

# SILENCE 9 SILENCE 11 TRINITY





# IMPORTANT: ESSENTIAL TO READ



**1.** The warranty is valid if INITIAL IGNITION is performed 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 PELLETS BY HAND in the burn pot to facilitate stove's 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.

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## **01.1 SAFETY WARNINGS**

Our stoves are manufactured in compliance with EN13240 (wood-burning stoves) EN 14785 (pellet stoves) EN 12815 (kitchens and wood-burning cookers and stoves) and EN 303-5: 2012 (solid fuel boilers), using high-quality and non-polluting materials. To make better use of your stove it is advisable to follow the instructions in this manual.

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:

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 on the data plate (230V~/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 that is covered by or in direct contact with **flammable** 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 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 get completely empty, the appliance will be automatically switched off. It may take two separate ignitions to resume operation at ideal working conditions since 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:
    - $\circ \quad$  do not open the door;
    - $\circ \quad$  do not touch the door glass since it becomes extremely hot;
    - keep children away from it;
    - o do not touch the fume outlet;
    - o do not pour any liquid inside the firebox;
    - o do not perform any maintenance operations if the stove is not cold;
    - o only qualified technicians are allowed to perform any operation;
    - o follow all the instructions contained herein.



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 CONFORMITY**

C	E
EVA STAMPA Via Cal Lor 31028 Vazzola	GGI S.r.l. nga Z.I. (TV) - ITALY
18	
Trademark: E	VA CALòR
EN 14785	:2006
Residential space heating appli Apparecchi per il riscaldamento dome	iances fired by wood pellet stico alimentato a pellet di legno
Type: SF Model: SIL	PCN9 ENCE 9
Distance to adjacent combustible materials Distanza da materiali combustibile	5 cm Rear 20 cm Sides - cm Floor
Emission of CO in combustion products Emissione di CO nei prodotti di combustione	: nominal heat output 0,008 % reduced heat output 0,030 %
Maximum operating pressure Massima pressione di esercizio	: -
Flue gas temperature Temperatura dei fumi	: 147 °C at nominal heat output 65 °C at reduced heat output
<b>Nominal heat output</b> Potenza termica nominale	: 8,5 kW
Reduced heat output Potenza termica ridotta	: 3,0 kW
Efficiency Rendimento energetico	: nominal heat output 90,5 % reduced heat output 96,0 %
<b>Fuel type</b> Tipi di combustibile	: Wood pellet Pellet di legno
Dust emission Polveri	: 18 mg/Nm <sup>3</sup> At 13% O <sub>2</sub> 11,5 mg/MJ At 0% O <sub>2</sub>
Electrical power supply Potenza elettrica assorbita	: 370 W
Rated voltage Tensione nominale	: 230 V
Rated frequency Frequenza nominale	: 50 Hz

# **01. PRODUCT SAFETY**

CE				
EVA STAMP/	AGGI S.r.l.			
Via Cal Lo	nga Z.I.			
31028 Vazzola	(TV) – ITALY			
18				
Trademark: I	EVA CALòR			
EN 14785	5 :2006			
Residential space heating app Apparecchi per il riscaldamento dom	liances fired by wood pellet estico alimentato a pellet di legno			
Type: SF Model: SIL	PCN11 ENCE 11			
Distance to adjacent combustible materials Distanza da materiali combustibile	5 cm Rear 20 cm Sides - cm Floor			
<b>Emission of CO in combustion products</b> <i>Emissione di CO nei prodotti di combustione</i>	: nominal heat output 0,012 % reduced heat output 0,024 %			
Maximum operating pressure Massima pressione di esercizio	: -			
Flue gas temperature Temperatura dei fumi	: 147 °C at nominal heat output 55 °C at reduced heat output			
Nominal heat output Potenza termica nominale	: 10,4 kW			
<b>Reduced heat output</b> Potenza termica ridotta	: 3,3 kW			
<b>Efficiency</b> Rendimento energetico	: nominal heat output 91,5 % reduced heat output 97,0 %			
<b>Fuel type</b> Tipi di combustibile	: Wood pellet Pellet di legno			
Dust emission Polveri	: 18 mg/Nm <sup>3</sup> At 13% O <sub>2</sub> 11,5 mg/MJ At 0% O <sub>2</sub>			
Electrical power supply Potenza elettrica assorbita	: 370 W			
Rated voltage Tensione nominale	: 230 V			
Rated frequency Frequenza nominale	: 50 Hz			

# **01. PRODUCT SAFETY**

CE			
EVA STAMPAGO	GI S.r.	I.	
Via Cal Longa	a Z.I.		
31028 Vazzola (TV	/) – IT/	ALY	
19	•		
Trademark: EV	A CA	LòR	
EN 14785 :2	006		
Residential space heating applian Apparecchi per il riscaldamento domestic	n <b>ces fi</b> co alime	red by wood pellet entato a pellet di legno	
Type: SPF	٦V		
Model: TRI	ΝΙΤΥ		
Distance to adjacent combustible materials Distanza da materiali combustibile	:	15 cm Rear 30 cm Sides	
<b>Emission of CO in combustion products</b> <i>Emissione di CO nei prodotti di combustione</i>	:	nominal heat outp reduced heat outp	ut 0,008 % ut 0,011%
Maximum operating pressure Massima pressione di esercizio	:	-	
Flue gas temperature Temperatura dei fumi	:	195 °C at nominal l 83 °C at reduced h	heat output eat output
Nominal heat output Potenza termica nominale	:	9,0 kW	
Reduced heat output Potenza termica ridotta	:	3,0kW	
<b>Efficiency</b> <i>Rendimento energetico</i>	:	nominal heat outp reduced heat outp	ut 90,0 % ut 96,0 %
<b>Fuel type</b> Tipi di combustibile	:	Wood pellet Pellet di legno	
Dust emission Polveri	:	13,5mg/Nm <sup>3</sup> 9,5 mg/MJ	At 13% O <sub>2</sub> At 0% O <sub>2</sub>
<b>Electrical power supply</b> Potenza elettrica assorbita	•	370 W	
Rated voltage Tensione nominale	:	230 V	
Rated frequency Frequenza nominale	:	50 Hz	

#### 02. PRODUCT DESCRIPTION

**DISEGNO TECNICO** SILENCE 9 / SILENCE 11 / TRINITY









A = Ø 80 mm Scarico fumi superiore /Top Flue outlet / Sortie de Haut de Fumée / Top Abgasstutzen / Salida humos superior / Descarga de fumos posterior
 B = Ø 40 mm Aria combustion / Combustion air / Air de combustion / Verbrennungsluft / Aire para la combustión / Ar de combustão

- A = Ø 80 mm Scarico fumi / Flue / Cheminée / Rauchabzug Evacuación de humos / Descarga de fumos
   B = Ø 40 mm Aria combustione / Combustion air / Air de combustion / Verbrennungsluft / Aire para la combustión / Ar de combustão
   C = Ø 80 mm Scarico fumi superiore / Top Flue outlet / Sortie de Haut de Fumée / Top Abgasstutzen / Salida humos superior / Descarga de fumos posterior

DATI TECNICI						
Technical data of the appliance: Dati tecnici dell'apparecchio:	SILENCE 9		SILENCE 11		TRINITY	
Designation: Designazione:	Nominal heat output Potenza termica nominale	Reduced heat output Potenza termica ridotta	Nominal heat output Potenza termica nominale	Reduced heat output Potenza termica ridotta	Nominal heat output Potenza termica nominale	Reduced heat output Potenza termica ridotta
Fuel throughput Consumo orario (kg/h)	1,9	0,7	2,3	0,7	2,3	0,7
Necessary flue draught Requisiti minimi del tiraggio del camino (Pa)	12	10	12	10	10	11
<b>Flue gas temperature</b> Temperatura fumi (°C)	147	65	146	55	176	69
Flue gas mass flow Flusso massico dei fumi (g/s)	5,9	2,7	6,1	2,4	6,4	2,6
Efficiency Rendimento (%)	90,5	96,0	91,5	97,0	90,0	96,0
<b>Total heating output</b> Potenza termica (Kw)	8,5	3,3	10,0	3,3	9,0	3,0
CO emission at 13% of O <sub>2</sub> Emissioni di CO al 13% di O <sub>2</sub> (%)	0,008	0,030	0,012	0,024	0,008	0,011
Electrical power supply Potenza elettrica assorbita (W)	370	370	370	370	370	370
Rated voltage Tensione nominale (V)	230	230	230	230	230	230
Rated frequency Frequenza nominale(Hz)	50	50	50	50	50	50
CLASSE DI EFFICIENZA ENERGETICA Energy Efficency Class	A+		A+		A+	
INDICE DI EFFICIENZA ENERGETICA Energy Efficency Index	128		129		126	

SILENCE 9 electrical consumption: electrical consumption and nominal power: 37 W reduced power electrical consumption: 24 W Stand-By electrical consumption: 3 W

TRINITY electrical consumption: electrical consumption and nominal power: 94 W reduced power electrical consumption: 44 W Stand-By electrical consumption: 3 W

SILENCE 11 electrical consumption: electrical consumption and nominal power: 50 W reduced power electrical consumption: 30 W Stand-By electrical consumption: 3 W

#### **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."

THE PRODUCTION OF STOVES WITH HIGHER PERFORMANCE IS INCREASINGLY REQUIRED SO IT IS BECOMES ESSENTIAL TO ENSURE THAT INSTALLATIONS COMPLY WITH THE LAW. IF THE VENT PIPE PASSES THROUGH NON-HEATED ENVIRONMENTS, IT MUST BE INSULATED FOR CORRECT COMBUSTION.

#### **03.2 VENT PIPE**

**STOVE CHARACTERISTICS FOR SIZING OF THE VENT PIPE** The stove has the following features:

#### SILENCE 9

Chimney flue draught: 12 Pa Fume temperature: 147 °C Mass flow of fumes: 5.9 g/s

TRINITY Chimney flue draught: 10 Pa Fume temperature: 195 °C Mass flow of fumes: 6,4 g/s SILENCE 11 Chimney flue draught: 12 Pa

Fume temperature: 146 °C Mass flow of fumes: 6.1 g/s

# IMPORTANT: THE LENGTH OF THE CHIMNEY MUST HAVE A MAXIMUM OF 6 METERS OF PIPE DIAMETER THAT IS EQUAL TO OR GREATER THAN THAT SPECIFIED FOR EACH APPLIANCE. EVERY 90° ELBOW OR (T) COUPLING IS THE EQUIVALENT OF 1 METER OF PIPE.

# BEFORE CONNECTION TO THE VENT PIPE, IN ORDER TO GUARANTEE CORRECT EFFICIENCY OF THE STOVE, IT IS NECESSARY TO ENSURE THE FOLLOWING TYPES OF INSTALLATION:

INSTALL THE PRODUCT WITH AT LEAST ONE (T) AND 1.5 METERS OF PIPE CERTIFIED ACCORDING TO EN 1856-2 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 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 the 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.	Max A+1/2A	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.

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 "draft".

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 spillage.

- 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 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 loading-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 must therefore be 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:



#### SILENCE

	SAFETY DISTANCE FROM COMBUSTIBLE MATERIALS:	SAFETY DISTANCE FROM <u>NON</u> -FLAMMABLE		
		MATERIALS:		
	REAR WALL P = 50 mm	REAR WALL P = 50 mm		
	SIDE WALL = 200 mm	SIDE WALL = 200 mm		
	FLOORING F = 0 mm	FLOORING F = 0 mm		
	FLOOR INSULATION THICKNESS = 0 mm	FLOOR INSULATION THICKNESS = 0 mm		
	FRONT R = 1000 mm	FRONT R = 1000 mm		
TRINITY				
	SAFETY DISTANCE FROM COMBUSTIBLE MATERIALS:	SAFETY DISTANCE FROM <u>NON</u> -FLAMMABLE		
		MATERIALS:		
	REAR WALL P = 150 mm	REAR WALL P = 100 mm		
	SIDE WALL = 300 mm	PARETE LATERALE L = 200 mm		
	FLOORING F = 0 mm	SIDE WALL = 0 mm		
	FLOOR INSULATION THICKNESS = 0 mm	FLOOR INSULATION THICKNESS = 0 mm		

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

FRONT R = 1000 mm

Promasil 1000	
Classification temperature: 1000 °C	Specific heat capacity: 1.03 Kj/kg K
Density: 245 kg/m <sup>3</sup>	Thermal conductivity λ:
Shrinkage at reference temperature, 12 h:	200 °C → 0.07 W/mK
1.3/1000°C %	400 °C → 0.10 W/mK
Cold crushing strength: 1.4 MPa	600 °C → 0.14 W/mK
Bending strength: 0.5 MPa	800 °C → 0.17 W/mK
Reversible thermal expansion: 5.4x10 <sup>-6</sup> m/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.

FRONT R = 1000 mm

- 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.

#### HERMETIC APPLIANCES

These stoves draw the combustion air and the air necessary for glass cleaning directly from outside and not from the room where they are installed, preserving the oxygen in the room. Using coaxial tubes the air will be pre-warmed contributing to improved combustion and lower emissions into the atmosphere. Ideal for passive houses, they offer best comfort at the lowest cost. The stove works even if not connected to the external air intake.



#### EXAMPLE OF INCORRECT INSTALLATION:

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



#### EXAMPLE OF INCORRECT INSTALLATION:



#### HANDLING AND UNPACKING

At the time of transportation do not position the product horizontally. Unloading of the product must be performed using lifting means that are suitable and that have characteristics that are consistent with the weight of the stove. The operator must make sure that during offloading and lifting of the stove there are no persons or objects nearby. At the time of unpacking avoid damaging the product with cutters or blunt tools. Keep the packaging out of the reach of children. Unscrew from under the pallet the screws that secure it to the latter and position the stove at the dedicated point paying attention to any impediments that could prevent installation or damage the product.



#### STOVE INSTALLATION

In compliance with the current regulations for installation, the 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.

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

The stove 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.

The fume outlet can be located on the upper side or on the rear side of the stove. You can decide between the rear and the top fume outlet based on the location of the vent pipe.

THE STOVE DOES NOT WORK IF THE LID OF THE PELLET HOPPER IS OPEN.

#### 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 a conductor as required by the Regulations 73/23 EEC and 93/98 EEC.

#### EXTERNAL THERMOSTAT

In this product it is possible to install an external thermostat. This operation may only be performed by authorised personnel. Use a 2-pole cable with everyday double insulation. Connect the two poles to the connector of the CN7 pin 7-8 electronic board. Enable the external thermostat, changing the room temperature with the P2 key until obtaining of the word T-E. On the home screen the room temperature will disappear and T-ON will be displayed when the thermostat requests and T-OF when the thermostat is compliant. If the thermostat is closed, the appliance works at the set heat output. If the thermostat opens, the appliance will work in the MODULATE state until switching off if STAND-BY is activated.

#### POWER ON

First connect the stove plug to the mains and load the pellet hopper.

For this operation it is very important not to empty the entire bag in one go but to perform the operation slowly to avoid pouring the powder of the pellets present in the bag into the hopper. If applicable, be careful not to damage the gasket in the door of the pellet hopper and keep the support surface of the latter clean.

The pellets must not be of a cheap quality. The characteristics are listed in the PRODUCT SAFETY chapter. The use of substandard pellets can prevent the stove from reaching maximum yield due to poor combustion and degradation of the stove itself. Check that the door of the pellet hopper is fully and correctly closed otherwise the stove will not work properly.

The ash collection drawer must be closed. There is an end of stroke contact in the door that in case it is not closed correctly removes the power supply to the auger tube and would send the stove into alarm.

Load the pellets then from the main menu perform the INITIAL LOAD, and then turn on the stove.

The burn pot cleaning mechanism is present in the stove. Before loading the pellets, the stove activates this cleaning device so that the burn pot is always clean to obtain the highest yield possible. This cleaning phase lasts on average 4 minutes. After cleaning, if all the mechanisms have successfully concluded their cycle then PELLET LOADING will take place otherwise there will be an alarm that will interrupt the ignition phase.



#### 04.1 RADIO CONTROL

Proper functioning and control adjustment devices Console



The radio control shows the information concerning the stove operating status. Several types of data can be displayed and the settings available according to the access level can be modified by entering the menu. Depending on the selected mode and on their position on the display, the data visualised may acquire different meanings.

#### **Description of Panel**

BUTTON 1 - Increase:

When in programming mode, use this button to modify/increase the selected menu value. When in working/switched off mode, instead use this button to increase the room thermostat temperature value or stove heat output.

BUTTON 2 - Decrease:

The button in programming mode modifies/decreases the selected menu value, in work/off mode it decreases the temperature value of the room thermostat or stove heat output.

BUTTON 3 - ON/OFF release:

Hold this button down for two seconds to manually switch the stove on or off respectively depending on its initial status (switched on or off).

By simply pressing, the radio control display comes on. Should have any alarm blocked the stove, press this button to unlock it and subsequently switch it off.

BUTTON 4 – Confirm

BUTTON 5 – Back

#### 04. PRODUCT USE

#### **Emergency console**



The emergency console is used when the radio control does not work or in case of loss of the latter. BUTTON P1: On / Off

Keeping this button pressed, the stove will switch on or off according to the last settings recorded by the radio control. P2 BUTTON: to increase/decrease the heat output

With this button it is possible to select the stove heat output manually.

#### REMOTE CONTROL CONNECTION

First ignition and association of the radio remote control to the stove: it is necessary to interface the radio remote control to the emergency display. There are 2 possibilities:

1) with the board off, press the two radio control keys (ok+on-off) until the radio id menu appears. At this point press the - key and the word "NEW" appears. Press the "OK" key and select the desired channel number (+ and - keys). Turn on the board and press the "OK" key on the radio control to confirm.

2) with the board on press the two keys of the radio control (ok+on-off) until the radio id menu appears. At this point press the - key and the word "NEW" appears. Press the "OK" key and select the desired channel number (+ and - keys). Press the two buttons on the emergency console until all the LEDs flash. At this point press the "OK" key on the radio control to confirm.

#### The menu

Press the P4 button 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.

#### STAND-BY

In this menu it is possible to activate or deactivate the automatic stand-by of the stove. When selected, if the room temperature exceeds the set temperature by 2°C, the stove will automatically switch off and then switch on again when the room temperature drops below 2°C with respect to the set temperature.

#### DATE AND TIME

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. Set the current date by pressing OK and the respective arrows to increase or decrease the selected values.

#### CHRONO

#### Chrono Enable Submenu

The menu shown on the "Enable Chrono" display allows overall enabling and disabling of all the chronothermostat functions. To enable, press the P1 button. Press P3 button to confirm.

#### Day Chrono Submenu

Once the "Day Chrono" menu has been selected, the daily chrono is enabled using the P1 and P2 buttons. With the P4 button, the possible items can be scrolled through, including: switch-on time, switch-off time, set stove heat output, room temperature. It is possible to set two operating ranges. The OFF setting tells the clock to ignore the command. To change use the keys P1 and P2 while to confirm press P3.

#### Weekly Chrono Submenu

The "Weekly Chrono" menu allows enabling/disabling and setting of the weekly chronothermostat functions. The weekly programming function features 4 independent programmes. Moreover, if the time is set to OFF, the time clock ignores the corresponding control. To change use the keys P1 and P2 while to confirm press P3.

In each program you will find: Switch-on time, Switch-off time, Set stove heat output, room temperature, days of the week in which the program is to be active. Monday is 1 and Sunday is 7.

#### Week End Chrono Submenu

It is used to enable/disable and to set the chronothermostat functions on weekends (days 6 and 7, i.e. Saturday and Sunday). To enable, press the P1 and P2 buttons. Setting the times **Start 1** and **Stop 1** sets the operating period for **Saturday**, while **Start 2** and **Stop 2** are used to set the stove operation for **Sunday**.

#### LANGUAGE

Use this function to select one of the languages available. To move to the next language press P1 (increase) to go back, press P2 (decrease) and to confirm press P4.

#### SETTINGS

In this menu you will find: BOARD BEEP: this is the buzzer in the board. With this submenu it is possible to activate or deactivate BACKLIGHT ON: duration of the radio control lighting POWER ON: duration of the display on BRIGHTNESS: on or off CONTRAST: to adjust the display contrast KEYS TONE: to deactivate or activate the radio control keys beep

#### INITIAL LOAD

This function is only available when the stove is **OFF** and allows the auger tube to be loaded the first time the stove is started, when the pellet hopper is empty. After selecting the menu, press P1. 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 has elapsed or after pressing the P3 button

#### STOVE STATUS

Enter the STOVE STATUS menu, after pressing the P4 button, the display scrolls the status of a number of variables during operation of the stove at work.

#### WI FI STATUS

Enter the WI FI STATUS menu, after pressing the P4 button, the status of a number of variables of the Wi-Fi status scrolls on the display. The options can be reset within this menu.

#### **USER SETTINGS**

In this menu it is possible to increase or decrease by a pre-set percentage the falling of pellets due to the change of the pellet itself.

#### **TECHNICAL MENU**

This menu item is reserved to the stove installer.

#### **BLOWER MODE**

In this menu it is possible to activate or deactivate the ambient ventilation. It is possible to do this in any power.

#### **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.

#### Stove ignition

Hold P3 button down for a few seconds to switch on the stove. Ignition is signalled in the display with the word "Check up". In these conditions the stove is in the pre-heating state, the burn pot is cleaned, the glow plug (visible with the glow plug LED) and the fume extraction fan come on.

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

#### Pellet feeding

After approximately 1 minute the pellet loading phase begins and the message "Load Pellets" appears on the display. During the initial phase, the auger tube loads the pellets into the burn pot for a fixed time. In the second phase the auger tube turns off, while the speed of the fumes and the glow plug remain in the previous state. If ignition does not occur after this phase, the auger tube is switched on again and the glow plug remains on.

#### Fire present

Once fume temperature has reached and exceeded a pre-set threshold, the stove goes into the ignition mode and the message "Fire Present" appears on the display.

The speed of the fumes is fixed, the auger tube turns on for a fixed time and the glow plug is turned off. Any problem during this phase will cause the control board to stop and the stove to go into error state.

#### Stove operational

After the temperature of the fumes has reached and exceeded a given value and has maintained it for at least a predetermined time, the stove goes into work mode which is the normal operating mode. The upper display shows the time and the room temperature and the lower one the set power and the power in which the stove is found. The heat output can be set by pressing the P2 key and the room temperature can be set by pressing the P1 button. If the fume temperature reaches a certain set threshold, the air exchanger fan turns on. Room ventilation can be excluded from the BLOWER MODE menu.

During this phase, the stove cleans the burn pot. The message "Cl-burn pot"" appears on the display, the auger tube turns on (auger tube LED on), the exhaust blower is on. Once the set period of time has elapsed, the stove goes back to the working mode.

#### Changing set heat output

During stove normal operation (Work), the heat output can be changed by using the P2 button. Press the P2 button again to increase the heat output and the P1 button to decrease it. The display will show the set heat output. To exit the set, wait 5 seconds without performing keyboard operations, or press P3 or P4.

#### Changing set room temperature

Press P1 button to change the set room temperature. The display shows the set room temperature (SET temperature value). Press P1 and P2 buttons to increase or decrease, respectively, the temperature value. The value is saved after approx. 5 seconds and the display goes back to normal. Otherwise, press P3 or P4 to exit.

# 04. PRODUCT USE

#### Room temperature reaches the set value (SET temperature)

When the set room temperature value is reached, the stove heat output is automatically set to the minimum value. During this phase the display shows the message "Modula". If room temperature falls below the set value (Set temperature value), the stove will go back to the "Work" mode and to the previously set heat output (Set heat output). If there is an external thermostat and the room temperature has been set to t-e, if the thermostat is open it will begin modulation and if closed, it will return to the heat output set.

#### Stand-by

When enabled in the menu, the Stand-by function allows the stove to be switched off after complying with the following conditions. It is enabled if, for a certain time, the ambient temperature is higher than the set temperature (Ambient set) plus a pre-set temperature delta. The display shows "Standby" and then the remaining minutes. At the end of the given time, the message "Wait for cooling" appears on the display. In this state, the stove has an auger tube closed (auger tube off) and the heat exchanger switches off. When the fume temperature reaches a given threshold, the stove enters the stand-by mode and scrolls the wording "Stop eco temp". The auger tube is switched off (auger tube LED off), the heat exchanger is switched off, as is the exhaust blower.

If the room temperature falls below the set temperature (Ambient set) minus the threshold given by the temperature delta, the stove switches on again.

#### Stove switch off

Hold P3 button down to switch off the stove. The message "SWITCH OFF" appears on the display. The auger tube motor stops (the auger tube LED is off) and the exhaust blower speed is pre-set. The fan of the exchanger (exchanger LED on) remains active until the fume temperature falls below a pre-set value. After a certain time, if the temperature of the fumes is below a given threshold, the stove switches off, displaying the message "Off".

#### Wi-Fi

The configuration procedure is as follows:

1. From a device with a Wi-Fi device (computer/tablet/smartphone), it is necessary to connect to the Wi-Fi network created by the Wi-Fi module. The name of the network to be searched for (SSID) will be similar to **"Evastampaggi-Wifi\_000780FFFFFF".** 2. Verify that the Wi-Fi device (computer/tablet/smartphone) has established the actual connection to the network created by the Wi-Fi module.

# 3. Open the browser of the device in use (Internet Explorer, Firefox, etc.) and in the address bar

type in the following address: http://192.168.1.1.

4. The main page of the Wi-Fi module will open, showing certain information about its operation.

8. choose the desired language and continue.

9. Select the network to be used from the list to connect the device to the Internet and enter the password of the selected network.

10. Click the 'Connect' button to connect the module to the Internet.

you will see the message: the device is connecting, wait 30 seconds. The green LED of the wi fi connection is flashing.
 After a few seconds from the Internet connection, the green LED will light up to indicate that the module has

completed the configuration procedure correctly. 13. At this point the product you have purchased is permanently connected to the Internet.

Now open the browser of the device in use and in the address bar type the following address:

#### http://evastampaggi.efesto.web2app.it/.

The page of the EFESTO Web App will open, click in the "Register" section of the main menu. Once registered, you will receive a confirmation e-mail in your mailbox.

14. Return to the main page of the EFESTO Web App and access your account by entering the data (e-mail address and password) previously used during registration. It is now possible to insert a new device by clicking on the "Add stove" section of the main menu.

During this procedure you will be prompted for:

- **ITEM NUMBER** and **SERIAL NUMBER** that you can find on the back of your electronic device (pellet stove, boiler, etc.), (the **ITEM NUMBER** corresponds to the MODEL and the **SERIAL NUMBER** corresponds to the SERIAL on the label on the back of the device)

- MAC ADDRESS and REGISTRATION CODE that you will find on the back of your Wi-Fi module (see figure below)



TEST PASSED	
MODEL:	=CODICE ARTICOLO / ITEM NUMBER
SERIAL:	=SERIAL NUMBER
FIRMWARE:	

At this point your electronic device (pellet stove, boiler, etc.) has been added and can now be managed via the Web App from your device (computer/tablet/smartphone).

You are now able to autonomously manage all the available functions of the product you have purchased from your device.

#### Alarms

In the event that an operating anomaly occurs, the board intervenes and signals the occurrence of an irregularity, turning on the alarm LED (alarm LED on) and emitting acoustic signals.

The possible alarm messages are listed below:

Display shows	No.	Cause
ALARM BLACK-OUT	(1)	Absence of mains voltage
ALARM FUME TEMP.	(2)	Fume overheating
ALARM REG. ENCODER	(3)	Check encoder
ALARM NO ENCODER	(4)	Fume fan fault, not working
ALARM IGNITION UNSUCCESSFUL	(5)	Stove does not ignite
ALARM CHECK PELLETS	(6)	Shutting down due to insufficient pellets
ALARM THERMAL SAFETY	(7)	Safety thermostat activated
ALARM NO DEPRESSION	(8)	Depressor activated
ALARM AUGER TUBE SAFETY	(10)	The auger tube turns continuously
ALARM INSUFFICIENT DRAUGHT	(11)	Burn pot or air extraction pipe obstructed
ALARM CLEANER FAULT	(12)	The burn pot cleaner is blocked
ALARM AUGER TUBE ENCODER	(13)	The board does not read the auger tube encoder. No connection
ALARM AUGER TUBE TRIAC	(14)	The auger tube turns continuously
In each of alarma the store is always imm	والمعرامة والمم	abod off

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 a time set by 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.

#### Safety thermostat

If the general safety thermostat detects a water value exceeding the trigger threshold, it immediately switches off the auger tube (to which it is connected in series), while acquiring this change in status. The message **THERMAL SAFETY ALARM** appears on the display and the system is switched off. Unscrew the black cap on the back of the stove and press the button to reset the contact.



#### Negative Pressure Alarm

This alarm occurs if:

- The vent pipe is non-compliant: the pipe must minimise the Pascals required by the manufacturer (see TECHNICAL DATA) at both low and maximum power.
- Vent pipe or combustion air outlet obstructed.
- Combustion chamber door and/or pellet hopper door open.
- Excessive dirt inside the fume fan: it is necessary to empty the ash that settles in the area adjacent to the ash drawer compartment.

#### Black-out Alarm

In the event that there is an electrical power failure for a given time, the stove, with restoring of the electricity, will change to **BLACK-OUT** alarm. It is necessary to wait for the stove to cool down and then turn it back on.

# Connections



# 05. CLEANING AND MAINTENANCE

### **05.1 INTRODUCTION**

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.

## **05.2 ORDINARY CLEANING**

Each time the stove is turned on, it performs a burn pot cleaning cycle automatically.

If the automatic cleaning has not cleared the holes in the burn pot, it is necessary to do this using an ash vacuum.

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

- Check every day that there are no residues in the combustion chamber and the level of the ash drawer.
- The ash drawer must be emptied according to use and type of pellets approx. every 5 days.
- 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 ash. If the operation is performed with the stove hot there is a risk of the glass exploding.

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

#### **05.3 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 which are not specific to the stove model.

# Period of inactivity

During the periods of inactivity we recommend that you remove any remaining pellet from the hopper and disconnect the stove from power supply by pulling out the power cord or by using the relevant ON/OFF switch.



# 06. TROUBLESHOOTING

PR	OBLEM	CAUSE	SOLUTION
FIRST START-UP		IT MAY BE NECESSARY TO REPEA	T THE FIRST LOAD PHASE A FEW TIMES TO FACILITATE THE APPLIANCE INITIAL START-UP
DISPLAY			CHECK PLUG AND POWER SUPPLY.
		FAULTY ELECTRICAL CABLE	CALL TECHNICAL ASSISTANCE.
		INTERRUPTED FUSE IN	
sv	VITCHED OFF	CONTROL BOARD	
ŀ		FAULTY CONTROL BOARD	CALL TECHNICAL ASSISTANCE.
		FAULTY DISPLAY	CALL TECHNICAL ASSISTANCE.
		NO PELLETS	
		SAFETY THERMOSTAT TRIGGERED	
	PELLETS NOT	AUGER TUBE BLOCKED BY FOREIGN BODY	
	BURN POT	FAULTY AUGER TUBE MOTOR	
		ACTIVE ALARM	
		DIRTY BURN POT	
		TEMPERATURE TOO COLD	
ш		DAMP PELLETS	
FIR	PFLLFTS	FAULTY IGNITION PLUG	
Z Z	FALL BUT	FAULTY FUME SENSOR	
LAR	NOT LIT	FAULTY EXHAUST BLOWER	
◄		FAULTY CONTROL BOARD	
	STOVE SWITCHES OFF DURING	POWER OUTAGE	
		NO PELLETS	
		AUGER TUBE BLOCKED BY	
		FOREIGN BODY	
	NORMAL		
	FUNCTIONIN G	VALUE AT MINIMUM HEAT OUTPUT	
		ACTIVE ALARM	
		ANTI-EXPLOSION DEVICE PLUG M	ISSING OR NOT CORRECTLY POSITIONED.
		PARTIALLY CLOGGED VENT PIPE	CLEAN VENT PIPE IMMEDIATELY.
		COMBUSTION AIR NOT SUFFICIENT	CLOGGED AIR INTAKE.
PC	OR FLAME	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 NETWORK		POWER OUTAGE	SWITCH STOVE ON AND OFF, CHECK PLUG.
Ri	S / ECO	SE	T ROOM TEMPERATURE REACHED / STOVE WORKS PROPERLY.
DISPLAY DOES		SET ROOM TEMPERATURE	INCREASE SET ROOM TEMPERATURE SO THAT APPLIANCE GOES BACK TO "WORKING"
NC		REACHED PERIODIC CYCLE OF BURN POT	MODE.
ST	OP FIRE	CLEANING	STOVE WORKS PROPERLY.
		EXCESSIVE OR INADEQUATE VENT PIPE LENGTH	NON-COMPLIANT VENT PIPE.
AL	ARM DEP	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.
	FAULTY FUME SENSOR	CALL TECHNICAL ASSISTANCE.
SENSOR	FUME SENSOR DISCONNECTED	CALL TECHNICAL ASSISTANCE.
	FAULTY FUME SENSOR	CALL TECHNICAL ASSISTANCE.
	FAULTY CONTROL BOARD	CALL TECHNICAL ASSISTANCE.
	FAULTY EXCHANGER BLOWER	CALL TECHNICAL ASSISTANCE.
	EXCESSIVE PELLET SET VALUE	CALL TECHNICAL ASSISTANCE.
ALARM HOT TEMP	AT MAXIMUM HEAT OUTPUT	
RADIOCEMOTE CONTROL NOT		TRY DISCONNECTING FROM THE MAINS SUPPLY ANY HOUSEHOLD APPLIANCE
CONNECTING (FIELD SEARCH)	POSSIBLE INTERFERENCE	OR ANY OTHER APPLIANCE THAT MAY GENERATE ELECTROMAGNETIC FIELDS.
REMOTE CONTROL DOES NOT SWITCH ON	DISPLAY SWITCHED OFF	CHECK BATTERY / FAULTY REMOTE CONTROL.

# 

# 07. CERTIFICATE OF INSTALLATION AND TESTING

CERTIFICATE OF INSTAL	LATION AND TESTING Installer's stamp:	
ROAD:		
POSTAL CODE:		
PROVINCE:		
TEL:		
Delivery date:	First name:	
Equipment mod.:	Address:Postal code.:	
Serial number: Year:	Location:	
Retailer's Stamp:	Tel:	
The customer acknowledges that, upon completion of th professionally and in accordance with the instructions in thi perfect functioning and are aware of the information needer appliance. Signature of the CUSTOMER	e installation of the device, the works were carried out s user manual. The same also states that they acknowledge d to correctly use, operate and perform maintenance on the Signature of the RETAILER / INSTALLER	
	$\sim$	
Copy of the retailer of	pr installer	
ROAD:	installer 5 stallip.	
CITY:		
TEL:		
Delivery date:	First name:	
Delivery date:	Last Name:	
Equipment mod.:	Address:Postal code.:	
Year:	Tel:	
Retailer's Stamp:		
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	

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# **08. YEARLY SCHEDULED MAINTENANCE**

Date 1st maintenance///			
(Technical Assistance Centre stamp)			
Date 2nd maintenance///			
(Technical Assistance Centre stamp)			
Date 3rd maintenance//			
(Technical Assistance Centre stamp)			

# 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 e-mail to <u>info@evacalor.it</u> 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 Technical Support Service closest to you, which will guarantee assistance from a technician within five 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);
- Initial 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 (the warranty period is 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.

#### **IMPORTANT:**

EVA STAMPAGGI SRL RECOMMENDS CONTACTING ITS RETAILERS AND AUTHORISED ASSISTANCE CENTRES. INSTALLATION IS OBLIGATORY BY LAW, EVA STAMPAGGI STRONGLY RECOMMENDS THE INITIAL IGNITION OF PRODUCTS BY QUALIFIED TECHNICIANS. EVA STAMPAGGI IS NOT RESPONSIBLE FOR ONLINE SALES AND FOR RELATED OFFERS AS IT DOES NOT OFFER DIRECT SALES TO THE PUBLIC. FOR ANY TECHNICAL ISSUES DURING THE PERIOD OF LEGAL WARRANTY, THE PROCEDURE REQUIRES CONTACTING OF THE RETAILER OR DIRECTLY OF OUR AFTER SALES.

WARNINGS for correct disposal of waste electrical and electronic equipment (WEEE) in accordance with EC Directive 2002/96/EC and subsequent amendment 2003/108/CE.



Application of this symbol on the product determines that it is NOT waste that can be considered generic but should be demolished and disposed of in compliance with the regulations in force in the country of use, making sure that the special collection centres are legally compliant both in relation to safety and in terms of respecting and protecting the environment. Responsibility for such disposal is borne by the owner and to avoid incurring penalties or negative consequences for the environment and health, we advise directly contacting the municipal authorities, the local authority for waste disposal or the retailer, to learn more about the places and ways of collection.

The correct disposal of waste is important not only for the environment and for the health of citizens but also because this operation involves the recovery of materials with consequent important savings of energy and resources.

**Retailer Stamp and Signature** 

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