nobis

YOUR STOVE, OUR PASSION

EN - Installation, use and maintenance manual

UNICA 10 V/C

PAY ATTENTION TO THE SECTION OF THE SMOKE DUCT, WHICH MUST WIDHSTAND TEMPERATURES THAT CAN EASILY REACH 650°C.

NEGATIVE PRESSURE IN THE SMOKE EXHAUST SYSTEM MUST RESPECT THE VALUE OF 12Pa. THIS APPLIES FOR PELLETS COMBUSTION AS WELL, NOT ONLY FOR WOOD BURNING.

WHEN INSTALLING THE PRODUCT, COMPLY WITH UNI 10683 STANDARD.

WARNING!

SURFACES CAN BECOME **EXTREMELY HOT** - ALWAYS OBSERVE DUE PRECAUTIONS AND WEAR SUITABLE PROTECTIONS.

Dear Customer, Thank you for choosing a product from our range.
To make the most of the stove and all its features in total safety, we invite you to read this manual carefully before starting to use the product.
This manual contains all information necessary for correct installation, start-up, use, cleaning and maintenance of the product.
Keep this manual in a suitable place after reading it carefully.
Improper installation, maintenance or use of the product indemnify the Manufacturer from any liability deriving from damages caused to people or things.

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1 INTRODUCTION

The product is designed and built with high-quality materials and in compliance with the reference standards for construction products (EN13240 wood stoves, EN14785 pellet appliances, EN13229 fireplaces/wood inserts, EN12815 wood cookers). Our products also comply with the essential requirements of Directive 2014/35/EU (Low Voltage) and Directive 2014/30/EU (Electromagnetic Compatibility).
Printing, translation and reproduction - even partial - of this manual must be authorized by the manufacturer. Also, contents related to the product functioning and illustrations are not for reproduction.
Always consult authorized technicians in case of doubts and/or perplexities about the functioning of the product.
The manufacturer reserves the right to modify specifications and technical and/or functional characteristics of the product at any time without prior notice.

1.1 SYMBOLS

This manual contains symbols highlighting the importance of particular descriptions or concepts:

INFORMATION: Complying with the instructions contained in this manual guarantees the correct functioning of the product.

CAUTION: Symbol used to identify information of particular relevance.

DANGER: This symbols require utmost attention, to guarantee user safety and product integrity.

1.2 INTENDED USE

The product covered by this manual is a fireplace for domestic use, automatically fuelled exclusively by wood or pellet.

The product is designed and built to work safely under the following conditions:
- installation performed by specialized technicians in compliance with specific reference standards;
- use within the limits stated on the product sheet and in this manual;
- compliance with the technical procedures described in the manual;
- carrying out ordinary maintenance as per instructions illustrated in this manual;
- timely execution of extraordinary maintenance in case of need (malfunctioning);
- activity and maintenance of safety devices (do not remove or deactivate these devices).

1.3 IMPROPER USE

The product must not be intended for uses other than that for which it was expressly made. Otherwise, the manufacturer cannot be held liable for any damages to people, animals or things.
"Improper use" means:
- using the product as an incinerator;
- using the product with fuel other than 6-mm-diameter wood pellets;
- using the product with liquid fuels;
- using the product with the fire door open and/or broken glass and/or ash pan open.

Any other use of the appliance other than that envisaged must be previously authorized in writing by the Manufacturer.
Furthermore, the manufacturer cannot be held in any way liable for errors in installation, adjustment or maintenance of the product.

1.4 IMPORTANCE OF THE MANUAL

This manual aims at providing the basic rules for proper installation, use and maintenance of the product.
STORAGE: Keep the manual in an easily accessible place;
DETERIORATION OR LOSS: Visit Nobis' official website to download a digital version;
TRANSFER OF THE PRODUCT: In case of private sale of the product, it is mandatory for the owner to deliver the generator together with this manual, as it is an integral part of the product.

1.5 GENERAL SAFETY WARNINGS

Failure to comply with the instructions in this manual can cause damage to people, animals or things.
- Installation, system check, product functional test and first calibration must be carried out by qualified and authorized personnel only.
- The product must be connected to a single flue duct which guarantees the draft declared by the Manufacturer and which complies with the installation standards envisaged in the place of assembly of the same.
- The room where the product is installed must be suitably oxygenated (air intake);
- To avoid burns, always wear suitable safety equipment before touching the hot surfaces of the product.
- When in operation, the external surfaces of the product reach high temperatures.
- It is prohibited to make changes to the product unless expressly authorized in writing by the Manufacturer.

- **In the event of a fire in the flue, contact the Fire Brigade immediately.**
- The product cannot be used by a minor, a person incapable of giving consent, or by a person with reduced sensory, physical or mental capabilities. Furthermore, it must not be used by individuals who, despite the aforementioned capacity, have not received adequate training on use and maintenance, or who - in any case - have not thoroughly read this manual.
- Children must be kept away from the generator, especially during operation and maintenance, and they must be prevented from accessing the product to play, even if the appliance is switched off and cold.
- Cleaning and ordinary maintenance which can be carried out by the user must not be performed by a minor, persons not capable of giving consent or persons with reduced sensory, physical or mental capabilities. Furthermore, it must not be used by individuals who, despite the aforementioned capacity, have not received adequate training on use and maintenance, or who - in any case - have not thoroughly read this manual.
- Do not place clothes or linen on the product, neither dry nor wet. Do not place the drying rack in front of the generator at a distance lower than that indicated in the table shown in section 5.4 - ***Fire hazard***.
- Any combustible or heat-sensitive material (e.g., sofas, tables, chairs, curtains, etc.) must be kept at a safe distance from the product. For further information on safety distances, see the table shown in section 5.4 - ***Fire hazard***.
- While in operation, the hearth's door must always be closed;
- The product must be electrically connected to a system equipped with an effective earthing system.
- If the ignition system fails, do not force ignition by using flammable materials and contact an authorized technician instead.
- Do not pull, disconnect, or twist the electric cables connected to the product - where present - even if disconnected from the power grid, and avoid contact with hot parts and/or smoke outlet;
- This product can be installed in a suitable room with a minimum volume of 50 m3.
- For the non-airtight product, it is prohibited to install the product in bedrooms, bathrooms, toilets and studio apartments;
- It is prohibited to install the product in environments with explosive atmosphere, places exposed to fire hazard, warehouses of combustible materials.
- Installation in rooms for which there is no heating/ not to be heated is not permitted.
- Check the product for any clogging before using it following a long period of non-use.

1.6 LEGAL WARRANTY

In order to enforce the legal guarantee, the user must scrupulously observe the instructions indicated in this manual. In particular, the user must:

- always operate within the limits of use of the product;
- carry out routine maintenance in due time;
- authorize use to people of proven ability, aptitude and adequately trained for the purpose;
- use original spare parts specific for the product model.

It is also necessary to provide the following:

- fiscal receipt proving the date of purchase;
- certificate of conformity of the installation, issued by authorized staff.

Failure to comply with the instructions contained in this manual will result in immediate forfeiture of the warranty, both of the product and of any spare parts fitted at a later time.

1.7 WARRANTY EXCLUSIONS

All malfunctions and/or damage to the appliance due to the following causes are excluded from the warranty:

- damage caused by transport and/or handling;
- all parts that may be defective due to negligence or careless use, incorrect maintenance, installation that does not comply with the manufacturer's specifications (always refer to this manual);
- further damages caused by wrong interventions by the user in an attempt to remedy the initial malfunctioning;
- increased damage caused by further use of the appliance by the user once the defect has occurred;
- in the presence of hydronic generators, any corrosion, encrustations or due to stray currents, condensation, aggressive or acid water, improper descaling treatments, lack of water, mud or limescale deposits;
- damage deriving from using the product as a chafing dish;
- inefficiency of chimneys, flues, or parts of the system on which the appliance depends;
- damage caused by tampering, atmospheric agents, natural disasters, acts of vandalism, electric shocks, fires, defects in the electrical and/or hydraulic system;

The following are also excluded from the product warranty:

- parts subject to normal wear and tear such as gaskets, glasses, coverings and cast-iron grids,

painted, chromed or gilded details, handles, electric cables, lamps, ignition resistors, lights, knobs, and all parts that can be removed from the hearth (e.g., refractory panels, brazier) and/or directly exposed to fire;
- colour changes in the paint of ceramic parts, as well as cracks of the ceramic, as they are natural features of the material and naturally deriving from normal use;
- masonry;
- other system details (if any) not supplied by the manufacturer.

Any technical interventions aimed at restoring the product must be agreed with the Authorized Technical Assistance Centre, which reserves the right to accept the assignment or not.
Technical interventions are subject to fees according to the rates in force. Moreover, any expenses needed for remedying incorrect technical interventions, tampering or, in any case, factors harmful to the appliance and not attributable to manufacturing defects will also be charged to the user.
Without prejudice to the limits imposed by laws or regulations, any guarantee of containment of atmospheric and noise pollution is also excluded.

1.8 SPARE PARTS

Use only original spare parts.
Do not wait for components to wear out before replacing them.
In the event of product malfunction, this helps to prevent accidents caused to people, animals or things.
To replace spare parts, consumables, and to carry out extraordinary maintenance, it is recommended to contact an authorized technician.

1.9 IDENTIFICATION PLATE

An identification plate, to be found on the back of the product, shows all the product technical information, including the Manufacturer's data, serial number and CE marking.

1.10 PRODUCT DISPOSA

Responsibility for the demolition and disposal of the product is borne solely by the owners, who must act in compliance with the laws in force in their country with regard to safety and environmental protection.
At the end of its useful life, the product must not be disposed of together with municipal waste.
It can be delivered to the local separate waste collection centres provided by the municipal administrations, or to the retailers providing such service.
Disposing of the product through separate waste collection helps to avoid possible negative consequences for both environment and health which can derive from inappropriate disposal. This also allows the recycling of materials and obtain significant savings in terms of energy and resources.

1.11 HERMETIC PRODUCT

Products built with a fully airtight structure do not consume room oxygen, as they take the air from outside the building (if properly installed) and can, therefore, be placed inside all houses with a high degree of insulation, such as "passive houses" or highly energy-efficient. Thanks to such technology, there is no risk of smoke emissions into the environment and, therefore, there is no need for ventilation grids.
Hermetic products can also be installed in the presence of forced ventilation or in rooms where pressure can be lower if compared to the outside.

2 WOOD FEATURES

PELLETS
Wood pellets are a type of fuel made of pressed wood sawdust, often recovered from carpentry processing waste. The material used cannot contain any foreign substances, e.g., glue, lacquer, or synthetic substances.
After being dried and cleaned of impurities, sawdust is pressed through a matrix: due to the high pressure the sawdust heats up, activating the natural binders of the wood; in this way, pellets maintain their shape even without the need for additional artificial substances. The density of wood pellets varies depending on the type, and can exceed that of natural wood by 1.5 - 2 times. The cylinders have a diameter of 6 mm and a length varying between 10 and 40 mm.
Their density is approximately 650 kg/m3. Due to the low water content (<10%), they have a high energy content.
The main quality certifications for pellets existing on the European market allow us to guarantee that the fuel falls into class A1 according to ISO 17225-2:2014 (formerly known as EN 14961). Examples of these certifications are, e.g., ENPlus, DINplus, Ö-Norm M7135, which guarantee that the following characteristics are met:
- calorific value: 4.6 ÷ 5.3 kWh/kg;
- water content: ≤ 10% of weight;
- percentage of ash: max 1.2% of weight (less than 0.7% according to A1);
- diameter: 6±1/8±1 mm;
- length: 3÷40 mm;
- content: 100% untreated wood, without any addition of binding substances (max. bark percentage: 5%);

• packaging: bags made of eco-compatible or bio-decomposable material.

For the products in the range, the Manufacturer prescribes the use of certified class A1 fuel, in compliance with ISO 17225-2:2014, DIN PLUS certificate (which is more restrictive than class A1), or else O-NORM M7135.

Pellets must be stored in a dry environment, not excessively cold. It is also advisable to keep some pellet bags (in any case not exceeding 1.5m3) in the room where the product is used, so as to allow any moisture to dry out.
Neglecting this aspect will result in lower efficiency of the fuel and, as a consequence, more maintenance to be carried out.

WOOD

For the products in the range, the Manufacturer prescribes the use of certified class A1+ or A1 fuel, in compliance with UNI EN ISO 17225-5:2014 standard.

Permitted fuels: wood logs. Only dry wood logs (max. water content: 20%) must be used.
It is recommended to use long-lasting essences such as beech, oak or elm. *Avoid very aromatic essences or essences with high content of resin (myrtaceae, eucalyptus, pine, fir) which can cause problems, even serious ones, to the product.*

When choosing the size of the wood to be purchased, refer to the dimensions of the combustion chamber. For further information, see the chapter dedicated to wood loading, ignition and product operation.

Suggested fuel: BEECHWOOD
• calorific value: about 4.6 kWh/kg;
• ideal humidity level: from 15% to 20%;

The wood must be stored in a dry and not excessively cold environment. It is also advisable to keep a quantity of wood logs sufficient for 2/3 days of operation in the room where the product is used, so as to allow any moisture present to dry out. Neglecting this aspect will result in lower efficiency of the fuel and, as a consequence, more maintenance to be carried out.

Should you decide to use pressed logs, be careful, as they have a high calorific value, which can damage the product by overheating.

Prohibited fuels
We recommend not to use the following fuels, as they could be harmful to health and environment, **thus invalidating the warranty:**
• very damp wood
• treated wood (chipboard, lacquered, varnished, glued, etc.)
• treated paper and cardboard (varnished, oiled, impregnated kitchen paper, etc.)
• woodworking residues, such as shavings and/or sawdust
• liquid fuels
• coal and other fossil derivatives
• rubbish, plastic and/or - more generally - anything that releases toxic and polluting substances through combustion.
• Fruit pits, pomace, corn, shells, mixtures of the above with wood pellets, pellets NOT produced with sawdust only.

3 INSTALLATION

Installation and use must take place in compliance with all the respective ISO, EN, UNI reference standards in force and pursuant local and national laws.

Product installation and its connection to both the flue and heating systems must be carried out by a qualified technician, according to the laws in force (in Italy, e.g., see Ministerial Decree 37/08 and subsequent amendments, and Legislative Decree 28/11 and subsequent amendments).

The manufacturer is not liable for any claim for compensation for damages due to installation which does not comply with the technical standards and all the legislative provisions in force, or for installation carried out non-competent and non-authorized persons, as indicated in the previous paragraph.

3.1 INSTALLATION SITE

• Product position (before assembly) must be chosen according to the following: installation environment; presence of a suitable flue or its possibility to build one; presence of a compliant electrical system; according to the presence of an aeraulic or hydraulic system (if applicable); the possibility to have direct, indirect ventilation or air ducting (if applicable).
• The room must be suitable for installation (see also the technical standards in force, e.g., UNI10683). It must not be: a room exposed to the risk of fire, a potentially dangerous room, a deposit of combustible material, a non-heatable room (should the appliance heat the installation room).
• Evaluate the attic/floor capacity before placing the product. If the existing construction does not meet this requirement, appropriate measures should be taken (e.g., installing a load distribution plate). It is recommended to consult a professional on the subject.

- The installation room must have a minimum volume of 50 m3
- Minimum safety distances for fire prevention must be taken into consideration when installing the appliance in the room. In the presence of combustible materials and/or heat-sensitive materials (furniture, curtains, sofas, wooden walls and surfaces, building insulation, etc.) adjacent to the generator, minimum free space must be observed as per values shown in the relevant table of the "Safety distances" chapter.
- The use of a protective platform made of suitable material (steel, glass...) is required. Such platform must also protects the front part from any falling combustion materials during loading/cleaning operations;
- The installation of the appliance must take into consideration any presence of other heat generators or suction systems (e.g., hoods, extractor fans, etc.) for the following purposes:
  - summation of the powers, for fire-prevention purposes;
  - possible coexistence, e.g., with non-airtight gas- and/or diesel-fuelled appliances (see technical standard UNI10683). Remember that it is forbidden to install non-airtight biomass appliances in rooms connected with other premises where there is a type A or type B gas or diesel generator;
  - suitability assessment of the direct and/or indirect room ventilation system to serve the suction systems and appliances installed;
- The installer must analyse the technical specifications of the appliance to verify its compatibility with the energy requirements of the room(s) served and the coexistence with any other appliances.

3.2 VENTILATION - AMBIENT AIR INTAKE

- The installation room of non-hermetic appliances must be sufficiently ventilated with special openings, with particular attention to their position, which has to ensure air to recirculate. Remember that non-hermetic appliances feed the fire by consuming the oxygen present in the installation room.
- Ventilation is considered sufficient when the room is equipped with air intakes according to the table:

APPLIANCE CATEGORY	REFERENCE STANDARD	% NET CROSS-SECTION COMPARED TO STOVE SMOKE OUTLET CROSS-SECTION	VENT. DUCT OPENING MIN. NET VALUE
Fireplaces	UNI EN 13229	50%	200 cm²
Stoves	UNI EN 13240	50%	100 cm²
Cookers	UNI EN 12815	50%	100 cm²
Stoves pellet	UNI EN 14785	-	80 cm²
Pellet boilers	UNI EN 303-5	-	6cm2 x kW

- If the ventilation intake is made in an adjacent room directly connected with the outside, the hole between the ventilation room and the installation room must be doubled at each passage (see UNI10683). The hole to the external environment must be equal to what is prescribed in the previous point. Pay attention to any other suction systems to prevent that negative pressure occurs in the ventilation room and/or installation room.
- The maximum pressure difference allowed between the outside and the installation room is always and in any case 4Pa (that is, room negative pressure).
- Ventilation air for the installation rooms cannot be taken from rooms exposed to the risk of fire, e.g., garages, bedrooms, bathrooms and toilets, shared premises.
- Combustion air cannot be drawn from crawl spaces, or from less than half a metre from the return/delivery vents of the crawl spaces.
- Ventilation holes can be closed with grids as long as they do not reduce their useful section, and do not hinder ordinary maintenance operations.
- The ventilation inlets must NEVER be obstructed by any type of material, not even partially, which could jeopardize the occupants' health.
- The ventilation outlets must comply with the relevant technical standards and any current local and national regulations, specifically with regard to their section, position, type and characteristics.
- Ventilation holes are not made necessary in the case of installation of airtight appliances (which are equipped with their specific ventilation duct).
- In the presence of a CMV system (Controlled Mechanical Ventilation), installation with combustion air drawn from the installation room is not permitted - see the "Ventilation ducting" chapter;
- The manufacturer is not liable for any claim for compensation for damages due to non-compliant installation of the ventilation outlets with respect to the above, and to the technical standards and all the legislative provisions in force.

3.2.1 VENTILATION DUCTING

- To channel combustion air from the outside to a traditional appliance or, in case of airtight installation (hermetic appliance), it is necessary to install a ventilation duct.
- The ventilation duct must have a section equal to or greater than the combustion air connection of the appliance.
- The ventilation duct must have the same section along its entire length. Narrowing the duct is only allowed at the generator inlet;
- The ventilation ducts and relative grids must comply with the technical standards and any current local and national regulations, specifically with regard to their section, position, type and characteristics.
- The manufacturer is not liable for any claim for

compensation for damages due to non-compliant installation of the ventilation ducts with respect to the above, and to the technical standards and all the legislative provisions in force.
- In the presence of a CMV system (Controlled Mechanical Ventilation) the installation of hermetic appliances or appliances with a closed hearth is permitted as long as combustion air is drawn directly from the outside via a ventilation duct.

3.3 SMOKE CHANNEL AND FITTINGS

The term "smoke duct" refers to the set of pipes and elements connecting the appliance to the chimney/flue to convey the products of combustion towards the outside.
Smoke ducts are very important sections that must be installed correctly for the whole system to work correctly.
- All smoke ducts must be sized using a thermo-fluid dynamic calculation, in compliance with EN13384-1;
- Smoke ducts must be installed in compliance with Technical Standard UNI10683;
- Metal ducts must comply with Product Standard EN1856-2;
- The sub-horizontal sections must have a minimum upward slope of 3%;
- The length of the sub-horizontal section must be minimal and its floor projection must not exceed 2 metres;
- There cannot be more than 3 changes in direction, including that of the chimney/flue connection and, in the case of appliances with rear outlet, and the T-joint or bend at the generator connection (this latter in case of appliances equipped with rear exhaust). Changes in direction must not have an angle greater than 90° (bends of max. 45° are recommended);
- The section diameter must be constant or greater from the fireplace outlet to its connection with the flue;
- It is prohibited to use flexible metal pipes, even non-telescopic ones;
- The smoke duct for appliances equipped with a smoke fan must ensure the seal of the combustion products and have the seal class at minimum pressure P1;
- In any case, the smoke ducts must seal any combustion products and condensate, as well as be insulated if they present sections extending outside the installation room;
- With regard to the smoke duct, it is necessary to create a first vertical section, at least 1 metre long, to guarantee proper fume discharge;
- The smoke ducts must not cross rooms in which the installation of combustion appliances is prohibited, rooms at risk of fire, fireproof rooms, rooms exposed to a specific risk of fire, or non-inspectable spaces;
- The smoke duct must maintain, throughout its length, safety distances from flammable materials as per specifications given by the smoke duct manufacturer.
- It is prohibited to install manual draft adjustment devices on forced draft appliances;
- It is necessary to provide the sampling point for both draft measurement and fume analysis, as per standards UNI10683 and UNI10389-2.

3.4 FIREPLACE/FLUE

The term chimney/flue refers to the section of the smoke exhaust system going from the connection to the generator or smoke duct up to the roof.
When building the chimney/flue, the following requirements must be applied:
- Metal ducts must comply with product standard EN 1856-1;
- All chimneys/flues must be sized using a thermo-fluid dynamic calculation, pursuant EN13384-1.
- Chimneys/flues must be installed according to technical standard UNI10683. Both chimney systems and internal flue ducts are permitted.
- Operation under positive pressure is not permitted. Chimney systems and internal flue ducts must operate with negative pressure with respect to the environment, as per product technical data sheet.
- The flue must be made with suitable materials to guarantee resistance to normal thermal and mechanical stress, it must have suitable resistance to corrosion caused by solid fuels, and be properly insulated to avoid condensation (i.e., thermal insulation);
- The flue must be predominantly vertical and free of bottlenecks along its length;
- Be properly spaced by air gap and isolated from flammable materials. In the case of installation of a composite chimney, to verify surface temperatures for fire-prevention purposes, the thermal calculation must be performed in compliance with EN15287;
- If a chimney system is installed, safety distances from flammable materials must be assessed as per the product designation given in the CE marking, in the DoP and on the chimney plate;
- Changes of direction must be max. 2 and with an angle not exceeding 45°;
- The flue inside the house must in any case be insulated, and can be inserted in a shaft, provided that it complies with the regulations relating to ducting;
- The smoke duct must be connected to the flue by means of a "T" fitting equipped with an inspectable collection chamber (necessary for collecting combustion residue and, above all, condensate);
- The chimney/flue must expel smoke above the roof, as required by UNI10683 standard.
- It is prohibited to connect the appliance to a

fireplace/flue shared with other appliances or in the presence of extractor hoods or other aspirators. Collective flues are not permitted. It is forbidden to expel exhaust directly from the wall or into closed spaces, or in any other way not envisaged by the legislation in force in the country of installation (e.g., in Italy, only roof outlet is permitted).

- It is possible to use the air from the interspace of the chimney stack, in compliance with the provisions of UNI10683;
- In case of multiple ducting, avoid mutual interference and pay attention to the pressures, distances and coexistence of the various ducts, in compliance with standard UNI10683;
- In case of wet operation, set up the condensate drainage system by scrupulously following the provisions set by standard UNI10683;

3.5 CHIMNEY TOP

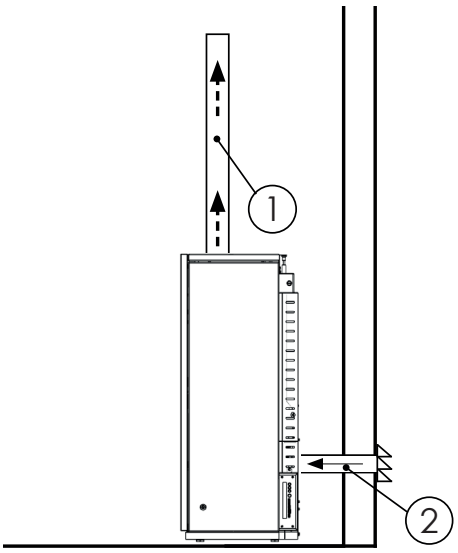
UNI10683 prescribes that the chimney pot must comply with the following requirements:

- The smoke outlet section must be at least double if compared to the internal section of the chimney;
- It must be shaped in such a way as to prevent water or snow from penetrating;
- A windproof cap must be provided to ensure proper smoke outlet even in case of wind;
- The smoke outlet level (which is measured between the lower side of the roof covering and the lower point of the fume outlet section) must be outside the reflux area;
- It must always be placed away from antennas or satellite dishes, and must never be employed to support other objects;
- It must ensure regular maintenance;
- It must be installed at a safe distance from other chimneys, or obstacles with and without openings (e.g., doors, windows, dormer windows, skylights, etc.), in compliance with UNI10683.

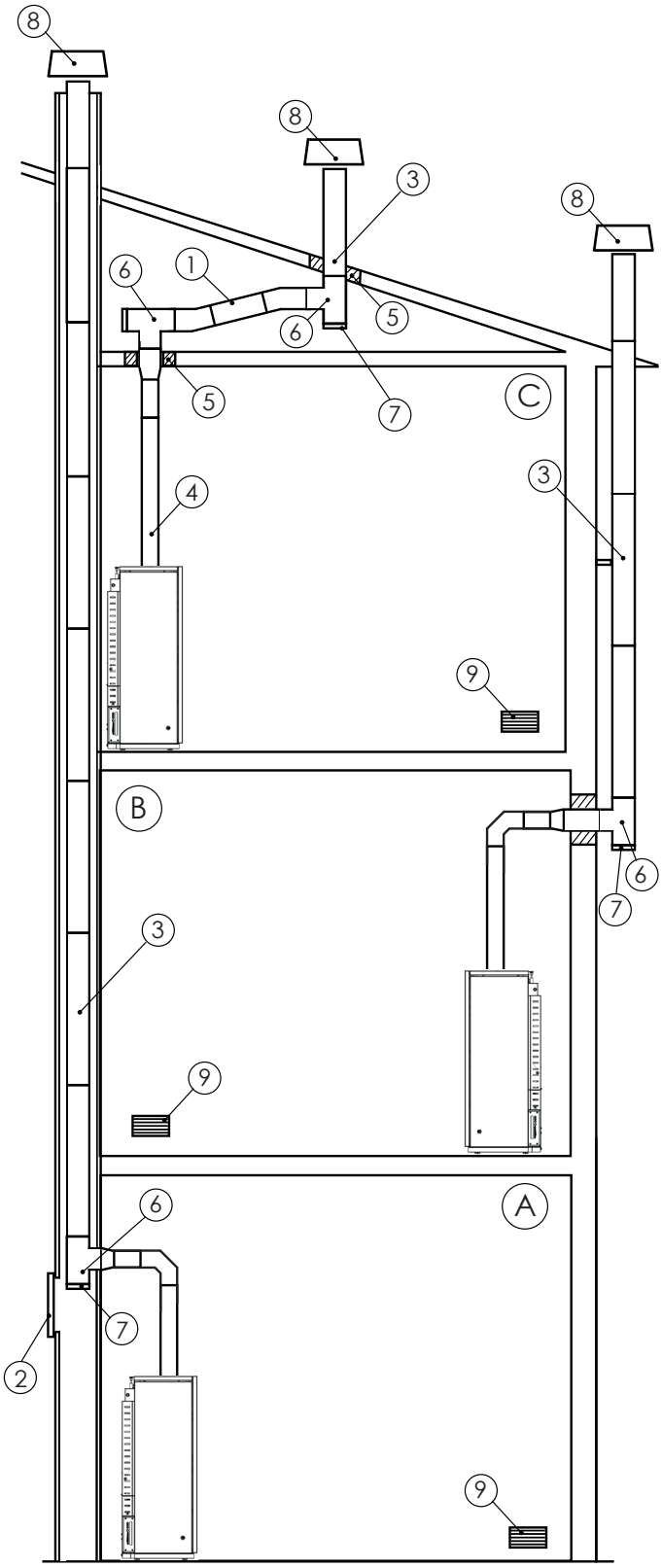
3.6 HERMETIC PRODUCT INSTALLATION

In case of hermetic products, you can follow the example below:

fume exhaust (1) and recovery of combustion air directly from the outside (2)



For installations where combustion air is drawn directly from the outside, do not exceed 1 (one) linear meter to ensure proper oxygen supply to combustion.



3.7 EXAMPLES OF PROPER INSTALLATION

Always refer to the standard UNI 10683 when product installation has to be carried out by a qualified professional, who is required to issue the INSTALLATION CERTIFICATE OF CONFORMITY on the whole Italian territory. Esempi: (A) horizontal section needed for connection to an existing flue. Observe a minimum upward slope (3-5%) to reduce the quantity of ash deposit in the horizontal section of the pipe, which must not exceed 2m (1). The existing flue must be inspectable (2).
The installation of the product (B) requires an insulated flue (3), as the entire smoke pipe has been mounted outside the building.
Example (C) shows a single-wall smoke duct (4) for the indoor section. With regard to the part located in the attic, outside the room where the generator is installed, it is necessary to install an insulated section, with double crossing of the slab and the roof; the passing holes of the pipe must respect the minimum safety distances indicated on the labels of the sections of the flue pipe itself, paying attention to the possible contact with the material crossed, as is the case with:
• if in contact with concrete, bricks, etc.;
• if in contact with wood, composite materials, etc.
In both cases, insert a suitable roof passage (5) between the flue and the attic.
It is recommended to check and respect the data on the flue plate, paying particular attention to safety distances from combustible materials.
The previous rules also apply to connection holes drilled on the wall.
On the lower part of the flue pipe, as well as on the inlet of the chimney flue, a "T" type connector (6) with inspection plug (7) has been fitted for all the 3 types of installation.
In the upper part of the flue, for all 3 examples, a windproof chimney pot (8) has been mounted.
For all the 3 types of installations, a grate (9) has been provided to ensure good oxygenation of the room where the product has been placed. In case of hermetically sealed appliance, equipped with direct outdoor connection of the air-intake system, a grate is not required.

3.8 DOCUMENTS TO BE ISSUE

After installation, the installer must hand over to the user the following:
- use and maintenance manual of the appliance (supplied by the manufacturer);
- technical documents of the accessories used and subject to maintenance;
- the documentation relevant to the evacuation system of combustion products;
- System booklet;
- the documentation certifying installation and functional test;

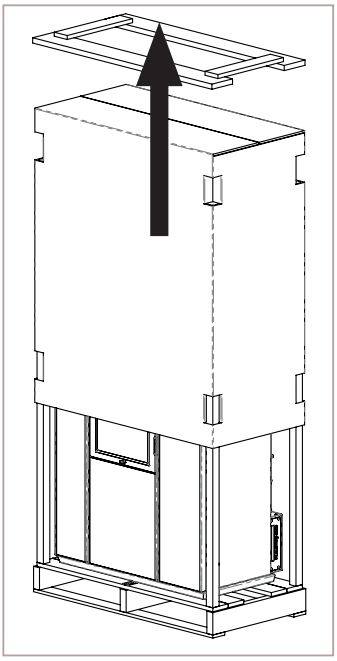
The useful documentation for the installer's liability must include:
- a detailed description (also including photographs) of the presence of other heat generators;

- Declaration of Conformity of the system to standard (M.D. 37/08);
- general description, or diagram, or photographic documentation of the changes made to the system, if intervention was necessary during installation;
- Use of certified material with the CE mark (305/2011);
- any other relevant information useful for warranty purposes;
- date and signature of the installation technician;

NOBIS SRL declines all responsibility in the event of non-compliance with any standard for the installation and commissioning of its products.

3.9 UNPACKING THE PRODUCT

The packaging is composed of boxes in recyclable cardboard, according to RESY standards, and wooden pallets. All packaging materials can be re-used for similar use or, if necessary, disposed of as urban waste, in compliance with legislation in force.



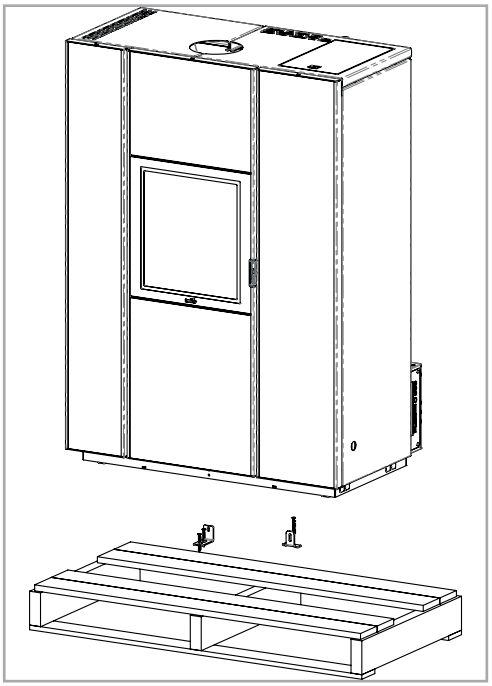
Cut the strap binding the pallet to the packaging and lift the cardboard; remove the plastic bag around the product, ensuring it is intact.

The body must always be moved in a vertical position using trolleys.

Particular care must be taken to ensure that the door and its glass are protected from mechanical shocks which compromise their integrity.

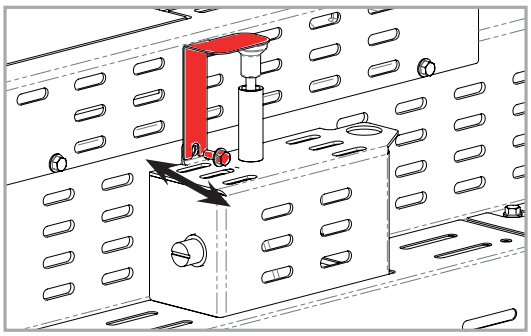
If possible, unpack the product near the area where it will be installed.

To remove the appliance from the pallet, unscrew the metal supports holding it, so as to release it from the wooden base.



Place the appliance and connect it to the flue pipe. Install the 4 adjustable feet and adjust them to match the smoke outlet with the pipe. Remember that the finishing frame must also be installed. Therefore, make sure to calculate the space accordingly.

Loosen the locking screw of the bracket to free the control mechanism of the smoke safety hatch (to be found at the rear right side of the pellet tank cover), paying attention to the lever, which will rise upwards as the stove is not powered. Tighten the screw back into place after removing the bracket.



3.10 ASSEMBLY OF THE FUME EXHAUST/DUCTING

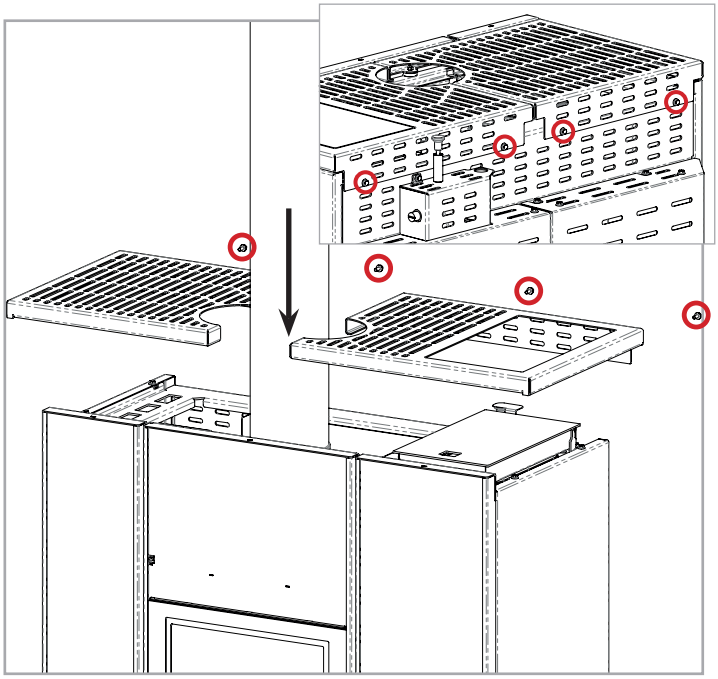
Below you will find the instructions for proper installation of upper smoke outlet. In this chapter you will also find the installation instruction for the **optional** ducting kit, as well as a diagram for disassembling (and reassembling) the appliance covering to place the kit correctly.

This chapter also deals with non-standard installation options. Pipes for non-standard installations are not provided and have to be

purchased from your trusted dealer/assistance centre.

The installation, disassembly / reassembly of the appliance must be carried out by qualified personnel authorized by Nobis Srl.
Please note that opening the appliance by unauthorized personnel will invalidate the product warranty.

CONNECTION TO THE SMOKE EXHAUST SYSTEM



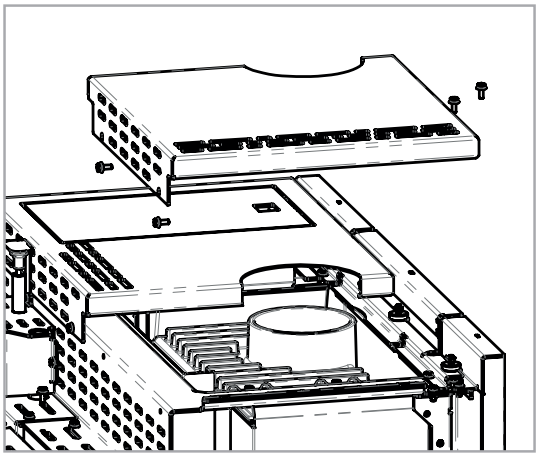
To insert the first section of the smoke duct, always remove the two upper diffusers, so as to avoid damaging the paintwork.

Start by unscrewing the 4 screws highlighted on the back side and lift the two diffusers, which are held in place by magnets on the front side.
Insert the first section of the **Ø130mm** smoke duct which must be made of high-quality material and resistant to the high temperatures to which it could be subjected in the event of opening of the emergency bypass hatch.
Follow the previous steps backwards to re-assemble all the parts.

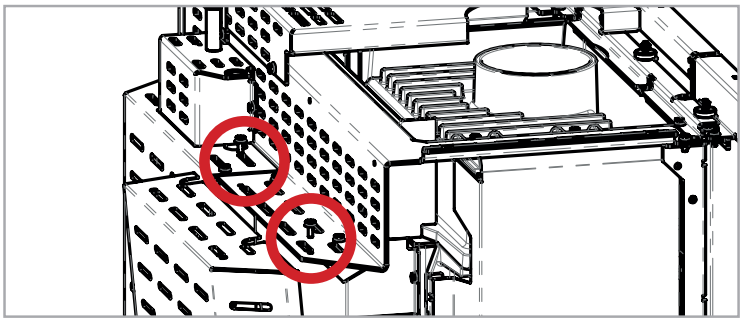
PAY ATTENTION TO THE SECTION OF THE SMOKE DUCT, WHICH MUST WITHSTAND TEMPERATURES THAT CAN EASILY REACH 650°C.
NEGATIVE PRESSURE IN THE SMOKE EXHAUST SYSTEM MUST RESPECT THE VALUE OF 12Pa.

INSTALLATION OF THE CANALIZATION KIT - OPTIONAL

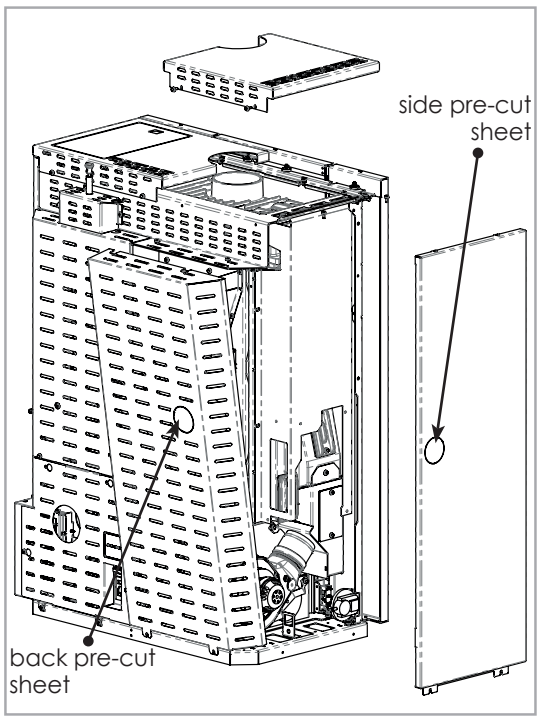
Remove the screws of the upper-left diffuser.

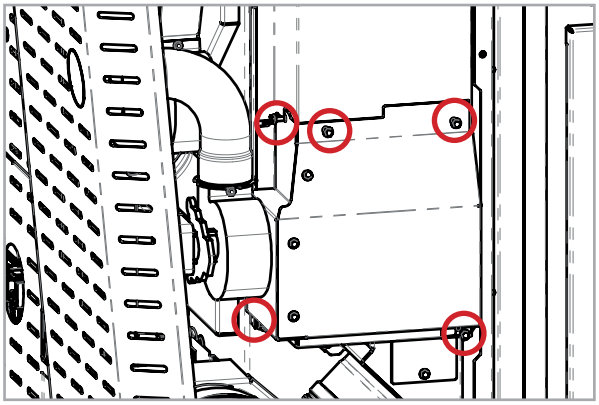


Remove the wooden frame which is magnetically attached to the underside. Unscrew the two upper screws to release the side panel. Remove it by lifting it from the lower screws - bayonet joint. Loosen the two screws which hold the rear panel in the upper part (highlighted by the circles) and remove it.
Remove either the left or the rear pre-cut sheet, depending on where you are going to install the ducting kit.



Fix the ducting kit with the 5 highlighted screws that are already present in the stove. After having securely fixed the casing to the engine, connect the product to the power system using the wiring already present in the machine and already in place. Remember to activate the option "single canalization" in the user menu via remote control.

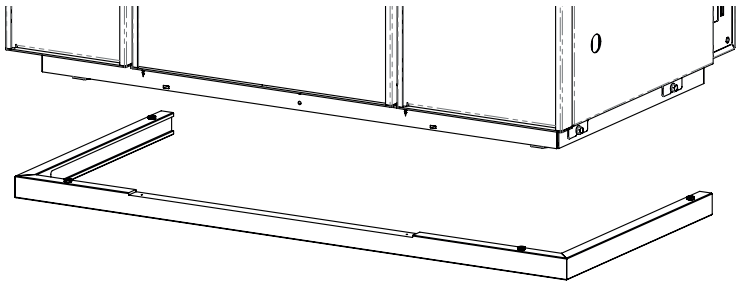




Connect the fan to the power supply using the CANAL extension, supplied with the original wiring of the product. Phase and Neutral can be inverted, unlike the earthing (yellow/green cable) which must necessarily be connected to the fan earthing.
Reassemble the product and, once powered, access USER SETUP > SETTINGS > CANALIZATION and choose SINGLE to activate the ducting menu item (see chapter 12 for further information on the menu entries dedicated to ducting).

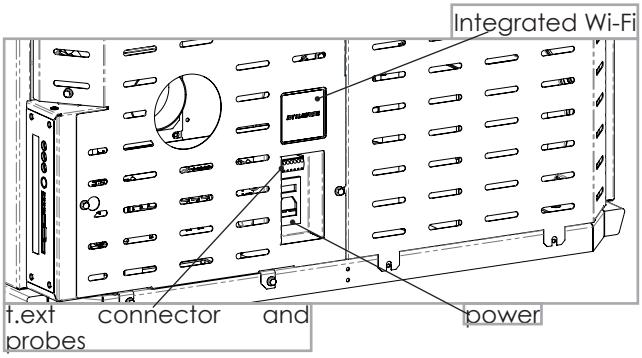
3.11 ASSEMBLY OF THE WOODEN PANELS

The wooden frame is equipped with magnets for easy connection to the base of the stove: pay attention to the 45° joints on the front part (see figure).

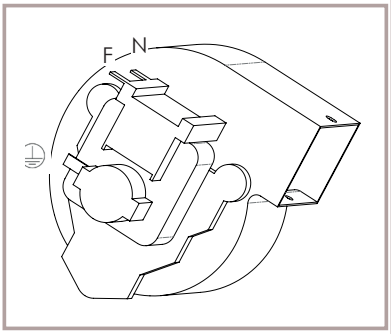


3.12 ELECTRICAL CONNECTION

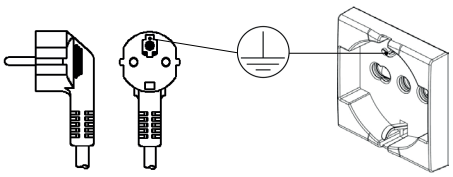
The product power cord must be connected only after the complete installation and assembly of the product. The cord must not enter in contact with hot parts and must remain accessible even after installation.
To plug in the product, proceed as follows:
- connect the power cord to the back of the appliance;
- connect the plug of the power cable to the wall socket.



It is possible to connect an external chronothermostat (t.ext) to the appliance for its modulation or switch-on/off combined with the Comfort Clima function. For connection and management of the "external thermostat" and "Comfort Clima" functions, refer to the dedicated chapter in this manual.



It is mandatory that the system is equipped with earthing and a differential switch, as per the laws in force. Also, make sure that the socket is compatible with the type of plug on the power cord used.



4 MAINTENANCE

Testing and maintenance operations, with the exception of ordinary cleaning (see related section in this manual), must be carried out by an authorized technician. Before any maintenance, remember to adopt the following safety measures:

- all parts of the product must be "cold";
- make sure that there is no form of combustion (e.g., ash and embers still hot);
- always use protective devices;
- pull the plug out of the socket;
- once the maintenance is complete, restore the product, taking care to reactivate all the safety devices.

4.1 MAINTENANCE OF THE FLUE SYSTEM

The flue pipe must always be clean, as deposits of soot or unburned residues can clog its section, thus reducing draft and compromising proper functioning of the product. Moreover, if present in large quantities, they can catch fire. It is mandatory to have the flue and chimney pot cleaned and checked by a qualified chimney sweep at least once a year or after a prolonged inactivity. At the end of the check/maintenance, get a report certifying that the system is safe.
Neglecting to clean the product jeopardizes the safety of the system.

4.2 PRODUCT MAINTENANCE

To be carried out at least either after every winter or at any "Service Hours" signalling (signal which appears on the remote control when service hours exceed, value beyond which optimal product operation is not guaranteed). During maintenance, the authorized technician will have to:

- carry out a complete and thorough cleaning of the smoke duct;
- check the tightness of all seals and gaskets;
- remove broken pellet residue inside;
- reassemble the appliance in all its parts;
- check proper functioning and combustion.

DO NOT DUMP ASH AND EMBERS FROM THE GRATE INTO THE HOLE OF THE BRAZIER - DANGER OF BREAKAGE OF THE MECHANICAL BRAZIER CLEANER AND/OR MALFUNCTIONING OF THE ELECTRIC RESISTOR FOR PELLETS IGNITION.

5 PRODUCT TECHNICAL DATA

This chapter provides all the technical data of the product: overall dimensions, installation dimensions and minimum mandatory distances to be kept from walls, furniture and any flammable objects that can be found in the premises where the product is installed.

5.1 PRODUCT DETAILS

PRODUCT DETAILS		
EU 2015/1186		
Brand	**Nobis**	
Model	**UNICA 10 V/C**	
Working with	**PELLET**	**WOOD**
Energy efficiency class	**A+**	**A+**
Direct heating output (kW)	**9.3**	**7.2**
Indirect heating output (kW)	**-**	**-**
Energy efficiency index	**127,6**	**115**
Efficiency (Nominal power %)	**90,0**	**85,9**
Efficiency (Reduced Pot. %)	**91,0**	**-**
Please observe the warnings, installation procedures and guidelines for regular maintenance contained in this manual.		

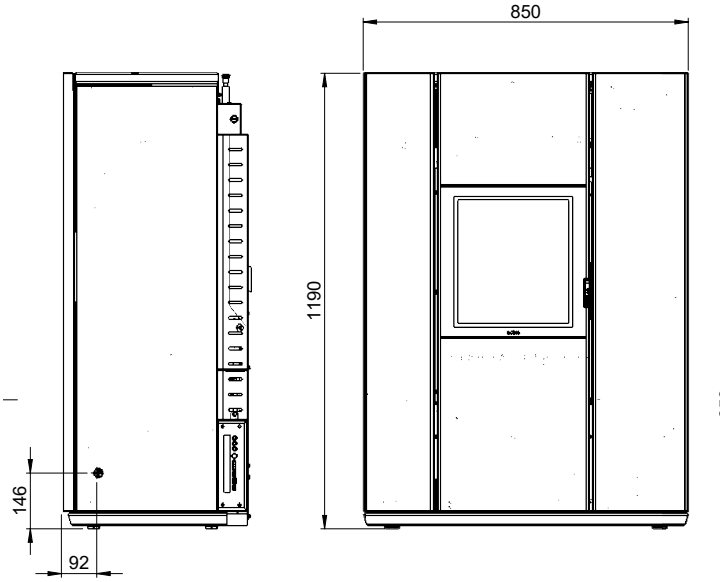
5.2 TECHNICAL FEATURES

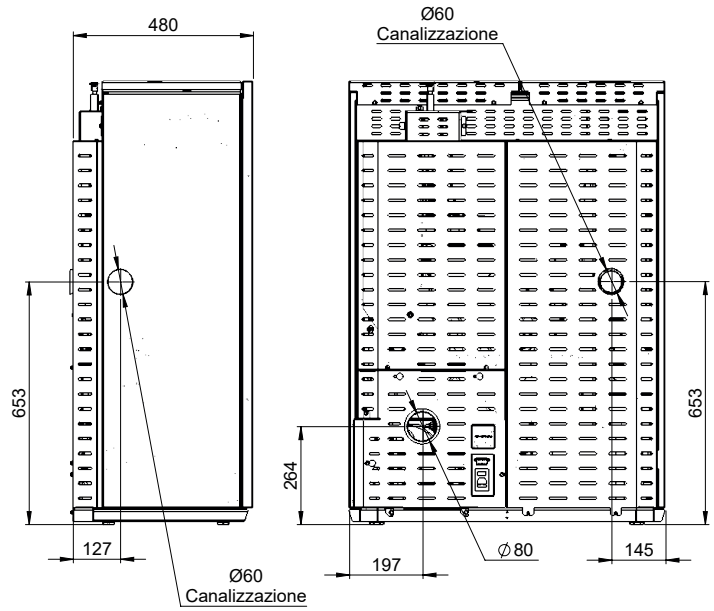
Model	**UNICA 10 V/C**		
Working with	**PELLET**		**WOOD**
	Reduced	**Nominal**	**Nominal**
Product weight (Kg)	**250**		
Ø air inlet (mm)	**80**		
Ø smoke outlet pipe (mm)	**130**		
Heating max. vol.* (m3)	**228**		**177**
Input power (kW)	**4,6**	**10,3**	**8,4**
Output power *(kW)*	**4,2**	**9,3**	**7,2**
Yield (%)	**91,0**	**90,0**	**85,9**
CO with 13% of $_{O}$2 *(mg/m3)*	**94,0**	**64,0**	**526**
Tank Capacity (kg)	**18,0**		**-**
Pellet Consumption (kg/*h)*	**0,96**	**2,17**	**1.98**
Burning time *(h)*	**18,8**	**8,3**	**-**
Absorbed electrical power (W)	**400**		
Electrical power supply (V-Hz)	**230-50**		
Exhaust gas flow (g/s)	**4,1**	**5,7**	**5,9**
Min. draft (Pa)	**12**	**12**	**12**
Smoke temperature (°C)	**165**	**258**	**226**

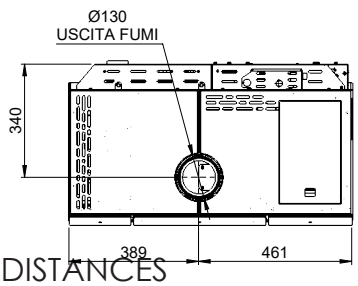
* this value may vary from the type of energy class of the house and from the type of pellets used.

The data shown are indicative and not binding. Also, they may vary depending on the type of pellets used. The manufacturer reserves the right to make any modifications in order to improve the performance of the products.

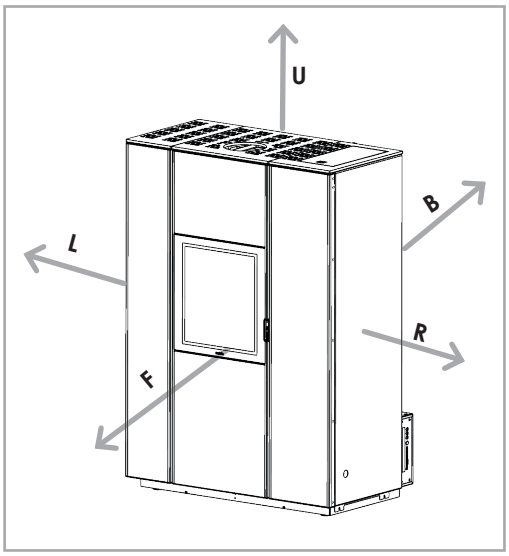
5.3 PRODUCT DIMENSIONS







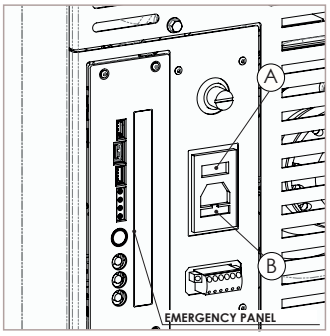
5.4 SAFETY DISTANCES



Minimal distance from flammable materials		
R	Right	400 mm
L	Left	400 mm
B	**Back**	**100 mm**
F	Front side	1000 mm
U	Upper side	1000 mm

6 PRODUCT SETTINGS

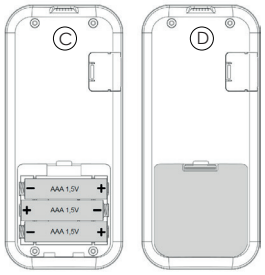
Once installation instructions has been properly carried out present, including external cladding (where applicable) and electrical connection, access the rear part of the product to power it.



The "I/O" switch - **A** in the figure above - must be positioned on "I". In the event of a power failure, check the condition of the fuse placed in the drawer under the switch - shown as **B** in the figure above - (4A fuse, EU configuration). During periods of non-use, it is advisable to disconnect the power cable from the device and remove the batteries from the remote control.

6.1 REMOTE CONTROL SETTINGS

Remove the battery cover on the back of the remote control, as shown in figure **C**, and insert 3 batteries (1.5V alkaline AAA type) in the compartment, paying attention to the polarity. Close the battery cover as shown in figure **D**.



CAUTION:
Risk of explosion if the battery is replaced with the wrong type.

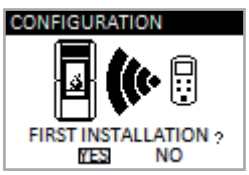
Once used, batteries must be disposed of in the appropriate collection centres.
To protect your batteries from adverse conditions or misuse, remember the following:

- keep the remote control away from heat sources (risk of explosion);
- in case of prolonged non-use of the remote control, remove the batteries (risk of oxidation and liquid leakage;

Nobis Srl declares that the remote control complies with 2014/53/EU Directive.
The full text of the EU declaration of conformity is available at the following Internet address:
https://www.nobisfire.it/wp-content/uploads/2019/04/DoC-Palmare-Radio-Nobis-1.pdf

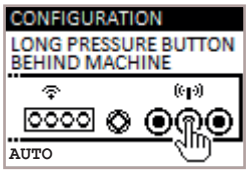
After inserting the batteries, the screen of the remote control will briefly show the Manufacturer's logo, and then it will display the list of languages available for the user interface: select your language with the up and down arrow keys ↑ ↓ and press **OK** to confirm.

In order to operate correctly, the remote control needs to be connected via radio to the electronic board of the product. For this reason, the display will show the first-installation message.



If you are using the remote control for the first time, choose **YES** with the arrow keys ↑ ↓. Press **OK** to confirm and move to the next screen.

Follow the instructions displayed on the remote control to pair it with the stove, as shown in the following figure.



To start the connection procedure, hold down the pairing button on the electronic board (the one in the centre of the three available) for a few seconds, until the orange LED starts flashing, as highlighted in the following image. The electronic board is located on the right side of the product.

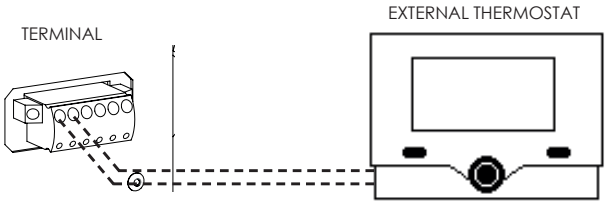
Press **OK** on the remote control (you may need to press it twice), to automatically connect the devices via the best frequency.
A check mark will appear on-screen, followed by an acoustic signal, indicating that the remote connection was successful.

When replacing the batteries, you will not need to pair your remote control again. When asked "FIRST INSTALLATION?", select **NO** and press **OK** to confirm.

In case interferences prevent the automatic association, it is possible to force a fixed channel - **CH1** or **CH2** - with the arrow keys ↑ ↓, repeating the connection procedure (i.e., inserting the batteries, and then answering **YES** to "first installation?") when the display shows the message inviting you to press the button on the electronic board, before pressing it, use the arrow keys on the remote control to choose one of the two fixed channels instead of **AUTO**. If the interference is still disturbing the connection, find its source (the device emitting it) and have it checked by its manufacturer's technical assistance.

6.2 THERMOSTAT (EXT.T) CONNECTION

If you want to manage the appliance from a different room (from which the remote control cannot work), it is possible to connect an external thermostat to the product to modulate the combustion or to control the appliance switch-on and off (this can be done by activating a specific function). As in the figure below, connect the thermostat terminals to the terminal block on the back of the product (near the emergency panel).



The external thermostat MUST operate with a "clean" or "dry", generally in closed mode, otherwise the electronic control unit will be damaged. Once connected to the power system, activate the recognition function from the SETTINGS menu (see paragraph "ENABLE EXTERNAL THERMOSTAT") to allow the control unit to recognize the presence of the external thermostat.

By activating the function that allows to enable the external thermostat, temperature management and reading will be inhibited on the remote control. If the room temperature has not yet been reached, the display shows "TON", otherwise it will show "TOFF".

6.3 FUEL LOADING

PELLETS

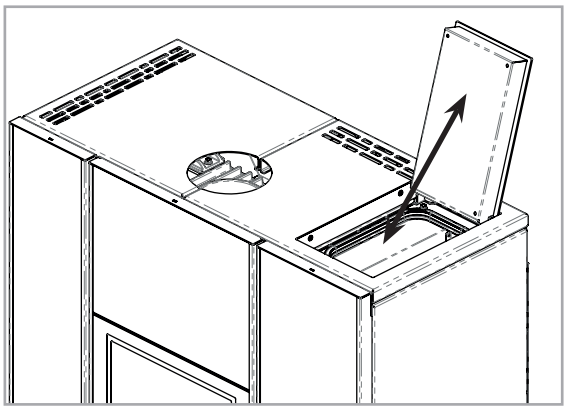
To fuel the stove, just lift the lid of the pellet tank that you can find on the top side of the product and pour the pellets into it. Verify that the bag of pellets does not fall around the edges of the tank, paying particular attention to centring while loading.

Also, pay attention to the following:

- do not let the package of the pellets come into contact with hot surfaces during operation or shortly after the product has been turned off;
- avoid dumping into the tank any residual sawdust found at the bottom of the bag of pellets.

Load pellets only when the stove is off and cold.

Make sure to close the tank lid properly after loading. FOR SAFETY REASONS, on certain models the closure is controlled electronically. If the lid is not closed correctly, an acoustic signal warns the user to close it as soon as possible. In this case the pellet loading is interrupted. Ignoring the warns will trigger an alarm.



WOOD

To fuel the appliance, insert wood logs into the hearth following the instructions illustrated in the WOOD OPERATION chapter.

7 DESCRIPTION OF THE REMOTE CONTROL

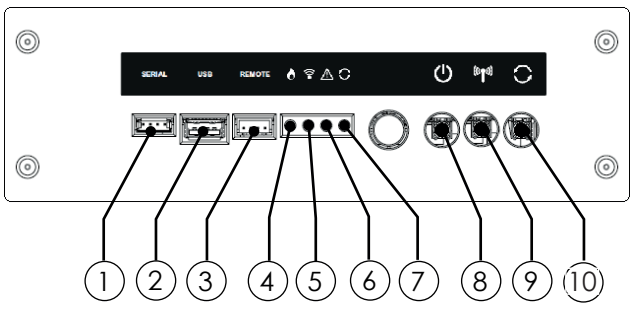
Before turning on the appliance, it is recommended to read thoroughly the following chapter on the use of the receiver, the remote control, and their related functions.

INFORMATION:

- Appliance frequency band and transmitted power as reported in the technical documents: 868.3MHz - 869.85MHz
- Frequency bands and related transmitted power limits of the device (frequencies and standardized powers): 6dBm ERP

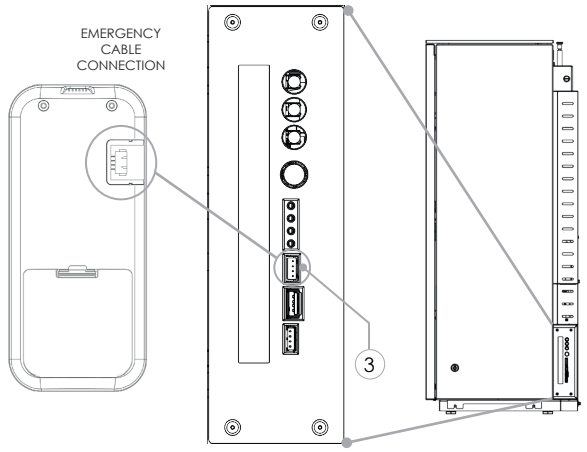
7.1 RECEIVER

The appliance is equipped with a control panel/ emergency button (located on the back of the product in most models) to manage the main functions in the event of a fault or malfunction of the remote control.



1	Serial connection (for authorised staff ONLY)
2	USB connection (use by authorised staff ONLY)
3	Emergency cable connection
4	GREEN LED - appliance operating status
5	YELLOW LED - radio communication in progress
6	RED LED - active alarm
7	BLUE LED - System update in progress
8	Appliance on/off button
9	Remote-control/radio-receiver pairing button
10	Manual update button (for authorised staff ONLY)

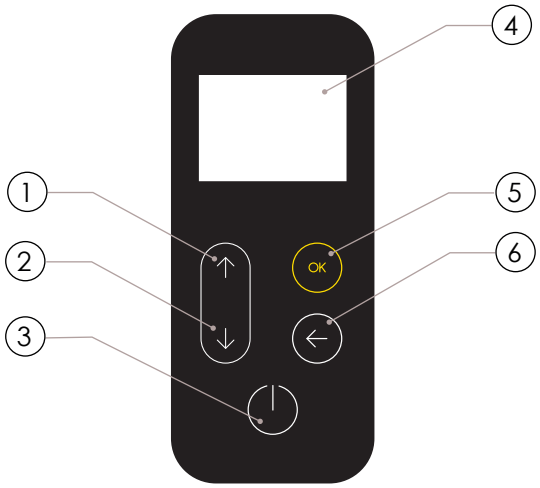
In the event of lack of signal between the remote control and the receiver, or in case of flat batteries, use the **emergency cable** (supplied with the product) to restore communication between the devices.



Before connecting to the emergency cable, remove the batteries from the remote control. **FIRE HAZARD.**

7.2 REMOTE CONTROL KEY

Below is a diagram of the remote control:



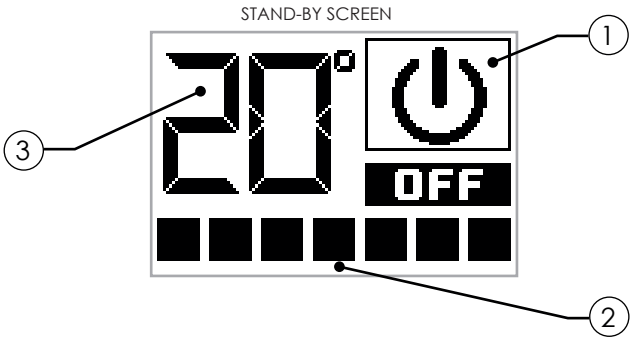
1	Increase key (selection key)
2	Decrease key (selection key)
3	ON/OFF button and "awakening" from SLEEP mode
4	Display
5	MENU access key and confirmation
6	Key to return to the previous screen

In "Sleep" mode the remote control screen is turned off, and communication with the electronic board is reduced to what is strictly necessary to save battery power.

7.3 REMOTE CONTROL FUNCTIONS

PELLETS

The screen of the remote control appears as follows:



After 20 seconds of inactivity, the display of the remote control turns dark, switching to "SLEEP" mode. Connection with the device is, nonetheless, kept active. Press ⏻ to reactivate it.

① Icon indicating the status of the appliance (see "Icon overview").

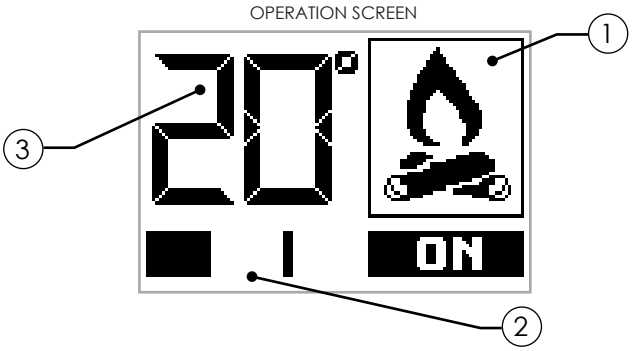
② It indicates the set working power. Furthermore, you can press the ↓ scroll key to access the stove's operating power, which can be modified using the two ↑↓ scroll keys.
Press **OK** to confirm or wait for 3 seconds: the appliance will confirm the change automatically. An acoustic signal indicates that the change was successful.

③ It shows the room temperature as detected by the probe in the remote control. Furthermore, you can press the ↑ scroll key to access the stove's temperature settings, which can be modified using the two ↑↓ scroll keys.

Press **OK** to confirm or wait for 3 seconds: the appliance will confirm the change automatically. An acoustic signal indicates that the change was successful.

WOOD

In WOOD mode, the remote control screen graphics appear as follows:



After 20 seconds of inactivity, the display of the remote control turns dark, switching to "SLEEP" mode. Connection with the device is, nonetheless, kept active. Press (1) to reactivate it.

(1) Icon indicating the status of the appliance (see "Icon overview").

(2) In wood mode, the power level depends on the supply of combustion air. You can press the ↓ scroll key to access the stove's operating power, which can be modified using the two ↑↓ scroll keys.
Press **OK** to confirm or wait for 3 seconds: the appliance will confirm the change automatically. An acoustic signal indicates that the change was successful.

(3) It shows the room temperature as detected by the probe in the remote control.You can press the ↑ scroll key to access the stove's temperature settings, which can be modified using the two ↑↓ scroll keys.
Press **OK** to confirm or wait for 3 seconds: the appliance will confirm the change automatically. An acoustic signal indicates that the change was successful.

7.4 FLAT BATTERY SIGNALLING

If case of low batteries, the remote control will display a symbol indicating their status, without disabling its functions.

As soon as the batteries are too low to allow for remote communication, the remote control will display the image of a flat battery full-screen and all the functions will be blocked until the batteries are replaced.

7.5 ICON OVERVIEW

PELLETS

(1)	(2)	(3)	MEANING
ON			SWITCH-ON
ON			FUNCTIONING
ON		MAN	FUNCTIONING WITHOUT TEMPERATURE CONTROL
RIS			ECO MODE
ON	AUTO		AUTO (see dedicated paragraph)
ON	POWERFUL		POWERFUL MODE (see dedicated paragraph)
ON			OPTIMIZED FUNCTIONING (see dedicated paragraph)
ON			BRAZIER CLEANING (where present)

①	②	③	MEANING
ON	■■■■ | |		CLEANER ON (cleaning and brazier emptying)
ECO	| | | | | |		ACTIVE COMFORT CLIMA
ON	| | | | | |		RESTART FROM COMFORT CLIMA
OFF	| | | | | |		FINAL CLEANING
OFF	■■■■ | |		OFF
OFF	■■■■ | |		NOTICE (see dedicated paragraph)
ON	| | | | | |		FLAME TEMPERATURE OVER LIMIT
ON	■■■■ | |		EXCESSIVE PELLETS LOAD
RIS	| | | | | |		PRESSURE SENSOR FAULT
RIS	| | | | | |		FLAME-READING PROBE FAULTY
ON	■■■■ | |		LOW BATTERIES
ON	■■■■ | |		SERVICE HOURS

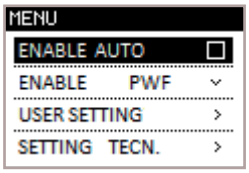
WOOD

①	②	③	MEANING
WAIT	| |		SWITCH TO WOOD MODE
ON	■ |	MAN	WOOD MODE
RIS	| |		WOOD ECO MODE
OFF	| |		WOOD-MODE FINAL CLEANING
ON	■ |		LOW BATTERIES
ON	■ |		NOTICE (see dedicated paragraph)

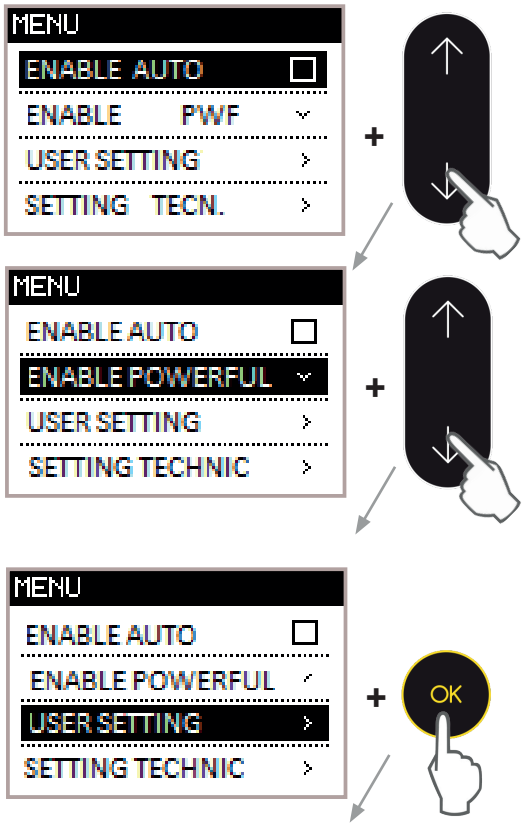
①	②	③	MEANING
RIS	| |		ADD MORE FIREWOOD (see dedicated paragraph)
ON	■ |		WARNING (see dedicated paragraph)

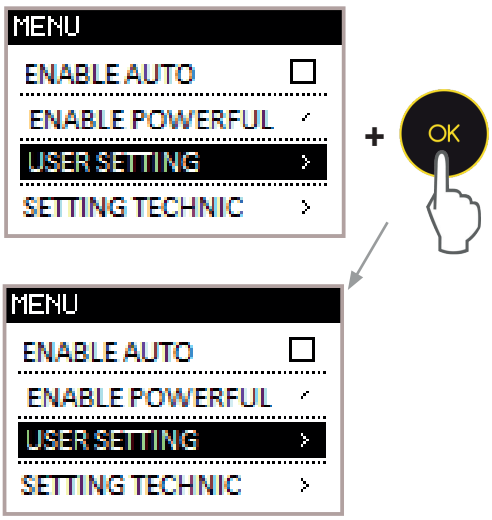
8 MENU BROWSING

To access the menu, press **OK** from the stand-by screen to browse the selection items, as illustrated in below.



Scroll the menu items using the keys ↑↓
Confirm the selection by pressing **OK**
Go back to the previous screen by pressing ←
Below is a practical example on how to browse through the menu with all the selection keys.





GENERAL INFORMATION

When switching from one menu function to another on the remote control, an animation appears as illustrated below:

This means that the remote control is communicating with the card to retrieve the information to display.

In the event of communication problems due to poor signal, lack of electrical power or failure of the electronic board, the display shows the FIELD SEARCH message and the programmed radio channel.
Move closer to the product, power it up again. In the event of a fault, contact the technical service.

When changing values, remember the following:
- press ← to return to the previous data set without saving the last change;
- if you intend to modify just one single value, after completing the change, press **OK** repeatedly until you exit the function.

Press ← repeatedly to return to the STAND-BY screen.

9 PRELIMINARY ISTRUCTIONS

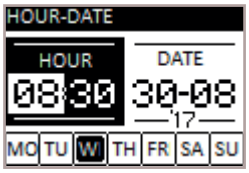
This chapter highlights a series of operations to be carried out when switching on the appliance.

9.1 DATE AND TIME SETTINGS

Here is the procedure to set date and time, useful for the programmable thermostat, equipped on the products in the range.

OPERATING PROCEDURE:
MENU > USER SETTINGS > SETTINGS > DATE-TIME

Press **OK** to access the menu.
Scroll the items up to USER SETTINGS, key ↓
Press **OK** to access the menu.
Scroll the items up to SETTINGS, key ↓
Press **OK** to access the menu.
Scroll the items up to TIME - DATE, key ↓
Press **OK** on the item HOUR - DATE
The screen to adjust the hour and date will appear, as illustrated in the figure below.



Edit the data highlighted using the keys ↑↓
Press **OK** to confirm the change.
Repeat the operation to complete the adjustments.
While editing the settings, remember the following:
- press ← to return to the previous data set without saving the last change.
- if you intend to modify just one single value, after completing the change, press **OK** repeatedly until you exit the function.

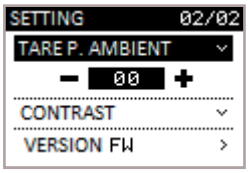
Press ← repeatedly to return to the STAND-BY screen.

9.2 ROOM PROBE SETTINGS (REMOTE CONTROL)

Below is the procedure to adjust the sensitivity of the remote-control probe, in case the value differs from the reading of a reference sample thermostat.

OPERATING PROCEDURE:
MENU > USER SETTINGS > SETTINGS > ROOM PROBE CALIBR.

Access the menu by pressing **OK**
Scroll the items up to USER SETTING, key ↓
Access the menu by pressing **OK**
Scroll the items up to USER SETTING, key ↓
Access the menu by pressing **OK**
Scroll the items up to ROOM PROBE CALIBR., key ↓
Press **OK** on ROOM PROBE CALIBR.
The screen to adjust the room probe will appear, as illustrated in the figure below.



Edit the data highlighted using the keys ↑↓
Example: The reference thermostat displays 21°C while the remote control displays 19°C.
Set +2 to display 21°C on the remote control.
Press **OK** to confirm the change.
Press ←repeatedly to return to the STAND-BY screen.

9.3 USER/AUTO MANAGEMENT

This function works as follows:

USER: 

the user can manually set the desired room temperature **and the hearth power level necessary** to reach it.

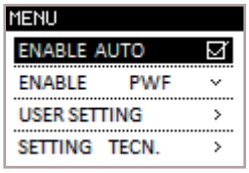
AUTO: 

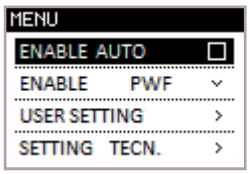
the user simply has to set the desired room temperature, the appliance will automatically manage power and the ventilation (if present and active) to reach the set temperature in the shortest time possible.

OPERATING PROCEDURE:
MENU > ENABLE AUTO

Access the menu by pressing **OK**
First menu item, ENABLE AUTO.
Press **OK** button to activate the AUTO mode (fig.1).
Do not activate it if you want to use the product in USER mode (fig.2).

① ②





This setting inhibits the manual management of the optional fan (if active). In this case, the appliance automatically manages the power to the hearth only. Ventilation remains deactivated.

The AUTO mode is ignored in wood mode; the user can always activate and deactivate it via remote control even if no changes are made to the wood mode operation. This settings take effect again when the product restarts in PELLETS mode.

9.4 ROOM TEMPERATURE ADJUSTMENTS

This function allows to adjust the temperature in the room where the product is installed.

From the STAND-BY screen, press ↑ to activate value modification.
Press ↑↓ to make changes.
Press **OK** to confirm, or wait 3 seconds for automatic confirmation.

The values range from 7°C to MAN (MAN stands for MANUAL and it means that, once set, the appliance NEVER switches to eco mode)

It is recommended to avoid setting the temperature on MAN together with the stove in AUTO mode, as the product would practically work at power 7 all the time.

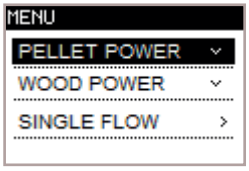
9.5 HEARTH POWER SETTINGS

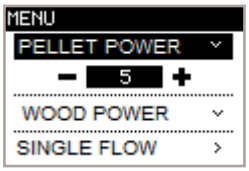
The hearth power defines the quantity of heat produced by the appliance. This implies that fuel consumption varies depending on the power level. In practice, this function is used to speed up the time needed to reach the desired temperature where the product is installed.

From the STAND-BY screen, press ↑ to change the values.
The values vary from 1 to 7 for pellets and from 1 to 3 for firewood. They are represented by black boxes visible below room temperature.

Press ↑↓ to make changes.
Press **OK** to confirm, or wait 3 seconds for automatic confirmation.

For greater flexibility, press ← to access the *quick* menu, where you can change the pellet/wood power level anytime. With this function it is also possible to view the canalization status (if installed and active).





10 PELLET MODE

This chapter highlights a series of operations to be carried out when switching on and using the appliance with pellet fuel.

10.1 PRODUCT SWITCH-ON/OF

To turn on the product, hold the button pressed until you will see the screen below, followed by an acoustic signal.

Once the mechanical cleaning process of the brazier has been completed, the stove begins the actual lighting phase.

The display will show the following screen during the phases below:

IGNITION - Initial pellet-loading phase.
WAITING FLAME - Flame-development waiting time.
FLAME PHASE - Flame-stabilization phase.

If a flame-shaped icon with the wording ON appears on-screen without indicating the working power, it means that the stove is in one of these 3 phases. Subsequently, the stove will start working and the power level will be highlighted on-screen as well. The following example shows a level 7 operating power levels.

To **TURN OFF** the stove, simply keep the button pressed for a few seconds: the stove will carry out the final cleaning (the start of the operation is accompanied by an acoustic signal) and will cool down before switching OFF. The following figures show the final cleaning and the OFF status.

When the product is switched on for the first time, unpleasant odours or fumes may be generated due to the evaporation or drying of some of the materials used. Such phenomenon will disappear after a few hours of use. During this period, **it is advisable to keep the premises well ventilated.**

10.2 FUNCTIONING (PELLET MODES)

Like all other Nobis' pellet products, Unica has 7 operating powers. The power level is represented by 7 black squares which are displayed below room temperature.

Below you can find the behaviour of the appliance once room temperature has been reached as per settings.

10.3 ECO MODE

During operation, the appliance works with the aim of reaching the room temperature as per settings. When this condition has been met, the power is reduced until entering into ECO MODE, a phase in which the supply of combustion air is reduced to a value which is lower than P1.

At this point, a series of clarifications is necessary to explain how you can benefit from the AUTO function switch to eco mode and/or return to standard operation:

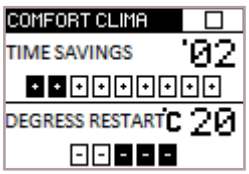
- The ventilation system, if present and active, works at different speeds, depending on the difference between the temperature which has been set on the remote control and the actual room temperature as detected by the room probe;
- The appliance gradually increases the hearth's power as soon as room temperature drops below the set value (optimization of combustion/ consumption and acoustic comfort).

10.4 COMFORT CLIMA

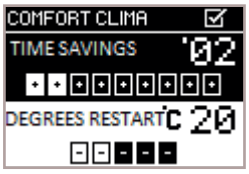
As described in the "saving mode" paragraph, the appliance aims to satisfy the user thermal comfort. Also, if the building has a good energy class, this function ensures fuel savings thanks to the automated switch-on/off.
Below you can find the instructions to activate the function and how to make adjustments, followed by a practical example.

OPERATING PROCEDURE:
MENU > USER SETTINGS > SETTINGS > COMFORT CLIMA

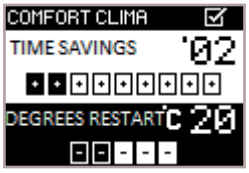
Access the menu by pressing **OK**
Scroll the items up to USER SETTING, key ↓
Access the menu by pressing **OK**
Scroll the items up to COMFORT CLIMA, key ↓
Access the menu by pressing **OK**



The cursor is positioned on the line that allows the activation and deactivation of the function (key **OK**).
In case of reactivation of the function settings previously programmed according to your preferences, just press **OK** and then ← to confirm and return to the menu.



Press ↓ to move to the second line, where you can choose the minutes in which Unica will work in modulation - ECO - to ensure that the desired room temperature is reached before turning off. Use the ↑↓ keys to change the value, then press **OK** to confirm.
The value default setting is 4 minutes; you can choose from 0 (zero) - immediate switch-off - to 9 minutes.
The cursor will move to line 3, where you can choose the temperature difference (with respect to the Comfort temperature chosen), below which you want Unica to switch back on. The default value is -3°C; you can reach up to a temperature difference of -5°C.



Press ↑↓ to make changes and **OK** to confirm**.** Once the choice has been confirmed, the remote control will return to the menu screen.
You can wait for the remote control to turn off or just press ← repeatedly to return to the Stand-by screen.

It is recommended to choose at least 2 °C, preferably 3 °C, degrees of difference to turn the product back on. We remind you that the room probe is located inside the remote control. Therefore, do not leave it near the stove or near a door or window, where possible sudden changes in temperature would cause Unica to switch back on sooner than necessary.

When switched off in COMFORT CLIMATE mode, the remote control will display the following:

When switched back on again in COMFORT CLIMA mode, the remote control will display the following:

PRACTICAL EXAMPLE:
desired temperature (room settings): 21 °C;
minutes in eco mode: 3;
temperature difference needed to restart: -2°C (compared to 21°C).

When the temperature detected by the remote control reaches 21°C, after 3 minutes in eco mode, the appliance switches off.
The product will turn on again when the probe in the remote-control detects a temperature of 18°C (21°C - 2°C - 0.5°C tolerance).

It is possible to use this function by connecting an external thermostat as illustrated in the specific paragraph. We remind you that after connecting the thermostat, Unica must be turned on manually for the first time to activate the T-On/T-Off automatism with Comfort Clima active, and to turn the product off and on again according to the thermostat programme.

The activation of the "Comfort Clima" function could cause the product to switch-on/off several times during the day, especially if the temperatures chosen favour this. This could compromise the life of the ignition resistor, which has a limited warranty.

In **wood** mode this option is not active.
When back to pellets operation, and with the various possibi*lities offered, if the temperature detected by the remote control is above the value chosen in the temperature settings, Unica will not turn on, switching directly to Eco Stop mode instead. The product will then wait for the temperature in the room to decrease before restarting*. This option is intended to encourage further saving of pellets to reduce pollutants.

10.5 'POWERFUL' FUNCTION

The function sets both hearth and ventilation system to maximum power, even if the ventilation has been deactivated.
The aim is to deliver maximum heat for a

predetermined time depending.

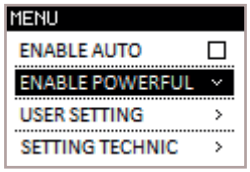
There is the possibility activate the *POWERFUL function* within a special time band. This is useful in places with, e.g., subjected to very cold climates. This option does not switch on the stove, but can work within a time programme or else it can be activated manually.

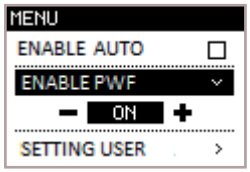
If Powerful is active

- In ECO mode: The Powerful function works for 5 minutes and then returns to eco mode (modulation).
- Normal OPERATION: the Powerful function remains active until room temperature is reached as per settings. After that, the stove switches to eco mode.
- TIME BAND - CHRONO: the Powerful function remains activate for the time established by the time programme. After that, the stove will either switch to eco mode or normal operation.

OPERATING PROCEDURE 1:
MENU > ENABLE POWERFUL

Access the menu by pressing **OK**
Scroll the items up to ENABLE POWERFUL, key ↓
Press **OK** to display the option string.



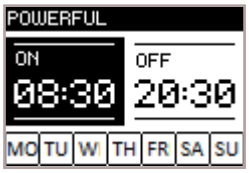


Choose the type of activation with ↑↓:
OFF - deactivated
ON - active
CRONO - active within a time slot

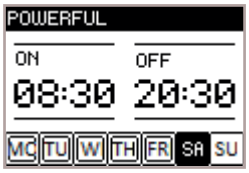
OPERATING PROCEDURE 2:
MENU > USER SETTINGS > SETTINGS > POWERFUL

Access the menu by pressing **OK**
Scroll the items up to USER SETTING, key ↓
Access the menu by pressing **OK**
Scroll the items up to SETTINGS, key ↓
Access the menu by pressing **OK**
Scroll the items up to POWERFUL, key ↓
Press **OK** on POWERFUL to access the function

The screen with the settings will appear as in the figure below.



Press ↑↓ to edit the switch on/off times, and activate the days of the week.



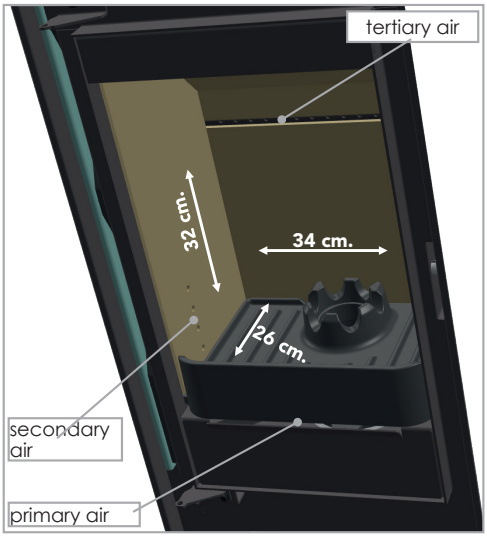
Press **OK** to confirm any change until exiting the settings menu.

By setting Powerful to ON the set time band is inhibited. Set CHRONO to enable it.
The Powerful function, when enabled with ON or CHRONO, deactivates the AUTO function.

The Powerful function is not active during operation in wood mode.

11 WOOD BURNING

This chapter highlights a series of operations to be carried out when switching on and using the appliance with firewood.



11.1 WOOD MODE

UNICA is a dual-fuel stove which allows you to conveniently take advantage of the flame produced by the pellets to light the firewood.
UNICA is an extremely versatile stove which gives you the possibility to, e.g., either load wood logs and light the flame via pellet ignition or light the firewood manually and manage combustion

automatically, without the need for any adjustment lever.

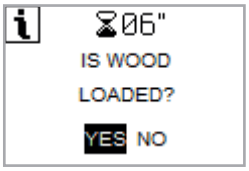
RECOMMENDED

Below you can find some tips to make the best out of your Nobis stove and burn wood correctly.

To switch on the product in pellets mode, follow the instruction in the PELLETS MODE chapter. Remember to set a power level at least equal to or greater than 5 until Unica enters into full operation and has heated the hearth as best as possible. This takes at least 30/40 minutes after ignition with pellets.

You can burn wood in higher-than-ideal humidity levels as long as the product and the fume exhaust system are both properly heated. This can significantly reduce potential negative effects on the product, and permits the short-term use of wood that has been found in an emergency and that, as a consequence, may not have fully dried. **THIS SHOULD NOT BE INTERPRETED AS AN AUTHORIZATION TO BURN THE PROHIBITED FUELS LISTED IN CHAPTER 2!**

By opening the door, Unica "interprets" that the user is going to load wood. When closing the door, the remote control will beep for 30 seconds, and a message asking for confirmation to insert wood will appear on the screen. Being in an "active phase", UNICA interprets the lack of response to the message as a **YES** , starting the wood-lighting process in order to switch to wood mode.



The **NO** option was added in case of intervention by an authorized technician's. In the rare event that you need to open the door WITHOUT loading wood, remember to ALWAYS answer **NO** TO THE QUESTION.
Once you switch to "Wood Mode", the message won't be displayed when opening the door to add further firewood.

If transition to "wood mode" has not been completed yet (i.e., time and temperature not yet reached), the message "Wood present?" will appear every time you open the door, if you did not reply to the question during the previous loading operations.

With the exception of firewood loading, there are no other good reasons why the user should open the product's door when in pellets mode: risk of fire or burns.

From firmware version 008, failure to respond to the question "wood present?" during non-active phases (such as **OFF**, **ECOSTOP** and **ALARM**) is interpreted by the system as **NO**, contrary to what happens when the product is in an active phases. This is because, when the product is turned off, or when an alarm is active, the user usually opens and closes the door to clean the cast iron shelf, or to check what triggered the alarm.

The user has **60 seconds** (marked by an acoustic signal indicating that the door is open) to load wood before the appliance triggers an alarm. Remember that, for safety reasons, opening the door during operation will interrupt the pellet load, as this is a pellet product that works with a predetermined load.

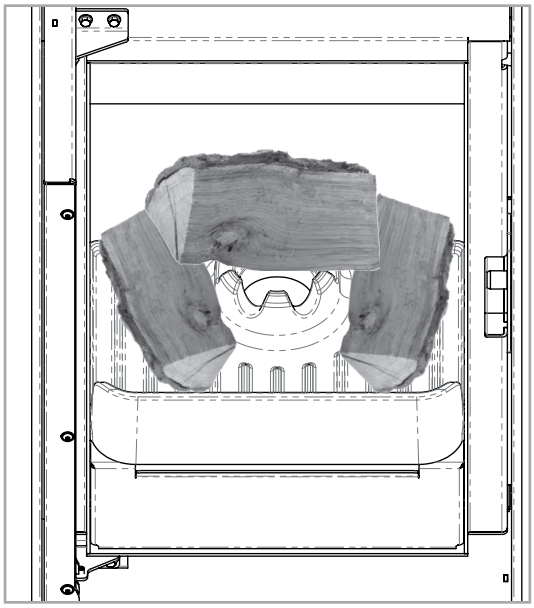
In case of wood ignition by means of the flame developed with pellets, always use a sufficient quantity of firewood (at least 3 logs respecting the maximum permitted load) to allow the system to quickly switch from pellet to wood operation.

Use good quality wood. Do not use whole logs: split at least in half and never exceed 25cm in length and 2.5kg in weight.

DO NOT OVERLOAD THE PRODUCT AND FOLLOW THE RECOMMENDATIONS ON TYPE AND QUANTITY OF WOOD TO BE USED!
Always open the door using the specific lever supplied with the product. To avoid the flame to backfire towards the user and the surrounding environment, do not open the door suddenly. Carry out the operation slowly and with due caution: risk of fire or burns.
When the door is opened, Unica speeds up the smoke extractor. In this way, negative pressure is created to prevent smoke from escaping during the reload operation. Before opening the door completely, wait a few seconds for the extractor to reach the necessary speed.
Using heat protectors, carefully load the wood into the hearth. Avoid slamming violently the logs against the vermiculite that lines the combustion chamber, **so as not to break it.**

Keep a fireproof glove and some firewood stored in a log holder next to the product to ease and speed up loading operations. To ease the ignition of the firewood, place the logs properly inside the hearth.

Below you can find a ***practical example*** .



Always place the logs on the grill next to the crown, with the bark facing downwards, and place the third log with the bark facing upwards, raised on the crown, for an easier development of the flame.

Thanks to its advanced technology, Unica ensures intelligent combustion of the firewood. When the hearth reaches the right temperature (as per laboratory default settings), Unica switches to the working power selected by the user.

If the development of the flame is not sufficient to guarantee combustion, no intervention is necessary on the part of the user, as the product is equipped with a system able to restore optimal combustion automatically.
In the event of a request of reignition with pellets (see chapter 11.3 CHOOSING WHEN TO SWITCH TO PELLETS MODE), if the flame tends to go out completely, Unica carries out an ignition with the same logic dedicated to igniting the previously loaded wood.

If inserting a log of wood larger than the recommended dimensions is made necessary (in any case never more than 2.5kg and no more than 30cm), make sure to load it after obtaining a suitable bed of embers, paying attention to the positioning of the log inside the hearth, so as not to damage the vermiculites and avoid ignition/ combustion problems.

11.2 FIREPLACE POWER SETTINGS

The hearth power defines the quantity of heat produced by the appliance. This implies that fuel consumption varies depending on the quantity of wood introduced, the type (beech, fir, etc.) and the degree of humidity. When in wood mode, changing the power affects the air supply, and the firewood will burn more or less slowly as a result.

From the STAND-BY screen, press ↑ to change the values.
Values range from 1 to 3. They are represented by black boxes visible below room temperature.

Press ↑↓ to make changes.
Press **OK** to confirm, or wait 3 seconds for automatic confirmation.

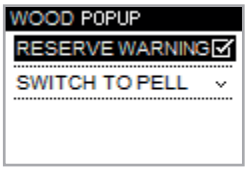
During operation, the appliance works with the aim of reaching the room temperature as per settings. When this condition has been met, the power is reduced until entering into eco mode, a phase in which the supply of combustion air is reduced to a value which is lower than P1-Hold.

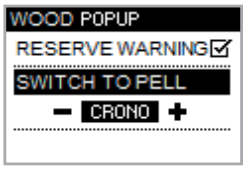
The AUTO mode is ignored in wood mode; the user can always activate and deactivate it via remote control even if no changes are made to the wood mode operation. This settings take effect again when the product restarts in PELLETS mode.

For greater flexibility, press ← to access the quick menu**,** where you can change *the* pellet/wood power level anytime. With this function it is also possible to view the canalization status (if installed and active).

11.3 CHOOSING WHEN TO SWITCH TO PELLET MODE

Unica allows the user to choose how the system should behave once you decide not to load more wood.
There is a dedicated item in the user menu: user settings > settings > **wood pop-up**.





WOOD ALERT

This function allows you to activate or deactivate the automatic sound warning "Reload wood". Unica signals to the user (this is also visible on the display) the best time to add wood once the previous load has been completed, to ensure the correct bed of embers.
With the "Wi-Fi module" and "Pop up" signals correctly configured on the home router and smartphone, a notification is sent to the user's device upon request to load wood.

If, for any reason, you do not hear the "Wood alert" signal, Unica will wait for the temperature to decrease and then it will start the final cleaning. If the user thinks that there are still enough embers for the development of the flame, more firewood can be added without the need to confirm its presence, as explained previously.

If you are not loading any more firewood, when asked "Wood present?" answer NO. Unica will interrupt any search for fuel and move to the "Final cleaning".

SWITCH TO PELLET MODE

If no more fuel is added after the "Wood alert" message, at the end of the final cleaning, Unica allows you to choose the following options:

1. **CHRONO** (default setting) - heating in pellets mode continues only within a time slot as programmed with the chronothermostat.
2. **NEVER** - The product shuts down like a normal wood-burning product.
3. **ALWAYS** - The product switches to pellets automatically.

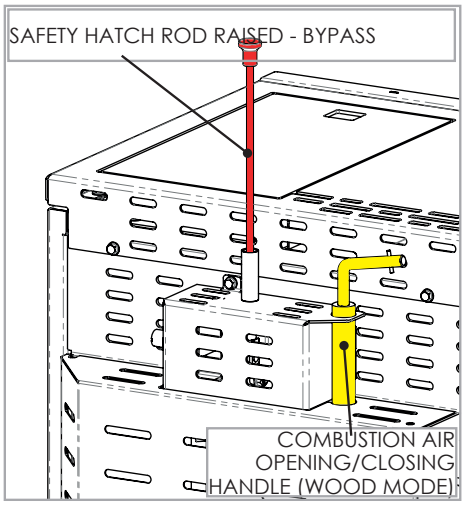
PROGRAMMED SWITCHOFF

To ensure even more flexibility, we introduced the "Scheduled shutdown" function for the "Wood mode", regardless of the adjustments set in "Choosing when to switch to pellets mode", as seen previously.
Long press the power button to schedule the product shutdown.

The scheduled shutdown is valid ONLY for the current operating phase. Therefore, in case, after a few hours from switching off, a time program requires the product to turn back on and subsequently to switch to wood mode (after loading wood), Unica continues to consider the settings given in "Choosing when to switch to pellets mode".

11.4 BLACKOUT

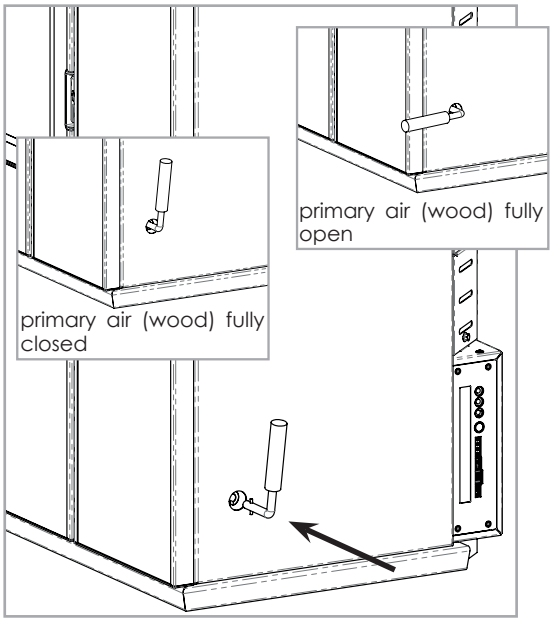
If a blackout occurs when Unica is in wood operation, the safety valve (kept closed by an electromagnet) will open expel the smoke from the hearth without perceptible variations in combustion.
The following figure shows the raised rod, which signals that the safety hatch is open (BYPASS).



The BYPASS system is controlled by a microswitch which, when power is restored, will warn (via the remote control) the need to push the lever down into its original position to close the bypass hatch.

ONLY in the absence of electricity, the user has to operate Unica by using the handle positioned next to the BYPASS system rod to adjust the supply of primary air.

Insert the handle into the hole at the base of the right side, as shown in the figures below. You must use the handle both when loading wood (to allow the flame to develop as quickly as possible), and when adjusting combustion.



Since this is a safety measure in case of blackout, you may notice no difference in the combustion after moving the manual valve, as the position of the automatic valve may hinder the air supply. The device must always be open when loading wood.

Moreover, the manual valve to adjust combustion air in wood mode is equipped with a microswitch that signals the "open" status on the remote control as soon as the electricity supply is restored.

Both the BYPASS valve and the MANUAL VALVE FOR PRIMARY AIR WOOD MODE must be **CLOSED** to restore normal operation when the power is back on. ***ALWAYS close the manual valve of the PRIMARY-AIR first, and then lower the rod to close the BYPASS safety hatch.*** If the two valves are open, the smoke motor DOES NOT START for safety reasons, as the smoke duct is open, as is the ducting fan, if installed.

To avoid serious damages by overheating (forge effect) - **not covered by any type of warranty**, do not leave the manual valve for primary air completely open when the product is working with the generator, i.e, without electricity.

11.5 FURTHER IGNITION MODES

COLD START

For all wood-burning operation modes and firewood loading, refer to chapter 11.1 and following.

You can also start Unica by placing the wood into the hearth when the product is off (see the section on how to insert wood into the combustion chamber) and then start the ignition cycle in pellets mode, after answering (**YES**) to the question "Wood present?". In case the user answers NO or else does not answer at all, Unica starts in pellets mode, **AS EXPLAINED** in the specific paragraph.

If you intend to use the following start-up mode (wood mode from the start) via pellet ignition programmed by means of a programmable **thermostat**, ALWAYS check that there are no burning embers left under the ash from the previous wood combustion.
The ash keeps the embers hot for several hours and, if you are not extremely careful, it is possible that the wood positioned for delayed lighting may catch fire before the time set by the user.

MANUAL IGNITION

Unica can be lit like a normal wood-burning product, with no need of pellets. When the stove is OFF, load the fuel into the hearth **and close the door**. After that, it is mandatory to answer (**YES**) to the question "wood present?" Load the stove following the example below, taking care to position the igniter(s) on the top of the pile of wood logs.

When you answer **YES** to the question "wood present?", Unica memorizes the load of wood and, approximately **1 minute** after closing the door, it detects the increase in temperature in the hearth and automatically starts the engine to expel the smoke, thus favouring combustion and optimizing operation in wood mode.

For safety reasons, if the user mistakenly answers **NO**, or else fails to answer at all, Unica starts a FINAL CLEANING cycle without switching to wood mode. It is always possible to open and close the door again to display the question "Wood present?" once more and answer YES.

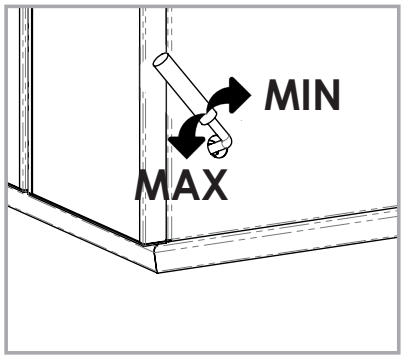
IGNITION IN THE ABSENCE OF POWER

To use Unica as a normal wood-burning product, without electricity, load and light the wood as described in the paragraph IGNITION WITH

MANUAL IGNITER and use the primary-air handle To Adjust Combustion, as illustrated in chapter 11.4 "Blackout".

Unica allows the opening and closing of the primary combustion air via an extractable handle, while secondary and tertiary air, being mechanically predetermined, ALWAYS oxygenate the flame.

Combustion is efficient and "clean" when the flame looks pale yellow. If the flame tends towards red, or black smoke is found in the combustion chamber, you must turn the valve towards MAX to increase the supply of oxygen into the combustion chamber. Conversely, if the flame is burning bright and is bright yellow, turn the valve towards MIN to find ideal combustion.



12 USER SETTINGS

This chapter illustrates the functions best operate the product and get the most out of it.

12.1 VENTILATION

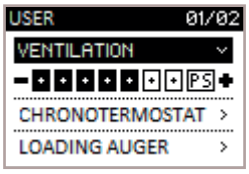
NOBIS' products, both hermetic and natural-convection stoves, guarantee a great heating experience, and in total absence of noise, as they work without forced ventilation.

This allows maximum flexibility of use: the stove can work at a fixed speed (from 1 to 7 regardless of the stove power) or linked to the stove power, chosen with the remote control (PS) or deactivated (0 zero).

OPERATING PROCEDURE:
MENU > USER SETTINGS > VENTILATION

Access the menu by pressing **OK**
Scroll the items up to USER SETTING, key ↓
Access the menu by pressing **OK**
Press **OK** on the first menu item, "VENTILATION"

The screen with the settings will appear as in the figure below.



Press ↑↓ to make changes:
0 - deactivated, natural convection only
1 - 7 - always active at fixed speed
SP - activated, following the stove power (SP = stove power)

Press **OK** to confirm.
Press ← repeatedly to return to the STAND-BY screen.

In **WOOD** mode, the operation relating to ventilation does not change.

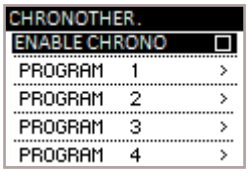
12.2 PROGRAMMABLE THERMOSTAT

Thanks to the Chronothermostat function, you can program the stove to automatically switch on and off each day of the week by setting up to 4 independent time intervals (PROGRAM 1 - 2 - 3 - 4).

OPERATING PROCEDURE:
MENU > USER SETTINGS > PROGRAMMABLE THERMOSTAT

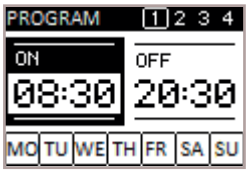
Access the menu by pressing **OK**
Scroll the items up to USER SETTING, key ↓
Access the menu by pressing **OK**
Scroll the items up to CHRONOTHERMOSTAT, key ↓
Access the menu by pressing **OK**

The screen with the settings will appear as in the figure below.



Press **OK** to move the cursor on the activation/ deactivation line. When a check mark appears in the square, the chronothermostat is activated. Press **OK** again to deactivate it.

To use the programmable thermostat, you need to first activate it and then configure at least one of the 4 programmes.
Press ↓ to choose the program that you want to set, then press **OK** to access the settings.



Press ↑↓ to edit the switch on/off times, and activate the days of the week.
Press **OK** to confirm and move to the second screen of the CHRONO program.

In the second screen, you have the possibility to set the operating power, the room temperature and the fan speed for the programmed time band.

Edit the values using the keys ↑↓.
Press **OK** to confirm any change until exiting the program.

The same applies when you want to use the programmable thermostat for the first ignition in wood mode with firewood already loaded - see COLD IGNITION.

12.3 LOADING AUGER

This function aims at easing the ignition phase of the appliance by correctly filling the auger with pellets before first start, after ALARM 03 (pellets exhausted), and after each thorough cleaning cycle of the pellet tank (for the latter, see "Ordinary maintenance").
Check that the pellets are well placed inside the tank and that the appliance is OFF or in "FINAL CLEANING" status before activating this function.
The number expressed in seconds indicates the rotation time of the auger while loading.
Once this time has passed, the auger stops automatically.

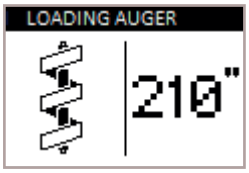
After the initial loading phase, a POPUP appears on the remote control display which will remind you to vacuum the pellets from the brazier. This measures PREVENTS the pellets from being poured into the ash drawer when, during the ignition phase, the plate turns upside down (automatic cleaning). As a matter of fact, the pellets poured into the ash drawer can catch fire when the product is working. This will result in poor combustion. Moreover, it will damage the ash drawer.
Always vacuum the brazier using an ash vacuum cleaner. FIRE HAZARD

You can now turn on the appliance via remote control.

OPERATING PROCEDURE:
MENU > USER SETTINGS > AUGER LOADING

Access the menu by pressing **OK**
Scroll the items up to USER SETTINGS, key ↓
Access the menu by pressing **OK**
Scroll the items up to AUGER LOADING, key ↓
Access the menu by pressing **OK**

The cleaner (for models equipped with automatic cleaning), and the loading auger are activated. The countdown will appear on-screen: when it gets to zero, it means that the loading operation is complete and the auger stops.



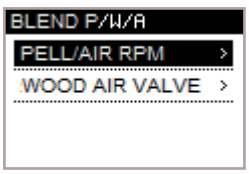
At the end of the loading operation the display will return to the USER SETTINGS menu.

12.4 PELLET/WOOD/AIR INTAKE RATIO

PELLETS/AIR RPM

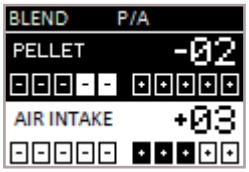
This function allows you to safely vary the percentage of pellets loaded into the brazier during operation and/or change the quantity of combustion air introduced through the appropriate inlet, usually located on the back of the product.
To improve combustion, if necessary, it is recommended to increase or decrease the quantity of combustion air as needed. If this is not enough, then it will also be necessary to change the pellet load.
The variation directly affects the values stored in the electronic system. The user can control these values in full transparency. These values are obtained using a DIN Plus certified pellet. If you use a different type of pellets, it may be necessary to use this function to optimize combustion.

OPERATING PROCEDURE:
MENU > USER SETTINGS > P/W/A RATIO > P/W/A RPM

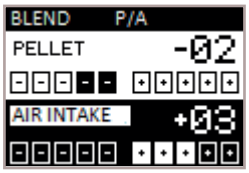


Access the menu by pressing **OK**
Scroll the items up to USER SETTINGS, key ↓
Access the menu by pressing **OK**

Scroll the items up to P/W/A RATIO, key ↓
Access the menu by pressing **OK**
Press **OK** to access the function



Press ↑↓ to change the pellet load.
The values vary from -5: reduction in pellet load in %
to +5: increase in pellet load in %
Confirm by pressing **OK** and move to the air intake settings.



Press ↑↓ to change the air intake.
The values vary from -5: reduction in pellet load in %
to +5: increase in pellet load in %
Press **OK** to confirm. The screen will automatically go back to the USER SETTINGS screen.

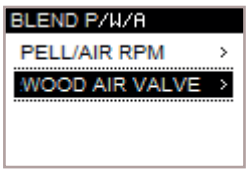
Pay particular attention when changing the values in this menu, as the product can be severely damaged.

The example above shows a % decrease of -2 PELLETS and +3 AIR;
such a setting derives from a lack of oxygen in the combustion chamber and by the fact that the pellet size is 2 cm smaller than the average.

AIR-WOOD VALVE

This function allows you to act on the oxygenation automatic valve to increase or decrease the quantity of combustion air. **Use only in the event of poor combustion** due to the type of firewood and the degree of humidity (if type and values differ from those indicated to chapter 2):

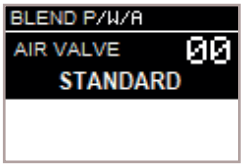
OPERATING PROCEDURE:
MENU > USER SETTINGS > P/W/A RATIO > AIR-WOOD VALVE

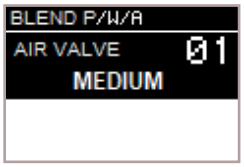


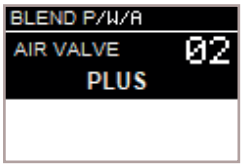
Access the menu by pressing **OK**
Scroll the items up to USER SETTINGS, key ↓
Access the menu by pressing **OK**
Scroll the items up to P/W/A RATIO, key ↓
Access the menu by pressing **OK**
Select AIR-WOOD VALVE, key ↓, then press **OK**

Select a value between 0 and 2. The value 0 refers to the default setting, and 2 represents the maximum amount of combustion air.

- **STANDARD 00** - slow flame / *high-quality firewood* corresponding to the characteristics listed in Chapter 2. The wood used guarantees the longest burning time possible.
- **MEDIUM 01** - lively flame / wood with moisture content slightly higher than required. The wood burning time is shorter.
- **PLUS 02** - much brighter flame / wood with a humidity percentage much higher than required. The wood burning time is greatly reduced.







Press ↑↓ to change AIR values, press **OK** to confirm.

The more air supplied to the wood, the quicker it burns. Therefore, carry out some tests first to see which configuration best meets your needs, in terms of type of firewood. The aim is to maximize the logs' burning time: this will reduce emissions, and will save fuel.

NEVER USE wood containing humidity percentages much higher than those described in Chapter 2, as this will damage both the stove's body and the combustion chamber, which are not covered by the limited warranty of 24 months from purchase. The functions have been designed for emergency cases, where the product can still be used for short periods.

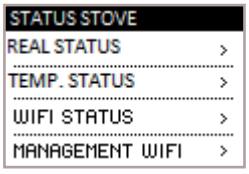
12.5 STOVE STATUS

In the stove status menu, it is possible to view a series of information on the operation of the appliance, e.g., operation values, the main motors' RPMs, and operating temperatures. Moreover, if the Wi-Fi module is connected to the stove, you can also check the operating status of the module and its management system; see the Wi-Fi manual for further details on these two items. This menu is mainly designed for the technical assistance service.

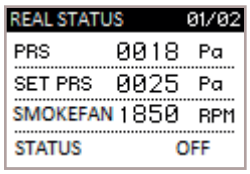
OPERATING PROCEDURE:
MENU > USER SETTINGS > STOVE STATUS

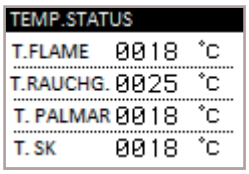
Access the menu by pressing **OK**
Scroll the items up to USER SETTING, key ↓
Access the menu by pressing **OK**
Scroll the items up to STOVE STATUS, key ↓

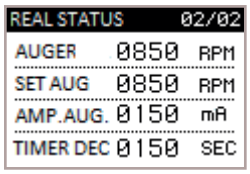
Access the menu by pressing **OK**



Press ↑↓ to select the type of screen you want to display
Press **OK** to access the submenus.







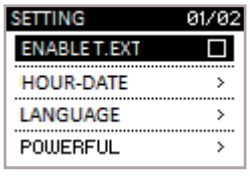
12.6 ENABLE EXTERNAL THERMOSTAT

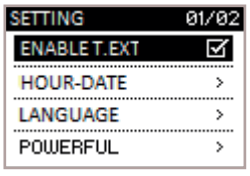
The following paragraph explains how to activate the programmable thermostat (not supplied) once connected to the stove, as illustrated in the paragraph "T.EXT THERMOSTAT CONFIGURATION".

OPERATING PROCEDURE:
MENU > USER SETTINGS > SETTINGS > ENABLE EXT. T

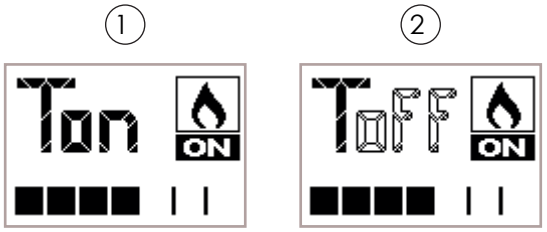
Access the menu by pressing **OK**
Scroll the items up to USER SETTINGS, key ↓
Access the menu by pressing **OK**
Scroll the items up to USER SETTING, key ↓
Access the menu by pressing **OK**
ENABLE T.EXT. is the first item on the menu

Press **OK** to confirm and activate the external thermostat. In this way, room temperature will be detected and managed by the external thermostat and not by the probe in the remote control. To deactivate it, press **OK** once again after selecting ENABLE T.EXT.





After activating this function, instead of room temperature, the following information will be displayed on the remote control:
- **Ton - (1)** the external thermostat is signalling to the stove the need to heat the room again;
- **Toff - (2)** the thermostat has signalled to the stove that the desired room temperature has been reached.



From this moment the commands for modulation (SAV), or temporary stop (COMFORT CLIMA) will be given via the t.ext and not via remote control.

Nothing changes in WOOD operation.

12.7 LANGUAGE

You can customize the remote control interface by selecting the desired language according to your preferences.

OPERATING PROCEDURE:
MENU > USER SETTINGS > SETTINGS > LANGUAGE

Access the menu by pressing **OK**
Scroll the items up to USER SETTINGS, key ↓
Access the menu by pressing **OK**
Scroll the items up to USER SETTING, key ↓
Access the menu by pressing **OK**
Scroll the items up to LANGUAGE, key ↓
Access the menu by pressing **OK**

Select the language by pressing ↑↓.
Press **OK** to confirm.
Press ← repeatedly to return to the STAND-BY screen.

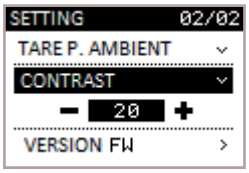
12.8 CONTRAST

In the user settings, you can also adjust the screen contrast.

OPERATING PROCEDURE:
MENU > USER SETTINGS > SETTINGS > CONTRAST

Access the menu by pressing **OK**
Scroll the items up to USER SETTINGS, key ↓
Access the menu by pressing **OK**
Scroll the items up to USER SETTING, key ↓
Access the menu by pressing **OK**
Scroll the items up to CONTRAST, key ↓
Access the menu by pressing **OK**

Press ↑↓ to adjust the contrast.



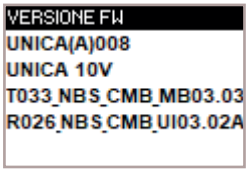
Press **OK** to confirm the change. The remote control will display a confirmation message, and then it will return to the SETTINGS menu.

12.9 FIRMWARE VERSION

This submenu is almost exclusively reserved for technical service. Here you can view detailed information about the firmware version installed on the product's motherboard.

OPERATING PROCEDURE:
MENU > USER SETTINGS > SETTINGS > FW VERSION

Access the menu by pressing **OK**
Scroll the items up to USER SETTINGS, key ↓
Access the menu by pressing **OK**
Scroll the items up to USER SETTING, key ↓
Access the menu by pressing **OK**
Scroll the items up to FW VERSION, key ↓
Access the menu by pressing **OK**



Press **OK** or ← to go back to the SETTINGS menu.

12.10 ANTICONDENSATION

Once activated, this function guarantees that the flue gas temperature remains above condensation temperature.

Condensation in the exhaust pipe is caused by the product being used at low powers, generally P1 or P2. Because the vast majority of the heat produced is exchanged with the environment (in compliance with high levels of efficiency demanded by contemporary anti-pollution rules), exhaust temperature has been greatly reduced. As a consequence, the exhaust fumes are expelled at a temperature which is too low to avoid condensation if the product is not used correctly, that is at the nominal power (P7) or at one slightly lower.

Moreover, failure to comply with the laws for product installation and the use of fuels other than those described in chapter 2 can cause condensation in the flue exhaust as well.

Pay particular attention to any formation of condensation in the exhaust pipe, as it could severely damage the product. In this case, the damages are not covered by the 24-month European warranty on manufacturing defects.

Remember that the anti-condensation system, once activated, only comes into operation when smoke is too cold in the exhaust, protecting the product from possible severe damage.

OPERATING PROCEDURE:
MENU > USER SETTINGS > SETTINGS > ANTICONDENSATION

Access the menu by pressing **OK**
Scroll the items up to USER SETTINGS, key ↓
Access the menu by pressing **OK**
Scroll the items up to USER SETTING, key ↓
Access the menu by pressing **OK**
Scroll the items up to ANTICONDENSATION, key ↓
Press **OK** to activate/deactivate the function

When this function is activated, the flame-shaped icon displayed on the remote control is replaced by a **drop-shaped** icon as soon as the system detects low temperature in the exhaust pipe. As the smoke temperature rises, the flame icon is restored on-screen and the anti-condensation system deactivated.

This function is inhibited while in wood operation.

13 DUCTING (Optional)

If you need to heat a room adjacent to the one where Unica is installed, it is possible to install a single ducting kit, even after purchasing the product. Contact your retailer for further information.

You can find the space for the installation of the ducting kit on the left of the product (looking at Unica from the front). The channel outlet can be either on the side or on the back of the product, where you will find pre-cut sheets. Please refer to chapter 3.9 for installation instructions.

13.1 SINGLE DUCTING

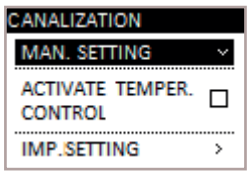
Ducting options are explained below:
- manual (off, fixed speed, linked to the stove operating power)

• with temperature control - with room probe and external thermostat (not supplied).

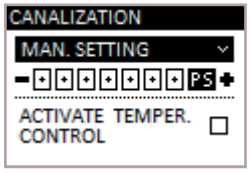
OPERATING PROCEDURE:
MENU > USER SETTINGS > CANALIZATION

Access the menu by pressing **OK**
Scroll the items up to USER SETTINGS, key ↓
Access the menu by pressing **OK**
Scroll the items up to "CANALIZATION", key ↓
Press **OK** to access the CANALIZATION menu

The screen with the canalization settings will be displayed, as in the figure below.



To manually manage the ducting, press **OK** on MANUAL SETUP:



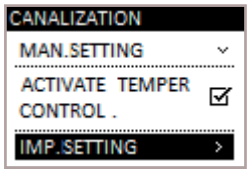
MANUAL SETTINGS

0 fan deactivated;
1-7 fixed speed settings, which are independent from the power supplied to the hearth;
PS The ventilation speed follows the hearth power.

ENABLE TEMPERATURE CONTROL

To activate temperature control, you need to *connect a room probe* (supplied in the optional ducting kit) to the specific connector. Once the desired temperature has been reached in the adjacent room, ventilation is stopped.

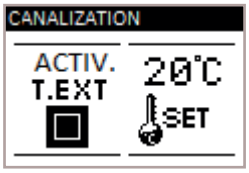
Press **OK** to activate/deactivate the function.



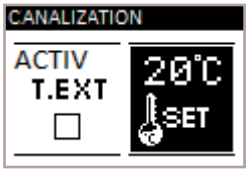
If you mistakenly activate the TEMPERATURE CONTROL function without connecting the probe, the system will automatically detect 0 °C and the fan will keep on working.
If you mistakenly activate the TEMPERATURE CONTROL function without connecting the thermostat, and then activate it (ENABLE T.EXT function), the ducting fan will never turn on, as the system will detect a T.OFF value.

EDIT SETTINGS

This function allows you to adjust the desired temperature in the adjacent room



Press ↑↓ to check/uncheck the mark, if you want to manage the temperature of the area where you want the air to be canalized via an external thermostat (not supplied). Press **OK** to confirm.

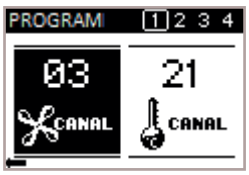


Press the ↑↓ keys to set the temperature of the area to be ducted with the help of the room probe supplied in the kit and connected to the terminal block.

If you activate the "ducting" temperature management function when the external thermostat is activated, it will no longer be possible to change the temperature of the adjacent room via the remote control, as it will be managed directly by the external thermostat.

13.2 PROGRAMMABLE AIR DUCTING

By installing and activating the ducting system, you will be able to manage the ventilation speed and temperature in the adjacent room, directly via programmable thermostat. After programming the switch-on/off times of the appliance, the following screen will appear.



Edit the data highlighted using the keys ↑↓
Press **OK** to confirm the change.

After choosing the ventilation speed, repeat the same operation to set the desired temperature.

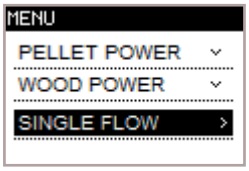
By setting the room temperature for the ducting, this is managed only if the TEMPERATURE CONTROL function (see above), is activated and ENABLE EXT

T. is deactivated in SETTINGS > DUCTING.

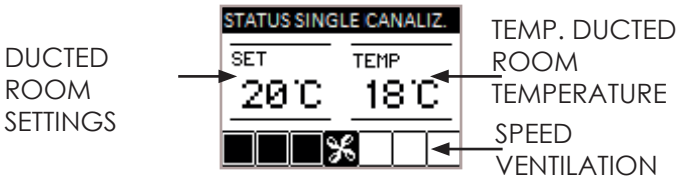
13.3 DISPLAY DUCTING STATUS

Press **OK** to turn on the remote control and display the STAND BY, then press ← to display the canalization status.

Below is the display screen:



Press ↓ up to SINGLE DUCTING and press **OK** to confirm.



14 PHASE OVERVIEW

PELLETS

PHASE	DESCRIPTION
 *SWITCH-ON* *WAITING FLAME* *FLAME PHASE*	- The pre-heating phase of the resistor starts and the pellets begin to fall into the brazier. - The pellet lights up by exploiting the heat of the incoming air entering through the duct of the glowing ignition resistor. - The stove resumes the pellets loading operation and the flame develops.
 *FUNCTIONING*	The stove has completed the switch-on phase and starts working according to power settings.
 *ECO MODE*	The desired room temperature has been reached.
 *BRAZIER CLEANING*	The stove activates the brazier cleaning without moving the brazier (periodic function).
 *ACTIVE CLEANER*	MECHANICAL cleaning of the brazier is in progress. The appliance turns off and on automatically.
 *RESTART*	Switch-on is required after a cooling phase. Once this condition has been met, the appliance restarts automatically.
 *FINAL CLEANING*	The appliance is switching off and it has not fully cooled down yet.
 *OFF*	The appliance is OFF and all motors are off too.

WOOD

PHASE	DESCRIPTION
 *SWITCH TO WOOD MODE*	The product starts to detect that the wood is burning in the combustion chamber. This screen is displayed until the control cycle to confirm the transition to wood-mode operation is complete.
 *WOOD MODE*	The appliance has completed the control phase and has verified that the wood logs ignited correctly, and that the product is working according to the chosen power.
 *WOOD ECO MODE*	The desired room temperature has been reached.
 *WOOD ALERT*	The optimal minimum temperature to add more firewood has been reached in the combustion chamber (WOOD ALERT).
 *WAITING RESTART*	Pellet ignition is required if the flame has not developed after an ignition attempt via a bed of embers.

PHASE	DESCRIPTION
 *WOOD-MODE FINAL CLEANING*	The appliance is switching off and it has not fully cooled down yet.
 *OFF*	The appliance is OFF and all motors are off too.

15 FUNCTION OVERVIEW

PHASE	DESCRIPTION
 *MAN OP.*	Desired room temperature is set on MAN: the stove always work with the heath power as per settings (NEVER switching to eco mode).
 *THERMOSTAT*	The room temperature is managed by means of an external thermostat (not supplied).
 *COMFORT CLIMA*	When Comfort Clima is active, the product switches off automatically as soon as room temperature has been reached as per settings (see specific paragraph).
 *AUTO*	For better comfort, when the AUTO function is active, the stove automatically manages the hearth power, the ventilation (if active) and the ducting (if present and active - optional) to guarantee the best comfort (see specific paragraph).
 *POWERFUL*	For better comfort, the stove works with the ventilation set at maximum speed (see specific paragraph).
 *OPTIMA FLAME*	The stove optimizes combustion to guarantee optimal heating while minimizing pellet consumption.

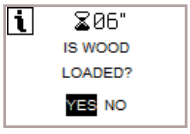
PHASE	DESCRIPTION
 *ANTICONDENSATION*	The stove temporarily increases the hearth power only to raise the temperature of the fumes and avoid serious damage by condensation (see specific paragraph).

16 ALERT OVERVIEW

PELLETS

PHASE	DESCRIPTION
 *ALARM*	Something triggered and alarm. Consult the "ALARMS" Chapter for further details.
 *PELLETS ANOMALY*	The appliance signals an anomaly without switching off. See "ANOMALY OVERVIEW"
	The batteries of the remote control are low.
	Flat batteries. REPLACE THEM AS SOON AS POSSIBLE TO AVOID DAMAGE TO THE REMOTE CONTROL.
	The service-hour limit has been reached. You are advised to request extraordinary maintenance of the appliance by authorised staff.

WOOD

PHASE	DESCRIPTION
 *FIREWOOD ANOMALY*	The product has detected an anomaly: press **OK** to display further details.
	Press **OK** to display the message explaining the anomaly, then press **OK** once again to access the menu.

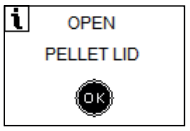
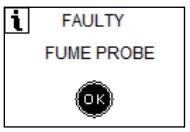
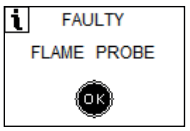
PHASE	DESCRIPTION
 *FAULT*	Something triggered an alarm: press the **OK** for further details. NB: when the cause of the problem has been solved, the appliance will resume normal operation.
 *E.g.: FAULT*	Example: The product signals a problem with the pellet-loading motor. When the heat generator switches to the shutdown phase (in wood mode), alarm 07 is triggered to prevent any pellet ignition. Refer to the operations indicated in the alarms chapter of this manual to restart the stove.

17 ANOMALY OVERVIEW

PELLETS

PHASE	DESCRIPTION
 *FAULTY PRESSURE SENSOR*	The product signals a malfunctioning of the combustion sensor. For safety reasons, the stove switches to eco mode while waiting for the technician.
 *HOT SMOKE*	The maximum smoke temperature threshold has been reached; the appliance will switch to eco mode with ventilation at maximum power to cool down.
 *EXCESSIVE LOAD*	If the quantity of pellet is high for the power of the machine. In P/A Ratio, reduce the pellet load by acting on the % (see dedicated paragraph).
 *FAULTY FLAME-READING PROBE*	The product signals a fault to the probe that detects the flame temperature. For safety reasons, the stove switches to eco mode while waiting for the technician.

PELLETS and WOOD

PHASE	DESCRIPTION
	When the user opens the door, the ash drawer or the pellet-tank door, the auger stops loading pellets into the brazier and the stove signals the anomaly with an acoustic signal. Make sure that all the doors are closed to restore normal operation. Otherwise, the product will trigger an alarm.
	
	Anomaly of the probe controlling the temperature of the exhaust smoke. Contact the authorised technician to solve the problem.
	Anomaly of the probe which controls the flame temperature in the combustion chamber. Contact the authorised technician to solve the problem.

Anomalies are warnings that reset themselves automatically once the problem has been solved. Press the **OK** to view the type of anomaly.
Alarms are warnings that, for safety reasons, will cause the heat generator to stop immediately.
Fault signals work only in wood mode. They are alarm warnings which do not cause the product to turned off until the next pellet operation.
Remember to press **OK** once to display the alarm. Double clicking will take you to the user menu.

To solve some anomalies, technical intervention by authorized personnel is required. Although the appliance continues to function, the user must contact the local technical assistance centre to solve the problem. Ignoring the warning can damage the product, even seriously, and the warranty will be invalidated due to negligence on the part of the customer.

18 DESCRIPTION OF ALARMS

PELLETS

The stove operation is constantly monitored by **elemento**, the software (firmware) that constantly monitors the safe functioning of the product.
When the system detects a fault or incorrect values, for the SAFETY of the user, *the appliance always turns off immediately*. An error code with further details is displayed on the remote control.

To turn the product back on, it is necessary to check the type of problem detected, solve it (use the information in the alarm table below as a reference) to reset the alarm, and then turn the

appliance back using the remote control. Long press of the power button (I). The heat generator carries out a final cleaning cycle anyway, and then switches (OFF) before allowing it to be turned back on.

WOOD

Due to the particular structure of the product, the wood mode allows safe and continuous operation even in the presence of important alarms which, in pellet mode, would stop combustion. There are different types of fault reports:
- some notifications trigger without opening the bypass valve, and reset automatically once the problem is solved, even during operation (Safety circuit breaker, Door Open, Pellet Tank Lid Open);
- other notifications intervene opening the bypass valve, and reset automatically once the problem is solved, even during operation (Black Out);
- some others intervene by opening the bypass valve, and normal conditions are restored only after the cause triggering the signal has been solved, and the alarm has been reset on the remote control by holding the power button pressed for a few seconds (Negative pressure, Faulty Extractor);
- finally, some notifications are triggered without the bypass valve being open, but normal conditions are restored only after the cause triggering the signal has been solved, and the alarm has been reset on the remote control by holding the power button pressed for a few seconds (no more pellets, smoke temp, etc)

ALARM CODE	REASON
01 - BLACK OUT **NOTE: BYPASS HATCH OPEN**	A blackout occurred while the stove was operating.
	SOLUTION
	Check that the power cable is well inserted both in the wall socket and in its socket on the stove, taking care to turn it off with the I/0 button before operating.
	Follow the instructions on the remote control and clean the brazier before trying to turn it on again. DANGER: MALFUNCTIONING
	When power is restored, reset the BYPASS device to turn off the alarm. If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
02 - NO IGNITION	The pellet tank is empty or else the auger was not filled using the appropriate menu before switching on the appliance.
	Change the type of pellet compared to the one used for adjustments during commissioning.
	The user did not follow the instructions and ash and wood combustion residues poured into the brazier.
	The electrical resistor responsible for ignition is defective or not in the correct position.
	SOLUTION
	Load the tank and use the auger loading function before turning the stove back on.
	If possible, use a type of pellet identical to the one used for commissioning. If this is not possible, it may be necessary to contact the Assistance Service to readjust the values according to the new type of pellet.
	Clean the brazier thoroughly using the ash vacuum cleaner, especially on the right side of the brazier, next to the hole for the electric resistor. *Avoid dumping combustion residues into the brazier.*
	If the problem persists, and/or to replace the resistor, contact the Authorized Assistance Service.

ALARM CODE	REASON
03 - PELLETS FINISHED	Pellet exhausted in the pellet tank or lack thereof when loading into the brazier.
	SOLUTION
	Check the tank load and fill it if necessary.
	In the "P/W/A Ratio" menu, check that you have not decreased the pellet load too much and that you have not increased the supply of combustion air, distorting the balance of correct combustion. Bring both values back to zero and try again.
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
04 - SMOKE TEMPERATURE	Combustion in the brazier is not optimized due to excess of fuel, dirty smoke passages inside the appliance or incorrect adjustments of the "P/W/A Ratio" function.
	SOLUTION
	Turn the product off and on again to activate the cleaner; adjust combustion with "P/W/A Ratio" starting from Zero.
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
05 - SMOKE EXTRACTOR NOT RESPECTING RPMs	The speed of the smoke extractor present a loss of efficiency due to a) a fan obstructed by ash deposits, or b) foreign bodies entered from the chimney, or else c) a drop in voltage.
	SOLUTION
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON

06 - FAULTY SMOKE EXTRACTOR	No power to the fume extractor.
	The smoke extractor is blocked.
	SOLUTION
NOTE: BYPASS HATCH OPEN	Reset the BYPASS device and turn off the alarm. If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
07 - PELLET-LOADING GEARMOTOR NOT RESPECTING RPMs	The speed of the gearmotor presents a loss of efficiency due to a drop in voltage.
	SOLUTION
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
08 - FAULTY PELLET-LOADING GEARMOTOR	Gearmotor RPMs detection system (encoder) not working or not connected correctly.
	No power to the gearmotor.
	SOLUTION
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
09 - PELLET-LOADING AUGER BLOCKED	Possible foreign body or excess sawdust that prevents correct functioning.
	SOLUTION
	Empty the tank and remove any foreign bodies or excess sawdust deposits.
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
10 - PELLET-LOADING AUGER POWER SUPPLY DEFECT	Power not properly supplied. The electronic control unit is not powering the pellet-loading motor correctly or power is not supplied at all.
	SOLUTION
	If the problem persists, contact the Authorized Assistance Service.

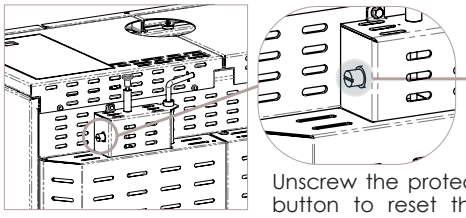
ALARM CODE	REASON
11 - PASCAL MIN. NEGATIVE PRESSURE	The sensor does not detect a sufficient minimum depression of combustion air entering the appliance to guarantee safe operation.
	SOLUTION
	Check if the door and the ash drawer are closed correctly, then check if the combustion air intake pipe (air inlet) is blocked.

ALARM CODE	REASON
12 - FAULTY BRAZIER CLEANER	The brazier automatic cleaner has not completed its movement and is not in the correct position, or else the door is not closed correctly.
	SOLUTION
	Check if the door is closed correctly, reset the alarm and wait for the product to turn OFF.
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
13 - NEGATIVE PRESSURE IN CHIMNEY FLUE	The smoke evacuation system (smoke channel and flue) are blocked, or particular adverse weather conditions have triggered the safety system.
	The sensor that checks the correct depression of the exhaust system does not work correctly.
	SOLUTION
NOTE: BYPASS HATCH OPEN	Check that the smoke evacuation system (flue) is not blocked: have it checked and cleaned by a chimney sweep or the installer.
	Reset the BYPASS device and turn off the alarm. If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
14 - THERMOSTAT MANUAL-RESET SWITCH	The safety thermostat has detected areas with anomalous temperatures. For safety reasons, the stove stops after a cooling cycle.
	SOLUTION
	Turn off the alarm and, after the stove has cooled, reset the thermostat by pressing the button under the plastic cap.
	Check that all the parts of the stove equipped with fans and ventilation grills are not obstructed and/or that the appliance respects minimum safety distances from objects, especially the back side.
	If the problem persists, contact the Authorized Assistance Service.

Position of the manual reset thermal switch



Unscrew the protective cap and press the button to reset the circuit breaker after having lowered the temperatures.

ALARM CODE	REASON
15 - FIRE DOOR/ ASH DRAWER OPEN	During the cleaning phase of the product, either the fire door was not closed correctly or else the ash drawer was forgotten open, or closed incorrectly.

	SOLUTION
	Check the correct closure of the door and/or the correct insertion of the ash pan in its housing.
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
16 - PELLET-TANK LID OPEN	The door of the hopper was not closed correctly after loading pellets.
	SOLUTION
	Check that the pellet tank door is closed correctly.
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
18 - FLAME PROBE	Simultaneous failure of the flame and smoke temperature probes.
	SOLUTION
	Contact the Authorised Support Centre.

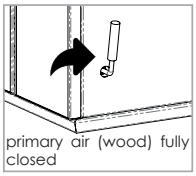
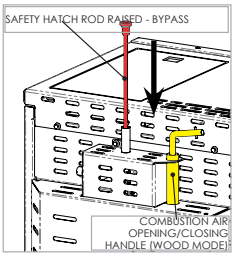
ALARM CODE	REASON
22 - FLAME TEMPERATURE	An obstruction in the brazier, or in the internal passages of the appliance, is hindering proper combustion. This can be due to: • fuel not corresponding to what recommended; • excessive wood load/overload.
	SOLUTION
	Turn the product off and on again to activate the cleaner; adjust combustion with "P/W/A Ratio".
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
23 - AUGER TRIAC	Anomaly in a component inside the electronic board that manages the loading motor, or the automatic mechanical cleaner.
	The cause may be due to possible voltage drops, incorrect input voltage to the appliance, lack of earthing in the home's electrical system, or in the socket to which the appliance is connected.
	SOLUTION
	Have the power supply voltage checked by a trusted electrician. Try to turn the plug in the wall socket to reverse Phase and Neutral - if this fixes the problem, the problems lies in the earthing.
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
24 - AUGER PHASE	Erratic voltage detected between the electronic board and the loading/ cleaning gearmotors.
	SOLUTION
	Have the power supply voltage checked by a trusted electrician. Try to turn the plug in the wall socket to reverse Phase and Neutral - if this fixes the problem, the problems lies in the earthing.
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
28 - FAULTY SMOKE ENCODER	The sensor that checks the correct functioning of the smoke extractor has failed, or the signal no longer reaches the electronic board.
	SOLUTION
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
29 - CLEANING CYCLE LIMIT	The maximum number of automatic brazier-cleaning cycles allowed over a prolonged period of use has been reached.
	SOLUTION
	Safely, vacuum the brazier and turn on the product again.
	At the end of the winter season, clean the stove thoroughly, even if the "service hours" does not show up.
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
30 - BYPASS EMERGENCY HATCH OPEN	The "bypass" safety hatch opened after a blackout, or incorrect opening of the manual valve for the management of primary air (wood).
	SOLUTION
NOTE: BYPASS HATCH OPEN	Before rearming the bypass, completely close the manual valve for primary air combustion (if used previously) to deactivate the electrical safety system that prevents the bypass from closing.  primary air (wood) fully closed
	When power is restored, grab the bypass hatch by the knob and push it downwards to lock it in its original position.  SAFETY HATCH ROD RAISED - BYPASS COMBUSTION AIR OPENING/CLOSING HANDLE (WOOD MODE)

	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
31 - FAULTY PELLET/WOOD-AIR VALVE	The automatic system managing the movement of the pellet/wood primary-air mixing valve does not work correctly.
	SOLUTION
	Reset the alarm. Turn the product off with the I/0 button on the back of the product, wait for at least 5 seconds, then turn the product back on.
	If the problem persists, contact the Authorized Assistance Service.

ALARM CODE	REASON
32 - FAULTY BYPASS EMERGENCY SYSTEM	One of the components of the emergency bypass hatch system is faulty or blocked.
	SOLUTION
	Lift the reattachment knob to check correct linkage movement.
	If the problem persists, contact the Authorized Assistance Service.

19 PRODUCT CLEANING

The installation must guarantee easy access to all parts of the generator and to the combustion smoke evacuation system, in case of extraordinary maintenance and any repair work.

Please carefully follow the instructions provided in this chapter to carry out correct routine cleaning and keep the generator functioning and in good condition.
Failure to carry out maintenance could cause operating problems, even serious ones, not covered by the warranty.

Before cleaning the appliance, ***it is mandatory*** to take the following precautions**:**

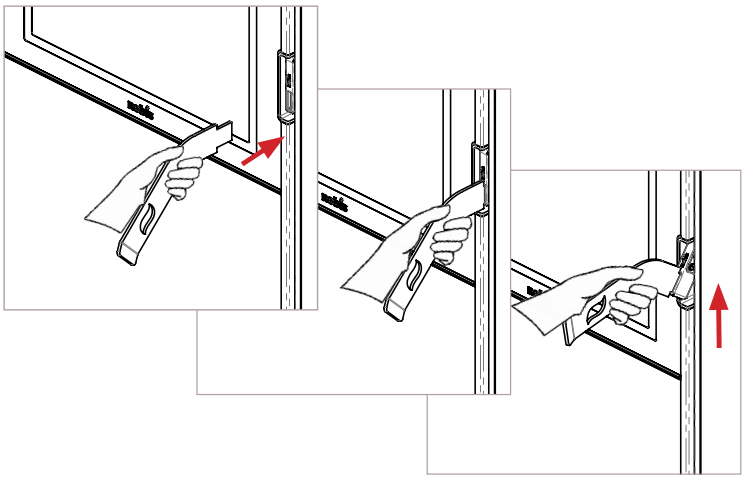
- turn off the product, wait for the OFF status, press the **I/0** button to turn off the power supply and disconnect the power cable;
- make sure that all parts are cool to the touch;
- make sure that the combustion ash is completely cold and that it does not hide any burning embers.

To clean painted metal parts, use a soft damp cloth and a little neutral soap.
Never spray cleaning products on the heat generator: spray on a damp cloth, a little at a time.
The use of aggressive detergents or thinners will damage the aesthetic parts of the product. Such damage is not covered by the 24-month European warranty on manufacturing defects.

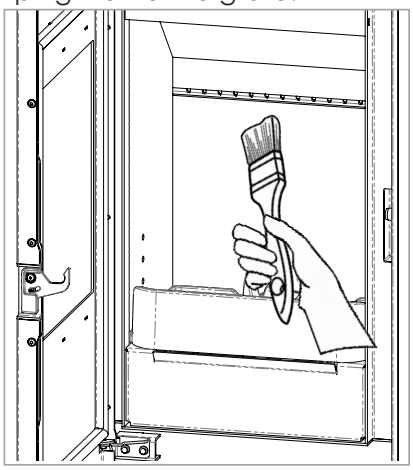
19.1 FIRE COMPARTMENT CLEANING

PELLETS
Open the door using the specific lever supplied with the product and:
- vacuum the grate;
- vacuum the brazier thoroughly;
- vermiculite does not require cleaning, as all carbon deposits are eliminated by pyrolysis. In any case, if you want to remove the film of soot, only use a soft bristle brush.
- With the same soft brush (always paying utmost attention) it is also possible to clean the probe that detects the flame temperature, WITHOUT FORCING IT, to avoid compromising its efficiency.

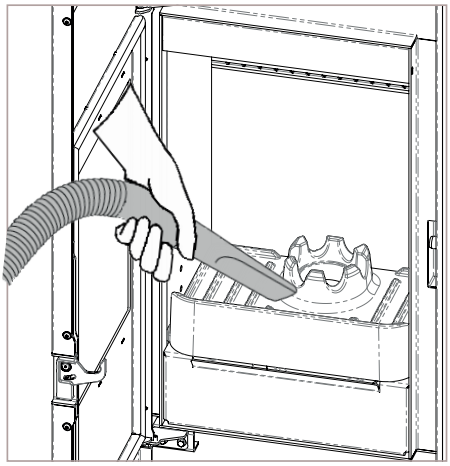
OPERATING PROCEDURE:
Mount the door lever in its specific slot and lever it upwards to open the door.



With a soft brush, remove the combustion dust, dumping it onto the grate.



Vacuum the cast iron combustion surface and the brazier thoroughly, being careful not to hit the vermiculite with the nozzle of the vacuum cleaner to avoid any damage.



WOOD

DO NOT DUMP ASH AND EMBERS FROM THE GRATE INTO THE HOLE OF THE BRAZIER - DANGER OF BREAKAGE OF THE MECHANICAL BRAZIER CLEANER AND/OR MALFUNCTIONING OF THE ELECTRIC RESISTOR FOR PELLET IGNITION.

Never let ash pile up too much on the combustion grate. Do not let it go beyond the front edge of the grate and the crown from which the pellet flame emerges. Obstructions in the crown and side holes of the secondary combustion air inlet may jeopardise correct functioning of the appliance.

During this phase, pay particular attention, as the embers keep burning beneath the ash for several hours: *risk of fire in the ash vacuum cleaner and/or burns.*

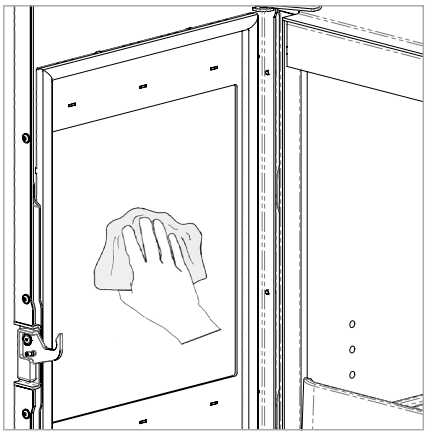
19.2 CLEANING OF THE DOOR GLASS

Before cleaning the glass, carefully remove the ash deposited in the gaps between the door and glass with an ash vacuum cleaner.

It is recommended to always clean *the glass when cold*, using a soft cotton cloth moistened with a little water and combustion ash (which has an abrasive function): avoid as much as possible the use of products with additives which could, over time, deteriorate the seals, the glass and the painted parts. Above all, never spray the product directly on the glass: spray it on the cloth and then clean the glass.

Do not turn on the appliance if you notice any damage to the glass.
Contact the Service Centre for replacement.

OPERATING PROCEDURE:
clean with a soft cotton cloth as shown in the figure below.

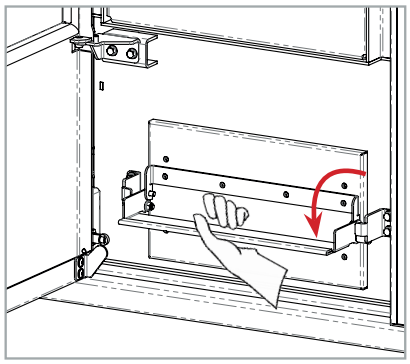


19.3 CLEANING OF THE ASH PAN

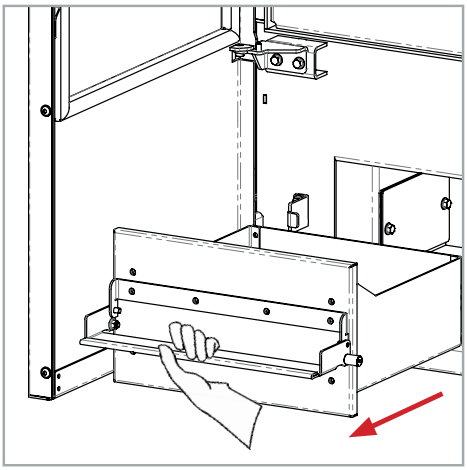
Remove the drawer from the appliance and remove the ash deposit using an ash vacuum cleaner. Make sure that the embers have cooled down, as hot embers could damage the vacuum cleaner.

The frequency of the cleaning operations depends on the quality of the pellets used and the daily hours of use of the product. There may be a need to change the cleaning frequency accordingly.

OPERATING PROCEDURE:
Open the door, as explained in point 18.1 and, using the handle of the drawer, release it, as shown in the figure.



Remove the ash drawer and empty it, as in the figure below:



During this phase, pay particular attention, as the embers keep burning beneath the ash for several hours: *risk of fire in the ash vacuum cleaner and/ or burns.*

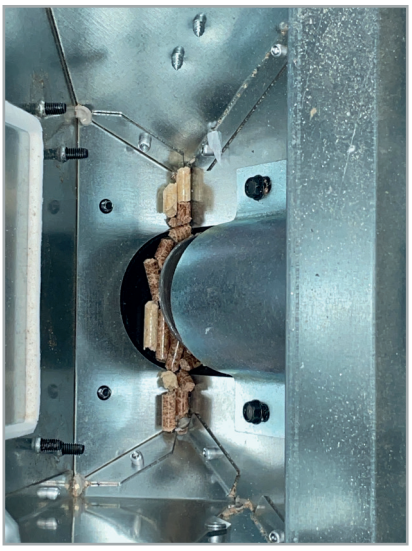
19.4 CLEANING OF THE PELLET TANK

It is recommended to regularly clean the bottom of the pellet tank to eliminate the sawdust which accumulates after prolonged use. As for the cleaning frequency, follow the indications listed in the table in chapter 19.5
It is recommended to let all the pellets end up in the hopper: at that point it will be possible to vacuum the bottom using an ash vacuum cleaner. If you want to recover the few remaining pellets, just remember to clean the ash vacuum cleaner before the operation and then sieve what you have vacuumed up.

Cleaning the tank on a regular basis prevents possible malfunctioning of the loading auger and subsequent machine downtimes.

At the end of the season it is mandatory to empty the pellet tank, thoroughly vacuum any the sawdust and, taking advantage of the "auger first load" function, empty the auger from any pellets left in it. This is to prevent the pellets from absorbing humidity during the summer season. Humid pellets can flake apart and clog the auger.

OPERATING PROCEDURE:
Let the pellets finish in the tank and consume as much as possible. Vacuum up all the dust and sawdust (see examples of a tank with a dirty bottom compared with a clean one below).



19.5 MAINTENANCE TIMETABLE

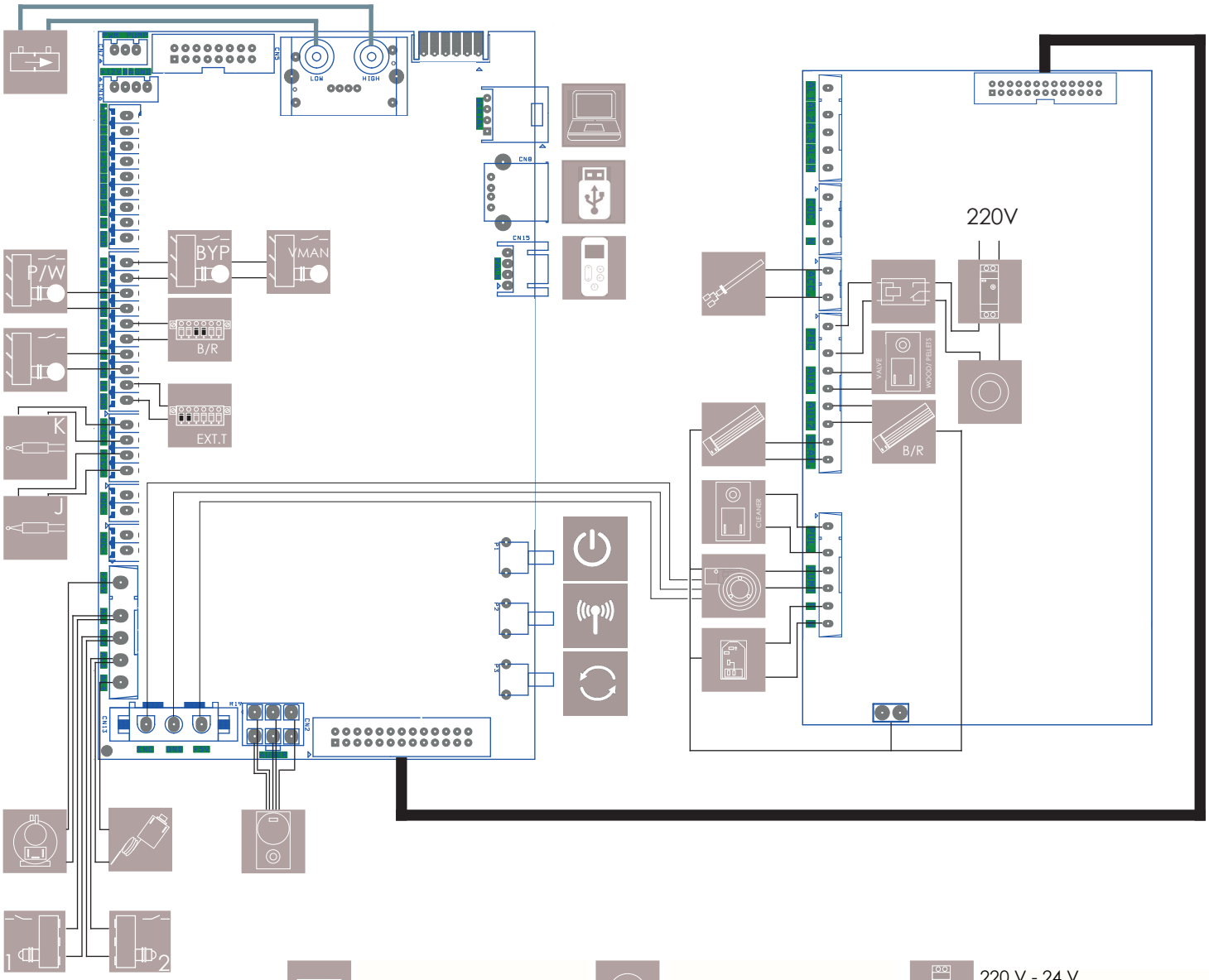
The following table summarizes the types of ordinary interventions, which can/must be carried out by the user, and extraordinary ones which must only be carried out by qualified personnel authorized by the manufacturer (during the warranty period).

PARTS	FREQUENCY
Ash drawer (suggested period)	**7 DD**
Glass	**2-3 DD**
Combustion chamber	**2-3 DD**
Cleaning of the bottom of the pellet tank	**30 DD**
Extractor duct*	**1 SE**
Door/ash-drawer gasket*	**1 SE**
Smoke exhaust system*	**1 SE**
Electromechanical components*	**1 SE**

KEY:	
*	operations that must be carried out by a qualified technician authorized by the manufacturer.
DD.	days
SE	seasons

Current legislation provides the possibility for the user to contact a trusted technician, rather than the authorized technician, who must in any case be authorized for legal purposes. After the warranty period of 24 months on manufacturing defects has expired, the technician will assume all responsibilities relating to the intervention carried out.

20 WIRING DIAGRAM



LEGEND:

- PRESSURE SENSOR
- STROKE COUNTER MECHANICAL CLEANER
- TERMINAL BOARD CONNECTION EXTERNAL T.
- FLAME PROBE
- SMOKE PROBE
- GEARMOTOR BLDC 24V
- PELLETS/WOOD VALVE CONTACT
- 220V RELAY
- SMOKE EXTRACTOR
- MANUAL RESET THERMAL SWITCH
- RESISTOR SWITCH-ON
- GEARMOTOR MECHANICAL CLEANER
- DOOR/ASH DRAWER (1) PELLET TANK (2) CONTACT
- 220V SOCKET WITH ON/OFF SWITCH AND FUSE
- WOOD BYPASS CONTACT
- ELECTROMAGNET
- SAFETY VACUUM SWITCH
- FRONT SIDE VENTILATION
- PC CONNECTION (technical support only)
- USB CONNECTION (technical support only)
- EMERGENCY CABLE REMOTE CONTROL
- APPLIANCE SWITCH-ON KEY
- 220 V - 24 V TRANSFORMER
- REMOTE UNIT SELECTION KEY
- UPGRADE FW KEY (technical support only)
- BACK OR RIGHT VENTILATION
- TERMINAL BOARD PROBE OR T.EXT OR BACK-RIGHT
- TERMINAL BOARD CONNECTION PROBE OR T.EXT L
- WOOD MAN. VALVE CONTACT

MAINTENANCE

DATE	INTERVENTION PERFORMED

ANNOTATIONS

ANNOTATIONS

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