a suitable chimney plate if made of metal;
- maintain the same cross-section throughout: it may only vary immediately after the outlet, not along the flue.

**THE SMOKE DUCT**

In addition to the general requirements for the fume duct and the flue, the fume duct:

- may not be made of flexible metal material;
- must be insulated if routed through unheated areas or outside;
- must not be routed through rooms where the installation of combustion heat generators is prohibited, or that are subject to potential fire, or that cannot be inspected;
- must enable the recovery of soot and be open for inspection;
- generally speaking, must not have more than 3 bends with a 90° maximum angle; the technician who sizes them must assess the situation;
- generally speaking, if there is a horizontal section, it can have a maximum/average length of 3 metres, depending on the draught. Nonetheless, take into account that long sections favour dirt build-up and are harder to keep clean; the technician who sizes the pipes must assess the situation.



Avoid infiltration of condensate water through the flue. If necessary, mount an anti-condensate ring – ask your chimney sweeper for details.  
Damage caused by condensate water is not covered by the warranty.



\* In some nations, installations with multiple flues are permitted under certain conditions. Depending on regional regulations, additional safety systems are necessary in case of connection to multiple flues. Your chimney sweeper/technician will be able to provide further details.

**THE FLUE:**

In addition to the general instructions applicable to the fume duct and the flue, the flue:

- must only be used for discharging fumes;
- must be correctly sized to satisfy the requirements for flue gas discharging (EN 13384-1, a non-exhaustive example);
- must preferably be insulated, made of steel and with a round inner cross-section. If rectangular, the corners must have a radius of no less than 20 mm, with a ratio between the inner dimensions <1.5;
- must normally have a minimum height of 1.5 metres;
- must have a constant cross-section;
- must be waterproof and thermally insulated to ensure proper draught;
- preferably mount a collection chamber for unburnt residues and any condensate build-up;
- if pre-existing, it must be clean to prevent fire hazards;
- in general, we recommend embedding the flue in the existing masonry chimney if its diameter exceeds 150 mm; the technician who sizes the pipes must assess the situation.

**EMBEDDED SYSTEM:**

In addition to the general requirements applicable to the fume duct and the flue, the embedded system must:

- operate in negative pressure;
- be open to inspection;
- comply with the local regulations.

**THE CHIMNEY POT**

- must be anti-downdraught;
- must have an internal cross section equivalent to that of the flue and a fumes outlet at least double that of the interior of the flue;
- for dual flues (which should be spaced at least 2 m apart) the chimney pot receiving the fumes from the solid fuel appliance or that from the higher storey, must be at least 50 cm higher than the other;
- must extend beyond the back-flow zone (in Italy, refer to UNI 10683 point 6.5.8.);
- must allow for maintenance of the chimney.

**EXTERNAL AIR INTAKE**

In general, we suggest two alternative ways for ensuring a proper flow of indispensable combustion air.

**Indirect air intake**

Install an air outlet at floor level with an effective surface area (net of the screen or other protections) of at least 80 cm<sup>2</sup> (10 cm in diameter).

To prevent draughts, we recommend installing the intake behind the stove or behind a radiator.

Installing it in front of the appliance will create unpleasant draughts.

**Direct air intake**

Install an air intake with an effective size (net of the mesh or other protective equipment) that is at least equal to that of the air intake at the back of the product. Choose the diameter based on the load losses.

Connect the air intake to the appliance's air intake with a pipe that may also be flexible. Increase the pipe diameter if the pipe is not smooth: assess any load loss.

A maximum length of 5 metres is recommended, with no more than 3 bends depending on the draught of the flue.

The air may be drawn from an adjacent room only if:

- the flow is taken from permanent and unobstructed openings communicating with the outdoors;
- the air pressure in the adjacent room is never lower than that of the outdoor pressure;
- the adjacent room is not a garage, subject to fire hazard, a bathroom or a bedroom;
- the adjacent room is not a shared room in the building.

In Italy, the UNI 10683 standard states that ventilation is sufficient even if a pressure difference between the outdoors and indoors of no more than 4 Pa is guaranteed (UNI EN 13384-1 standard, a non-exhaustive example). The installer who issues the declaration of conformity is responsible for ensuring these conditions.

**CHECKING THE ELECTRICAL CONNECTIONS  
(the power socket must be located in an  
easy-to-access position)**

The stove is equipped with an electrical power cord or connection to a 230V 50 Hz socket, preferably with an electromagnetic switch.

Variations in voltage of more than 10% can compromise the operation of the stove.

The power line must be of adequate section for the power of the appliance.

Power up the stove by shifting its switch from 0 to 1. There is a 4 A fuse on the socket with switch located at the rear of the stove.

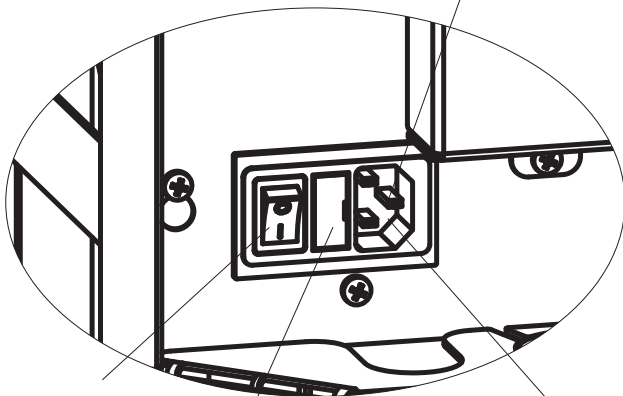
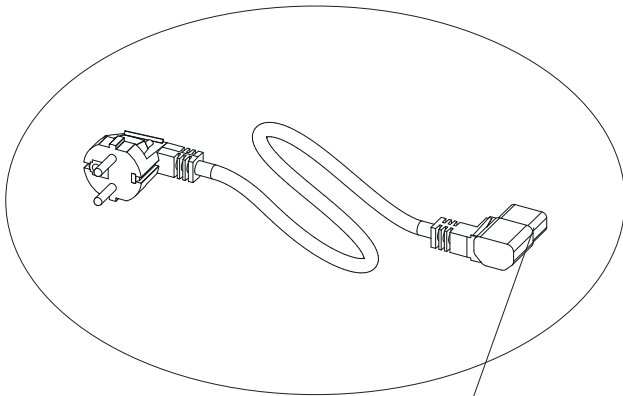


The electrical system must be compliant; check the operation of the earth in particular.

Edilkamin is not responsible for malfunctions resulting from an improperly earthed system.



The power cable must not come into contact with the flue pipes or other hot parts of the stove.

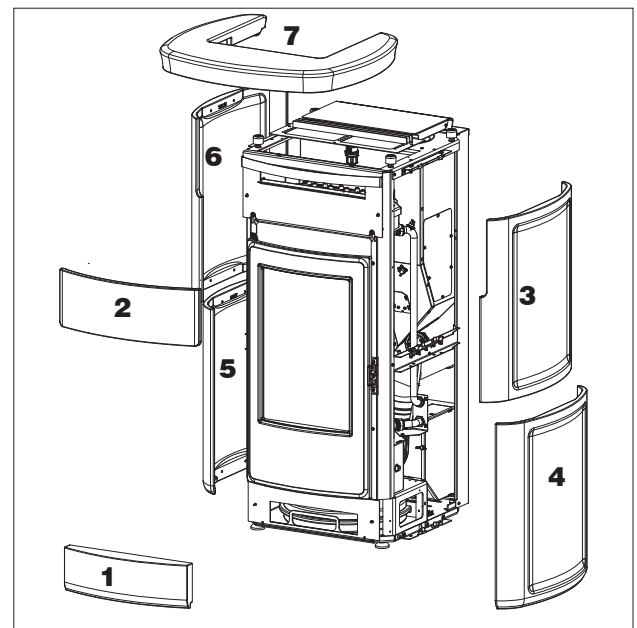
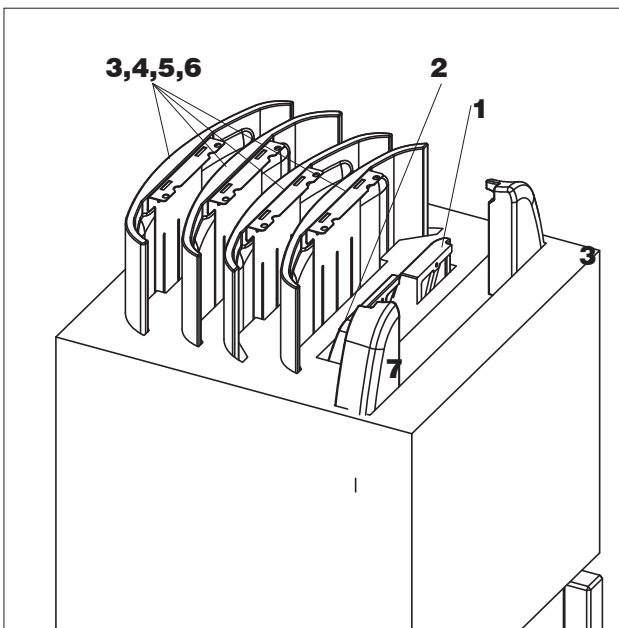


switch

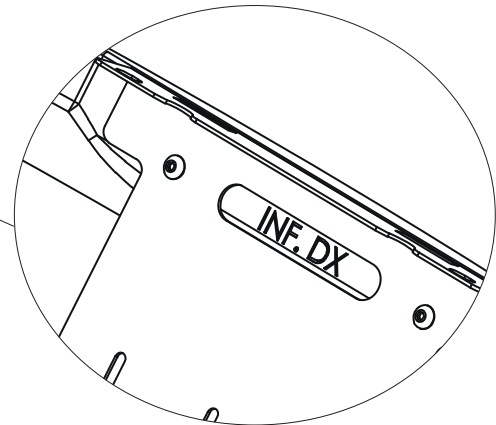
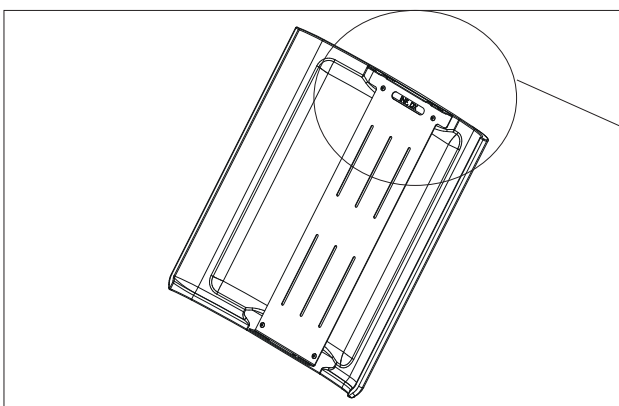
power supply

fuse compartment

| Description              | Reference in Figures below | Quantity |
|--------------------------|----------------------------|----------|
| Bottom front panel       | (1)                        | no.1     |
| Top front panel          | (2)                        | no.1     |
| Top right ceramic side   | (3)                        | no.1     |
| Lower right ceramic side | (4)                        | no.1     |
| Lower left ceramic side  | (5)                        | no.1     |
| Top left ceramic side    | (6)                        | no.1     |
| Ceramic top              | (7)                        | no.1     |



The position of each ceramic side is indicated on the interior part of each piece (example BTM. RH.)



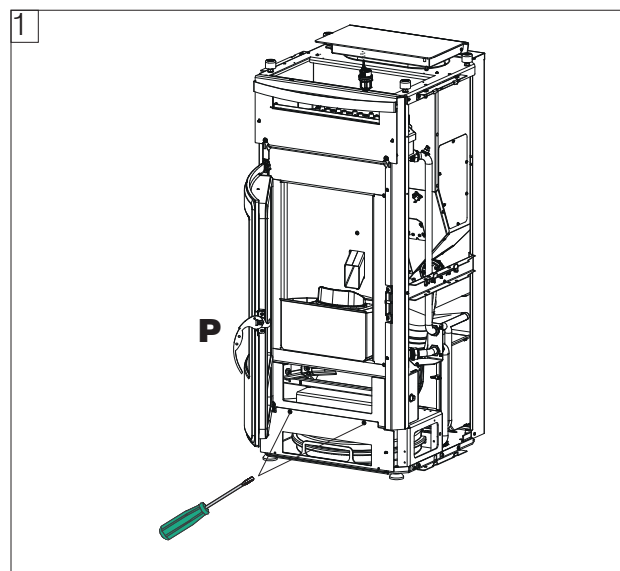
The metal grille of the top is in the package of the stove structure together with the M4 screws, fixing washers and the two rubber buffers to be applied on top of the grille

\* Small parts to be used for Kira H:

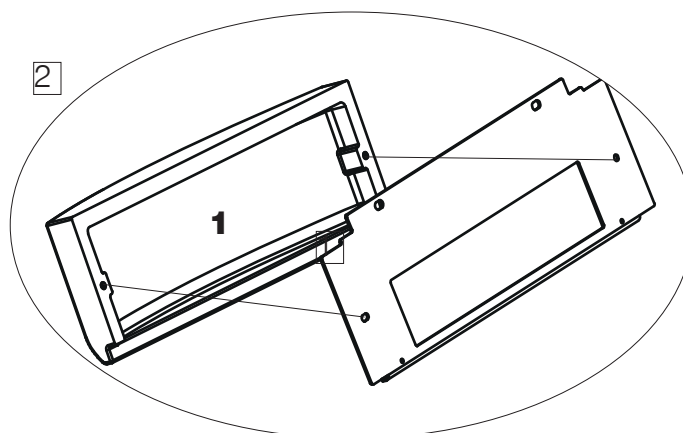
- M4 screws with washers for fitting the ceramic front parts
- M5 screws and washers for fitting the ceramic sides
- cable glands for the terminal board on the rear

### Fitting of the bottom front panel (1)

1. Open the combustion chamber door with the protective lever (removable handle P) and undo two screws to remove the bottom metal front panel

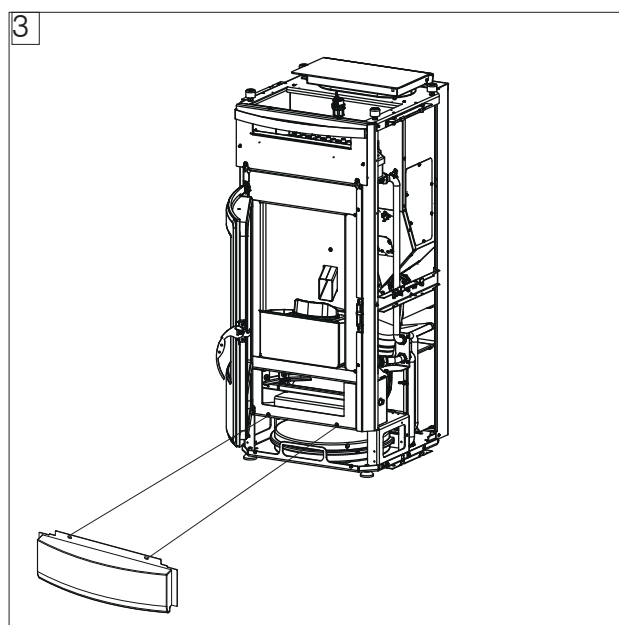
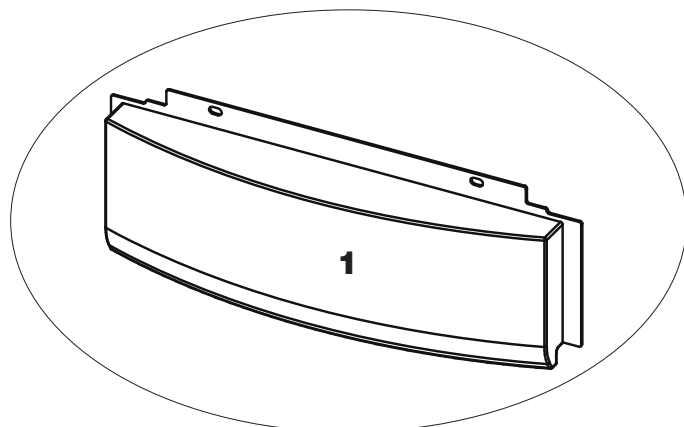


2. Fit the ceramic part on the bottom metal front panel using the M4 screws with washers



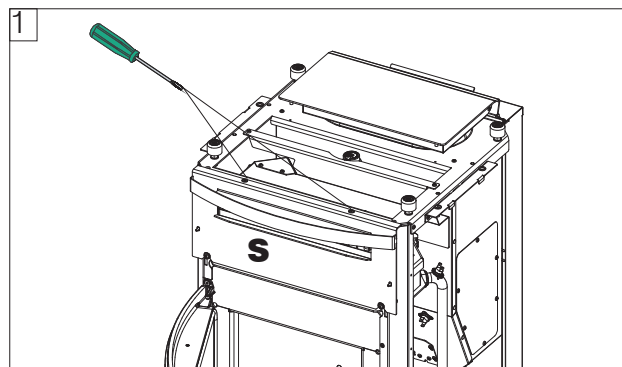
Do not force the screw into the pin, it may break

3. Screw the bottom metal front panel - **1** (with the bottom ceramic front panel already fitted) to the stove. You can adjust the position of the front panel horizontally to align it to the door, by moving the screws in the slots

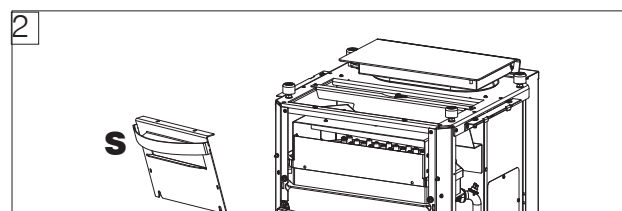


**Fitting of the top front panel (2)**

1. Undo the two upper screws.

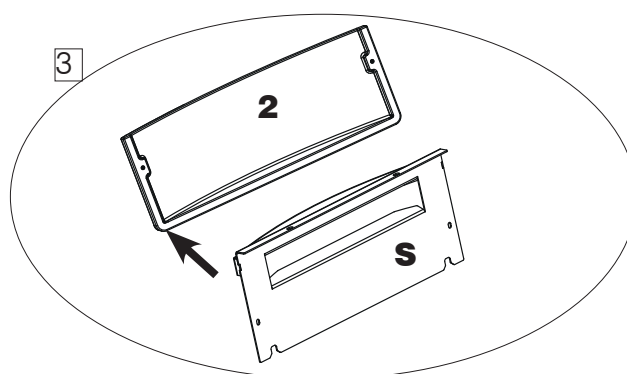


2. Remove the metal support (S).



3. Place the top ceramic front panel (2) on the metal support (S).

Fit the front panel (2) with the M4 screws provided with washers



4. Replace the support with the ceramic part and screw it back to the structure by using the two screws removed in point 1

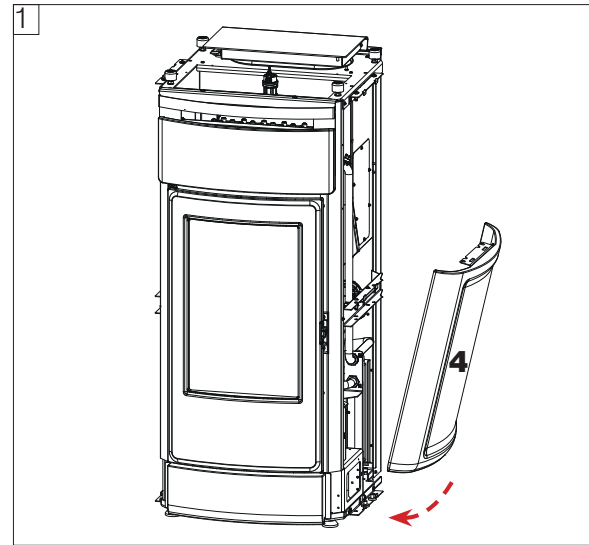
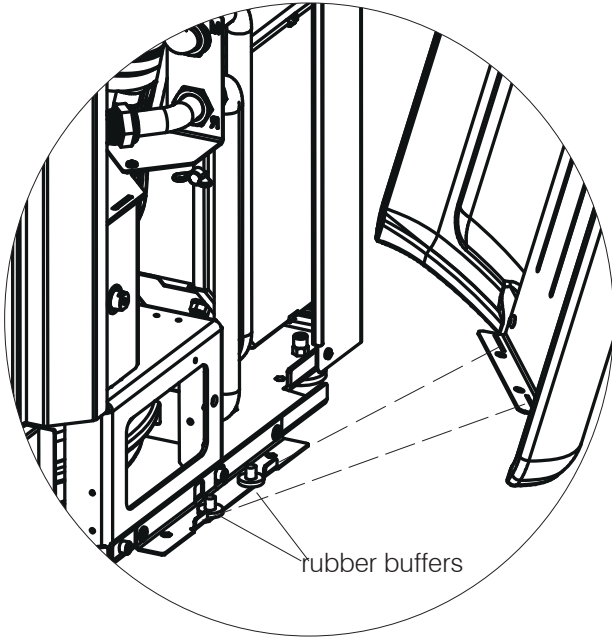
Close the combustion chamber door and check the alignments.

To make alignment adjustments between ceramic/stone and the door, you can use the top screws. Left/right adjustments can be made.

**Fitting the ceramic sides (3,4,5,6)**

The sides are hooked and screwed on top  
Start from the bottom ceramic part of one of the two sides.

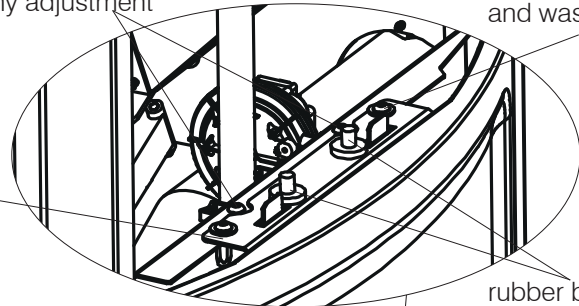
1. Place the rubber buffers and hook the bottom side ceramic part to the structure.



There are some other screws on the brackets that you can use for any adjustment

M5 screw and washer

M5 screw and washer



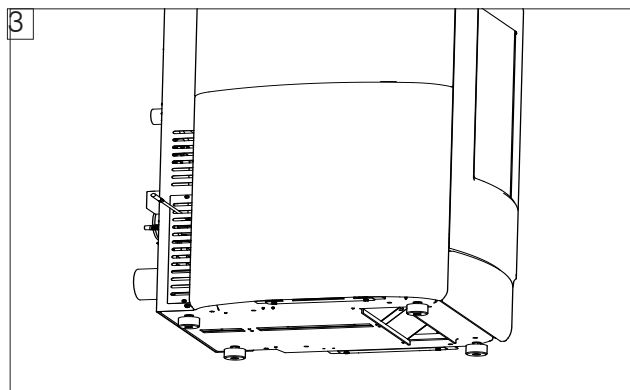
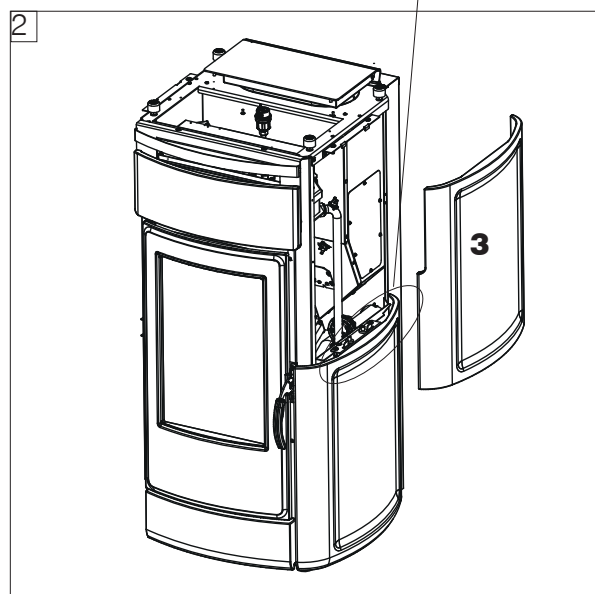
rubber buffers

2. Screw on the sides from above with the M5 screws and the washers provided

To make alignment adjustments between ceramic/stone and the door, you can move the top or bottom screws in their slots.

The top screws allow the alignment with the top.

The bottom screws allow the alignment with the front panel and with the bottom side panel. If the ceramic or stone side is not aligned, remove it, adjust the screws and put it back.



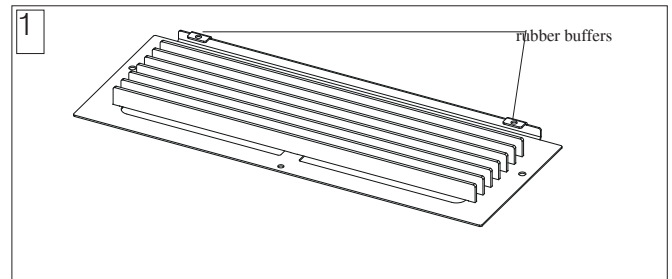
Take care that the side ceramic tile does not knock against the metal side when opening the door. If necessary adjust the setting the bottom screws.



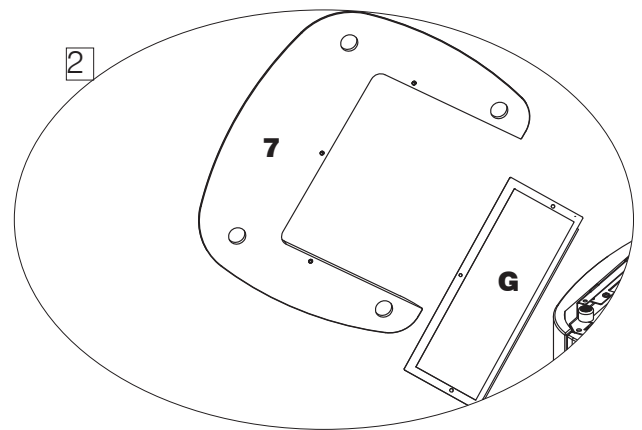
**Fitting the ceramic top (7)**

The top part of the lining consists of a grille (G) for the hot air output and the stone or ceramic top (4).

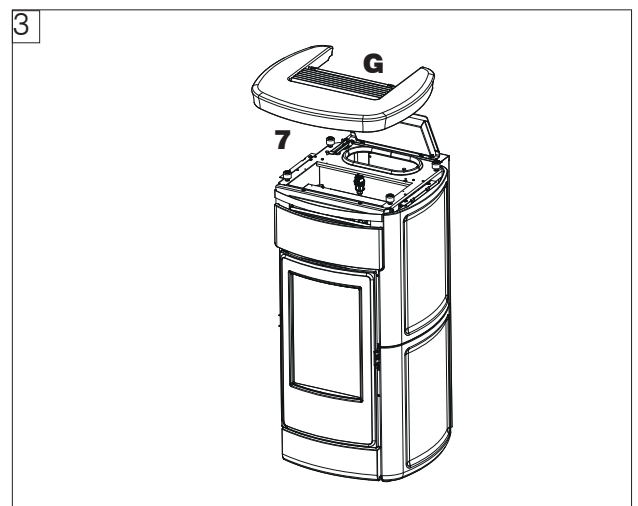
1. Fit the two rubber buffers provided on the top part of the grille. They can also be fitted after the grille has been matched with the top



2. Place the grille under the ceramic or stone part and fit it with the M4 screws provided

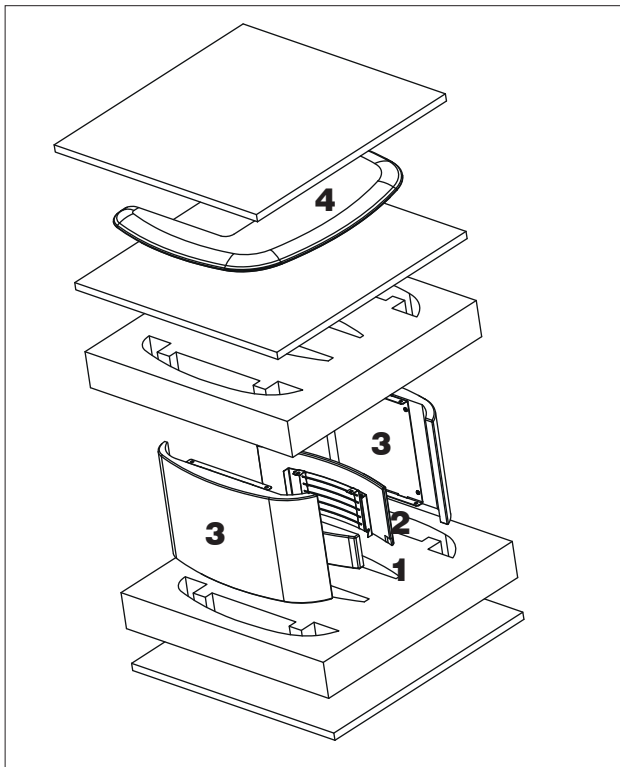


3. Open the lid of the pellet tank, place the grille and ceramic top (after screwing them together) onto the stove



Adjustments can be made by adjusting the feet supporting the top, or the screws under the sides, as shown in the fitting of the sides (with top and side removed)

| Description  | Reference in the Figure below | Quantity |
|--|-------------------------------|----------|
| Front panel above the door (ceramic or stone)          | <b>(1)</b>                    | 1        |
| Top front panel (ceramic or stone)                     | <b>(2)</b>                    | 1        |
| Left or right interchangeable sides (ceramic or stone) | <b>(3)</b>                    | 2        |
| Top (ceramic or stone)                                 | <b>(4)</b>                    | 1        |



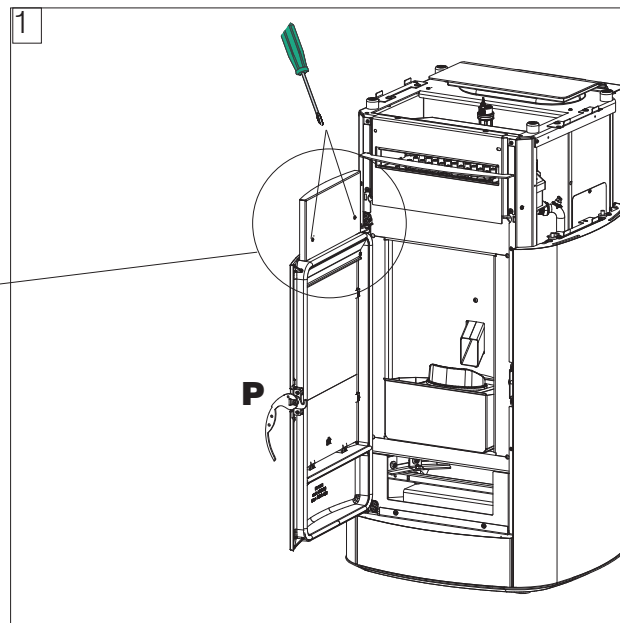
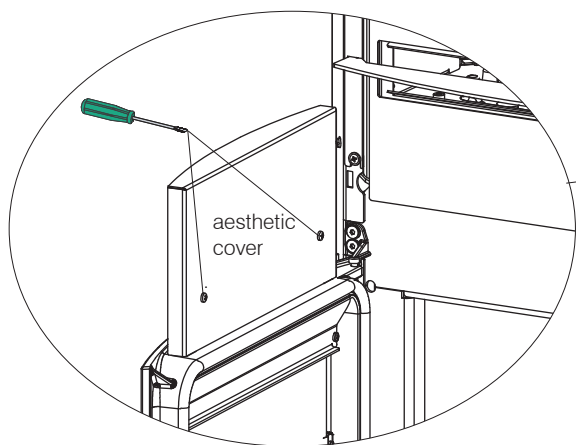
The metal grille of the top is in the stove structure package together with the M4 screws (and M6 for the stone top), the fitting washers and the two rubber buffers

\* Small parts to be used for Vyda H:

- M4 screws with washers for fixing the ceramic parts
- M6 screws for fixing the stone parts
- cable glands for the terminal board on the rear

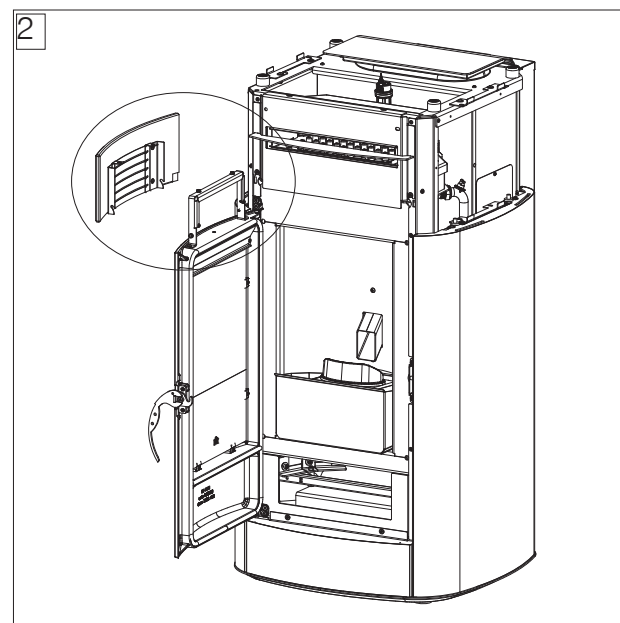
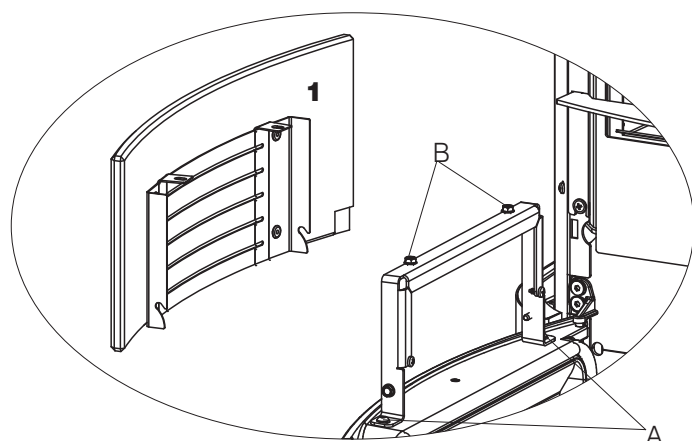
**Fitting of the stone or ceramic front panel above the door (1)**

1. Open the combustion chamber door with the protective lever (removable handle P) and undo two screws to remove "aesthetic cover".



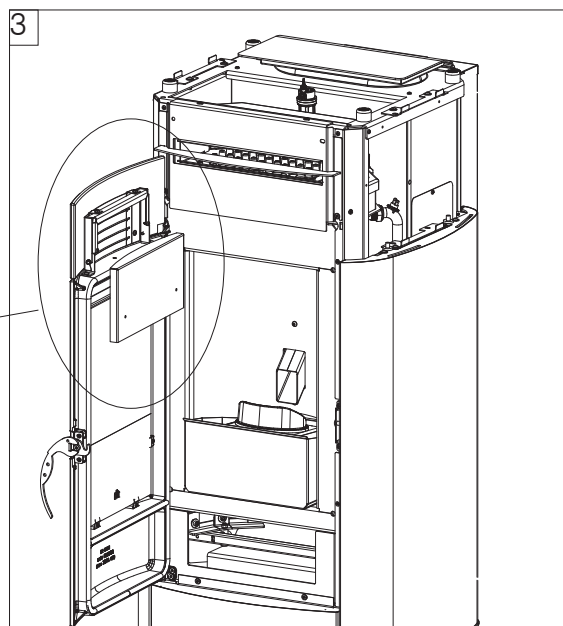
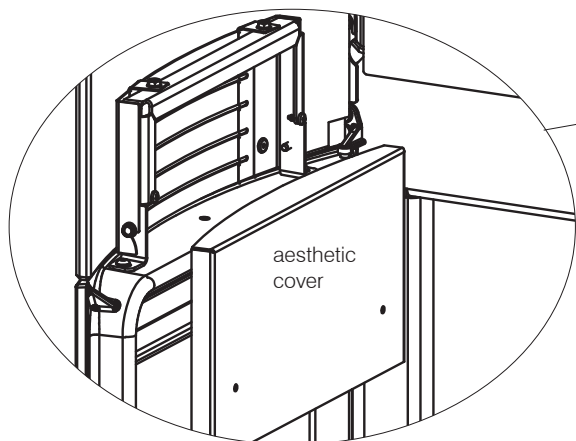
2. Unscrew the two upper screws, insert the ceramic or stone front panel (1) in the metal support above the door.

It is snapped into position on the side parts and screwed on the top part.

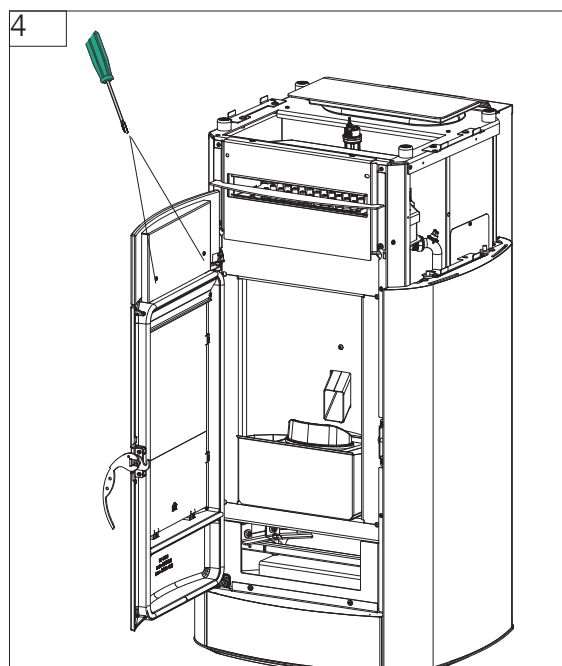


To make alignment adjustments between ceramic/stone and the door, you can use the screws A and B  
Screw A can be used to adjust "backwards/forwards"  
Screw B can be used to adjust the inclination

3. Refit the "aesthetic cover"

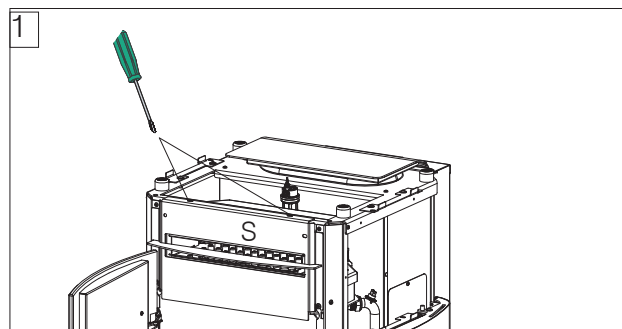


4. Screw it back with the two screws removed in point 1

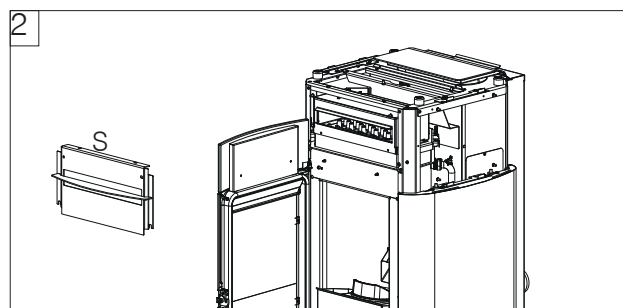


**Fitting of the stone or ceramic top front panel (2)**

1. undo the two upper screws



2. remove the metal support (S)



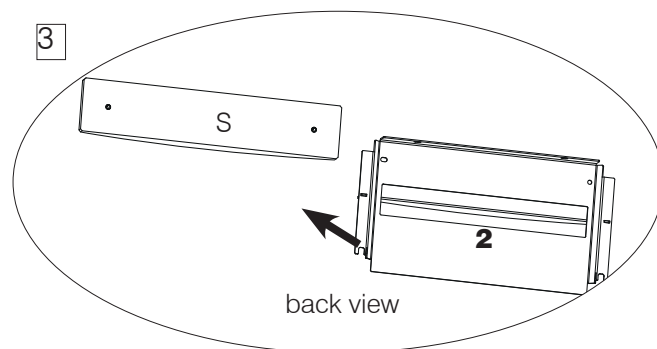
3. Place the top ceramic or stone front panel (2) on the metal support (S).

Fit the front panel (2) with the screws provided:

M4 with washers for the ceramic front panel;

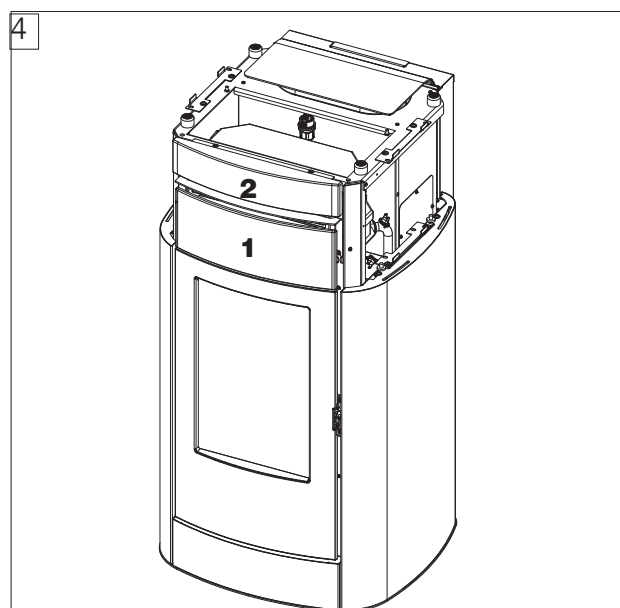
M6 for the stone front panel.

Adjustments can be made by using the screws behind the front panel (S).



Do not force the screw into the pin, it may break

4. Replace the support with the ceramic part and screw it back to the structure by using the two screws removed in point 1.



Close the combustion chamber door and check the alignments.

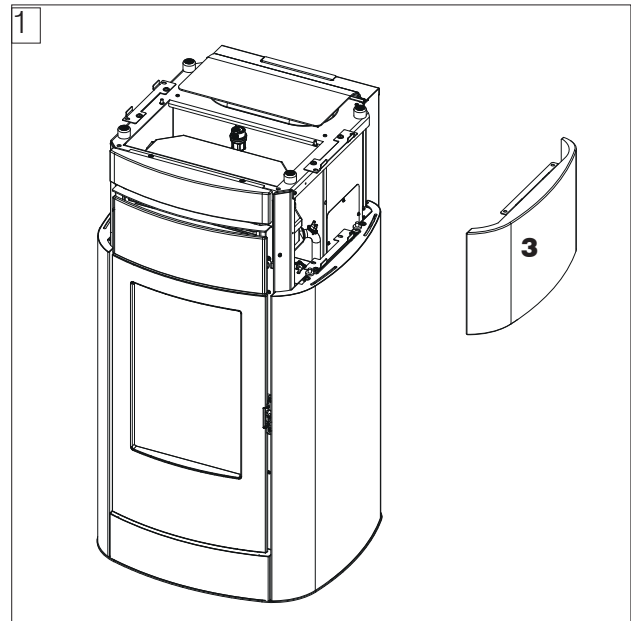
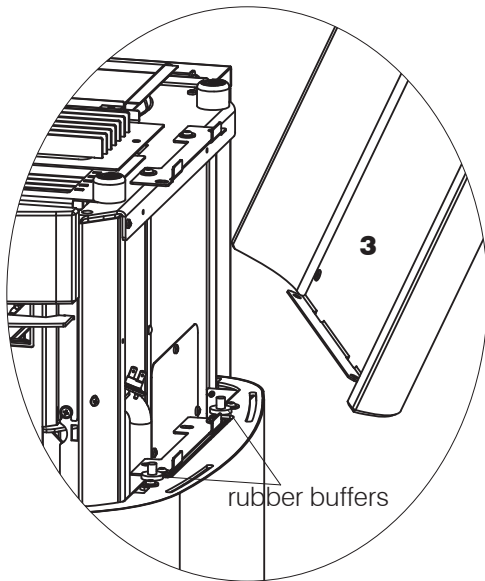
To make alignment adjustments between ceramic/stone and the door, you can use the top screws.

Left/right adjustments can be made.

**Fitting of the stone or ceramic sides (3)**

The sides (3) are only hooked on.

1. Place the rubber buffers and hook the sides to the structure



Note: see the diagram for correct installation of the ceramic tile

To make alignment adjustments between ceramic/stone and the door, you can move the top or bottom screws of the bracket fixed to the structure.

The top screws in their slots allow the alignment with the top.

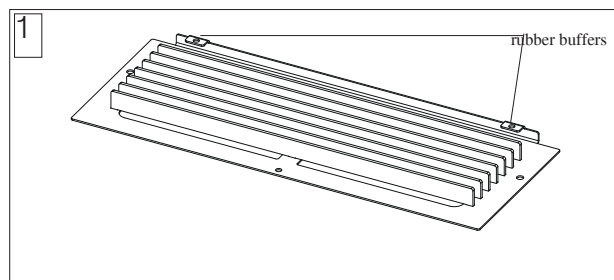
The bottom screws in their slots allow the alignment with the front panel and with the bottom side one.

If the ceramic or stone side is not aligned, remove it, adjust the screws and put it back.

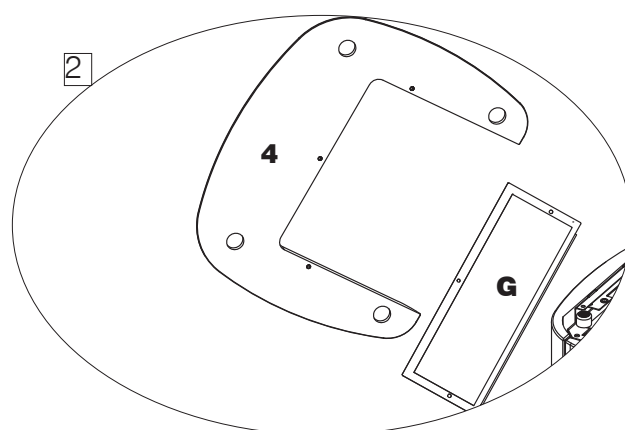
**Fitting of the stone or ceramic top (4)**

The top part of the lining consists of a grille (G) for the hot air output and the stone or ceramic top (4).

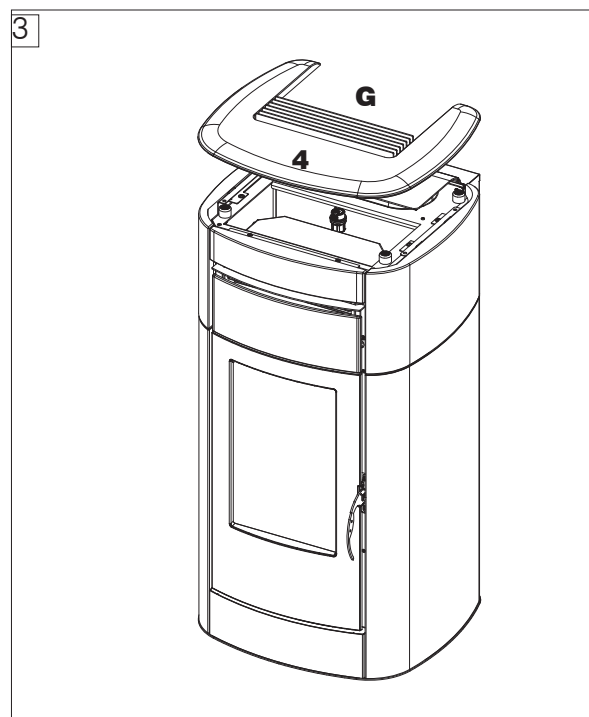
1. Fit the two rubber buffers provided on the top part of the grille. They can also be fitted after the grille has been matched with the top.



2. Place the grille under the ceramic or stone part and screw it (M6 screws for stone and M4 screws for ceramic).



3. Open the lid of the pellet tank, place the grille and ceramic top (after screwing them together) onto the stove.



Adjustments can be made by adjusting the feet supporting the top, or the screws under the sides, as shown in the fitting of the sides (with top and side removed).

**FIRST IGNITION (COMMISSIONING) PHASES**

- Make sure you have read and understood this manual.
- Remove all flammable materials from the appliance (manuals, labels, etc.). In particular remove any labels from the glass.
- Make sure that the technician performs the first ignition and the first loading of the pellet tank. Refer to the "Various Menus" chapter, paragraph "pellet loading".



On first ignition, there may be a slight smell of paint, which will disappear in a short time.

**FUEL**

Use UNI EN ISO 17225-2 category A1 wood pellets or similar regulatory products with the following characteristics.

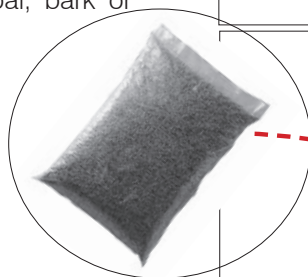
diameter 6 mm

length 3-4 cm

humidity <10 %

For reasons of safety and environmental compatibility, DO NOT burn plastic, painted wood, coal, bark or other such materials in the stove.

Do not use the stove as an incinerator.



Caution  
Using fuels other than those specified can damage the appliance



**VENT**

During normal operations the vent is automatic. The need for a manual vent for the system can only be assessed by the technician during commissioning.

**LOADING THE PELLETS INTO THE TANK.**

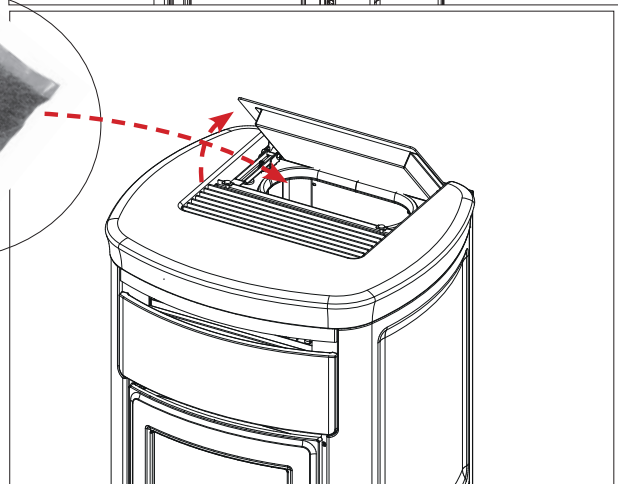
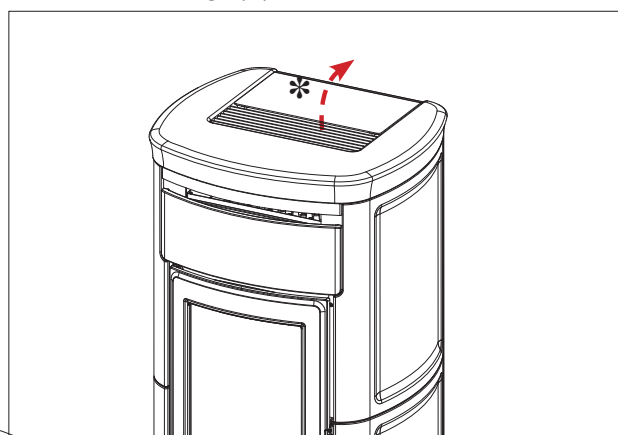
To access the tank, open the lid.



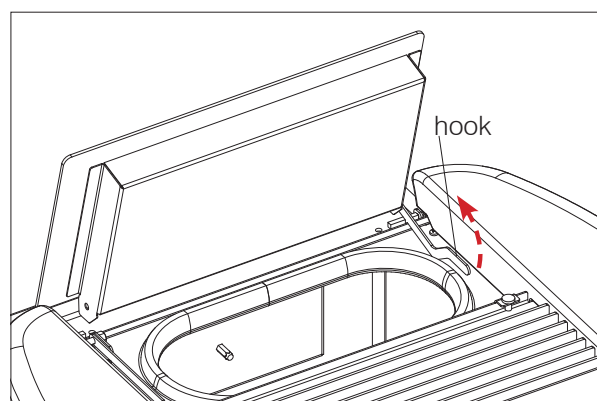
When the boiler stove is hot, DO NOT MAKE CONTACT between the pellet bag and the top grille.

Use the gloves when loading the stove while it is operating and hence hot to the touch.

Make sure not to touch the smoke discharge pipe if hot.



To close the lid of Kira H, unhook the hook as shown in the figure below.





**INTERFACE**

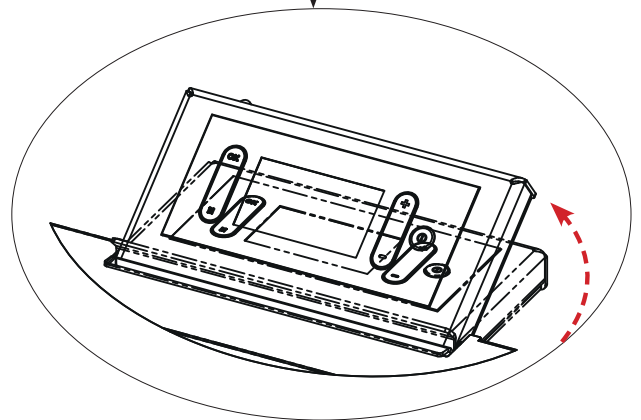
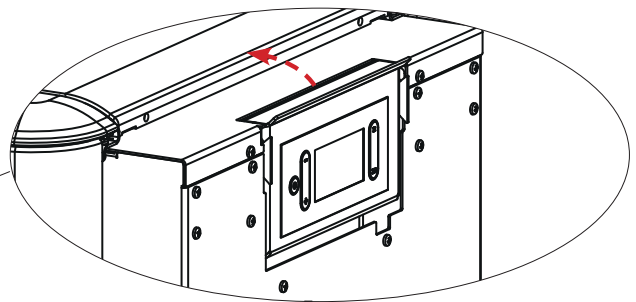
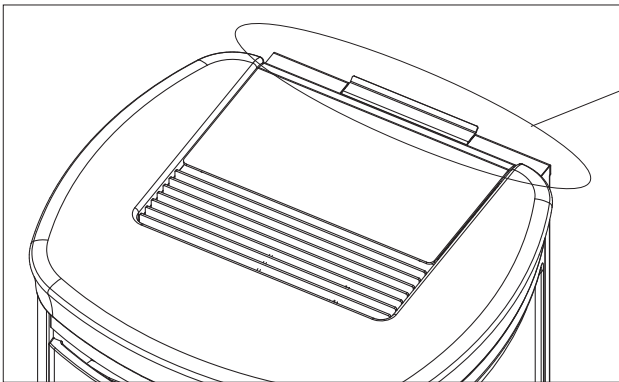
The product is provided with a pop-up panel on the top.

It can be opened by slightly rotating it.

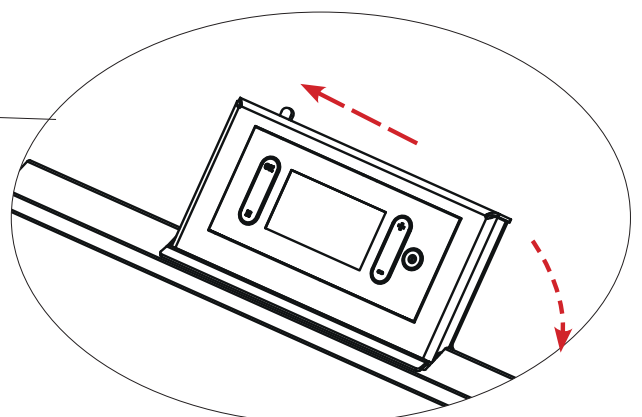
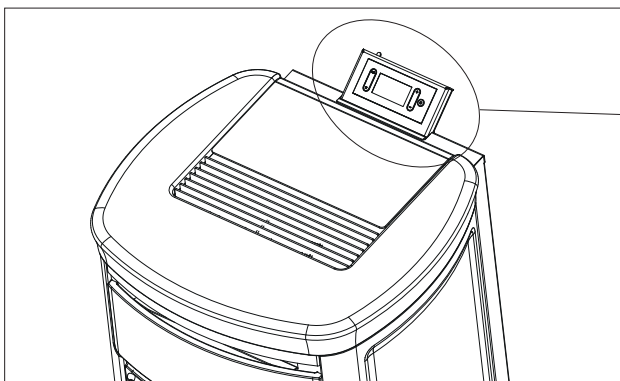
On the top left side of the panel there is a lever.

To close the panel, move the lever to the left, looking at the stove frontally, and rotate the panel backwards.

Panel with display open and recommended actions to open it



Panel with display closed and recommended actions to close it



**OPERATION**

| <b>Mode</b> | <b>Settable parameters</b>   |
|-------------|--|
| AUTOMATIC   | <ul style="list-style-type: none"> <li>• desired room temperature</li> <li>• ventilation level *</li> </ul>                              |
| CRONO       | <ul style="list-style-type: none"> <li>• desired room temperature, selected per day of the week</li> <li>• ventilation level*</li> </ul> |

The product also has the following supplementary functions.

| Function | Modes in which it can be activated | What it does  |
|----------|------------------------------------|---|
| Stand-By | automatic<br>crono                 | when the desired temperature is reached, the product switches off and then back on again when the temperature drops |



## INTERFACE

The product can be managed alternatively as follows

### STANDARD

- **DISPLAY**: useful for all functions, located on the product
- **The Mind APP** : useful for all functions at home with direct connection or outside the home with internet connection and registration

By purchasing the Edilkamin **optional elements**:

- **VOICE CONTROL SYSTEMS**: Alexa or Google Home

**OPTIONAL ELECTRICAL CONNECTIONS**

A terminal board is present on the product (accessible by removing the covering, with electricity off and only by qualified technicians).

DEPENDING ON THE TYPE OF SYSTEM, THE INSTALLER CAN CONNECT PROBES OR THERMOSTATS FOR THE ADJUSTMENT OF THE PRODUCT ACCORDING TO DIFFERENT SIZES.

In case of connection of probes or thermostats on the room inputs, the relevant parameters must be set in the Technical Menu of the appliance.



**We recommend, at the end of installation and commissioning, to check all the daily operations and useful documents with the technician.**

**NOTE:**

The connections must be made by qualified personnel, with the electricity disconnected.






More info for installers on the site.

The displays follow the functions at the same time and are described in the following paragraphs:



**- BUTTONS**

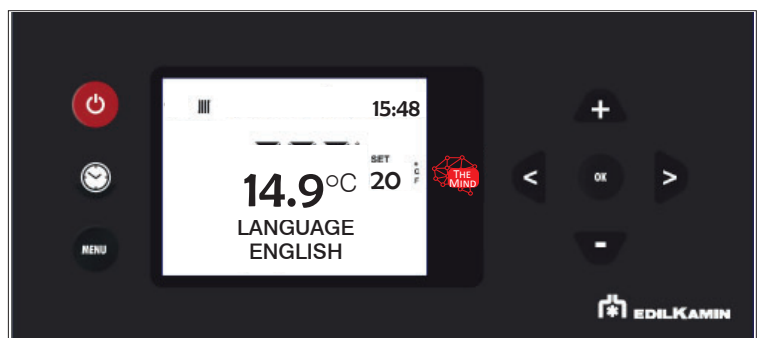
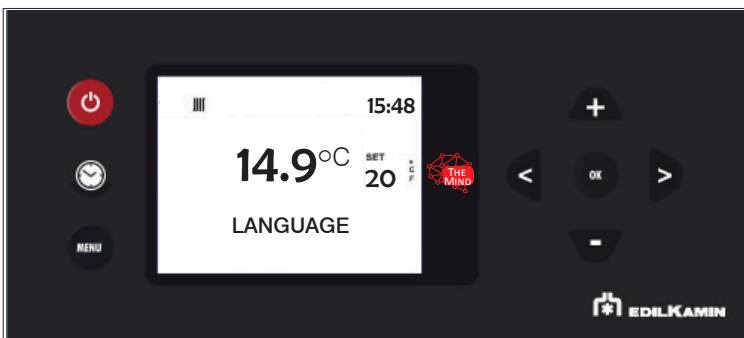
The display has 8 buttons:




-  **ON/OFF:** to go from the OFF status to the ON status. In the Menus, to confirm and return to the main screen.
-  **+/-:** to increase/decrease the set values or scroll the menu items
-  **M:** to access the Menu or to exit the Menu items without saving
-  **OK:** to confirm an operation (2 seconds) or to access a menu item
-  **<>:** to adjust the ventilation and move through the menus

**Energy saving of the display**

After 1' of inactivity of the display, the backlight turns off  
 After 3' of inactivity, the display turns off  
 To reactivate it, press any button

When first switched on, if the language was not set, the screen on the side for setting the language appears. Choose the language with the +/- buttons and confirm with OK.



Choose the language with the buttons  and  select it with button 

From the display it is possible to:

- **Switch from OFF to ON status, keeping the ON/OFF button pressed for a long time**
- **Set the room temperature desired, using buttons +/- (see below)**

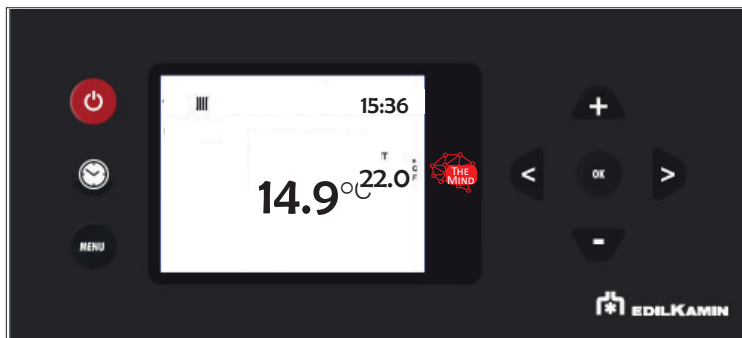


Switching on and off takes a few minutes, during which the flame must appear or go out. Let it happen without intervening. During ignition, the display shows the word "START".

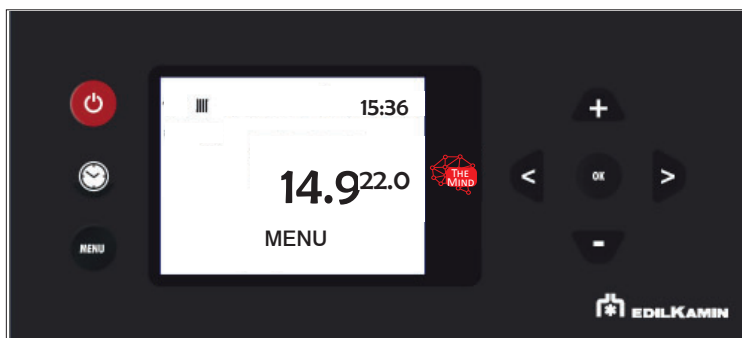
During shutdown, the display shows the word "OFF".

**- SIMPLIFIED USE after first start-up**

In the default configuration, after having powered up, press the ON/OFF button on the display to "activate" the product and adjust the desired room temperature with buttons +/- . The product will turn on, turn off and adjust the power automatically to ensure the desired temperature.





Press button  to access the Menu screen.





**- FAN ADJUSTMENT**

The setting can be made with the stove turned OFF or ON.  
If the backlight is switched off, it can be activated by pressing any button.

Then by pressing button  or  SET flashes and instead of environment Set, the indication of the number of fan in modification (F1) appears.






The fan speed can be increased or decreased with  or  in the following sequence:  
AUTO -1 -2 - 3 - 4 - 5

The setting is confirmed with button .

**- FAN STATUS DISPLAY**

If the product has not heated up, no symbol will appear.



- FAN OFF: 
- SPEED 1: 
- SPEED 2: 
- SPEED 3: 
- SPEED 4: 
- SPEED 5: 
- AUTOMATIC: 

**POSSIBLE STATUSES** of the product:

### - OFF STATUS

The product is “deactivated” and does not produce heat, following manual shutdown with ON/OFF of the radio control or with intervention from an external contact (crono, telephone dialler).

From the OFF screen, the ON screen can be accessed by pressing the ON/OFF button for 3 seconds.

### - ON STATUS

Situation in which the product is “active” and can satisfy the heat demands.

### - ALARM STATUS

In case of Alarm Block, the display shows the type of alarm. See the paragraph “Tips for possible problems”

### - ON/OFF STATUS Stand-By active

Situation in which the product is momentarily turned off because it has no heat demand.



With stand-by active, in the ON status the product switches on only when there is a heat request.

If the product was working, it goes to minimum power and waits for the set time before turning off.

If the product was in the ignition phase, it completes the ignition phase, goes to minimum power and waits for the set time before switching off.

If the product was OFF and is brought to ON, the stove immediately goes into stand-by, without turning it on.



**We recommend, at the end of installation and commissioning, to check all the daily operations and useful documents with the technician.**



**- MENU**

It can be accessed by pressing the  button and the first Menu item will appear.

You can scroll the menu items with the  and  buttons, and enter the item with the  button

The Menu items are as follows

- STAND-BY**
- PELLET LOAD**
- CRONO**
- TEMP. CRONO (T1-T2)**
- DATE-HOUR**
- LANGUAGE**
- DISPLAY**

others ONLY under the guidance of technician

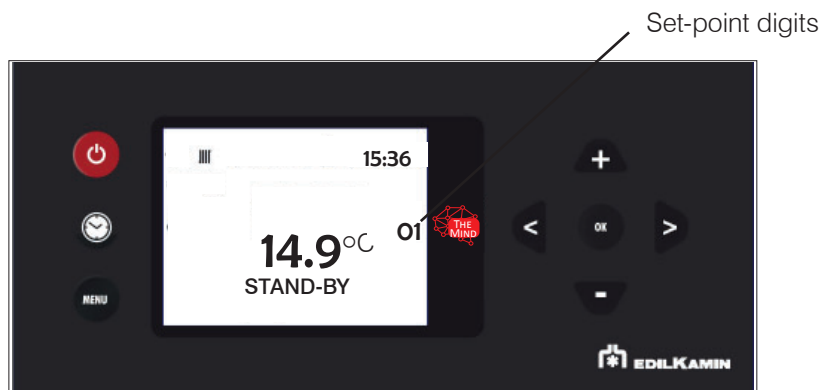
**NOTE**

Order and writing may vary slightly depending on the version



**We recommend, at the end of installation and commissioning, to check all the daily operations and useful documents with the technician.**

The set-point digits contain the progressive number of the menu item, while the status bar includes the description of the item



To exit the menu, press 

**- STAND-BY**

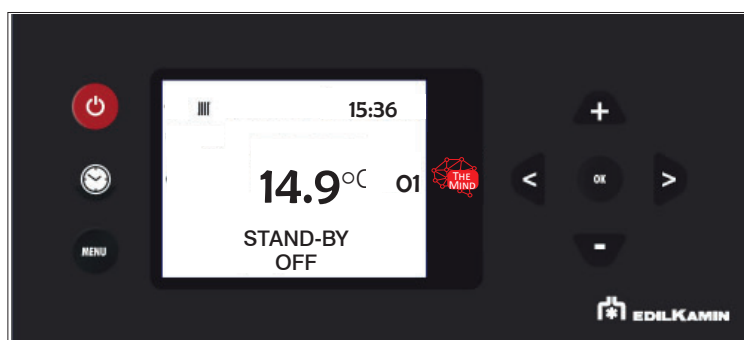
With the Stand-by function active, when the desired temperature is reached, the product switches off and switches on again when the room temperature drops below the desired one.




When the Stand-by function is not active, the product sets itself to minimum power when the temperature set-point is reached.


To access the function from the main menu (as indicated in the Menu paragraph above), press the  button

You can scroll the menu items with the  and  buttons, and enter the item with the  button

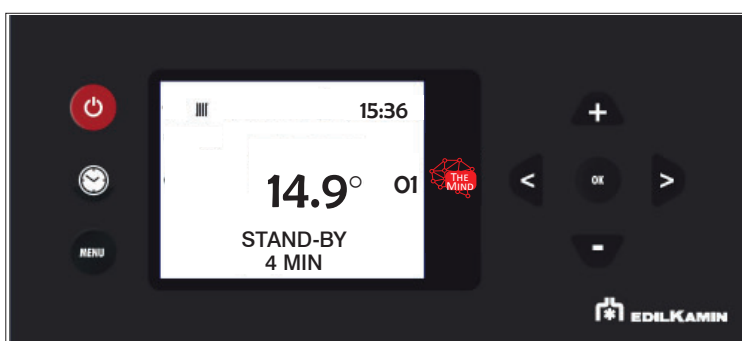
After entering the Stand-by function, the display will show the name of the function on the first line of the status bar and the current value (OFF if deactivated, ON if active).



The  and  buttons can be used to modify the value from Off (function deactivated) to On (activated) and the  button can be used to confirm.

Pressing the  button with the value ON activates the function and the display will propose to choose how many minutes must pass before the device switches off in stand-by mode.

(example 4 minutes)



The  and  buttons can be used to modify the time, and the  button to confirm

Pressing the  button automatically takes you to the first level.

**- PELLET LOADING**

Allows for loading the pellets once the screw feeder has emptied completely.

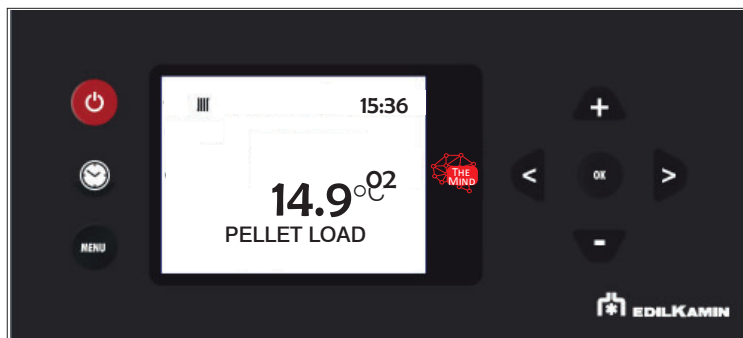
Useful for the technician during the initial start-up.





Available only in the OFF status. Any attempt to activate the function in other statuses will not be allowed.

To access the function from the main menu (as indicated in the Menu paragraph above), press the  button

You can scroll the menu items with the  and  buttons, and enter the item with the  button

After entering the Screw Feeder Manual Loading function, the display will show the name of the function on the first line of the status bar and the current value on the second line (OFF if deactivated, ON if active).



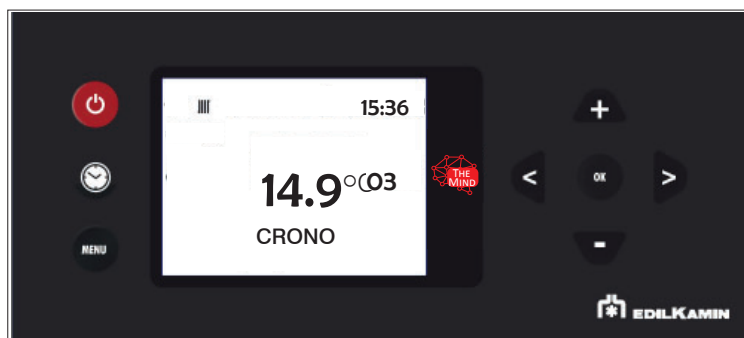
With buttons  and  the value can be changed from Off (deactivate) to On (activate) and vice versa and with button  and  it can be adjusted.

Pressing the  button automatically takes you to the first level.

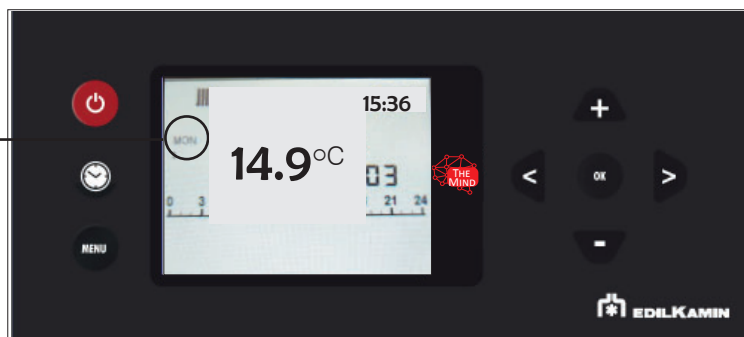
**- CRONO SETTING**

To access the function from the main menu (as indicated in the Menu paragraph above), press the  button

You can scroll the menu items with the  and  buttons, and enter the item with the  button

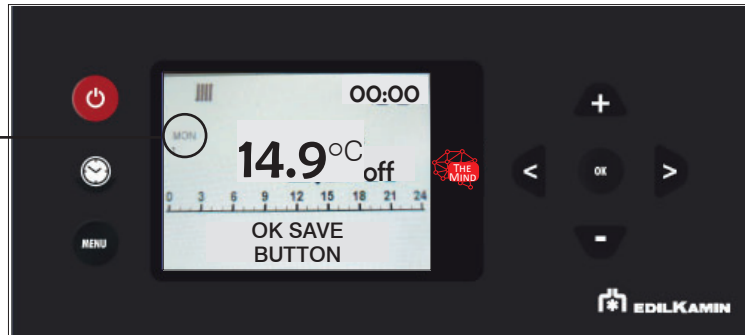


day of the week  
e.g. = MON = Monday



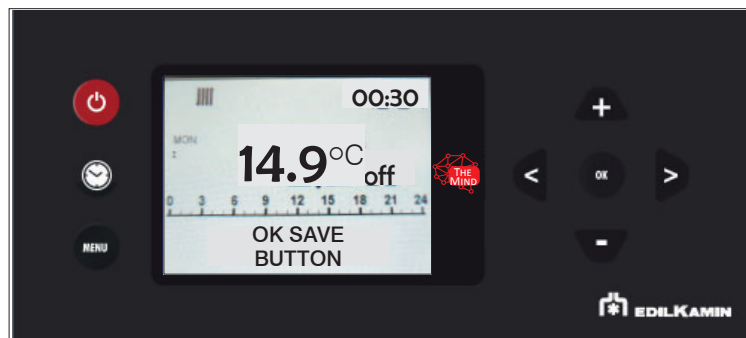
The day of the week is selected by scrolling with buttons **<** and **>** (at the same time the programming of that day is displayed) and confirmed with button **OK**.

day of the week  
e.g. = MON = Monday



The time at the top right displays the start of the time slot (00:00)

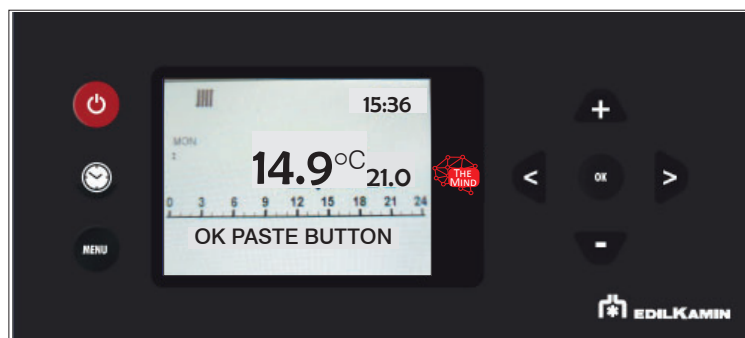
buttons **<** and **>** enable to scroll through the time in half an hour steps.



With buttons **+** and **-** the Temperature levels can be changed (OFF - T1 and T2).

After setting the entire day, confirm with the **OK** button

The COPY and PASTE function is available.



Briefly pressing the **MENU** button allows you to exit the programming mode, but the programme will not activate.

**- TEMP. CRONO SETTING TEMPERATURE FOR CRONO T1 – T2**

To access the function from the main menu (as indicated in the Menu paragraph above), press the  button

You can scroll the menu items with the  and  buttons, and enter the item with the  button

After entering the T1-T2 function, the display will show the name of the function on the first line of the status bar and the current value of T1 on the second line. T1 is the lowest temperature, T2 the highest.

Modify the values with the  and  buttons and confirm with the  button.



The button  switches to the setting of Set T2.

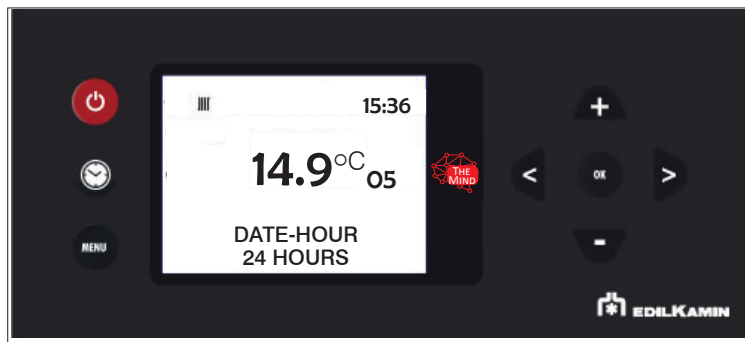
Pressing the  button automatically takes you to the first level.

**- DATE AND TIME**

Can be used to set the current date and time.

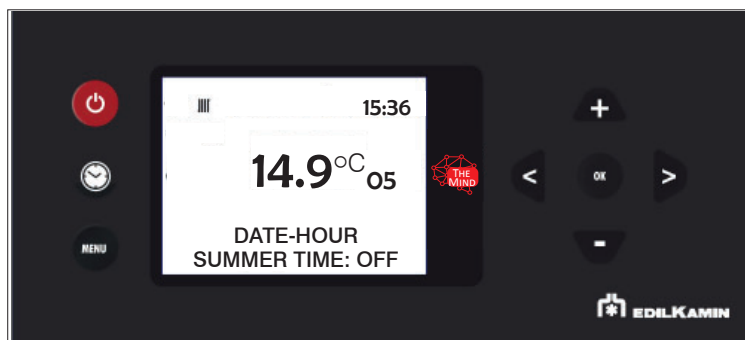
To access the function from the main menu (as indicated in the Menu paragraph above), press the **MENU** button

You can scroll the menu items with the **<** and **>** buttons, and enter the item with the **OK** button



After entering the Date-Time function, the display will show the name of the function on the first line of the status bar and the current value of the first setting (12/24 hours) on the second line.

You can switch from 12 to 24 hours using the **+** and **-** buttons and confirm with the **OK** button



Then the hours flash, which can be changed with buttons **+** AND **-** and they are confirmed with button **OK**

The minutes will then flash.

NOTE

Depending on the model there may be further options requested on the display with the interactive menu

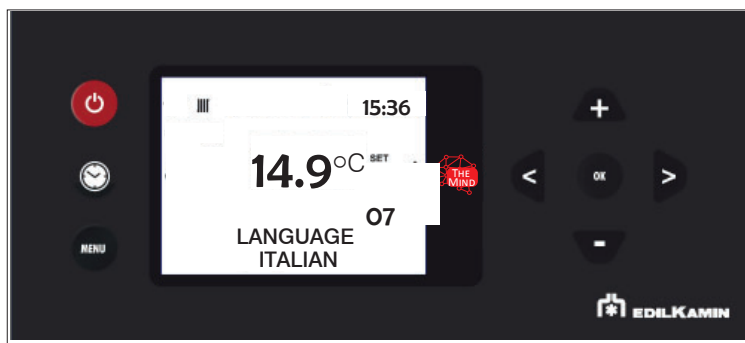
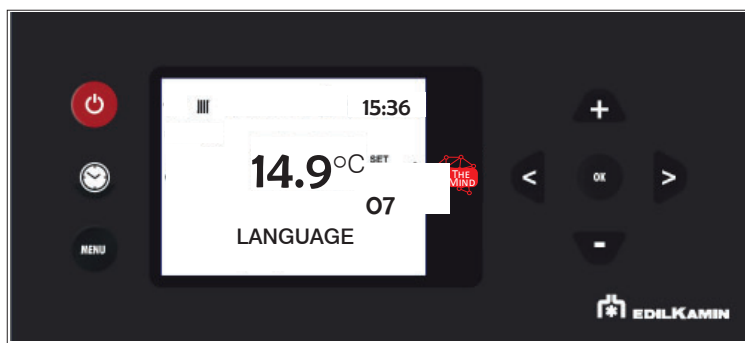
**- LANGUAGE SETTING**

Selects the language.

To access the function from the main menu (as indicated in the Menu paragraph above), press the  button

You can scroll the menu items with the  and  buttons, and enter the item with the  button

When entering the Language Menu item, the name in the status bar on the first line of the function and on the second the current value is displayed (ITALIAN)



The language can be changed with buttons  and  and you can exit with button .

Pressing the  button automatically takes you to the first level.

**The following functions must be taken into account only following indications from the technician. Therefore, we do not report the complete explanation in this document**



It can be accessed by pressing the  button and the first Menu item will appear.

You can scroll the menu items with the  and  buttons, and enter the item with the  button

### The Menu items are as follows

STAND-BY: described in the user manual  
PELLET LOAD: described in the user manual  
CRONO: described in the user manual  
TEMP. CRONO (T1-T2): described in the user manual  
DATA-ORA: described in the user manual  
LANGUAGE: described in the user manual  
DISPLAY  
INFO  
SOFTWARE  
DATA  
ALARMS  
PELLET FALL  
PELLET SENSOR  
TECHNICAL MENU  
SET TEMPERATURE  
AIRKARE

### NOTE

**Order and writing may vary slightly depending on the version**

### FOR THE INSTALLER

To access the function from the main menu (as indicated in the Menu paragraph above), press the  button

You can scroll the menu items with the  and  buttons, and enter the item with the  button

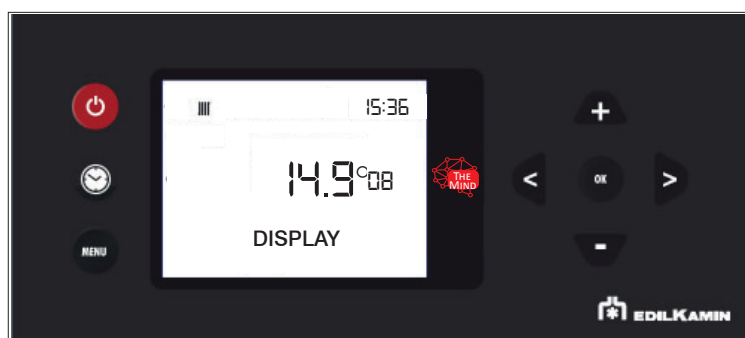
Pressing the  button automatically takes you to the first level.

Pressing the  button automatically takes you to the first level.

**THE INPUT METHOD IS THE SAME FOR ALL THE FUNCTIONS AND WE WILL NOT REPEAT IT IN THE FOLLOWING PAGES  
WE DESCRIBE BELOW ONLY THE FUNCTIONS NOT DESCRIBED IN THE USER PART**

### - DISPLAY

Allows for choosing the level of brightness of the display.



## - DISPLAY



Allows for choosing the level of brightness of the display.

## - INFO

These readings should only be done when requested by the technician.

The technician understands the diagnostic meaning of the messages and values, and may ask you to read them to him/her if you experience problems.

To access the function from the main menu (as indicated in the Menu paragraph above), press the  button.

You can scroll the menu items with the  and  buttons

Pressing the  button automatically takes you to the first level.

## - SOFTWARE

These readings should only be done when requested by the technician.

## - DATA

These readings should only be done when requested by the technician.

Scroll the information on the product HOURS operation history with buttons  and 

## - ALARMS

Readings to be made only under the guidance of a technician. Alarms are sorted from most recent to oldest.

- PELLET FALL **ONLY FOR THE TECHNICIAN**
- PELLET SENSOR **ONLY FOR THE TECHNICIAN**
- TECHNICAL MENU **ONLY FOR THE TECHNICIAN**
- SET TEMPERATURE **ONLY FOR THE TECHNICIAN**
- AIRKARE **ONLY FOR THE TECHNICIAN**

**The functions must be taken into account only following indications from the technician.**

**Therefore, we do not report the complete explanation in this document**



### NOTES

inappropriate changes can cause the product to seize up

The technician will be able to give you indications of any temperatures, parameters to be set according to the system

**- SOFTWARE**

Indicates:

- the firmware version of the electronic board (basic board)
- the firmware version of the control panel
- the database (associated by the Technical Assistance Centres with the products)

To be read only under the guidance of the Technical Assistance Centre



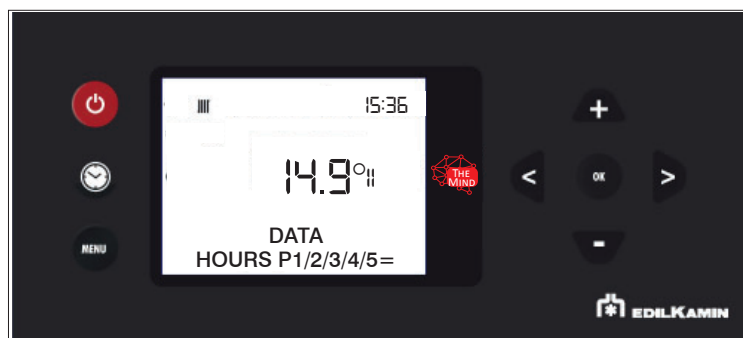
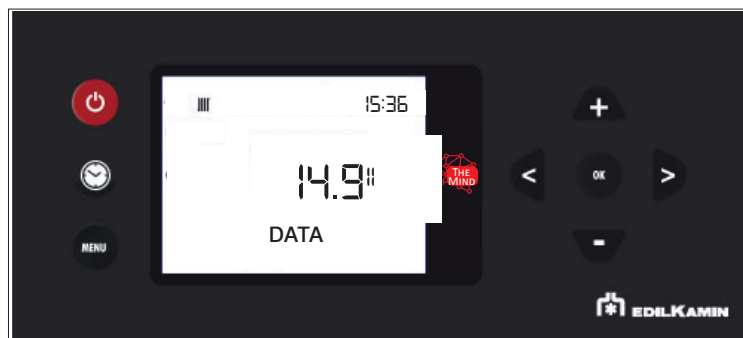
**- DATA**

The information on the operation history of the product can be scrolled with buttons



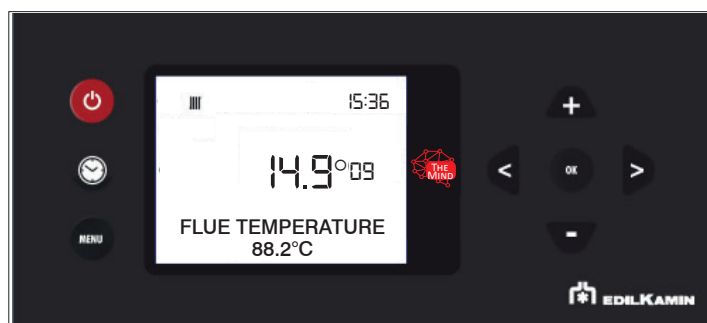
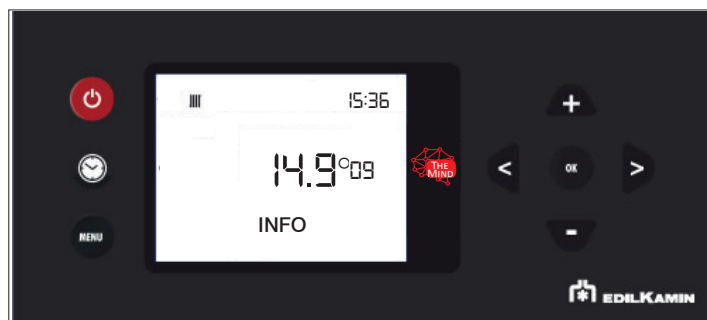
Indicates:

- IGN. No.: number of ignitions
- WORKING HOURS: total working hours
- HOURS P1/P2/P3/P4/P5: hours worked in the single powers



**- INFO**

They provide instant situation values



Below is a description of the items

**Flue temperature** indicates the value of the temperature read inside the product. To be read only under the guidance of the Technical Assistance Centre

**Auger motor**: indicates the speed set and read. Useful for understanding any anomaly in the motor that loads the pellets. To be read only under the guidance of the Technical Assistance Centre

**Extractor**: indicates the speed set and read. Useful for understanding any anomaly in the engine that creates depression in the combustion chamber. To be read only under the guidance of the Technical Assistance Centre

**Leonardo**: indicates the target value set and read. To be read only under the guidance of the Technical Assistance Centre

**Fan**: indicates the output voltage. To be read only under the guidance of the Technical Assistance Centre

**Ignition plug (spark plug)**: indicates whether the ignition component is on or off. Useful in the ignition phase to understand functionality.

**Home automation contact**: indicates whether ON or OFF. Useful for understanding functionality.

**Boiler temperature**: indicates the value of the water temperature read inside the product. It also appears on the first level display only if "No Input" is set in the Input Ambience parameter. ATTENTION that the room temperature will no longer appear. IN CASE, TO BE CLARIFIED TO THE END CLIENT.

To be read only under the guidance of the Technical Assistance Centre

**PWM pump** : indicates the output value of the primary circuit pump (of the kit if optional) To be read only under the guidance of the Technical Assistance Centre.

**3-way valve for heating** : indicates the functionality of the valve.

**Relaunch pump** : indicates whether the pump is ON or OFF.

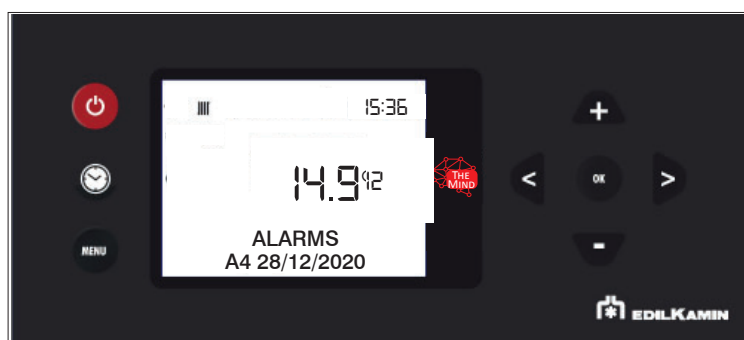
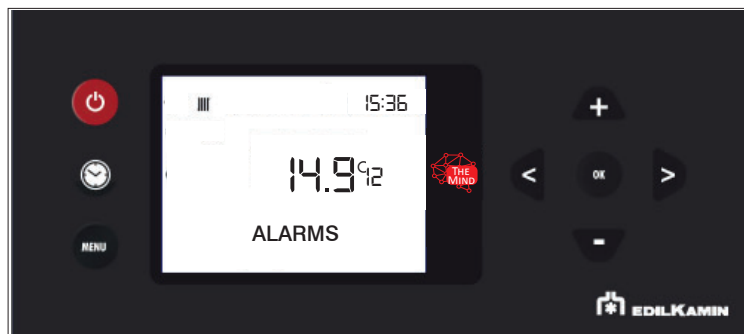
**AUX relay** : indicates if OPEN

**Radio signal**: indicates the signal strength in milliwatt decibels. Admissible values from 0 to -95dB

**- ALARMS**

These readings should only be done when requested by the technician.

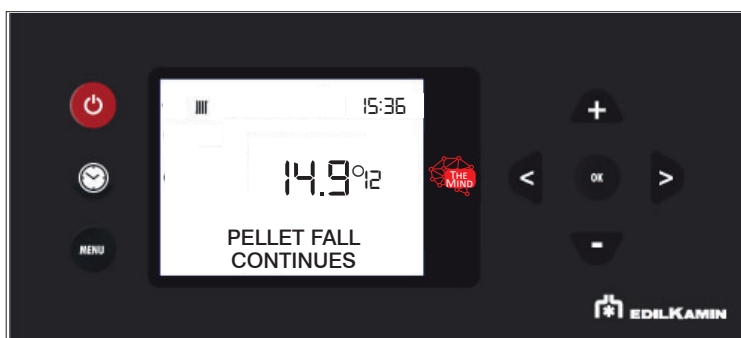
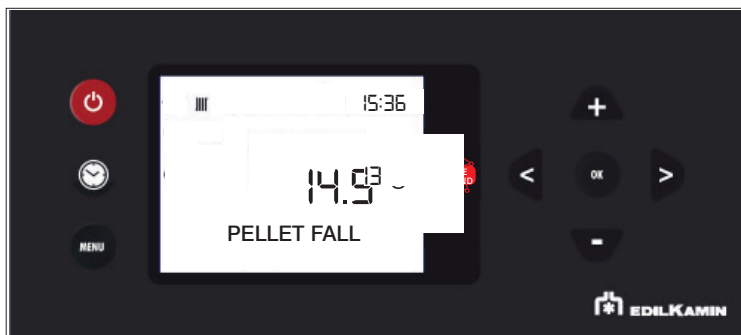
The alarms are arranged from the most recent to the oldest.



The meaning of the abbreviations is given in the user manual

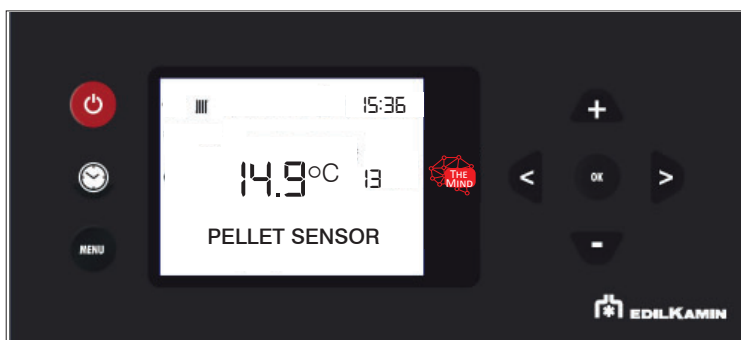
**- PELLET FALL**

Allows to set the gearmotor in continuous cycle or in steps. To be carried out only under the guidance of a technician.



**- PELLET SENSOR**

Allows to set the pellet level sensor ON or OFF.

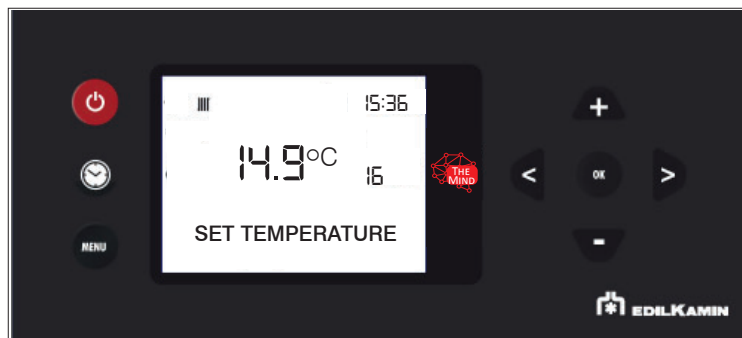


**IN ORDER OF SCROLLING IT IS FOUND AFTER THE TECHNICAL MENU**

**- “SET TEMPERATURE” o the display (Setting the water temperatures)**

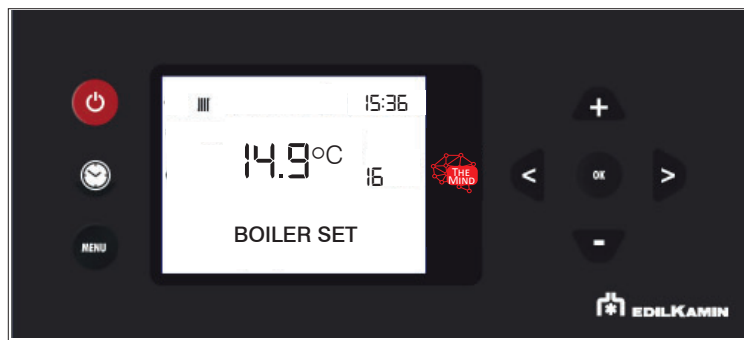
Allows the setting of the boiler temperature and possibly the storage temperature. If the external probe is activated, it allows the setting of the climatic curve instead of the boiler temperature.

**ADJ T AMB 1 is also adjusted (i.e. the correction of the ambient probe)**



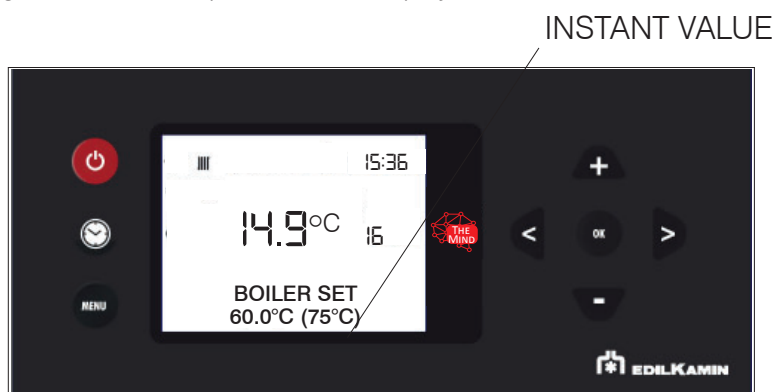
**BOILER SET example**

the product water temperature can be set (BOILER on display)




Depending on the configurations, the temperatures are displayed.

Example:



### - TECHNICIAN MENU (for TECHNICIANS ONLY)

Accessible only by a technician in possession of the correct password (1111) Once the password has been entered, it must be confirmed with a button 

- Flame type
- Pellet type
- Configuration
- Parameters



### NOTES

inappropriate changes can cause the product to seize up

### - FLAME TYPE (only for the TECHNICIAN)

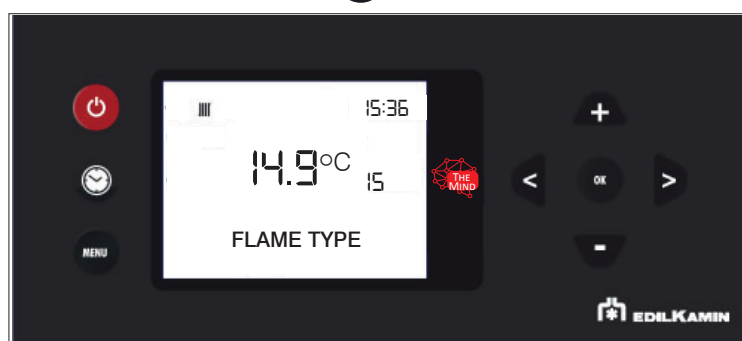
In correct installation conditions, with the Service Centre parameters appropriately adjusted, with quality pellets, the intensity of the flame is adjusted:


STANDARD

ECO

PLUS

You can enter the Flame Type setting using the  button



and with buttons  and  the correction value can be changed.

Pressing the  button automatically takes you to the first level.



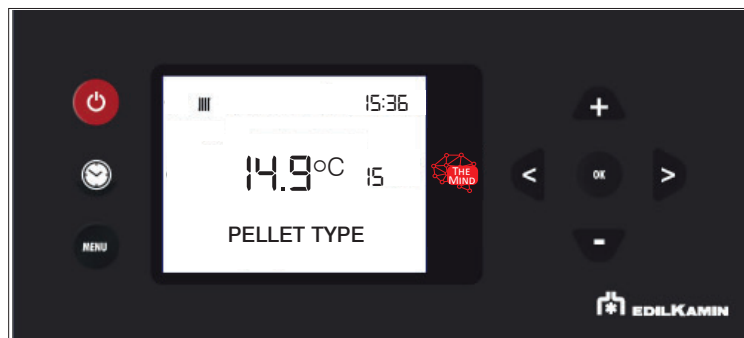
**- PELLET TYPE**


In correct installation conditions, with the Service Centre parameters appropriately adjusted, with quality pellets, the pellet load is adjusted



MEDIUM

HIGH

LOW



Enter the Pellet Type (%) setting with button 


and modify the value with buttons  and 

Pressing the  button automatically takes you to the first level.

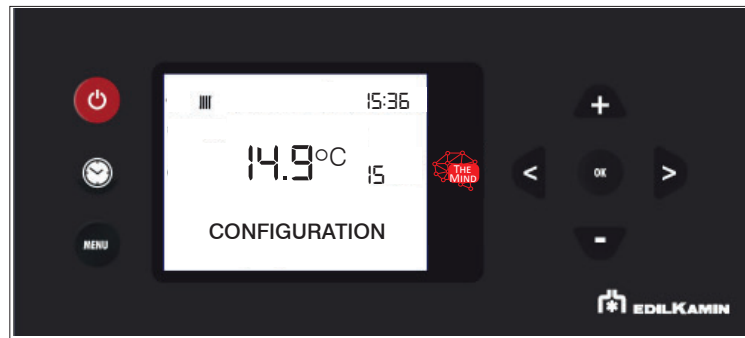
## - CONFIGURATION

Scroll through the Technician Menu items with buttons  and  to the "CONFIGURATION" item

It is possible to enter the "CONFIGURATION" setting with button 

and modify the value with buttons  and 

Pressing the  button automatically takes you to the first level.



The installer chooses one of the 4 configurations:

0 DIRECT HEATING (possibly with combined boiler)

1 HEATING WITH PUFFER (inertial storage)

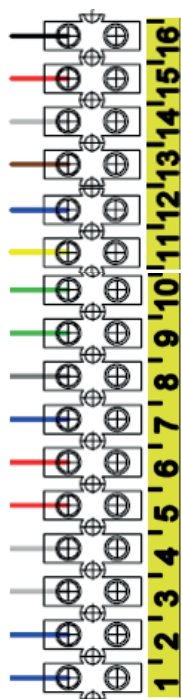
2 HEATING WITH SANITARY STORAGE (possibly with combined boiler)

3 HEATING WITH PUFFER (inertial storage) AND BOILER (storage of domestic hot water)

**TO BETTER UNDERSTAND THE ABOVE FOLLOWING PAGES ON TERMINAL BLOCK AND SYSTEMS**

To manage the various types of systems, connect the probes to the terminal board, as needed.

**TERMINAL BOARD MAIN OUTLINE**



- 15-16 CYLINDER PROBE (Optional NTC 10K ) or THERMOSTAT (Optional)
- 13-14 DOMOTIC CONTACT (Input)
- 11-12 ROOM PROBE (Supplied) or ROOM THERMOSTAT (Optional)
- 9-10 BUFFER PROBE (Optional NTC 10K) - BUFFER THERMOSTAT (Optional)
- 7-8 BUFFER-CYLINDER DOUBLE PROBE (Optional NTC 10K probe)
- 4-5-6 AUX CONTACT - Output, aux boiler room thermostat or 3-way valve (COM = Common - NC = Normally Closed - NO = Normally Open).
- 1-2-3 SECONDARY PUMP POWER SUPPLY (Earth / Neutral / Phase)

**HOME AUTOMATION CONTACT 13-14**

For all types of systems:

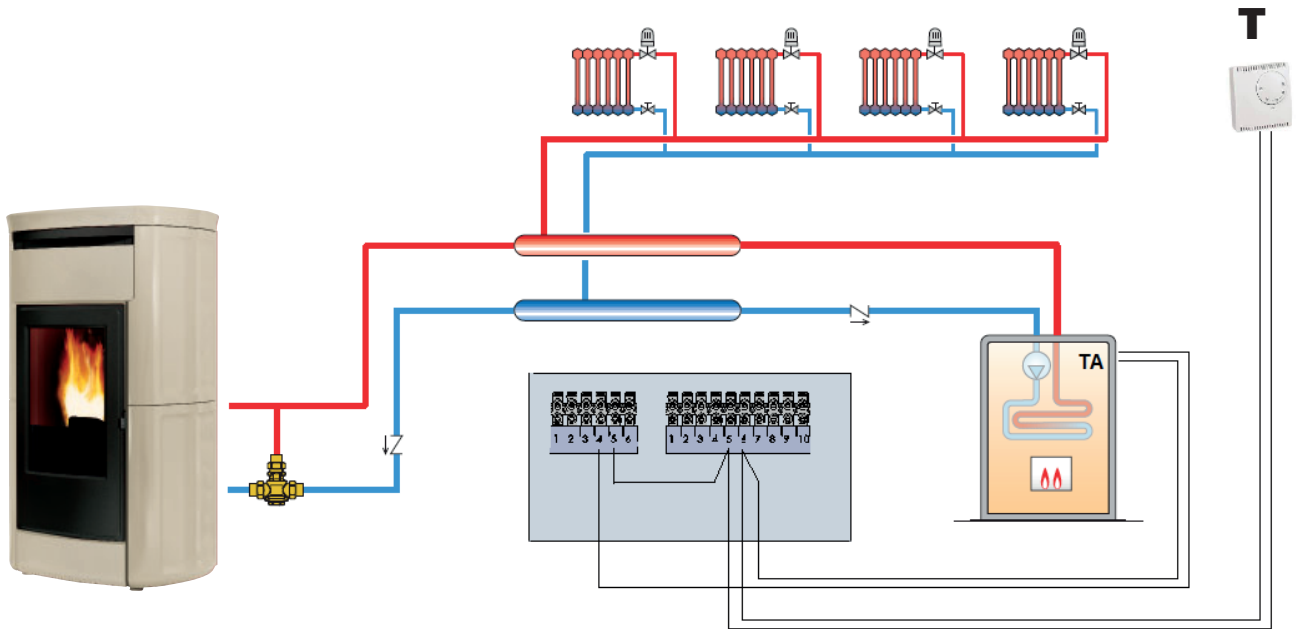
HEATING - KETTLE - PUFFER - PUFF / TUB

it is possible to connect a remote control with clean contact (closed on request, open not on request).

This contact has the same function as the on / off button on the display.

Following the closure of the contact, however, the thermo stove will follow its objective defined by the selected system and the functions associated with it, as happens when the power button on the display is pressed.

There are 4 pre-set configurations as shown below.

**DIRECT HEATING (possibly with combined boiler)****IT IS the "O" configuration in the parameters.**

**The product modulates depending on the water temperature and turns on/off according to the ambient temperature (probe or thermostat T) or, at the choice of the installer, according to the water temperature.**

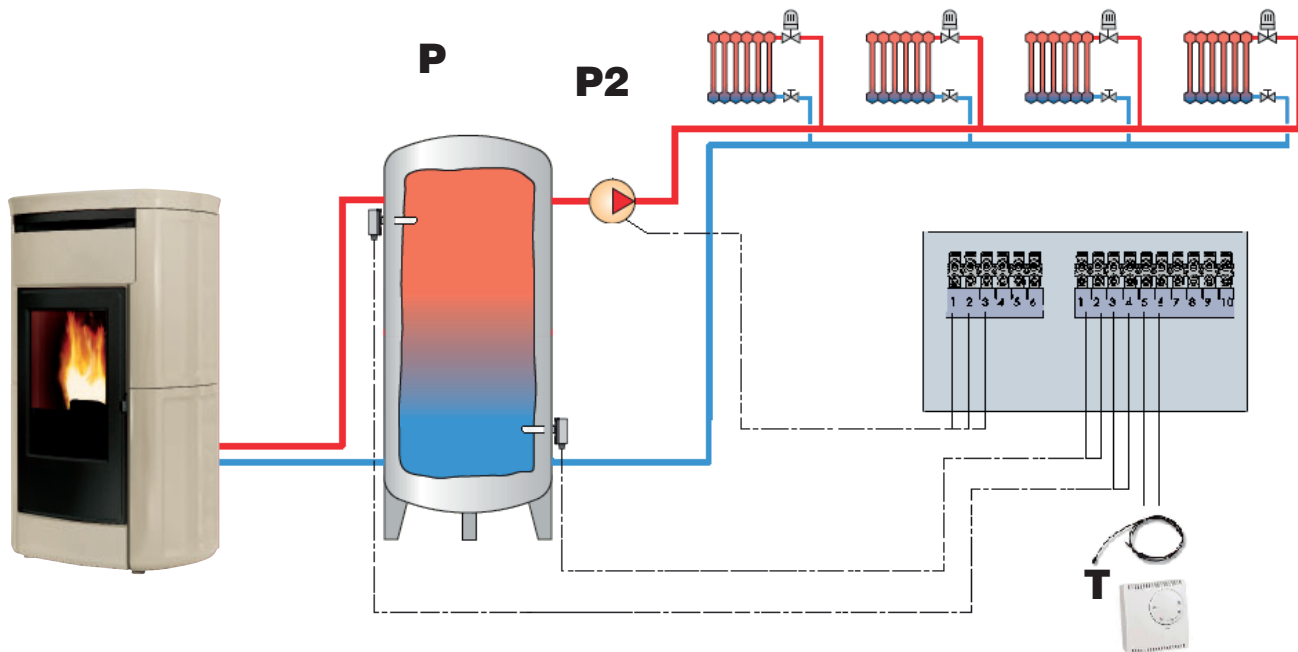
## NOTE:

PURELY INDICATIVE DIAGRAMS.

THEY DO NOT REPLACE THE LEGAL OBLIGATIONS IN ANY WAY AS REGARDS THE DRAFTING OF ANY PROJECT.  
ALL LOCAL AND NATIONAL REGULATIONS MUST BE COMPLIED WITH

**HEATING WITH PUFFER (inertial storage)**

**IT IS the "1" configuration in the parameters.**



**The product modulates according to the water temperature and turns on / off according to the PUFFER temperature (P).**

**The ambient temperature of the thermostat (T) or of the probe controls the secondary circuit pump (P2)**

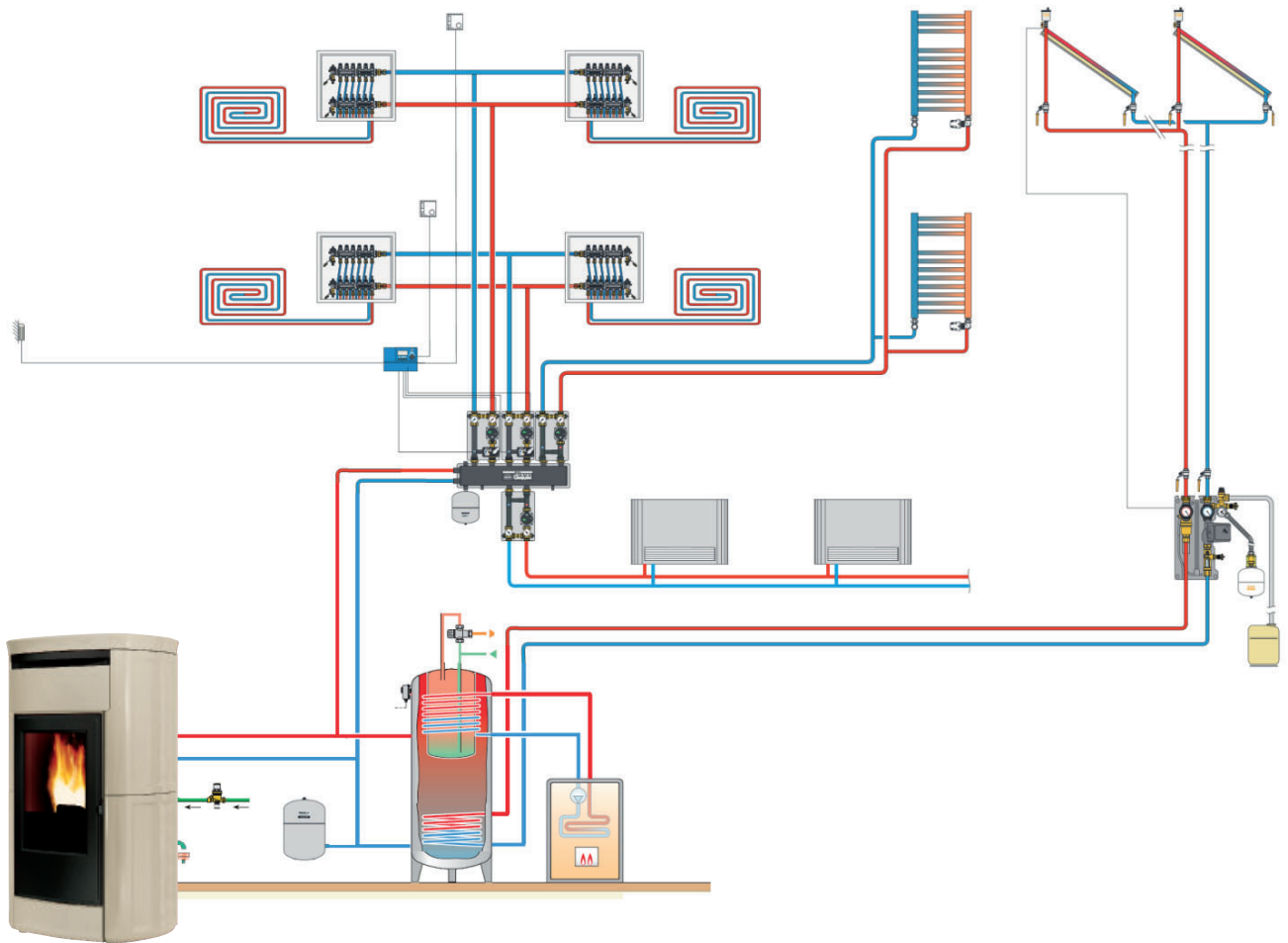
## NOTE:

PURELY INDICATIVE DIAGRAMS.

THEY DO NOT REPLACE THE LEGAL OBLIGATIONS IN ANY WAY AS REGARDS THE DRAFTING OF ANY PROJECT.

ALL LOCAL AND NATIONAL REGULATIONS MUST BE COMPLIED WITH

In addition to the pre-set configurations, the product can be installed on integrated systems (example below) with probes and thermostats.



NOTE:

PURELY INDICATIVE DIAGRAMS.

THEY DO NOT REPLACE THE LEGAL OBLIGATIONS IN ANY WAY AS REGARDS THE DRAFTING OF ANY PROJECT.  
ALL LOCAL AND NATIONAL REGULATIONS MUST BE COMPLIED WITH

**DAILY MAINTENANCE**

These jobs should be done with the product off, cold and preferably disconnected from the mains.  
A suitable vacuum cleaner is required.



**Disconnect the product from the power supply.**  
**Failure to service the product properly will prevent it from working properly.**  
**Any problems due to failure in servicing the stove will void the warranty.**



**Make sure that the grate is properly placed in its housing after maintenance operations, if not, the stove may have ignition problems**



**Using the stove without cleaning the grate can cause the gas in the combustion chamber to ignite and detonate.**



**Once it is refitted, make sure that the ash tray is properly placed in its housing, to avoid glass breakage when closing.**



**Please check with the technician to have wenn understood how the product works**

**Disconnect the product from the power supply.  
Failure to service the product properly will prevent it from working properly.  
Any problems due to failure in servicing the stove will void the warranty.**

Do not dump the cleaning residue into the pellet tank.

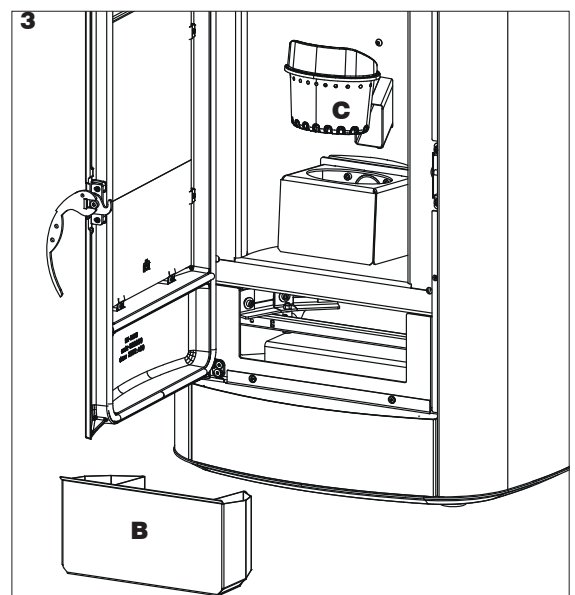
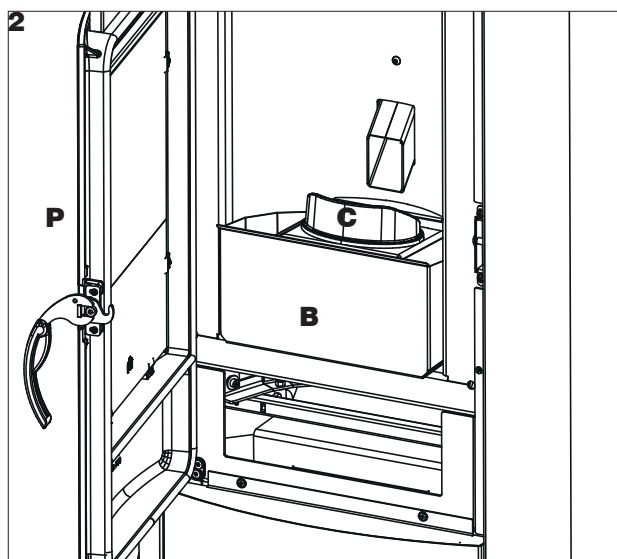
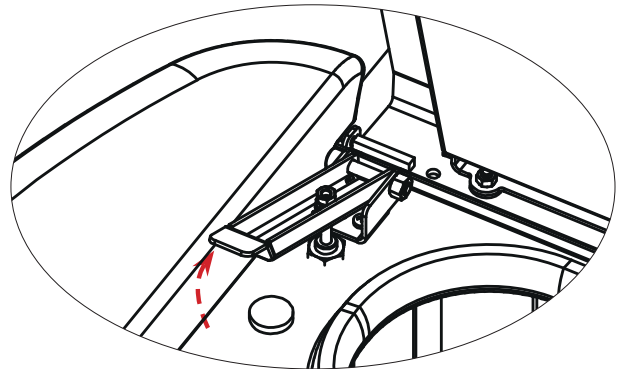
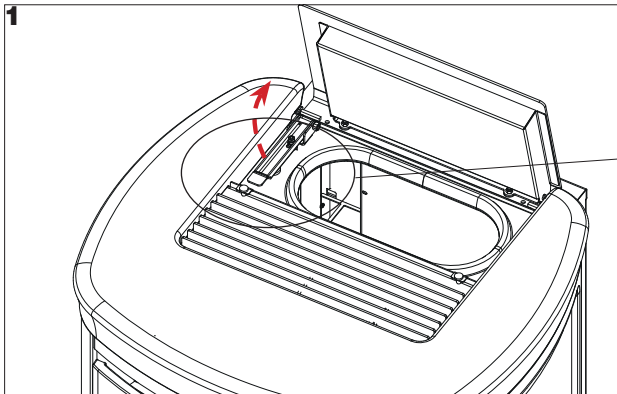
Once it is refitted, make sure that the ash tray is properly placed in its housing, to avoid glass breakage when closing. Make sure that the grate is properly placed in its housing after maintenance operations, if not, the stove may have ignition problems.



**Using the stove without cleaning the grate can cause the gas in the combustion chamber to ignite and detonate.**

**DAILY MAINTENANCE**

1. Activate the cleaning brushes under the lid of the pellet load.
2. Open the combustion chamber door (P) using the protective lever (removable handle)
3. Empty the ash tray (B) and the grate (C) into a non-flammable container (the ashes may still contain embers and/or hot parts, or clean using a vacuum cleaner if cold. Vacuum out the interior of the fireplace, the bed, and the compartment around the grate into which the ash falls.
4. Scrape the grate and clean out any obstructed holes.
5. Clean the glass (when cold) if necessary, by using a suitable product (such as Glasskamin) available at the retailer.





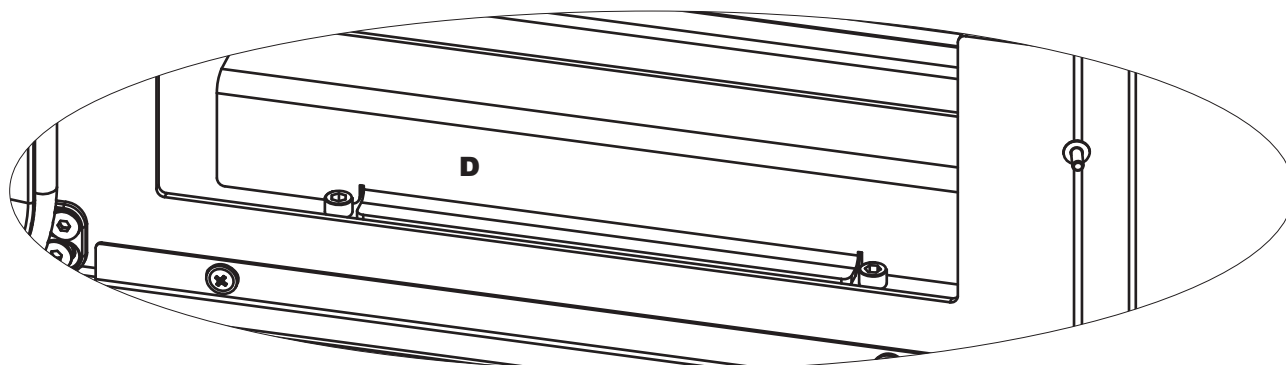
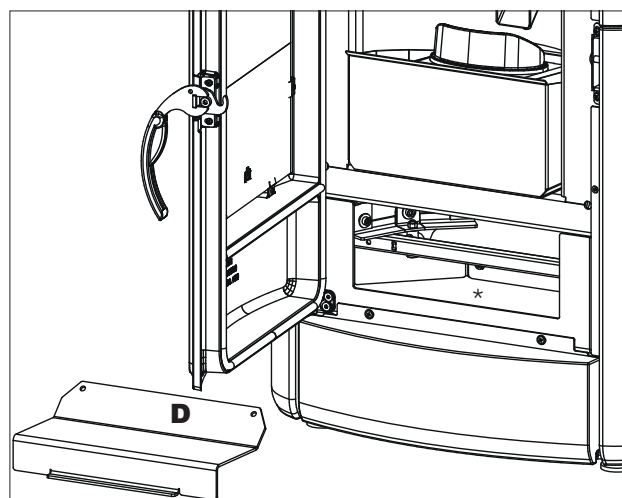
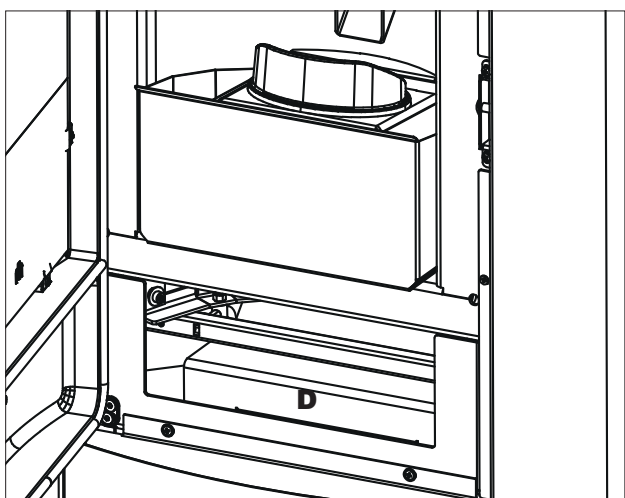
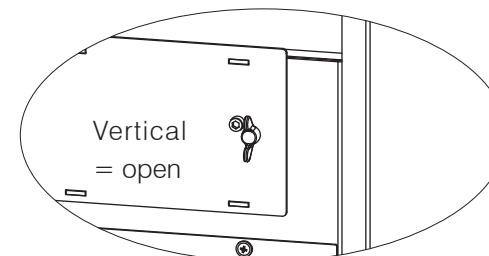
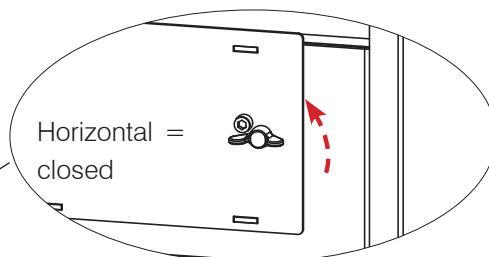
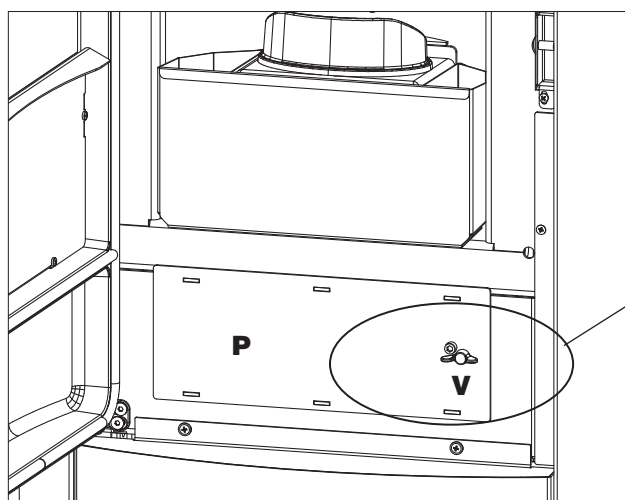
**WEEKLY MAINTENANCE**

When the product is off and cold, after having activated the cleaning brush as in routine maintenance, you should vacuum the inspection plate under the combustion chamber (\*)

To do so:

- Remove the protection, by turning the wingnut (V)
- remove the deflector (D) which is only resting on it.

Put back the deflector after cleaning.



Make sure you have correctly repositioned the deflector after cleaning, it should be properly horizontal and inside the two screws. Reposition the deflector after vacuuming.

**SEASONAL MAINTENANCE**

**(to be carried out by the technical assistance centre)**

This consists of cleaning the stove inside and out. Seasonal maintenance should be performed by a qualified technician in accordance with the national and local regulations.

**If the product is used intensively, it is recommended to clean the smoke duct and passage every 3 months.**

You should clean the chimney system at least once a year (check local regulations for details).

If you fail to regularly clean and inspect the system, there is an increased risk of the chimney pot catching fire.

We recommend against using compressed air to clean the combustion air inlet.

**REPAIRS**

To be performed only by Edilkamin technical assistance centres/authorised distributors. The names of Edilkamin official authorised technical assistance centres (TAC) and distributors are available ONLY at [www.edilkamin.com](http://www.edilkamin.com).

**SUMMER SHUTDOWN**

When the product is not used for prolonged periods, keep all its doors, hatches and covers closed. We recommend emptying out the pellet tank. Insert dehumidifying salts in the combustion chamber. In particularly humid zones, it may be helpful to disconnect the air intake and fume coupling, and add into the combustion chamber a suitable product for absorbing moisture (e.g. bags of dehydrating salts, anti-oxidant tablets).

**SPARE PARTS**

- If any spare parts are required, contact your dealer or technician.
- Have any repairs carried out only by Edilkamin technical assistance centres/authorised dealers.
- The names of Edilkamin official authorised technical assistance centres (TAC) and distributors are available ONLY at [www.edilkamin.com](http://www.edilkamin.com).
- Using non-original spare parts may damage the appliance and relieves Edilkamin of all liability for any resulting damages. It also invalidates the warranty on the grounds of tampering.
- Any unauthorised modifications are forbidden.

**DISPOSAL**

At the end of its service life, dispose of the product as required by regulations.



Seasonal maintenance should be performed by a qualified technician in accordance with the national and local regulations.



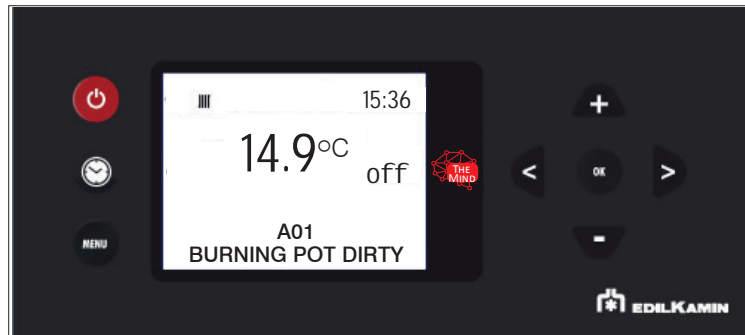
In accordance with Art. 26 of (Italian) Legislative Decree no. 49 of 14 March 2014, "Implementation of Directive 2012/19/EU on the disposal of electrical and electronic devices (WEEE)".

The crossed-out dustbin symbol displayed on equipment or its packaging indicates that the product at the end of its life must be collected separately from other waste.

At the end of its useful life, the user should therefore deliver the product to a suitable local sorted collection centre for electrical and electronic devices.

Sorted collection for recycling, treatment and environmentally compatible scrapping contributes to the prevention of negative effects on the environment and health, and promotes the re-use and recycling of the materials of which the equipment is made.

**If problems occur, the product shuts itself off automatically.  
The display will show the reason (see below).**



| MESSAGE                      | PROBLEM   | SOLUTION   |
|------------------------------|---|--|
| <b>A01 burning pot dirty</b> | displays when the combustion air intake is below the set level  | <ul style="list-style-type: none"> <li>• Check that the combustion chamber door is closed</li> <li>• Check the regular maintenance of the stove</li> <li>• Check that smoke discharge and combustion air ducts are clean.</li> </ul>   |
| <b>A02</b>                   | displays when the logic board is not detecting the right smoke fan speed  | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>   |
| <b>A03</b>                   | displays when the thermocouple detects a smoke temperature lower than the set value and interprets this as the absence of flame | <ul style="list-style-type: none"> <li>• Check that there are pellets in the tank</li> <li>• Check that the water temperature has not increased due to the closure of a valve (call a technician)</li> <li>• Contact the technician</li> </ul>   |
| <b>A04</b>                   | displays when ignition times out unsuccessfully   | <p>There are two possibilities:<br/>NO flame:</p> <ul style="list-style-type: none"> <li>• Check that the burning pot is seated properly and clean</li> <li>• Check that there are pellets in the tank and burning pot</li> <li>• Try switching it on with a solid ecological igniter (contact the technician beforehand and follow the instructions of the igniter supplier very carefully).</li> </ul> <p>The operation must be regarded purely as a trial under the technician's guidance</p> |
| <b>A05</b>                   | Shutdown due to air flow rate sensor breakage   | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>   |
| <b>A06</b>                   | displays when the logic board determines that the smoke temperature probe is broken or disconnected                             | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>   |

| MESSAGE    | PROBLEM  | SOLUTION  |
|------------|--|---|
| <b>A07</b> | Shutdown due to exceeding maximum smoke temperature.   | <ul style="list-style-type: none"> <li>• Check the type of pellet (contact the technician if in doubt)</li> <li>• contact the technician</li> </ul> |
| <b>A08</b> | Switching OFF due to excessive overheating of the product  | <ul style="list-style-type: none"> <li>• see HO7</li> </ul>   |
| <b>A09</b> | Shutdown due to gearmotor breakage or seizure  | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>  |
| <b>A10</b> | Switching OFF due to circuit board overheating.  | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>  |
| <b>A11</b> | Switching OFF due to the intervention of the safety pressure switch.                               | <ul style="list-style-type: none"> <li>• Ensure the stove and flue are clean</li> <li>• Contact the technician</li> </ul>                           |
| <b>A12</b> | Room temperature probe failure.  | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>  |
| <b>A13</b> | Shutdown due to breakage of the reading water temperature probe of the boiler stove.               | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>  |
| <b>A14</b> | Shutdown due to breakage of the water temperature probe in the boiler                              | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>  |
| <b>A15</b> | Shutdown due to exceeding maximum water temperature in the boiler stove                            | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>  |
| <b>A16</b> | Shutdown due to breakage of the pressure switch for reading the water pressure of the boiler stove | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>  |
| <b>A17</b> | Shutdown due to breakage of the external probe   | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>  |
| <b>A18</b> | Shutdown due to breakage of the water temperature probe in the inertial storage tank               | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>  |
| <b>A20</b> | Shutdown due to gearmotor breakage or seizure  | <ul style="list-style-type: none"> <li>• Contact the technician</li> </ul>  |

**WATER OVERHEATING (SHUTDOWN WITHOUT ALARM)**

If the water in the product reaches a temperature of 85°C, the product shuts down without switching to alarm mode. The text STBY appears on the display next to the room temperature.

The product is working, but it must be serviced by an authorised Edilkamin technician.

**MAINTENANCE (SIGNAL THAT DOES NOT CAUSE SHUTDOWN)**

A spanner symbol will appear on the display after 2,000 hours of operation

The product is working, but it must be serviced by an authorised Edilkamin technician.



**Seasonal maintenance should be performed by a qualified technician in accordance with the national and local regulations.**





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



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