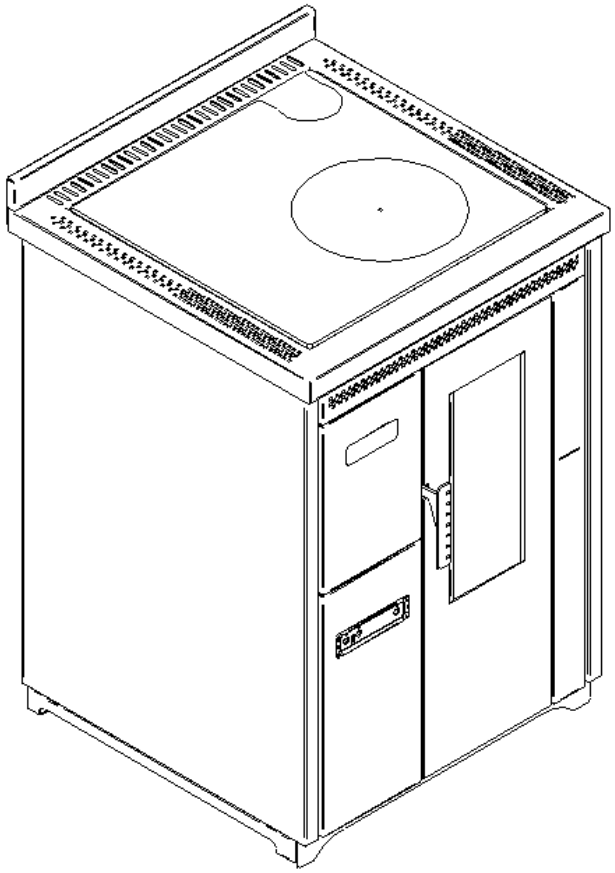
EN

INSTRUCTION MANUAL
PELLET STOVES

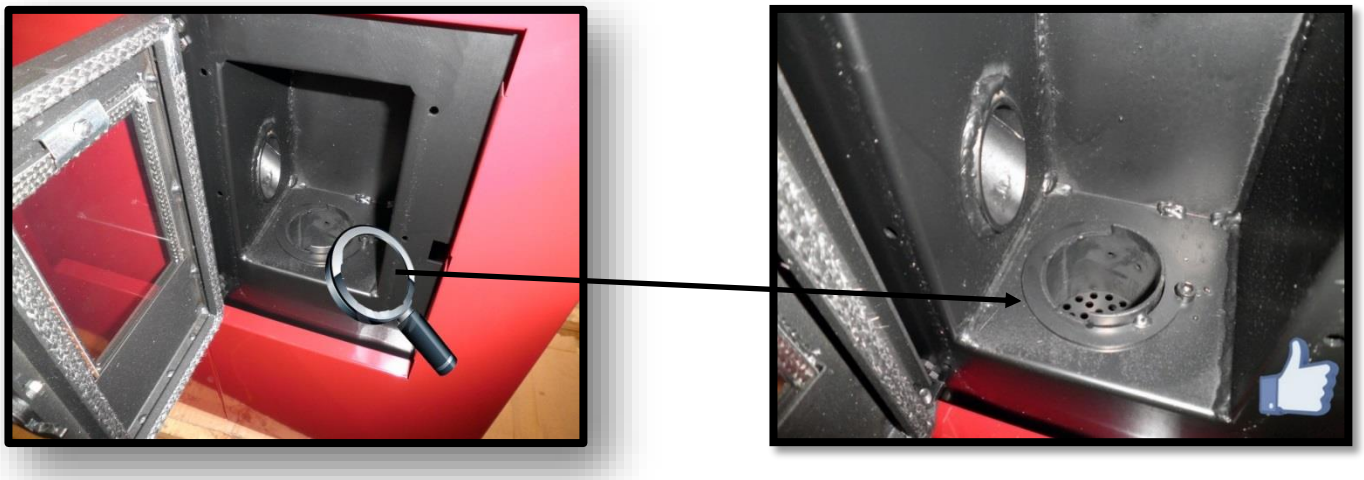


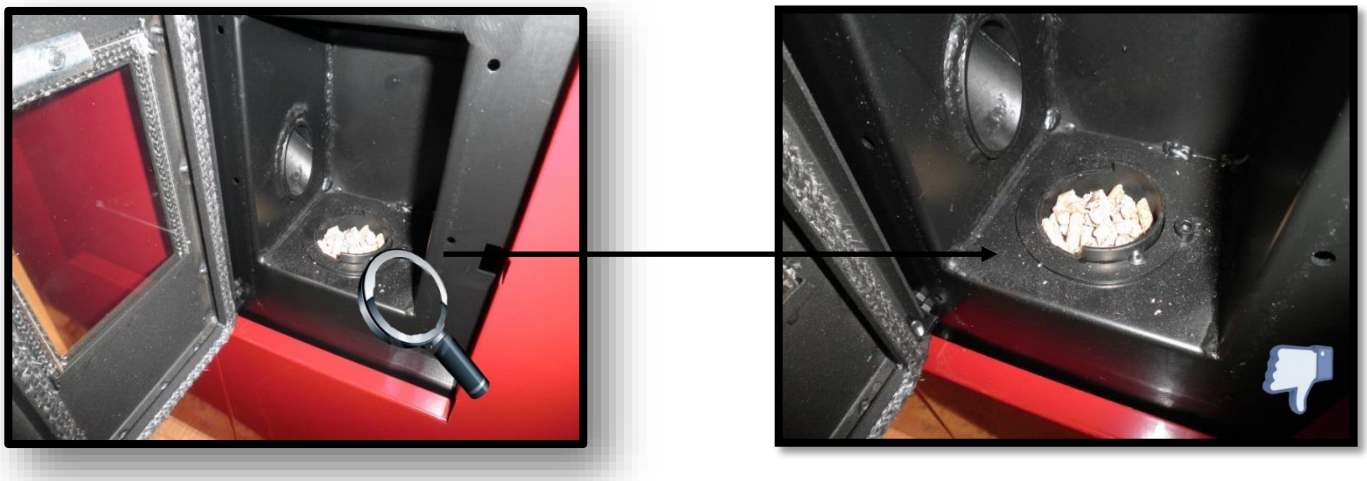
PELLET
STOVE

EVA STAMPAGGI

IMPORTANT: ESSENTIAL TO READ

1. The warranty is only valid if the INITIAL IGNITION is carried out by an AUTHORISED TECHNICIAN.
2. Do not turn the product UPSIDE DOWN or LAY IT IN A HORIZONTAL POSITION DURING TRANSPORTATION AND INSTALLATION..
3. Stove installation must be carried out by qualified staff and pursuant to the regulations in force in the relevant country.
4. Empty the burn pot before trying to switch the stove back on IN CASE OF IGNITION FAILURE OR POWER OUTAGE. Failure to do so may also result in the breaking of the door glass.





5. DO NOT POUR THE PELLETS BY HAND into the burn pot to facilitate stove ignition.
6. Should any anomaly concerning the flame be detected or, however, in any other case, NEVER SWITCH OFF the stove by disconnecting it from the mains. Use the relevant button. Disconnecting the stove from the mains will prevent exhaust fumes from being extracted.
7. Should ignition phase take longer than expected (due to damp or poor quality pellets) generating excessive smoke in the combustion chamber, open the door to expel it, while remaining in a position that guarantees your safety.
8. It is highly important to use GOOD QUALITY CERTIFIED PELLETS. The manufacturer declines any liability for any malfunctioning or damage to mechanical parts due to the use of poor quality pellets.
9. The burn pot and the combustion chamber MUST BE CLEANED DAILY. The manufacturer declines any liability for any malfunctioning due to a failure to do so.

Eva Stampaggi S.r.l. declines any liability for any damage to persons or property arising from the failure to comply with the points mentioned above and from non-compliant product installation.

INDICE

01. PRODUCT SAFETY

01.1 SAFETY WARNINGS

The stoves were built in compliance according to standard EN13240 (wood stoves), EN 14785 (pellet stoves) and EN 12815 (kitchens and wood-burning stoves)using high quality and non-polluting materials. To make better use of your stove it is advisable to follow the instructions in this booklet.

Read this manual carefully before use or any maintenance operation.

Eva Stampaggi aims to provide as much information as possible to ensure safer use and to avoid damage to persons, property or parts of the stove itself.

Each stove is subjected to internal testing before shipment and as such residues inside the appliance may be found.

RETAIN THIS MANUAL FOR FUTURE REFERENCE.

FOR ANY REQUIREMENT OR CLARIFICATION PLEASE CONTACT

THE AUTHORISED RETAILER

- Installation and connection must be carried out by qualified staff in compliance with local regulations, national and European standards (UNI 10683) and with the annexed installation instructions. Furthermore, these operations must be performed by personnel who are authorised and professionally trained for the task in question.
- The combustion of waste, especially of plastic materials, damages the stove and the vent pipe. Moreover, it is forbidden by the law against the emission of harmful substances.
- Do not use alcohol, petrol or other highly inflammable liquids to light the fire or poke it during operation.
- Do not introduce into the stove an amount of fuel greater than that recommended in this booklet.
- Do not modify the product.
- It is forbidden to use the appliance with the door open or the glass broken.
- Do not use the appliance as, for example, a clothes drying rack, a bearing surface or step etc.
- Do not install the stove in bedrooms or bathrooms.

The pellets to be used are the following:

The pellet stoves operate exclusively with pellets made from various types of legislative-compliant wood.
DIN plus 51731 or EN plus 14961-2 A1 or PEFC/04-31-0220 or ONORM M7135 or having the following characteristics:
Min calorific value 4.8 kWh/kg (4180 kcal/kg)
Density 630-700 kg/m3
Maximum humidity 10% of the weight
Diameter: 6 ±0.5 mm
Percentage ash: max 1% of the weight
Length: min 6 mm- max 30 mm
Composition: 100% untreated wood from the industry of wood or post-consumption without the addition of binders, bark-free and compliant with current regulations.

01.2 GENERAL SAFETY PRECAUTIONS

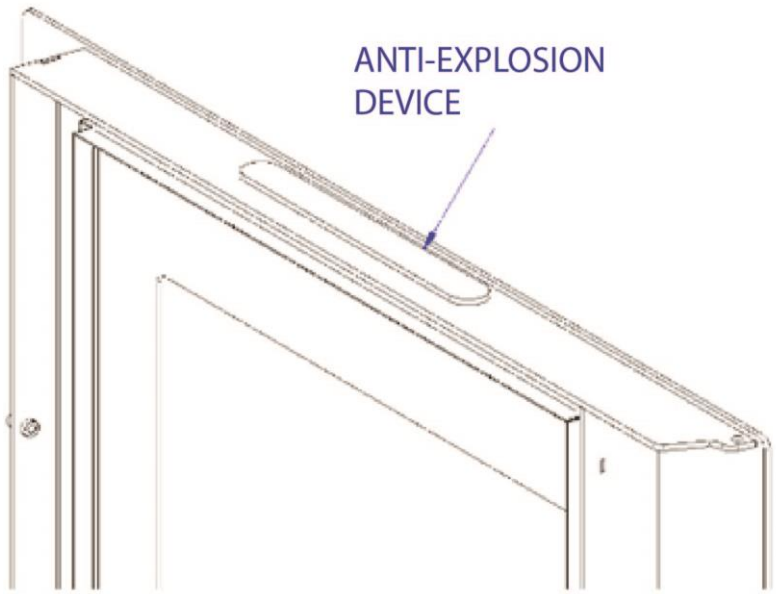
- Use the stove only as described in this manual. Any other use not recommended by the manufacturer may cause fires or accidents to people.
- Make sure that the electrical power available corresponds to the value indicated in the data plate (220V~/50Hz).
- This appliance is not a toy. Make sure children are not left unattended and do not use the appliance as a toy.
- This device is not intended for use by persons (including children) with reduced physical or mental capacity, or without specific experience and knowledge, unless supervised or duly instructed on the use of the appliance by a person responsible for their safety.
- Disconnect the appliance from the mains when not in use or during cleaning operations.
- To do so, turn the switch to the O position and disconnect the plug from the socket. Pull the plug, not the cable.
- Never block the combustion air inlets and fume outlets.
- Since the stove is fitted with electrical components, do no touch it with wet hands.
- **Do not use the appliance in case of damaged cables or plugs. The device is classified as type Y: power supply cable may only be replaced by a qualified technician. Should the power supply cable be damaged, it can be replaced only by the manufacturer or by its technical assistance service or by a similarly qualified person.**
- Do not place any object on the cable and do not bend it.
- Avoid using extension cables as their temperature may increase excessively posing fire hazards. Never use one single extension cable to power several appliances.
- **During normal functioning some parts of the stove may become extremely hot, such as the door, the glass or the handle. Be careful, especially with children. Do not touch any hot parts if not wearing adequate protective devices.**
- **ATTENTION! DO NOT TOUCH the FIRE DOOR, the GLASS, the HANDLE or the FUME OUTLET DURING FUNCTIONING if not wearing adequate protective devices since they become extremely hot.**
- Keep inflammable materials, such as furniture, cushions, pillows, blankets, paper, clothing, curtains, etc., at least 1.5 m away from the stove front and 30 cm from the stove sides and back.
- The stove being covered by or in direct contact with **inflammable** materials, including curtains, blankets, etc., during normal operation may result in a fire hazard. **KEEP THE APPLIANCE AWAY FROM THE MATERIALS MENTIONED ABOVE.**
- Do not immerse the cable, plug or any other appliance component in water or other liquids.
- Do not use the stove in dusty environments or wherever inflammable vapours are generated (e.g. in a workshop or a garage).
- The stove is fitted with components that generate arcs and sparks. Do not install the stove in areas posing a significant fire or explosion hazard due to a high chemical substance concentration or to a high humidity level.
- Do not use the appliance close to bathtubs, showers, basins, sinks or swimming pools.
- Do not install the appliance underneath an air vent. Do not install the stove outdoors.
- Do not repair, disassemble or modify the appliance. The appliance is not fitted with components that can be repaired by users.
- Turn off the stove, disconnect it from the mains and wait until it has cooled down completely before performing any maintenance operations.
- **WARNING: DISCONNECT THE STOVE FROM THE MAINS BEFORE PERFORMING MAINTENANCE OPERATIONS.**
- **ATTENTION! These stoves operate exclusively on pellets and possibly also pits if the stove has this option; DO NOT USE OTHER FUELS: any other material that may be burnt will result in failure and malfunction of the appliance.**
- **Keep the pellets in a fresh dry place: storing pellets in a place that is damp or excessively cold may reduce the stove potential heat output. Be careful when storing and handling pellet bags to prevent pellet crushing and consequent sawdust production.**
- The fuel consists of small cylinders with 6-7mm diameter and a maximum length of 30mm. Their maximum moisture content is equal to 8%. This stove is designed to burn pellets made of compacted sawdust obtained from different types of wood, in compliance with environment protection legislation.
- The use of different types of pellets may result in a slight, sometimes even undetectable, change in the stove efficiency. This change can be counterbalanced by increasing or decreasing the stove heat output by only one step.
- **Clean the burn pot on a regular basis upon every ignition or pellet refuelling.**
- Open the firebox only upon refuelling or removal of residues to prevent fumes from escaping.
- Do not switch the stove on and off intermittently to avoid damaging its electrical and electronic components.

- Do not use the appliance as waste incinerator or for any other purpose other than the intended one.
- Do not use liquid fuels.
- Do not modify the appliance without prior authorisation.
- Use only original spare parts recommended by the manufacturer.
- Make sure that the stove is transported in compliance with safety regulations. Avoid any improper transfers or knocks that may damage the ceramics or the structure.
- The metal structure is coated using high temperature paints. When using the appliance for the first few times, unpleasant odours may be given off due to the paint of the metal parts that is drying: this is in no way dangerous and in such case, simply ventilate the premises. After the first heating cycles, the paint will reach its maximum adhesion and all its chemical and physical features.
- The reload the hopper, simply open the access lid and pour in the pellets, also during normal operation, making sure that no pellets fall out of it. Always refuel the hopper before leaving the operating stove unattended for long periods of time.
- Whenever the hopper and the auger tube become completely empty, the appliance will be automatically switched off. It may take two separate ignitions to resume operation at ideal working conditions as the auger tube is very long.
- **ATTENTION! If the stove is not properly installed, power outages may result in fume spillages. Under specific circumstances, an uninterrupted power supply unit must be installed.**
- **ATTENTION! Being a heating appliance, some parts of the stove can become extremely hot. We therefore recommend paying special attention during operation.**

  WHEN THE STOVE IS WORKING:
  - do not open the door;
  - do not touch the door glass since it becomes extremely hot;
  - keep children away from it;
  - do not touch the fume outlet;
  - do not pour any liquid inside the firebox;
  - do not perform any maintenance operations if the stove is not cold;
  - only qualified technicians are allowed to perform any operation;
  - follow all the instructions contained herein.

Anti-explosion

Some products are fitted with a safety device to prevent explosion. Before switching on the product or, in any case, after any cleaning operation, make sure that the device is correctly positioned in its seat. The device is located on the firebox door upper edge.



01.3 EC CERTIFICATE OF CONFORMTY

CE

EVA STAMPAGGI S.r.l.
Via Cal Longa Z.I.
31028 Vazzola (TV) - ITALY

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Trademark: EVA CALOR/FOCAL POINT

EN 14785 :2006

Residential space heating appliances fired by wood pellet
Apparecchi per il riscaldamento domestico alimentato a pellet di legno

Type: ------

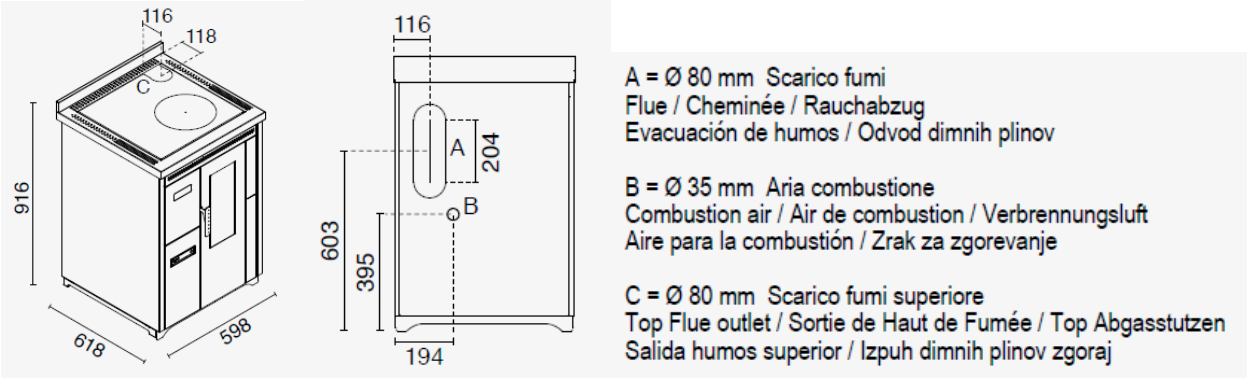
Model: NINA – CAROLINA - LEA

Distance to adjacent combustible materials *Distanza da materiali combustibile*	:	1 cm Rear 20 cm Sides 1 cm Sides built-in
Emission of CO in combustion products *Emissione di CO nei prodotti di combustione*	:	nominal heat output 0,019 % reduced heat output 0,011 %
Maximum operating pressure *Massima pressione di esercizio*	:	---- bar
Flue gas temperature *Temperatura dei fumi*	:	165 °C at nominal heat output 93 °C at reduced heat output
Nominal heat output *Potenza termica nominale*	:	6.7 kW total heating output
Efficiency *Rendimento energetico*	:	nominal heat output 88.5 % reduced heat output 89.1 %
Fuel type *Tipi di combustibile*	:	Wood pellet *Pellet di legno*
Dust emission *Polveri*	:	19 mg/Nm^3 At 13% O_2 ---- mg/MJ At 0% O_2
Electrical power supply *Potenza elettrica assorbita*	:	320 W
Rated voltage *Tensione nominale*	:	230 V
Rated frequency *Frequenza nominale*	:	50 Hz

Pellet stoves

This type of stove combines the convenience of pellets with the proven tradition of an economic kitchen with which it is possible to prepare meals and heat the environment at the same time. Thanks to technology, in this case also not only is it possible to cook but the appliance was created to provide plenty of space to do so. In addition the pellets are easy to handle, both in terms of power and for the precise temperature management, with no mess or clutter. This economical ventilated pellet stove is equipped with a frontal pellet loading system that is very easy to use and which makes it extremely practical in everyday use. Its wide top plate, available in steel or glass ceramic, is perfect for cooking meals using the heat given off. The fume outlet is top or rear. In winter, the forced ventilation facilitates rapid and uniform heating of the entire environment while in summer it is possible to cook without forced ventilation. Conceived to be functional, the design was not secondary, in fact the large glass panel was intended to make the fire visible. Available in both the recessed and free-standing version.

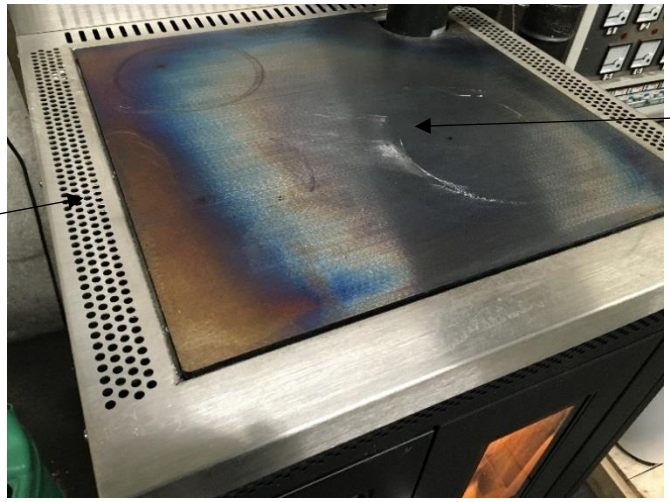
TECHNICAL DRAWING



TECHNICAL DATA

Technical data of the appliance: *Dati tecnici dell'apparecchio:*	**Nominal heat output** *Potenza termica nominale*	**Reduced heat output** *Potenza termica ridotta*
Fuel throughput *Consumo orario (kg/h)*	1.56	0.57
Necessary flue draught *Requisiti minimi del tiraggio del camino (Pa)*	11.6	10.3
Flue gas temperature *Temperatura fumi (°C)*	164	92
Flue gas temperature at flue spigot or socket *Temperatura uscita fumi (°C)*	171	101
Flue gas mass flow *Flusso massico dei fumi (g/s)*	5.0	4.3
Efficiency *Rendimento (%)*	86.5	90.5
Total heating output *Potenza termica (Kw)*	9.0	3.9
Water heating output *Potenza termica resa all'acqua (Kw)*	-----	-----
Space heating output *Potenza termica resa all'ambiente (Kw)*	-----	-----
CO emission at 13% of O_2 *Emissioni di CO al 13% di O_2 (%)*	0.019	0.011
Maximum water operating pressure *Massima pressione di esercizio dell'acqua (bar)*	-----	-----
Discharge control operating temperature *Temperatura di intervento termostato sicurezza acqua (°C)*	-----	-----
Electrical power supply *Potenza elettrica assorbita (W)*	330	-----
Rated voltage *Tensione nominale (V)*	230	-----
Rated frequency *Frequenza nominale(Hz)*	50	-----

02.1 DESCRIPTION OF COMPONENTS



03.1 INTRODUCTION

INSTALLATION WITH WALL FUME OUTLET IS PROHIBITED. INSTEAD THE FUME OUTLET MUST BE ROOF-TYPE AS PROVIDED FOR BY NATIONAL REGULATIONS.

Eva Stampaggi S.r.l. declines any liability for any damage to persons or property arising from the failure to comply with the points mentioned above and from non-compliant product installation.

Install the stove according to the regulations in force in the country of use.
For example, in Italy this refers to UNI 10683: 2012, which dictates 4 points

1. preliminary activities - for which the retailer/installer is responsible and liable for at the time of the inspection before definitive installation The preliminary activities include:

- installation site suitability verification;
- fume evacuation system suitability verification;
- external air inlet suitability verification;

At this stage it is necessary to check that the product can be safely operated and that it satisfies its technical characteristics.
The **safety conditions** must be ascertained by means of a prior inspection.
Stoves and fireplaces are heating systems and must be installed safely and comply with the manufacturer's instructions!
2. Installation - responsibility of the installer. At this phase the aspects of **installation** of the product and of the fume evacuation system are taken into account and the following issues are addressed:

- **safety distance** from combustible materials;
- **chimney flue construction**, smoke ducts, intubated systems and chimney cowls.

3. issuing of additional documents - responsibility of the installer.
Issuing of the technical documentation must include:

- manual of use and maintenance of the appliance and of the components of the system (e.g smoke ducts, chimney flue, etc.);
- Photocopy or photograph of the chimney flue plate;
- system manual: (if applicable);
- Declaration of Conformity in relation to Ministerial Decree 37/08.

4. control and maintenance - responsibility of the maintenance technician who must oversee protection and maintenance of the product during its operation over time. The operator in charge of control and maintenance of the systems for winter and summer climate control performs these activities **to a professional standard** in accordance with the regulations in force. The operator, at the end of these operations, must draw up and sign a technical inspection report in accordance with the models provided by the provisions of this decree and the implementing rules, in relation to the type and capacity of the system, to be issued to the person who signs a copy thereby confirming receipt and reading thereof."

03.2 VENT PIPE

STOVE CHARACTERISTICS FOR SIZING OF THE VENT PIPE

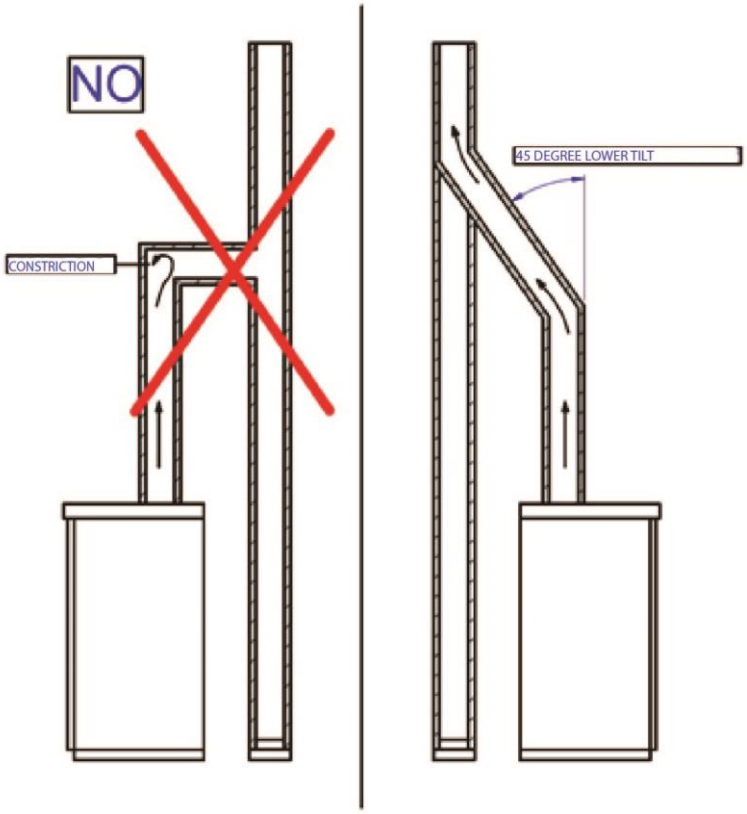
The 7.5 kw pellets stoves have the following characteristics:

Chimney flue draught: 11 Pa
Fume temperature: 164°C
Mass flow of fumes: 5.0 g/s

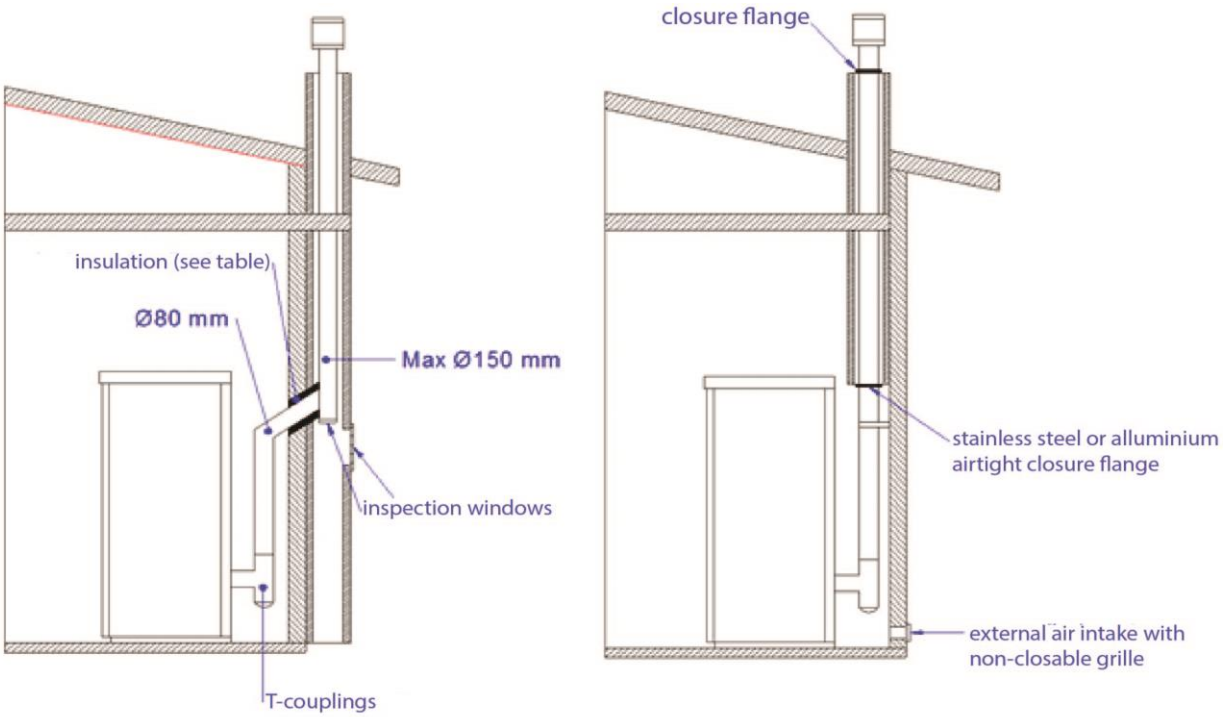
03. INSTALLING THE PRODUCT

The vent pipe is one of the key features for guaranteeing the proper functioning of the stove. Thanks to the quality of the materials, the strength, the durability, the easy cleaning and maintenance, the best vent pipes are made of steel, either stainless steel or aluminised.

- The stove is fitted with a Φ 80mm rear round fume outlet and a joint connection to be connected to the vent pipe.
- Use telescopic joint connections to facilitate connection to the steel rigid vent pipe and counterbalance the thermal expansion of both the firebox and the vent pipe.
- Seal the vent pipe joint connection with high temperature silicone sealant (1,000°C). Should the existing flue opening not be perfectly perpendicular to the firebox fume outlet, use an elbow to connect them. Inclination must never exceed 45°, with respect to the vertical axis.
- No constrictions. Use 10cm-thick insulating thimbles if pipe vent passes through floors.
- The vent pipe must be insulated along its entire length. Thanks to the vent pipe, insulation fume temperature will remain high optimising draught, preventing condensation and reducing build-up of non-ignited particles along the vent pipe walls. Use proper insulating materials (glass wool, ceramic fibre, Class A1 non-combustible materials).
- Install a vent pipe with a minimum vertical run of 2 mt to guarantee proper draught.
- The vent pipe must be weather-proof and as linear as possible.
- Flexible and length-adjustable metal pipes may not be used.

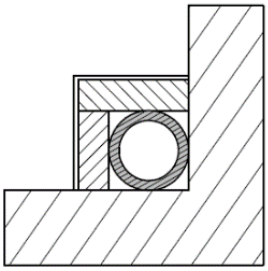
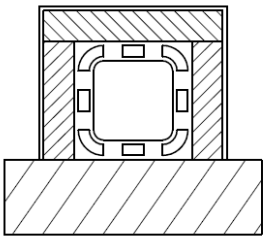
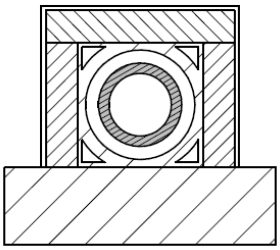
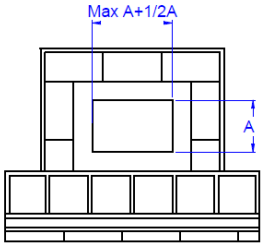


EXISTING VENT PIPE (TRADITIONAL)



Types of vent pipe:

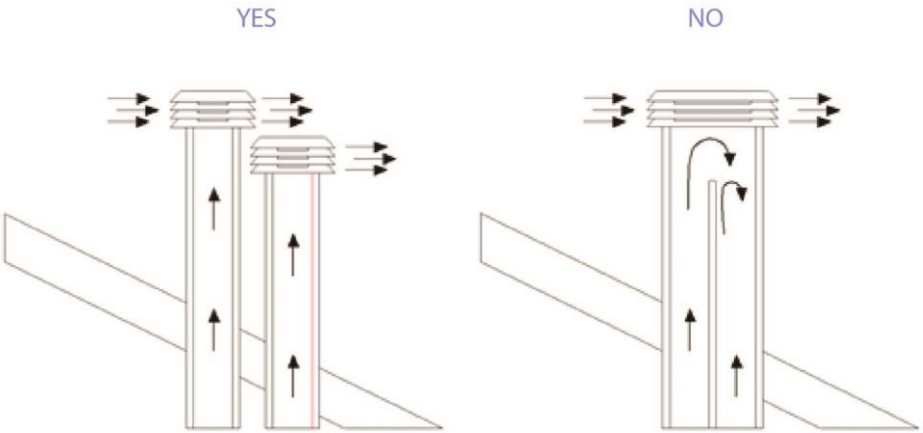
Examples of vent pipe

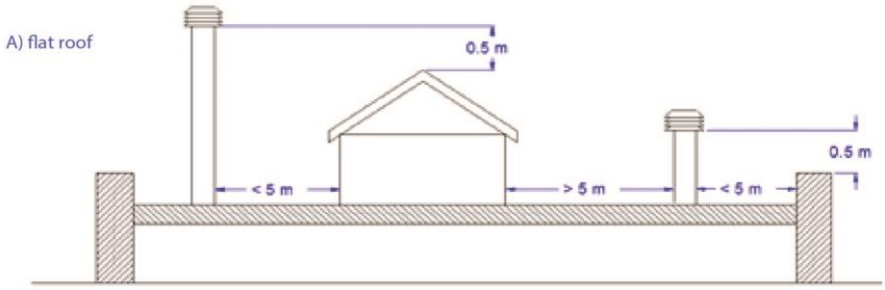
 Steel vent pipe with double chamber insulated with material resistant to 400°C. Optimum efficiency.	 Traditional clay vent pipe with cavities. Optimal efficiency.
 Refractory vent pipe with insulated double chamber and external coating in lightweight concrete. Optimal efficiency.	 Avoid vent pipes with internal rectangular section whose ratio between the larger and smaller side is greater than 1.5. Poor efficiency

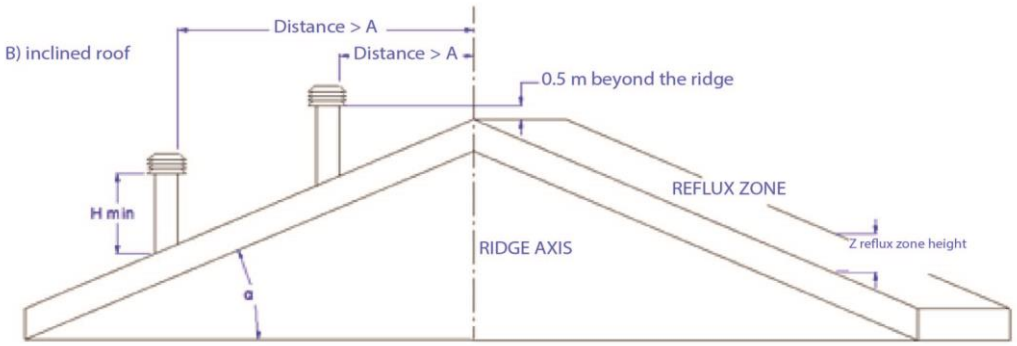
03.3 CHIMNEY COWL

A properly installed chimney cowl ensures optimum stove functioning. The anti-downdraught chimney cowl consists of a number of components whose outlet section sum always doubles the vent pipe section. Make sure the chimney cowl is at least 150cm above the roof top so that it is fully exposed to the wind.
The chimney cowls must:

- have useful outlet section that is at least twice that of the vent pipe.
- be made in such a way as to prevent the penetration of rain or snow.
- be constructed in such a way as to ensure, in the event of winds coming from any direction, the evacuation of combustion products.
- be free of mechanical intake auxiliaries.







Roof pitch α [°]	Horizontal width of reflux zone measured from top A axis [m]	Minimum height from roof for discharging exhaust fumes H min =Z+0.50m	Height of reflux zone Z [m]
15	1.85	1.00	0.50
30	1.50	1.30	0.80
45	1.30	2.00	1.50
60	1.20	2.60	2.10

03.4 DRAUGHT

Fumes heat up during combustion, increasing their volume. Their density is therefore lower than the one of the surrounding colder air.

This difference between the inside and outside temperatures of the chimney results in a negative pressure which increases proportionally to the vent pipe length and the temperature.

The draught must be stronger than the fume circulation resistance so that all exhaust fumes generated during combustion inside the stove are drawn upwards through the outlet and the vent pipe. Many weather conditions affect the vent pipe functioning, such as rain, fog, snow, altitude, and wind being the most important as it can create both negative pressure and dynamic loading.

The wind action varies depending on whether it is ascending, descending or horizontal.

- Ascending wind always results in an increased negative pressure and draught.
- Horizontal wind results in an increased negative pressure as long as the chimney cowl was properly installed.
- Descending wind always diminishes the negative pressure, sometimes inverting it.

Excess draught causes an increase in the combustion temperature and consequently a loss in stove efficiency.

A part of the combustion fumes is drawn up through the vent pipe together with small pellet particles before combustion reducing stove efficiency, increasing fuel consumption and resulting in the emission of polluting fumes.

At the same time the high fuel temperature, due to an excess amount of oxygen, wears down the combustion chamber sooner than expected.

On the other hand, poor draught slows down combustion resulting in a decrease in the stove temperature, fume spillage inside the room, a loss of stove efficiency and dangerous build-up in the vent pipe.

In order to avoid excessive draught it is appropriate to use:

Draught regulator

03.5 STOVE EFFICIENCY

Highly efficient stoves may pose difficulties for fume extraction.

In order for a vent pipe to work properly its internal temperature must increase as a consequence of the fumes generated during combustion.

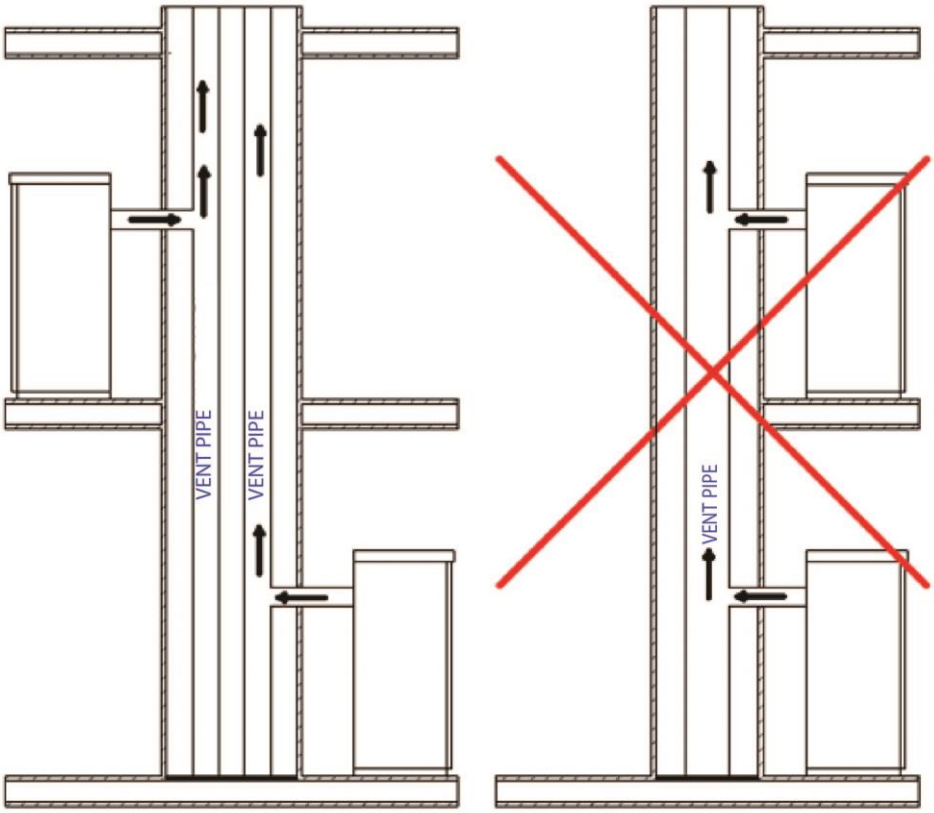
Importantly, the efficiency of a heater is determined by its ability to transfer most of the heat produced to the environment to be heated: consequently, the greater the efficiency of the stove, the "colder" the residual fumes of combustion, and consequently, the lower the "draught".

A traditional chimney flue, with a rough design and insulation, is more efficient if used with a traditional open fireplace or a poor quality stove where most of the heat is lost with the fumes.

Therefore, purchasing a quality stove often entails modifying the existing chimney flue to obtain a better insulation, even when it already works properly with old appliances.

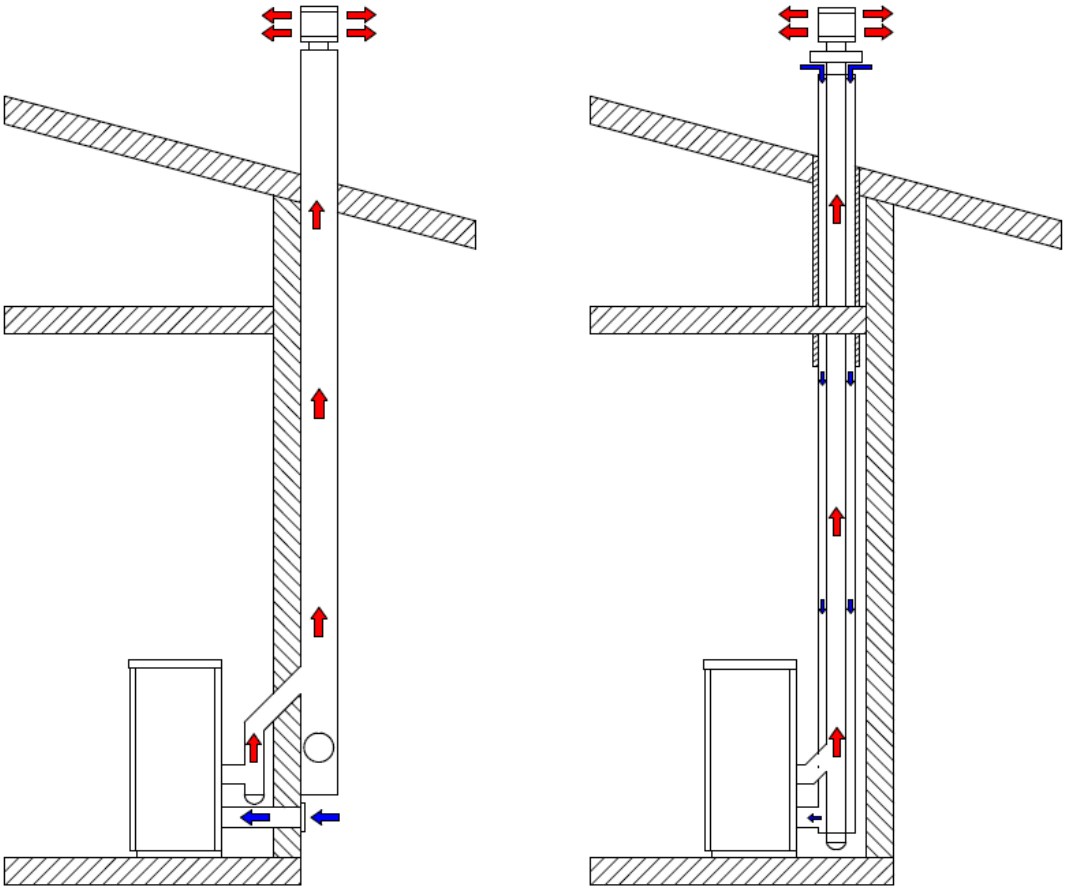
Poor draught results in the stove not operating when hot or in smoke leakage.

- Connecting the stove pipe to an existing chimney flue that has already been used with an old appliance is a common mistake. In this way two solid-fuel appliances share the same chimney flue, which is wrong and dangerous.
- If the two appliances are used simultaneously, the fume load might exceed the existing chimney flue capacity resulting in downdraught. If only one appliance is used, the fume heat will facilitate draught but the cold air coming from the other appliance not in use will cool down exhaust fume temperature again blocking the draught.
- Besides the problems described so far, if the two appliances are placed on different levels the communicating vessel principle might be interfered with, causing combustion fumes to be drawn in an irregular and unforeseeable way.



03.6 INSTALLATION

Using coaxial tubes the air will be pre-warmed contributing to improved combustion and lower emissions into the atmosphere.



Follow the instructions below before installing your stove.

Select the position where the stove is to be installed and:

- Arrange the connection to the vent pipe for fume extraction.
- Arrange the external air intake (combustion air).
- Arrange the connection to the earthed mains.
- The electrical system of the room where the stove is to be installed must be earthed, otherwise the control board may not work properly.
- Place the stove on the floor in a convenient position for the connection to the vent pipe and close to the combustion air intake.
- The appliance must be installed on a floor with an adequate load-bearing capacity.
- Should the existing floor not comply with the requirement above, proper measurements must be taken (for instance, the installation of a load distribution plate).
- All the structures which could catch fire if exposed to excessive heat must be protected. Floors made from wood or inflammable materials must be protected using non-combustible materials (e.g. 4mm-thick sheet metal or ceramic glass).
- The appliance installation must ensure easy access for cleaning the stove, exhaust pipes and vent pipe.
- This appliance is not suitable to be installed on a shared vent pipe.
- During normal operation, the stove draws air from the room where it is installed. Therefore, an external air intake must be positioned at the same height of the pipe located on the stove back. Exhaust fume pipes must be suitable for pellet stoves and therefore made from coated steel or stainless steel, with a diameter of 8cm and fitted with adequate gaskets.

- The combustion air intake must be connected directly to the outside or to adjacent rooms provided they are fitted with external air supply vents and are not used as bedrooms or bathrooms or, whenever a fire hazard exists, as storage rooms, garages, combustible material warehouses, etc. The air vents must be placed in such a way that they cannot be clogged either from the outside or inside and must be protected using a grille, a metal mesh or other suitable means provided they do not reduce the minimum section.
- If the stove is to be installed in rooms where it is surrounded by combustible materials (e.g. furniture, wood cladding, etc.), the following minimum clearances must be complied with: ***See "installation" chapter.***

- Besides complying with the minimum clearances set above, we also recommend installing heat-resistant fireproof insulating panels (rock wool, cellular concrete, etc.).

  We recommend using the following model:

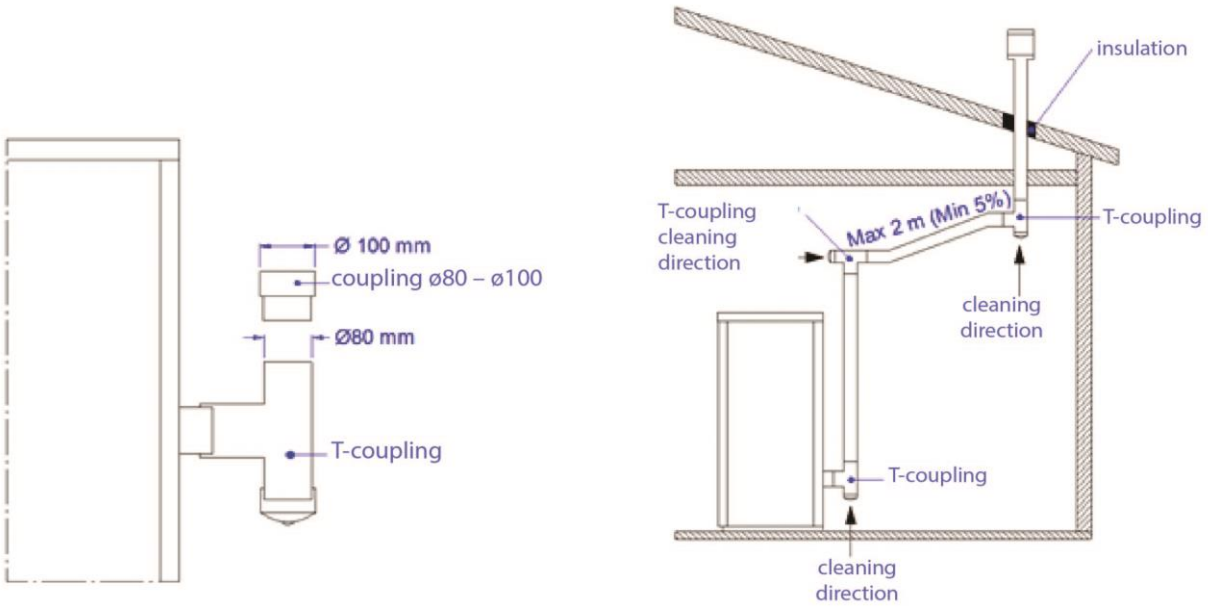
  Promasil 1000

  Classification temperature: 1000 °C
  Density: 245 kg/m^3
  Shrinkage at reference temperature, 12 h: 1,3/1000°C %
  Cold crushing strength: 1,4 MPa
  Bending strength: 0.5 MPa
  Reversible thermal expansion: 5.4x10^{-6} m/mK
  Specific heat capacity: 1.03 Kj/kg K
  Thermal conductivity λ:
  200 °C → 0.07 W/mK
  400 °C → 0.10 W/mK
  600 °C → 0.14 W/mK
  800 °C → 0.17 W/mK
  Thickness: 40 mm

- When it is operational, the stove can cause a negative pressure in the room where it is installed. Therefore there should not be in the same room other naked flame devices, with the exception only of type c stoves (airtight).
- Make sure that the stove can draw the necessary quantity of combustion air: this must be from an open space (i.e. a space without exhaust blowers or providing adequate ventilation) or directly from outside.
- Do not install the stove in bedrooms or bathrooms.
- Unpack the stove: be careful not to damage the product at the time of unpacking.
- Check the stove's legs and adjust them so that the stove is stable.
- Place the stove so that the door and any window openings are not against the walls.
- After connecting the stove to the combustion air inlet join the coupling device to the vent pipe.

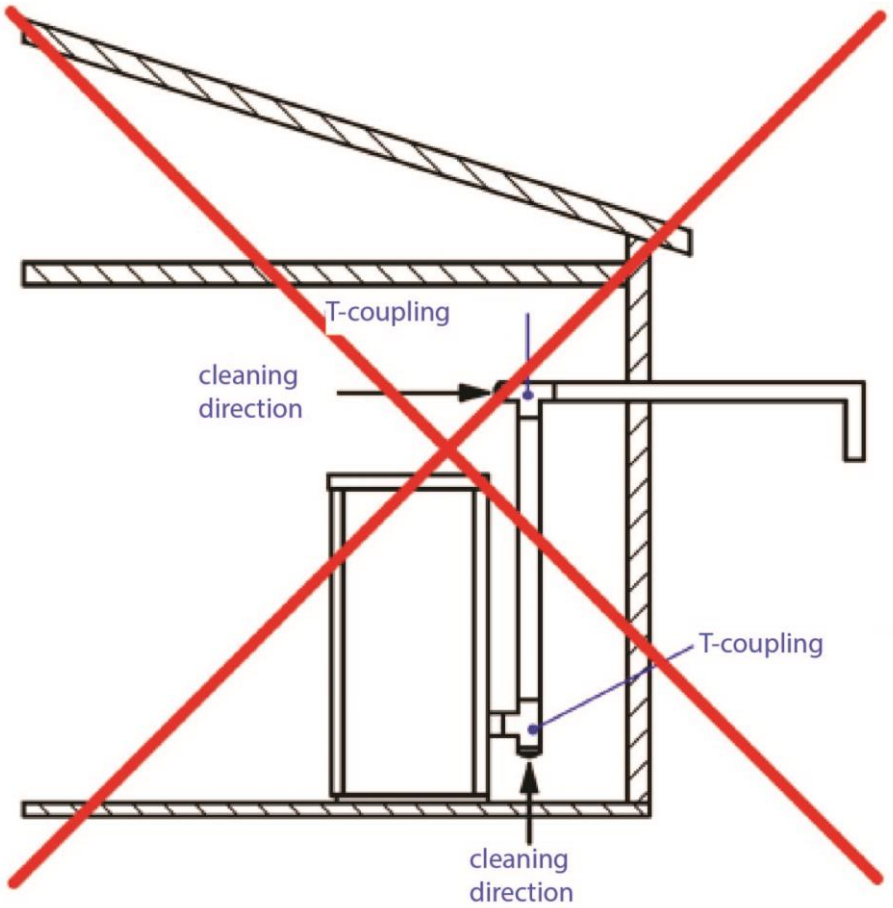
03. INSTALLING THE PRODUCT

INSTALLATION EXAMPLE:



EXAMPLE OF INCORRECT INSTALLATION:

Exhaust pipes must never be fitted pointing downwards or horizontally so that fumes are discharged directly through the external wall.



03. INSTALLING THE PRODUCT

INSTALLATION

Before installing the stove rotate the rear upstand (if any), by loosening the screws.

To install the stove with rear exhaust, it is necessary to break the semi-cut on the rear and then install the pipes.

In compliance with the current regulations for installation, the pellet stove must be installed in a ventilated place with air that is sufficient to ensure correct combustion and therefore good operation. The room must have a volumetry of no less than 20 m3 and to ensure good combustion (40 m3/h of air), there must be a "combustion air intake" that must reach a wall that connects to the outside or to adjacent rooms provided they are fitted with external air supply vents (Ø80mm) and are not used as bedrooms or bathrooms or, whenever a fire hazard exists, as storage rooms, garages, combustible material warehouses, etc. These air vents must be placed in such a way that they cannot be clogged either from the outside or inside and must be protected using a grille, a metal mesh or other suitable means provided they do not reduce the minimum section.

When it is operational, the pellet stove can cause a negative pressure in the room where it is installed. Therefore there should not be in the same room other naked flame devices, with the exception only of type c stoves (air tight) unless they are fitted with their own air flow.

They must not be positioned close to curtains, armchairs, furniture or other flammable materials.

They must not be installed in explosive or potentially explosive environments which may become explosive due to the presence of machinery, materials or dust that can cause greenhouse gas emissions or which can easily ignite with sparks. Before attempting to install the pellet stove, bear in mind that all fixtures or any beams made of combustible material must be placed at a safe distance and outside the radiation area of the stove itself. Also consider that in order not to compromise the correct operation of the appliance, it is essential to create an air circulation inside its casing. To prevent overheating respect the minimum distances and create ventilation holes with a surface of X cm2 as shown above.

ELECTRICAL CONNECTION

The electrical connection must be performed by qualified personnel who install circuit breakers upstream of the appliance.
Special attention should be paid when the operation is a supplementary action and all equipment must operate as planned.
Avoid installations with electric cables that run close to fume pipes or hot components that are suitably insulated.
The voltage is 230 V while the frequency is 50 Hz.
The electrical system where it is connected must be fitted with conductor as required by the Regulations 73/23 EEC and 93/98 EEC.

03. INSTALLING THE PRODUCT

ATTENTION:

The pellet stove must be fitted with a 0.5 m-long pipe (Φ 80 mm) certified to EN 1856-2 standard.

The pellet stove, depending on the model you have purchased, can be installed flush or with free-standing installation. In the case of free-standing installation respect the following distances from combustible wall:

side: 20 cm FREE-STANDING INSTALLATION
rear: 1 cm FREE-STANDING INSTALLATION
front: 100 FREE-STANDING INSTALLATION

In order to recess the stove as in the following image, maintain the following safety distances:

side: 1 cm
rear: 1 cm
front: 100 cm

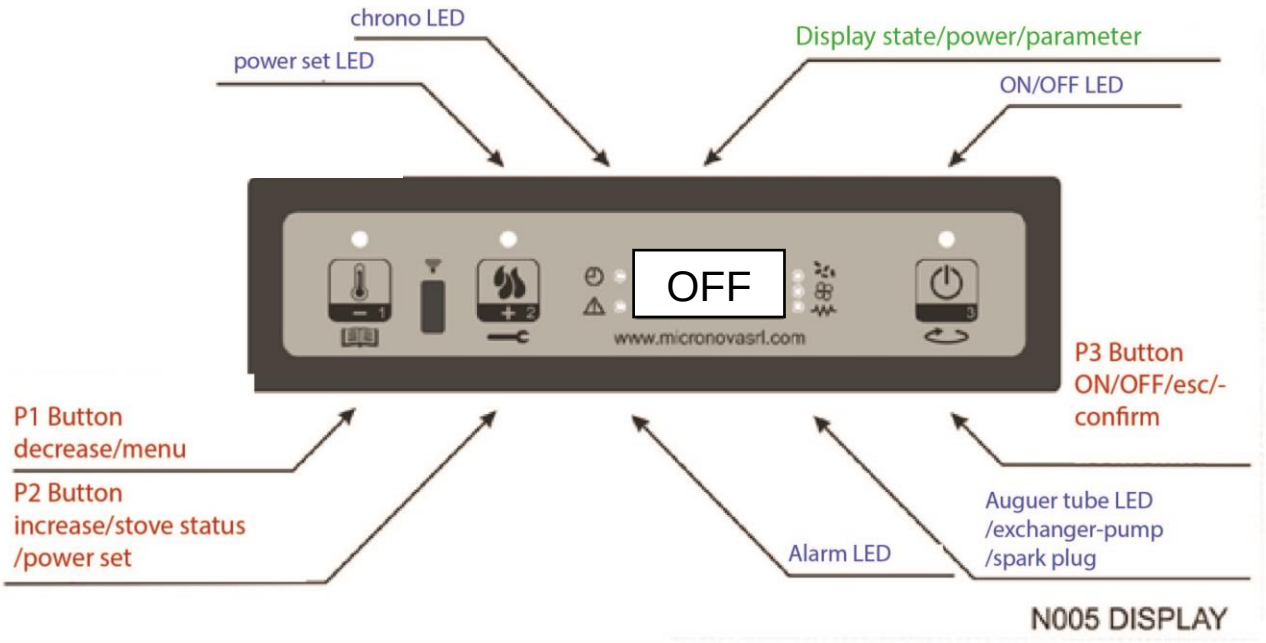
In this case it is possible to place items without difficulty on the hob. The safety distance is given by the heads of the screws installed in the lid. It is possible to close the gap between lid and hob with high-temperature silicone.

04.1 ELECTRONICS WITH 3-BUTTON DISPLAY

Proper functioning and control adjustment devices

Console

The control board can be managed by simply pressing a few buttons on the control panel. A display and the LED indicators inform about the stove operational status. When in programming mode all the parameters that can be modified using the buttons are shown on the display.



Meaning of the LED

LED	***Meaning when switched on***
HEAT OUTPUT SETTING	Heat output value setting
CHRONO	Chrono enabled
ALARM	Stove in alarm
IGNITION PLUG	Ignition plug switching on
AUGER TUBE ON	Auger tube moving
EXCHANGER-PUMP	Exchanger \ pump switched on
ON\OFF	Working status

Display

display	***function***	***status***	***display***
DISPLAY	heat output status parameter label	OFF	OFF+ROOM TEMPERATURE
		SWITCHING ON	ACCENDE+ROOM TEMPERATURE
		FEEDING	CARICA PELLET
		WORKING	HEAT OUTPUT+TIME
		PROGRAMMING	SELECTED PARAMETER

The menu

Hold P1 button down to access the menu.

It includes several items and levels to access settings and control board programming.

User menu

The table below briefly describes the menu structure, focusing in particular on the functions available to users.

level 1	*level 2*	*level 3*	*value*
M1 – time clock setting			-
	Week day		M-T-W-T-F-S-S
	Time clock hours		0-23
	Time clock minutes		0-59
	Time clock day		1-31
	Time clock month		1-12
	Time clock year		00-99
M2 – Chrono setting			
	M2-1 - enable chrono		
		01 – enable chrono	on/off
	M2-2 – daily programming		
		01 – day chrono	on/off
		02 - start 1 day	OFF-0-23:50
		03 - stop 1 day	OFF-0-23:50
		04 - start 2 day	OFF-0-23:50
		05 - stop 2 day	OFF-0-23:50
	M2-3 - weekly programming		
		01 - weekly programming	on/off
		02 - start Prg 1	OFF-0-23:50
		03 - stop Prg 1	OFF-0-23:50
		04 – Monday Prog 1	on/off
		05 - Tuesday Prog 1	on/off
		06 - Wednesday Prog 1	on/off
		07 - Thursday Prog 1	on/off
		08 - Friday Prog 1	on/off
		09 - Saturday Prog 1	on/off
		10 - Sunday Prog 1	on/off
		11 - start Prg 2	OFF-0-23:50
		12 - stop Prg 2	OFF-0-23:50
		13 - Monday Prog 2	on/off
		14 - Tuesday Prog 2	on/off
		15 - Wednesday Prog 2	on/off
		16 - Thursday Prog 2	on/off
		17 - Friday Prog 2	on/off
		18 - Saturday Prog 2	on/off
		19 - Sunday Prog 2	on/off
		20 - start Prg 3	OFF-0-23:50
		21 - stop Prg 3	OFF-0-23:50
		22 - Monday Prog 3	on/off
		23 - Tuesday Prog 3	on/off
		24 - Wednesday Prog 3	on/off
		25 - Thursday Prog 3	on/off
		26 - Friday Prog 3	on/off
		27 - Saturday Prog 3	on/off
		28 - Sunday Prog 3	on/off
		29 - start Prg 4	OFF-0-23:50
		30 - stop Prg 4	OFF-0-23:50
		31 - Monday Prog 4	on/off
		32 - Tuesday Prog 4	on/off
		33 - Wednesday Prog 4	on/off
		34 - Thursday Prog 4	on/off
		35 - Friday Prog 4	on/off
		36 - Saturday Prog 4	on/off
		37 - Sunday Prog 4	on/off

	M2-4 – weekend programming		
		01 – weekend chrono	on/off
		02 - start weekend 1	OFF-0-23:50
		03 - stop weekend 1	OFF-0-23:50
		04 - start weekend 2	OFF-0-23:50
		05 - stop weekend 2	OFF-0-23:50
	M2-5 - exit		set
M3 – select language			
	01 – Italian		set
	02 – English		set
	03 – French		set
	03 - German		set
M4 - stand-by			
	01 -stand - by		On/off
MS – Buzzer			
	01 – buzzer		On/off
M6 – First load			
	01 – First load		90”
M7 – Stove status			
	01 – Stove status		
		01 – Auger tube status	info
		02 – T minutes	info
		03 – Thermostat status	Info
		04 – Fume status	Info
		05 – Exhaust blower rev. status rpm	info
M8 - Technician settings			
	01 - Password		set
M9 - Exit			
	01 - Uscita		set

Menu M01 - time clock setting

Use this function to set current time and date. The control board is equipped with a lithium battery guaranteeing the time clock 3/5 year-long autonomy.

To access the general programming menu, press the P1 button for 2 seconds. Press P1 (decrease) or P2 (increase) button to select M1 item. The message “M1 set time clock” will scroll on the display. (figure 13a)

Figure 13 a

Figure 13 b

Select the desired day and press P3 button (*figure 13b*). Then set the hour (*figure 13c*), minutes (*figure 13d*), day (*figure 13e*), month (*figure 13f*) and year (*figure 13g*) by pressing P1 (decrease) and P2 (increase) buttons. Press P3 button to confirm the desired value.

figure 13c

figure 13d

figure 13e

figure 13f

figure 13g

Menu M02 - time clock setting

Sub-menu M2 - 1 – Enable chrono

All programmable thermostat functions can be disabled and enabled by means of the menu that appears on the display "M2 set chrono" (M2 chrono set). Press P3 button and then P1 or P2, for selecting On or Off respectively, to enable the programmable thermostat. Press P3 button to confirm. (figure 14a)

figure 14a

Sub-menu M2 - 2 – Daily programming

After selecting menu "M2-2 day programm", press P3 button to scroll through the different programming parameters available for the daily programmable thermostat, including the possibility of enabling it (*figure 14b*).

figure 14b

It is possible to set two on/off times (the first with **START1 Day** and **STOP1 Day** and the second with **START2 Day** and **STOP2 Day**) defined by the times set according to the table below. If the value is set to OFF, the time clock ignores the control. Use P1 (decrease) and P2 (increase) buttons to modify the value and P3 to confirm.

DAILY PROGRAMMING			
Menu level	***setting***	***meaning***	***Available values***
M2-2-01	DAY CHRONO	Enable daily chrono	ON/OFF
M2-2-02	START 1 Day	Switching-on time	OFF-0-23:50
M2-2-03	STOP 1 Day	Switching-off time	OFF-0-23:50
M2-2-04	START 2 Day	Switching-on time	OFF-0-23:50
M2-2-05	STOP 2 Day	Switching-off time	OFF-0-23:50

Sub-menu M2 - 3 – Weekly programming

The weekly programmable thermostat functions can be enabled/disabled and set using the menu "M2-3 Program Week-" (M2-3 Week Programm). The weekly programming function features 4 independent programmes. Moreover, if the time is set to OFF, the time clock ignores the corresponding control.

The weekly programming function is briefly described in the tables below. Press P3 to confirm the value and pass to the following function. Hold P3 button down to exit the menu.

ENABLING WEEKLY CHRONO			
menu level	***setting***	***meaning***	***available values***
M2-3-01	WEEKLY CHRONO	Enable weekly chrono	ON/OFF

PROGRAMME 1			
menu level	***setting***	***meaning***	***available values***
M2-3-02	START PRG 1	switching-on time	OFF-0-23:50
M2-3-03	STOP PRG 1	switching-off time	OFF-0-23:50
M2-3-04	MONDAY PRG 1		on/off
M2-3-05	TUESDAY PRG 1		on/off
M2-3-06	WEDNESDAY PRG 1		on/off
M2-3-07	THURSDAY PRG 1		on/off
M2-3-08	FRIDAY PRG 1		on/off
M2-3-09	SATURDAY PRG 1		on/off
M2-3-10	SUNDAY PROG 1		on/off
PROGRAMME 2			
menu level	***setting***	***meaning***	***available values***
M2-3-1 1	START PRG 2	switching-on time	OFF-0-23:50
M2-3-12	STOP PRG 2	switching-off time	OFF-0-23:50
M2-3-13	MONDAY PRG 2		on/off
M2-3-14	TUESDAY PRG 2		on/off
M2-3-15	WEDNESDAY PRG 2		on/off
M2-3-16	THURSDAY PRG 2		on/off
M2-3-17	FRIDAY PRG 2		on/off
M2-3-18	SATURDAY PRG 2		on/off
M2-3-19	SUNDAY PROG 2		on/off
PROGRAMME 3			
menu level	***setting***	***meaning***	***available values***
M2-3-20	START PRG 3	switching-on time	OFF-0-23:50
M2-3-21	STOP PRG 3	switching-off time	OFF-0-23:50
M2-3-22	MONDAY PRG 3		on/off
M2-3-23	TUESDAY PRG 3		on/off
M2-3-24	WEDNESDAY PRG 3		on/off
M2-3-25	THURSDAY PRG 3		on/off
M2-3-26	FRIDAY PRG 3		on/off
M2-3-27	SATURDAY PRG 3		on/off
M2-3-28	SUNDAY PROG 3		on/off
PROGRAMME 4			
menu level	***setting***	***meaning***	***available values***
M2-3-29	START PRG 4	switching-on time	OFF-0-23:50
M2-3-30	STOP PRG 4	switching-off time	OFF-0-23:50
M2-3-31	MONDAY PRG 4		on/off
M2-3-32	TUESDAY PRG 4		on/off
M2-3-33	WEDNESDAY PRG 4		on/off
M2-3-34	THURSDAY PRG 4		on/off
M2-3-35	FRIDAY PRG 4		on/off
M2-3-36	SATURDAY PRG 4		on/off
M2-3-37	SUNDAY PROG 4		on/off

Sub-menu M2 - 4 – weekend programming

The programmable thermostat functions can be enabled/disabled and set for the weekend (days 6 and 7, or Saturday and Sunday). Select "chrono weekend" (weekend chrono) item and press P3 button to enable it. Then select "on" using P1 (decrease) or P2 (increase) button. Set **Start 1 fine - sett** and **Stop 1 fine – sett** times to define the stove operating period concerning **Saturday** and the **Start 2 fine - sett** and **Stop 2 fine - sett** times to define the stove operating period concerning **Sunday**.

WEEKEND PROGRAMMING			
menu level	***setting***	***meaning***	***available values***
M2-4-01	WEEKEND CHRONO	Enable weekend chrono	ON/OFF
M2-4-02	START 1 WEEKEND	switching-on time	OFF-0-23:50
M2-4-03	STOP 1 WEEKEND	switching-off time	OFF-0-23:50
M2-4-04	START 2 WEEKEND	switching-on time	OFF-0-23:50
M2-4-05	STOP 2 WEEKEND	switching-off time	OFF-0-23:50

Menu M03 – select language

Use this function to select one of the languages available (*figure 15*). Press P2 (increase) and P1 (decrease) buttons to scroll through the options and press P3 button to confirm.

figure 15

Menu M05 - buzzer mode

Use this function to enable or disable the control board buzzer during alarms (*figure 17*). Press P1 or P2 button to enable or disable this function and P3 button to confirm.

figure 17

Menu M06 – first load

This function is only available when the stove is switched **OFF**. It allows the auger tube to be loaded upon the first stove start-up when the pellet hopper is empty. After selecting menu M6, the message "Pressure inc" (*figure 18a*) will scroll on the display. Then press P2 (increase). The exhaust blower switches on at the maximum speed and the auger tube (auger tube LED on) starts working. They will switch off once the period of time indicated on the display (*figure 18b*) has elapsed or after pressing P3 button.

figure 18°

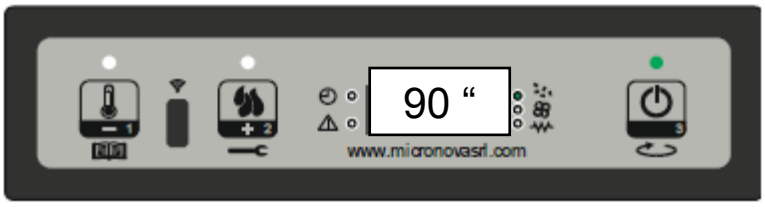


figure 18b

Menu M07 – stove status

After entering menu M7 by pressing P3 button, the status of a few parameters with stove in working mode scrolls on the display. The table below contains an example of the values scrolling on the display together with their meaning.

Displayed status	***meaning***
3.1”	Auger tube pellet feeding status
52’	Time out
Toff	Thermostat status
106°	Fume temperature
1490	Exhaust blower speed

Menu M08 – technical calibration

This menu item is reserved to the stove installer. After entering the password (figure 19), P1 (decrease) and P2 (increase) buttons allow all the stove working parameters to be set.

figure 19

Menu M09 – exit

Select this item by pressing the P3 button (*figure 20*) to exit the menu and to go back to the previous status.

figure 20

User functions

Standard functioning of a control board properly installed on an air stove is described below with reference to the functions available to users.

Before switching on the stove, the control board display is as in *figure 3.*

figure 3

Stove ignition

First connect the stove plug to the mains and load the pellet hopper.
Be careful not to empty the entire bag at once. Perform this operation slowly. The combustion chamber and the burn pot must be cleaned, removing any combustion residue. Verify that the hopper lid and the door are closed. Failure to do so could cause a malfunction of the stove and subsequent related alarms. Upon initial start-up ensure that in the burn pot there are no components that will burn (feet bag, instructions, etc.).

Hold P3 button down for a few seconds to switch on the stove. The message "Ignition" (as in figure 4) appears on the display and the ON/OFF LED starts flashing if the stove has successfully switched on. This phase lasts for the period of time set by PR0 1 parameter.

During this phase the stove goes into the pre-heating status: the ignition plug (as indicated by the relevant LED) and the exhaust blower switch on. (*figure 4*)

Any problem detected during the switching-on phase is indicated on the display and the stove goes into the alarm status.

figure 4

Pellet feeding

The pellet feeding phase starts after approx. 1 minute: the message "Load pellets" scrolls on the display and the ON/OFF LED starts flashing. During the first stage the Auger tube feeds the pellets to the burn pot during a period of time set by PR40 parameter (Auger tube LED on), the exhaust blower speed is set by PR42 parameter and the ignition plug is still on (ignition plug LED on).

During the second stage, once the period of time set by PR40 parameter has elapsed, the auger tube switches off (auger tube LED off) during a period of time set by PR4 1 parameter, while the exhaust blower speed remains as in the previous status. In case of ignition failure at the end of this phase, the auger tube switches back and remains on during the period of time set by PR04 parameter, the exhaust blower speed is set by PR1 6 parameter and the ignition plug is still on. (*figure 5*)

figure 5

Fire present

Once fume temperature has reached and exceeded PR13 parameter value, the stove goes into the ignition mode: the message "Fire present" appears on the display and the ON/OFF LED starts flashing.
During this phase the temperature remains stable for a period of time preset by PR02 parameter.
The exhaust blower speed is set by PR17 parameter, the auger tube remains on for a period of time set by PR05 parameter (auger tube LED flashing) and the ignition plug is off (ignition plug LED off). (*figure 6*)
Any problem during this phase will cause the control board to stop and the stove to go into error state.

figure 6

Stove operational.

Once fume temperature has reached and exceeded PR13 parameter value, maintaining it for the period of time set by PR02 parameter, the stove enters the normal working mode. The message "Working" appears on the display and the ON/OFF LED is on. Hold P2 button down to set the heat output and press P1 button to set the room temperature. (figure 7a)
If fume temperature reaches the threshold set by PR1 5 parameter, the air exchanger fan will switch on. (exchanger LED lit).

figure 7a

During this phase, after a period of time set by PR03 parameter, the stove cleans the burn pot. The message "Butt-burn pot" scrolls on the display, the Auger tube is on (as the relevant LED) at a speed set by PR09 parameter and the exhaust blower at a speed set by PR08 parameter. (*figure 7b*)
Once the period of time set by PR12 parameter has elapsed, the stove goes back to the working mode.

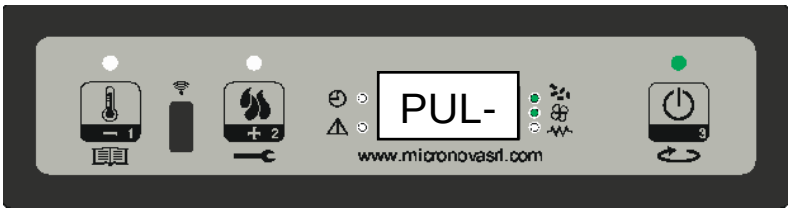


figure 7b

Changing set heat output

During stove normal operation ("Working" – working mode), the heat output can be changed by using the P2 button (Heat output setting LED on). (Heat output set LED on).
Press P2 button again to increase the heat output and P1 button to decrease it. The display will show the set heat output. (*figure 8*)
Do not press any button for 5 seconds or press P3 button to exit the setting mode.

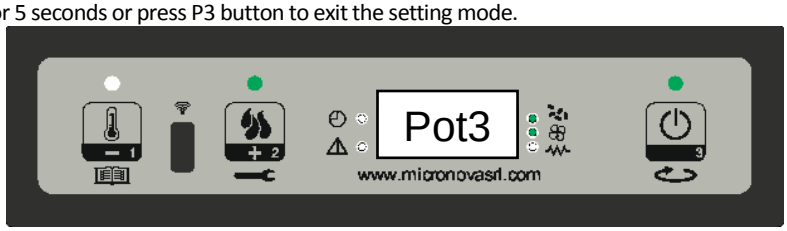


figure 8

The heat outputs are regulated in this way:

PTN1, PTN2, PTN3, PTN4, PTN5: heat outputs with ventilation.
PT-1, PT-2, PT-3, PT-4, PT-5: heat outputs without ventilation.
If during the summer it is necessary to cook or use for whatever reason the stove you can use the PT heat outputs such that the ventilation does not heat the environment.

Stove switch off

Hold P3 button down to switch off the stove. The display shows the message "Butt-Final". (figure 12a)
The auger tube motor switches off (auger tube LED off), the exhaust blower speed is set by PR08 parameter and the ON/OFF LED flashes.

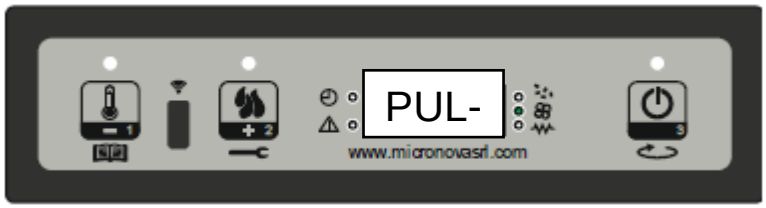


figure 12a

The fan of the exchanger (exchanger LED on) remains active until the fume temperature falls below the value set in the parameter PR1 5. After a time given by the PR39 parameter, if the fume temperature is below the threshold given by the parameter PR1 0, the stove switches off, displaying the message "Off". (*figure 12b*)

figure 12b

Alarms

Should any malfunctioning be detected, the control board reports the problem in question: the alarm LED switches on (alarm LED on) and the buzzer goes off.

The possible alarm messages are listed below:

Cause	Display shows
Power outage	**AL 1 ALAR AL 1BLAC-OUT**
Fume temperature sensor	**AL 2 ALAR AL2 FUME SENSOR**
Fume overheating	**AL 3 ALAR AL3 HOT FUMES**
Faulty fume encoder	**AL 4 ALAR AL 4 ASPIRAT-FAULT**
Ignition failure	**AL 5 ALAR AL 5 NO IGNIT-**
No pellets	**AL 6 ALAR AL 6 NO PELLETS**
Thermal safety overheating	**AL 7 ALAR AL 7 SAFETY– HEAT**
No neg. pressure	**AL 8 ALAR AL 8 NO NEG PRESS-**

In case of alarm, the stove is always immediately switched off

EXCEPT FOR THE POWER OUTAGE ALARM, the alarm status is reached at the end of the period of time set by PR1 1 parameter and can be cleared by holding P3 button down. Whenever an alarm is cleared, the stove starts a switching-off phase for safety reasons. The alarm LED (alarm LED on) will remain on and the buzzer, if enabled, will sound intermittently during the entire alarm phase. Should the alarm not be cleared, the stove will in any case be switched off and the alarm message will remain on the display.

Power outage alarm

Power outage may occur with stove in working mode. When power resumes, if the power outage period has been lower than the value set by PR48 parameter, the stove will restart in the **WORKING** mode. Otherwise the relevant alarm will be triggered.
The message “Al 1 alar al 1 Blac-out” (*figure 21*) scrolls on the display and the stove switches off.

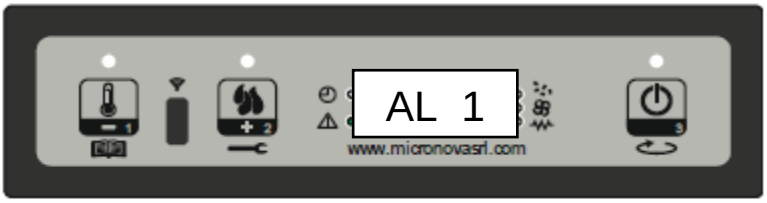


figure 21

Fume temperature sensor alarm

The alarm is triggered in case of faulty fume sensor. The stove goes into the alarm status and the alarm LED switches on (alarm LED on). The message “Al 2 alar al 2 Fume sensor” (*figure 22*) will scroll on the display and the stove will switch off.

figure 22

Fume overtemperature alarm

The alarm is triggered whenever the fume sensor detects a temperature higher than a fixed set value, which may not be modified by means of a parameter. The message “Al 3 alar al 3 Hot fumes” (*figure 23*) appears on the display and the stove switches off.

figure 23

Faulty fume encoder alarm

The alarm is triggered in case of exhaust blower failure. The stove goes into the alarm status and the message “Al 4 alar al 4 Aspirat– fault” (*figure 24*) will scroll on the display.

figure *24*

Ignition failure alarm

The alarm is triggered in case of ignition phase failure. This happens if when the time given by the parameter PR0 1 having elapsed the fume temperature does not exceed parameter PR1 3. The message “Al 5 alar al 5 no pellets" scrolls on the display and the stove goes into the alarm status (*figure 25*).

figure 25

No pellet alarm

The alarm is triggered when fume temperature falls below the value set by PR13 parameter with stove in working mode. The message “Al 6 alar al 6 no pellets" scrolls on the display and the stove goes into the alarm status (*figure 26*).

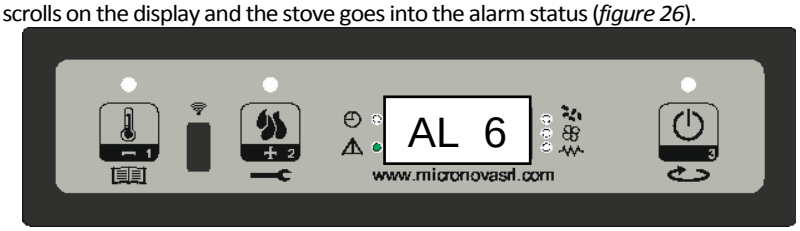


figure 26

Thermal safety overheating alarm

The alarm is triggered whenever the general safety thermostat detects a temperature exceeding the trigger threshold. The thermostat switches off the Auger tube, being connected in series to its power supply, the control board reports the alarm status (alarm LED on) by showing the message “Al 7 alar al 7 Safety– heat” on the display (*figure 27*) and the stove switches off.

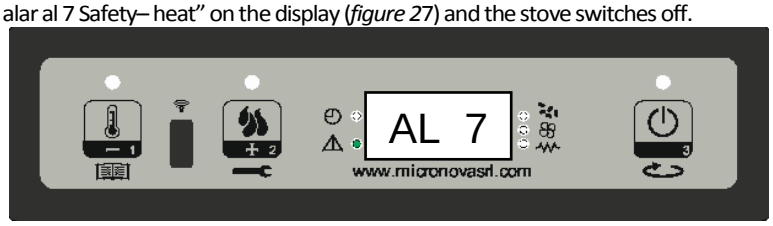


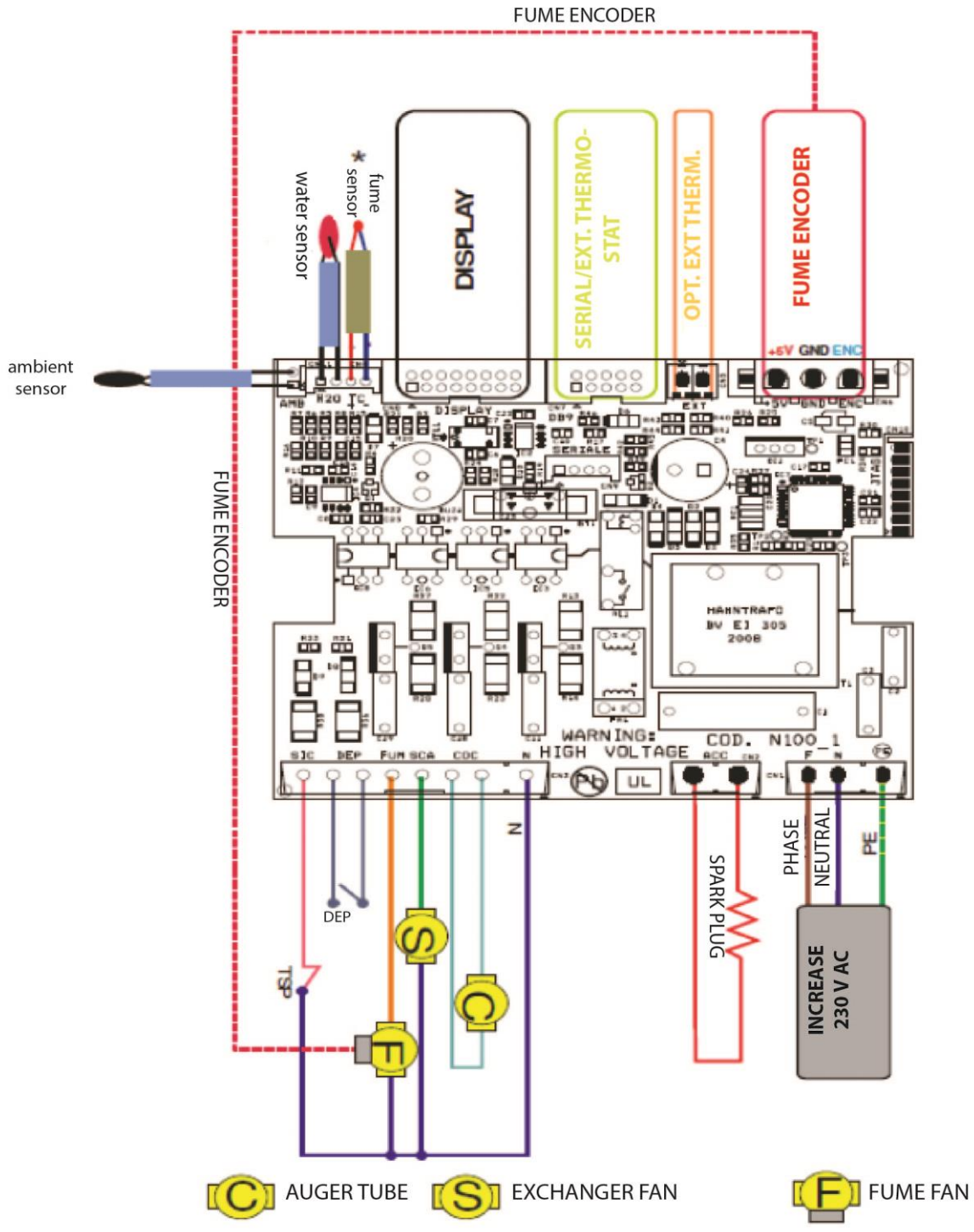
figure 27

No negative pressure alarm

The alarm is triggered whenever the external pressure switch detects a pressure/negative pressure value below the trigger threshold. The pressure switch switches off the Auger tube, being connected in series to each other, and the control board reports the alarm status (alarm LED on) by showing the message “Al 8 alar al 8 No neg press-” on the display (*figure 28*). The stove switches off.

figure 28

Connections



DEP = PRESSURE METER

TSP=PELLET COMPARTMENT SAFETY THERMOSTAT

* FOR CORRECT OPERATION RESPECT THE POLARITY OF THE THERMOCOUPLE

figure 1

14.1 Forewords

The stove requires a simple yet constant cleaning to guarantee top efficiency and proper functioning.

Constant maintenance by a qualified technician is recommended.

The stove should be cleaned before the cold season because it can sometimes get clogged during the summer (by nests for example) preventing exhaust fumes to flow regularly.

At the beginning of the season and in case of wind, a build-up of residue in the pipe may lead to fires. Should this happen, find below a few pieces of advice to follow:

- **Block air supply to the pipe immediately;**
- **Throw sand or kitchen salt, and not water, to extinguish fire and coals;**
- **Keep objects and furniture away from the burning pipe.**

ALSO TO PREVENT THIS TYPE OF FAULT YEARLY CLEANING OF THE VENT PIPE IS ESSENTIAL, REMOVING DEPOSITS OR ANY POCKETS OR OBSTRUCTIONS.

ATTENTION:

- **USE A DRY CLOTH TO CLEAN THE STOVE EXTERNALLY**
- **THE AUGER TUBE MUST BE COMPLETELY EMPTIED FROM PELLETS WHEN USING THE STOVE FOR THE LAST TIME AT THE END OF THE SEASON. THE AUGER TUBE MUST REMAIN EMPTY TO PREVENT IT FROM BECOMING CLOGGED BY SAWDUST RESIDUES THAT HAVE SOLIDIFIED DUE TO MOISTURE.**

14.2 Daily cleaning

Any cleaning operation must be performed when the stove is completely cold:

- Remove the burn pot from its seat, aspirate it, remove any encrusted pellets.
- Empty the ash drawer: vacuum it out or dispose of the ashes in a waste bin.
- Vacuum the combustion chamber: check that there are no embers that may still be lit. In this case your dust vacuum cleaner will catch fire.
- Remove the ash inside firebox and on door.
- Wipe the glass with a damp cloth or a damp ball of newspaper dipped into the ashes. If the operation is performed with the stove hot there is a risk of the glass exploding.

It is also possible to raise the plate (or glass) and aspirate the fume circulator.

When the fume circulator is clean ensure the plate is well positioned.

ATTENTION: USE A DRY CLOTH TO CLEAN THE STOVE EXTERNALLY DO NOT USE ABRASIVE MATERIALS OR PRODUCTS THAT MAY CORRODE OR WHITEN THE SURFACES.

14.3 Manufacturer liability

The manufacturer shall not be held liable against any direct and/or indirect, criminal and/or third party liability arising from:

- failure to abide by the instructions contained herein.
- non-authorised repair operations or changes.
- use not compliant with safety rules.
- installation not compliant with national current regulations and safety rules.
- insufficient maintenance;
- the use of spare parts that are not original or are not specific to the model.

06. TROUBLESHOOTING

PROBLEM		CAUSE	SOLUTION
FIRST START-UP		**IT MAY BE NECESSARY TO REPEAT THE FIRST LOAD PHASE A FEW TIMES TO FACILITATE THE APPLIANCE INITIAL START-UP AS THE AUGER TUBE IS COMPLETELY EMPTY AND IT MAY TAKE A SPECIFIC PERIOD OF TIME TO FILL.**	
DISPLAY SWITCHED OFF		POWER OUTAGE	CHECK PLUG AND POWER SUPPLY.
		FAULTY ELECTRICAL CABLE	CALL TECHNICAL ASSISTANCE.
		INTERRUPTED FUSE IN CONTROL BOARD	CALL TECHNICAL ASSISTANCE.
		FAULTY CONTROL BOARD	CALL TECHNICAL ASSISTANCE.
		FAULTY DISPLAY	CALL TECHNICAL ASSISTANCE.
ALARM **NO FIRE**	**PELLETS NOT FED TO BURN POT**	NO PELLETS	CHECK HOPPER
		SAFETY THERMOSTAT TRIGGERED	MANUALLY RESET THE THERMOSTAT LOCATED ON STOVE BACK.
		AUGER TUBE BLOCKED BY FOREIGN BODY	DISCONNECT PLUG, EMPTY HOPPER, REMOVE ANY FOREIGN BODY, SUCH AS NAILS, ETC.
		FAULTY AUGER TUBE MOTOR	CALL TECHNICAL ASSISTANCE.
		ACTIVE ALARM	SEE ALARM SECTION.
	PELLETS FALL BUT NOT LIT	DIRTY BURN POT	CLEAN BURN POT.
		TEMPERATURE TOO COLD	REPEAT SWITCHING-ON PHASE SEVERAL TIMES, EMPTYING THE BURN POT UPON EACH TIME.
		DAMP PELLETS	CHECK PELLET STORAGE LOCATION.
		FAULTY IGNITION PLUG	CALL TECHNICAL ASSISTANCE.
		FAULTY FUME SENSOR	CALL TECHNICAL ASSISTANCE.
		FAULTY EXHAUST BLOWER	CALL TECHNICAL ASSISTANCE.
		FAULTY CONTROL BOARD	CALL TECHNICAL ASSISTANCE.
	STOVE SWITCHES OFF DURING NORMAL FUNCTIONING	POWER OUTAGE	CHECK PLUG AND POWER SUPPLY.
		NO PELLETS	CHECK HOPPER
		AUGER TUBE BLOCKED BY FOREIGN BODY	DISCONNECT PLUG, EMPTY HOPPER, REMOVE ANY FOREIGN BODY, SUCH AS NAILS, ETC.
		POOR QUALITY PELLETS	CHANGE PELLET TYPE.
		INSUFFICIENT PELLET SET VALUE AT MINIMUM HEAT OUTPUT	CALL TECHNICAL ASSISTANCE.
		ACTIVE ALARM	SEE ALARM SECTION.
POOR FLAME		ANTI-EXPLOSION DEVICE PLUG MISSING OR NOT CORRECTLY POSITIONED.	
		PARTIALLY CLOGGED VENT PIPE	CLEAN VENT PIPE IMMEDIATELY.
		COMBUSTION AIR NOT SUFFICIENT	CLOGGED AIR INTAKE.
		CLOGGED STOVE	CLEAN BURN POT AND ASH DRAWER.
		FAULTY / DIRTY EXHAUST BLOWER	GET IT CLEANED BY A SPECIALISED TECHNICIAN CALL TECHNICAL ASSISTANCE
		INADEQUATE COMBUSTION AIR SET VALUE	CALL TECHNICAL ASSISTANCE.
ALARM NO RETE		POWER OUTAGE	SWITCH STOVE ON AND OFF, CHECK PLUG.
RiS / ECO		SET ROOM TEMPERATURE REACHED / STOVE WORKS PROPERLY	
DISPLAY DOES NOT WORK		SET ROOM TEMPERATURE REACHED	INCREASE SET ROOM TEMPERATURE SO THAT APPLIANCE GOES BACK TO "WORKING" MODE.
STOP FIRE		PERIODIC CYCLE OF BURN POT CLEANING	STOVE WORKS PROPERLY
ALARM DEP		EXCESSIVE OR INADEQUATE VENT PIPE LENGTH	NON-COMPLIANT VENT PIPE
		CLOGGED OUTLET	CLEAN VENT PIPE / CALL AUTHORISED TECHNICIAN.
		BAD WEATHER CONDITIONS	STRONG WIND.

06. TROUBLESHOOTING

ALARM SIC FIREBOX OVERHEATING	LET STOVE COOL DOWN, MANUALLY RESET THERMOSTAT ON BACK.	LET STOVE COOL DOWN, MANUALLY RESET THERMOSTAT ON BACK. IF THE PROBLEM REMAINS UNSOLVED, CONTACT A SPECIALISED TECHNICIAN.
	TEMPORARY POWER OUTAGE	LET STOVE COOL DOWN, MANUALLY RESET THERMOSTAT ON BACK. SWITCH STOVE ON AGAIN.
	FAULTY EXCHANGER BLOWER	CALL TECHNICAL ASSISTANCE.
	FAULTY THERMOSTAT WITH RESET	CALL TECHNICAL ASSISTANCE.
	FAULTY CONTROL BOARD	CALL TECHNICAL ASSISTANCE.
SENSOR ALARM FUMES	FAULTY FUME SENSOR	CALL TECHNICAL ASSISTANCE.
	FUME SENSOR DISCONNECTED	CALL TECHNICAL ASSISTANCE.
ALARM HOT TEMP	FAULTY FUME SENSOR	CALL TECHNICAL ASSISTANCE.
	FAULTY CONTROL BOARD	CALL TECHNICAL ASSISTANCE.
	FAULTY EXCHANGER BLOWER	CALL TECHNICAL ASSISTANCE.
	EXCESSIVE PELLET SET VALUE AT MAXIMUM HEAT OUTPUT	CALL TECHNICAL ASSISTANCE.
REMOTE CONTROL NOT CONNECTING (SEARCH FIELD)	POSSIBLE INTERFERENCE	TRY DISCONNECTING FROM THE MAINS SUPPLY ANY HOUSEHOLD APPLIANCE OR ANY OTHER APPLIANCE THAT MAY GENERATE ELECTROMAGNETIC FIELDS.
REMOTE CONTROL DOES NOT SWITCH ON	DISPLAY SWITCHED OFF	CHECK BATTERY / FAULTY REMOTE CONTROL.

Date 1st maintenance _____ / _____ /

(Technical Assistance Centre stamp)

Date 2nd maintenance _____ / _____ /

(Technical Assistance Centre stamp)

Date 3rd maintenance _____ / _____ /

(Technical Assistance Centre stamp)

08. CERTIFICATE OF INSTALLATION AND TESTING

CERTIFICATE OF INSTALLATION AND TESTING

CUSTOMER: _____

ROAD: _____

CITY: _____

POSTAL CODE: _____

PROVINCE: _____

TEL: _____

Delivery date:_____

Delivery date: _____

Equipment mod.: _____

Serial number: Year:

Retailer's Stamp:

Installer's stamp:

First name: _____
Last Name: _____
Address: _____Postal code:
Location: _____
Tel:

The customer acknowledges that, upon completion of the installation of the device, the works were carried out professionally and in accordance with the instructions in this user manual. The same also states that they acknowledge perfect functioning and are aware of the information needed to correctly use, operate and perform maintenance on the appliance.

Signature of the CUSTOMER

Signature of the RETAILER / INSTALLER

Copy of the retailer or installer

CERTIFICATE OF INSTALLATION AND TESTING

CUSTOMER: _____

ROAD: _____

CITY: _____

POSTAL CODE: _____

PROVINCE: _____

TEL: _____

Delivery date:_____

Delivery date: _____

Equipment mod.: _____

Serial number: Year:

Retailer's Stamp:

Installer's stamp:

First name: _____
Last Name: _____
Address: _____Postal code:
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Tel:

The customer acknowledges that, upon completion of the installation of the device, the works were carried out professionally and in accordance with the instructions in this user manual. The same also states that they acknowledge perfect functioning and are aware of the information needed to correctly use, operate and perform maintenance on the appliance.

Signature of the CUSTOMER

Signature of the RETAILER / INSTALLER

Congratulations! Thank you for purchasing an Eva Stampaggi product.

Warranty

The warranty period is **two** years if fiscally described as sold to an individual (Legislative Decree no. 24 of 02.02.2002) and **one** year if sold to a company or profession (subject to VAT).

The tax document referred to the product purchase gives validity to the warranty and the date on it shall be used to calculate the warranty period.

The warranty provided shall be subject to the following terms and conditions:

You can contact the staff in charge of the **after-sale** procedure by calling **0438.35469** or by sending an email to info@evacalor.it

Our qualified staff will provide you with information concerning technical, installation or maintenance problems.

Should it prove impossible to solve the issue over the phone, our staff will forward it to the **T**echnical **S**upport **S**ervice closest to you, which will guarantee assistance from a technician within 5 working days.

Any parts replaced during the warranty period shall be covered for the remaining period of the purchased product warranty.

The manufacturer shall not pay the customer any indemnities for the inconvenience of not being able to use the product during the period required for repairing.

Should it be necessary to replace the product, the manufacturer will deliver it to the retailer who will then deliver it to the end user following the same procedure as for the product purchase.

This warranty is valid within Italy. Should the product be sold or installed abroad the warranty shall be recognised by the distributor in charge of the relevant territory.

This warranty covers the repair or replacement of faulty parts or components or of the entire product at our sole discretion.

Whenever you require assistance, you may be asked to provide:

- Serial number
- Stove model
- Purchase date
- Purchase location
- Warranty activation certificate filled in by an authorised Technical Assistance Centre

The warranty shall not cover:

- **Non-compliant installation or installation carried out by non-qualified staff (UNI10683 and UNI EN 1443);**
- **First ignition not carried out by an authorised technician;**
- **Improper use, such as keeping the stove switched on for too long at maximum heat output;**
- **Annual stove maintenance carried out by someone other than one of our authorised Technical Assistance Centres;**
- **Vent pipe cleaning not carried out;**

The warranty will not cover the following differences due to the natural features of the covering materials:

- **Veining is a main feature of stone guaranteeing its uniqueness;**
- **Any small cracks or cracking in ceramic or majolica surrounds;**
- **Any shade or tone differences in ceramic or majolica surrounds;**
- **Door glass;**
- **Gaskets;**
- **Ignition plug heating elements (warranty period: 1 year);**
- **The warranty does not cover masonry works;**
- **Damage to chromed and/or anodised and/or painted metal parts or on any other treated surfaces due to rubbing or bumping with other metal parts;**
- **Damage to chromed and/or anodised and/or painted metal parts or on any other treated surfaces due to improper maintenance and/or cleaning using chemical products or agents (said parts must be cleaned using only water);**
- **Damage to mechanical components or parts due to improper use or to installation carried out by non-qualified staff or not in compliance with the instructions provided with the product;**
- **Damage to electrical or electronic parts or components due to improper use or to installation carried out by non-qualified staff or not in compliance with the instructions provided with the product.**

Attention: after purchase, please keep this warranty certificate together with the original package, installation and testing certificate and the retailer receipt.

Eva Stampaggi S.r.l.
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Fax +39.0438.740821
E-Mail: info@evacalor.it

Retailer Stamp and Signature