

**EN**

# **INSTRUCTION MANUAL PELLET INSERT**

## **INSERT**

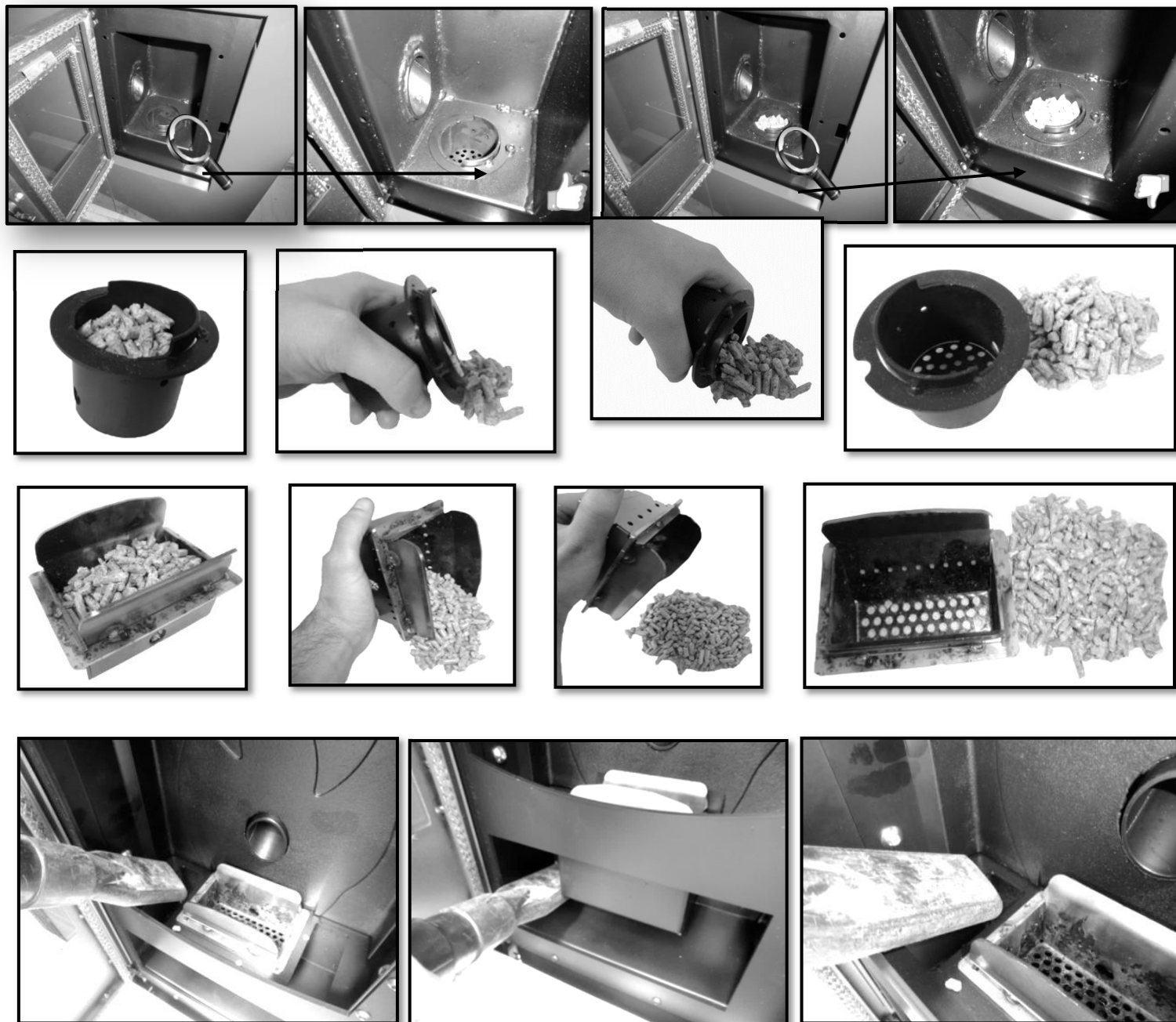




## IMPORTANT: PLEASE READ



1. Eva Stampaggi S.r.l. assumes no responsibility for injury to persons and/or damage to property or for the malfunction of the stove resulting from non-compliance with the provisions of this Instruction Manual
2. The guarantee will remain valid for 1 year for professional operators and 2 years for consumers.
3. Stove installation must be carried out by qualified staff and pursuant to the regulations in force in the relevant country.
4. In the event of ignition fault or power outage, before retrying the FIRE PIT MUST BE EMPTIED. Failure to do so may also result in the breaking of the door glass.
5. DO NOT POUR PELLETS BY HAND in the fire pit 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 extremely important to use GOOD QUALITY, CERTIFIED PELLETS. The manufacturer declines any liability for any malfunctions or damage to mechanical parts as a result of the use of poor-quality pellets.**
9. **The fire pit and the combustion chamber MUST BE CLEANED DAILY. The manufacturer declines any liability for any malfunctioning due to a failure to do so.**



## TABLE OF CONTENTS

01. PRODUCT SAFETY .....	4
02. GENERAL SAFETY PRECAUTIONS .....	4
03. PRODUCT DESCRIPTION .....	6
04. MINIMUM INSTALLATION REQUIREMENTS .....	7
05. FLUE PIPE .....	8
06. INSTALLATION WARNINGS .....	10
07. INSTALLATION .....	12
08. PRODUCT USE .....	14
09. CONNECTIONS .....	18
10. CLEANING AND ROUTINE MAINTENANCE .....	19
11. NON-ROUTINE CLEANING AND MAINTENANCE .....	19
12. TROUBLESHOOTING .....	20
13. YEARLY SCHEDULED MAINTENANCE .....	22
14. CERTIFICATE OF INSTALLATION AND TESTING .....	23
15. WARRANTY .....	24

HS  
ENGINE



## 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.

KEEP THE INSTRUCTION MANUAL FOR FUTURE REFERENCE  
IF ANY CLARIFICATIONS ARE REQUIRED CONTACT YOUR AUTHORISED DEALER

- 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 if not certified as watertight.

## The pellets to be used are the following:

Pellet stoves operate exclusively with pellets (tablets) of various wood essences that comply with DIN plus or EN plus 14961-2 A1 or PEFC/04-31-0220

ONORM M7135 or that have the following characteristics:

Calorific value min. 4.8 kWh/kg (4180 kcal/kg)

Density 630-700 kg/m<sup>3</sup>

Maximum humidity 10% of weight

Diameter: 6 ±0.5 mm

Ash percentage: max. 1% of weight

Length: min. 10mm - max. 30mm

Composition: 100% untreated wood from the industry of wood or post-consumption without the addition of binders, bark-free and compliant with current regulations.

## 02. 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.
- Ensure that the electrical power available corresponds to the value indicated on the data plate (230V~/50Hz).
- This appliance is not a toy. Ensure 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.
- Do not touch the stove with wet hands; it contains electrical components.
- **Do not use the appliance with damaged cables or plugs. The device is classified as type Y: the 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.**
- **CAUTION! DO NOT TOUCH the FIRE DOOR, the GLASS, the HANDLE or the FUME OUTLET DURING OPERATION when not wearing adequate protective clothing or devices as they become extremely hot!**
- The stove that is covered by or in direct contact with **flammable** materials, including curtains, blankets, etc., during normal operation may pose a fire hazard. **KEEP THE APPLIANCE AWAY FROM THE MATERIALS MENTIONED ABOVE.**
- Do not immerse the cable, plug or any other component of the appliance in water or other liquids.
- Do not use the stove in dusty environments or wherever inflammable gases 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: REMOVE THE PLUG FROM THE MAINS WHEN CARRYING OUT MAINTENANCE**
- **CAUTION! These stoves operate exclusively with pellets or olive pomace if the stove is designed for this particular use; DO NOT USE DIFFERENT COMBUSTIBLES: any other burned material will cause the apparatus to malfunction.**
- **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 6-7mm diameter cylinders, a maximum length of 30mm with a maximum moisture content of 8%. This stove is designed to burn pellets made of compacted sawdust obtained from different types of wood, in compliance with environmental protection regulations.
- 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 fire pit on a regular basis upon every ignition or pellet refuelling.**
- The combustion chamber must be kept closed, except when loading or removing residues, in order to prevent smoke egress.
- Do not switch the stove on and off intermittently to prevent damaging its electrical and electronic components.
- Do not use the appliance as a waste incinerator or for any other purpose other than that for which it was designed.
- Do not use liquid fuels.
- Do not modify the appliance without prior authorisation.

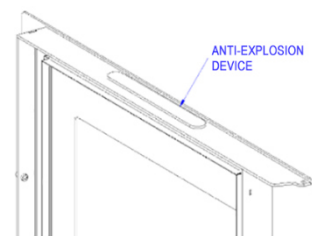
- Use only original spare parts recommended by the manufacturer.
- Make sure that the stove is transported in compliance with safety regulations. Avoid any improper transfers or knocks that may damage the ceramics or the structure.
- The metal structure is coated using high temperature paints. When using 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.
- To refill the hopper, simply lift the access cover and pour the pellets in, even when the machine is on, taking care not to spill outside of the hopper. 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.
- **CAUTION! If the stove is not properly installed, power outages may result in fume spillages. In some cases, it may be necessary to install an uninterruptible power supply.**
- **CAUTION! Being a heating appliance, some parts of the stove can become extremely hot. For precisely this reason, we advise that you take extreme care during operation.**

#### WHEN THE STOVE IS IN OPERATION:

- 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 device

Some products are equipped with anti-explosion safety devices. 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.

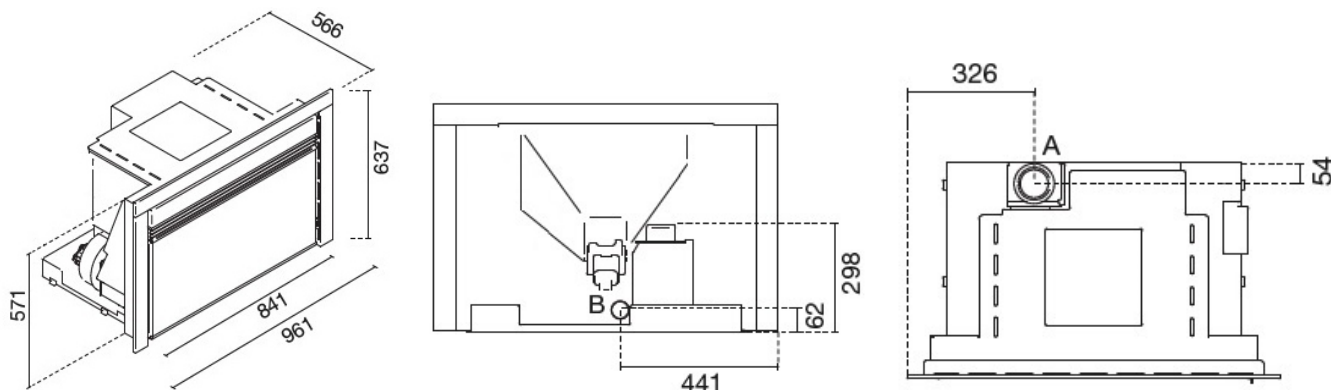


### 03. PRODUCT DESCRIPTION

#### 03.1 IPCN11,5

This very compact product allows installation even in the smallest of spaces.  
The 3 fans on board are used to heat 3 separate rooms uniformly at the same time.

#### 03.2 TECHNICAL DRAWING



A = Ø 80 mm Scarico fumi superiore / Top Flue outlet / Sortie de Haut de Fumée / Top Abgasstutzen / Salida humos superior / Descarga de fumos superior  
B = Ø 50 mm Aria combustione / Combustion air / Air de combustion / Verbrennungsluft / Aire para la combustión / Ar de combustão

#### 03.3 TECHNICAL DATA

Technical data of the appliance: <i>Dati tecnici dell'apparecchio:</i>		IPCN11,5	
Name: <i>Designazione:</i>		Nominal heat output <i>Potenza termica nominale</i>	Reduced heat output <i>Potenza termica ridotta</i>
Fuel throughput <i>Consumo orario</i>	Kg/h	2.72	1,189
Minimum flue draught requirements <i>Requisiti minimi del tiraggio del camino</i>	Pa	11	12
Flue gas temperature <i>Fume temperature</i>	°C	162.3	91.4
Flue gas temperature at flue spigot or socket <i>Temperatura uscita fumi</i>	°C	180.8	111.6
Flue gas mass flow <i>Flusso massico dei fumi</i>	g/s	9.1	4.7
Efficiency <i>Rendimento</i>	%	89.5	93.5
Total heat output <i>Potenza termica</i>	kW	11.5	5.3
Water heat output <i>Potenza termica resa all'acqua</i>	kW	-	-
Space heat output <i>Potenza termica resa all'ambiente</i>	kW	-	-
CO emission at 13% of O <sub>2</sub> <i>Emissioni di CO al 13% di O<sub>2</sub></i>	%	0.0115	0.0237
Maximum water operating pressure <i>Massima pressione di esercizio dell'acqua</i>	Bar	-	-
Discharge control operating temperature <i>Temperatura di intervento della valvola di scarico termico</i>	°C	-	-
Electrical power supply <i>Potenza elettrica assorbita</i>	W	400	
Rated voltage <i>Tensione nominale</i>	V	230	230
Rated frequency <i>Frequenza nominale</i>	Hz	50	50
ENERGY EFFICIENCY CLASS <i>Energy Efficiency Class</i>		A+	

ELECTRICAL CONSUMPTION IPCN11,5	
Electrical consumption at nominal power	188 W
Electrical consumption at reduced power	83 W
Electrical consumption in Stand-By	2.6 W

### 04. MINIMUM INSTALLATION REQUIREMENTS

## 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. assumes no responsibility for damage to persons and/or property caused by non-compliance with the point highlighted above for products installed in a non-compliant manner.**

**Install the stove according to the regulations in force in the country of use.**

In Italy, for example, this refers to UNI 10683: 2012, which refers to 4 areas:

**a. preliminary activities** - are under the jurisdiction and are the responsibility of the reseller/installer at the time of the pre-installation inspection. Preliminary procedures include:

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

At this stage, the product needs to be checked in order that it can be safely operated and that the relevant technical specifications are met.

**The safety conditions must be assessed with a preventive inspection.**

**Stoves and fireplaces are heating systems and must be installed safely and comply with the manufacturer's instructions!**

**b. installation** - under the responsibility of the installer. In this phase the **installation** of the product and the smoke exhaustion system are considered as well as the handling of topics such as:

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

**c. issuance of supplementary documentation** - the responsibility of the installer.

The release of 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.](#)

**d. control and maintenance** - the responsibility of the maintenance technician who must oversee protection and maintenance of the product during its operation over time. The operator responsible for checking and maintaining the systems for winter and summer climate control carries out tasks in a **workmanlike manner** and in observance of applicable regulations. 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".

In addition to what is specifically provided for in the following paragraphs of this Instruction Manual, the Purchaser must comply with the following minimum installation requirements:

- Do not invert or place the stove horizontally on one side;
- The power of the stove must be adapted to the size of the room where it is to be installed and the room must be ventilated from the outside;
- The assembly of the flue pipe must be carried out in a workmanlike manner and according to European (UNI 10683) and national regulations, local regulations and the technical specifications and warnings contained in this Instruction Manual;
- The smoke outlet must be connected to the flue pipe by means of telescopic fittings;
- The diameter of the flue must be less than 150 mm.
- The connection to the flue pipe must be made with an inclination connection of less than 45°;
- The flue pipe must be suitably insulated;
- The minimum length of the horizontal section must be greater than 2 metres;
- The minimum slope of the horizontal section must be 5%;
- The chimney and/or flue pipe must be waterproofed;
- The flue shall not have more than two changes of direction;
- The flue gas must be discharged directly into the flue pipe;
- The flue gas duct must have a length of less than 6.0 m before the flue, with a maximum horizontal section of 3.0 m;
- The flue and flue duct must not narrow in width from the initial diameter for its entire length. The initial diameter shall be that of the exhaust outlet of the stove body;
- The minimum value of the ventilation duct opening must be 80 cm<sup>2</sup>;
- The distance of the flammable walls must be respected, as prescribed on the "stove data plate";
- The fire pit must be cleaned before each ignition of the stove.

The Buyer must not make any structural changes to the stove and must not make any operating changes to the electrical board.

Installation and connection must be carried out by the Purchaser and by qualified technical personnel, in compliance with European (UNI 10683) and national regulations, local regulations and assembly instructions contained in this Instruction Manual.

Eva Stampaggi S.r.l. assumes no criminal and/or civil liability, direct and/or indirect, for damage to persons or property resulting from non-compliance with the aforementioned provisions of law, assembly instructions, warnings and general safety rules indicated in this Instruction Manual.

Failure to comply with the installation requirements and/or tampering with the stove may result in: inadequate power and/or abnormal product behaviour, poor flue gas draught, clogging of the fire pit, slow combustion, tank fire, overheating and fire hazard of the stove, fire hazard of the flue gas duct, lack of oxygen in the environment where the stove is located.

Eva Stampaggi S.r.l. assumes no criminal and/or civil liability, direct and/or indirect for the malfunction of the stove and for damage to persons or property caused by non-compliance with the requirements for installation of the stove and/or tampering with it.

The Buyer must request and retain the certification of compliance of the installation, and the connection of the stove, with the provisions of law. In the absence of such certification Eva Stampaggi S.r.l. assumes no criminal and/or civil liability, direct and/or indirect for the malfunction of the stove and for damage caused to persons or property, resulting from the use of the product.

**Warning: in the event of a power failure or electrical blackout, the fire pit must be emptied before repeating the operation. Failure to follow this procedure may cause the door glass to break.**



IPCN11,5	
Chimney flue draught	11 Pa
Fume temperature	180 °C
Flue gas mass flow	9.1 g/s

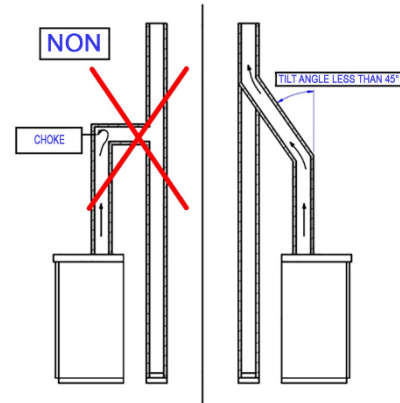
**IMPORTANT: THE LENGTH OF THE FUME DUCT PIPE MUST HAVE A DIAMETER EQUAL TO OR GREATER THAN THAT SPECIFIED FOR EACH APPLIANCE. EVERY 90° ELBOW OR (T) COUPLING IS THE EQUIVALENT OF 1 METER OF PIPE.**

**IN ORDER TO GUARANTEE CORRECT EFFICIENCY OF THE STOVE, ENSURE THE FOLLOWING TYPES OF INSTALLATION BEFORE CONNECTION TO THE FLUE PIPE:**

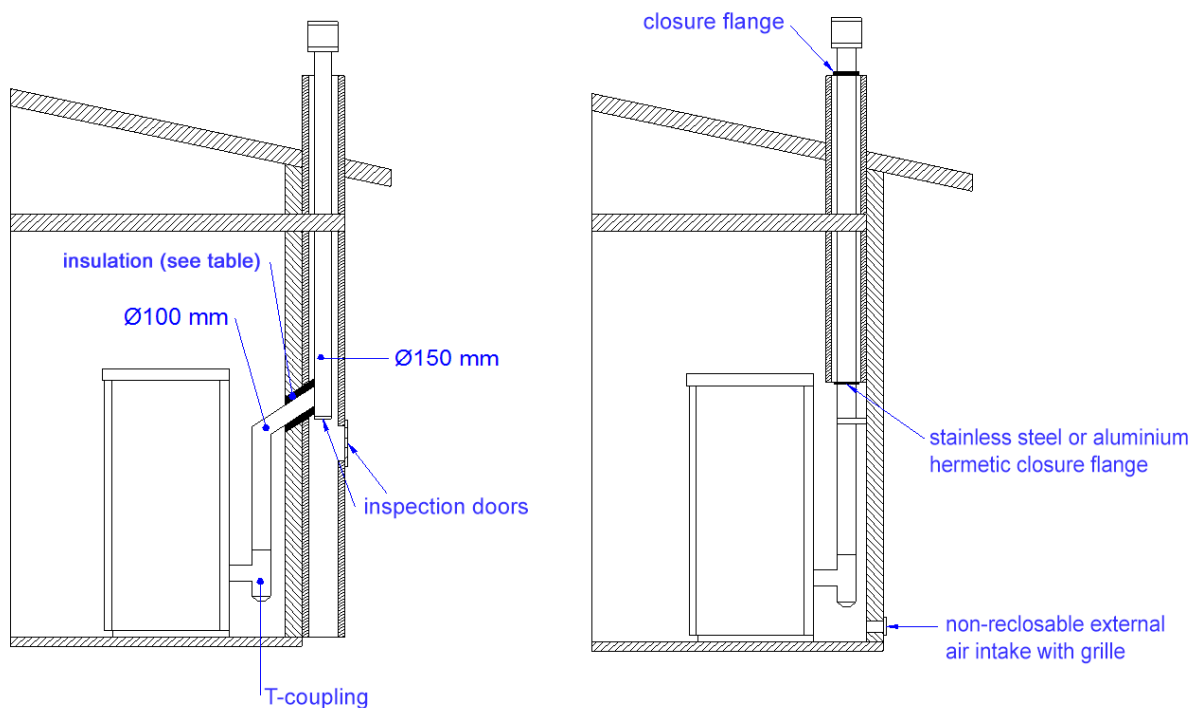
INSTALL THE PRODUCT WITH AT LEAST 1 METER OF TUBE CERTIFIED ACCORDING TO THE EN 1856-2 STANDARD

The flue 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 flue pipes are made of steel, either stainless steel or aluminised.

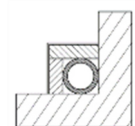
- In order to facilitate connection to the rigid steel flue, it is advisable to use telescopic fittings which, in addition to facilitating the procedure, also compensate for the thermal expansion of both the firebox and the flue itself.
- It is advisable to seal the flue pipe at the end of the appliance with silicone resistant to high temperatures (1,000°C). Should the existing flue opening not be perfectly perpendicular to the firebox fume outlet, use an elbow to connect them. The angle with respect to the vertical, must never exceed 45° (see figure to the side) and there can be no bottlenecks.
- No constrictions. Use 10cm-thick insulating thimbles if pipe vent passes through floors.
- The flue pipe must be insulated along its entire length. The insulation will make it possible to maintain a high fume temperature. To optimise the draught, avoid condensation and reduce deposits of unburnt particles on the walls of the flue. Use proper insulating materials (glass wool, ceramic fibre, Class A1 non-combustible materials).
- The flue must be weatherproof and must not make more than two changes of direction.
- Flexible and length-adjustable metal pipes may not be used.



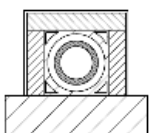
#### EXISTING FLUE PIPE (TRADITIONAL)



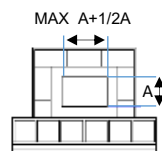
#### FLUE PIPE TYPES



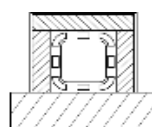
Steel flue pipe with double chamber insulated with material resistant to 400°C. Optimum efficiency.



Refractory flue pipe with insulated double chamber and external coating in lightweight concrete. Optimal efficiency.



Avoid flue pipes with internal rectangular section whose ratio between the larger and smaller side is greater than 1.5. Poor efficiency



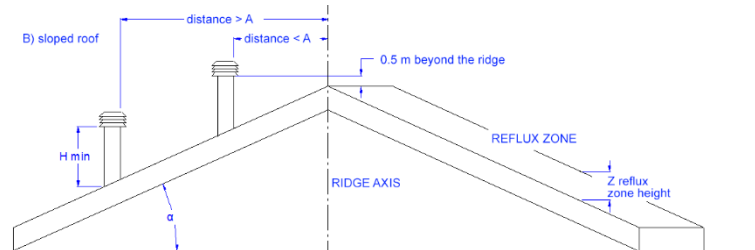
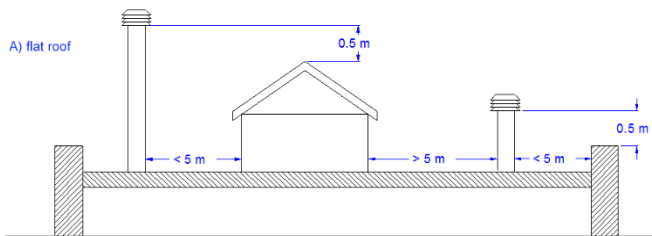
Traditional clay flue pipe with cavities. Optimal efficiency.

## 05.1 CHIMNEY COWL

A properly installed chimney cowl ensures optimum stove operation. The anti-downdraught chimney cowl consists of a number of components whose outlet section sum always doubles the flue pipe section. Make sure the chimney cowl is at least 150cm above the roof rise 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 flue 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 $\alpha$ [°]	Horizontal width of reflux zone measured from rise A [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

## 05.2 DRAUGHT

As they heat up, the gases formed during combustion undergo an increase in volume and, as a result, have a lower density than the cooler surrounding air. This difference in temperature between the inside and outside of the flue results in a negative pressure which increases proportionally to the flue pipe length and the temperature.

The draw of the flue pipe must be able to overcome all resistance from the fume circuit so that any smoke produced inside the stove during combustion is drawn up and dispersed into the atmosphere through the discharge conduit and the flue pipe itself. There are many meteorological factors that influence the operation of a flue pipe, rain, fog, snow, altitude, but the most important is the wind, which can cause negative thermal pressure as well as dynamic negative pressure.

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.

Some of the combustion gases, as well as small particles of combustible material, are drawn into the flue pipe before being burned, reducing the stove's efficiency and increasing the consumption of pellets and causing the emission of polluting smoke.

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 flue pipe.

To avoid excessive draught it is advisable to use a draught regulator (see figure on the side).



## 05.3 STOVE EFFICIENCY

Paradoxically, highly efficient stoves may pose difficulties for fume extraction.

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

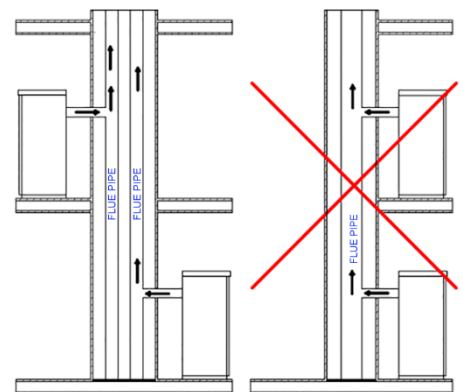
Now, the efficiency of a stove is determined by its capacity to transfer most of the heat produced into the area to be heated: the consequence of this is the greater the efficiency of the stove, the cooler the combustion smoke residues are and as a result the lesser the draught.

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 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. Installation warnings

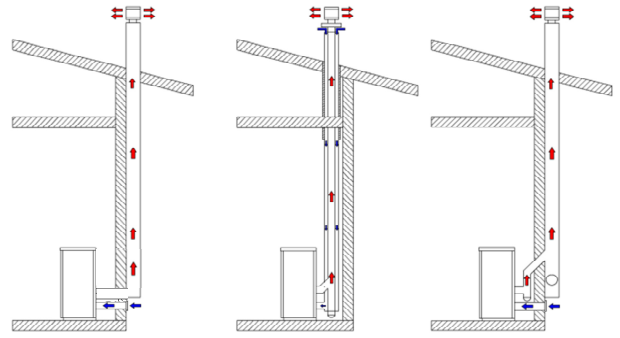


By using coaxial tubes, the air will be pre-warmed contributing to improved combustion and lower emissions into the atmosphere.

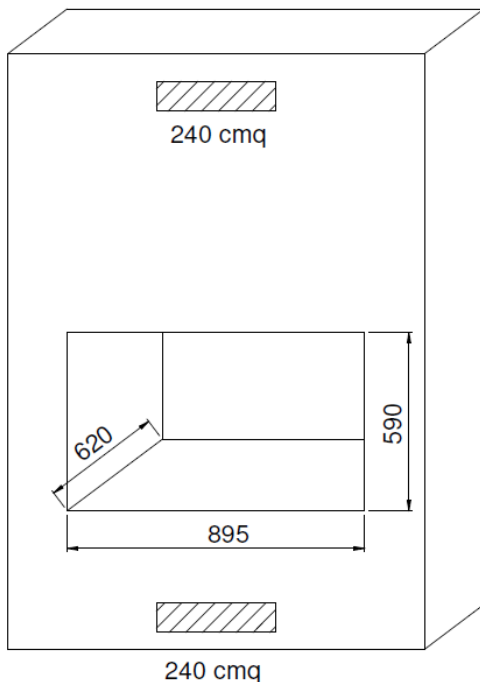
Before installing, the following indications must be met:

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

- Arrange the connection to the flue 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 flue 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 flue pipe.
- This appliance is not suitable to be installed on a shared flue 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 "air combustion" socket must reach an external wall or a wall of an adjacent room with external ventilation, as long it is not a bedroom or bathroom, nor at risk of fire such as garages, storage rooms, combustibles stores, etc. These air vents must be made in such a way that they cannot be blocked either internally or externally and should be protected by a grille, metal net or other suitable protection without reducing the minimum dimensions.
- When the stove is on, it can create a depression in the room where it is installed, therefore there must not be any open flame apparatus in the same room, with the exception of type C boilers (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 flue pipe.



## MINIMUM DIMENSIONS



The minimum insert dimensions and openings for correct air circulation must be taken into account when installing to prevent the item from overheating.

Minimum area measurements for natural air convection must be observed.

Air movement can also take place at the side or from the rear of the cladding. Openings must be protected by grilles or protective devices so as to prevent access to the electrical parts of the chimney or moving parts.

If the stove is to be installed in rooms where it is surrounded by flammable materials (e.g. furniture, wood cladding, etc.), **the following minimum clearances must be complied with:**

# IPCN11,5

REAR WALL B =	50 mm
SIDE WALL A =	100 mm
THICKNESS INSULATING MATERIAL C, E =	40 mm
FLOOR D =	- mm
FRONT R =	1000 mm

It is in any case advisable, as well as respecting minimum distances, to install the fireproof heat-resistant insulating panels (mineral wool, aerated concrete, etc.).

The following is recommend:

Promasil 1000

Classification temperature: 1000 °C

Density: 245 kg/m<sup>3</sup>

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<sup>-6</sup> m/mK

Specific heat capacity: 1.03 kJ/kg K

Thermal conductivity λ:

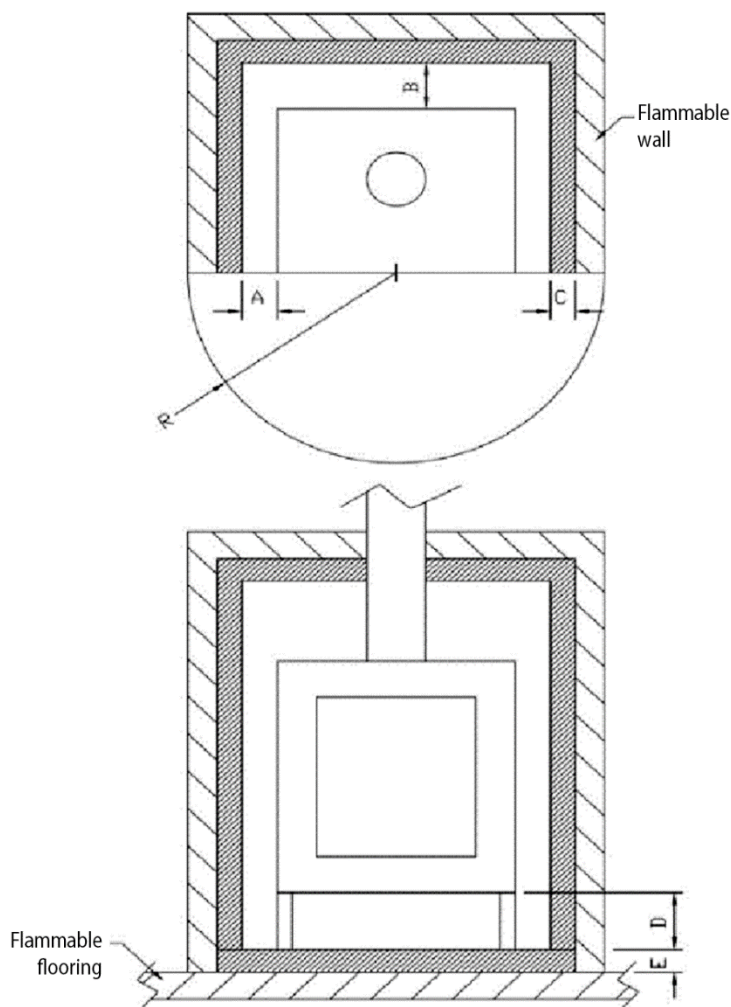
200 °C → 0.07 W/mK

400 °C → 0.10 W/mK

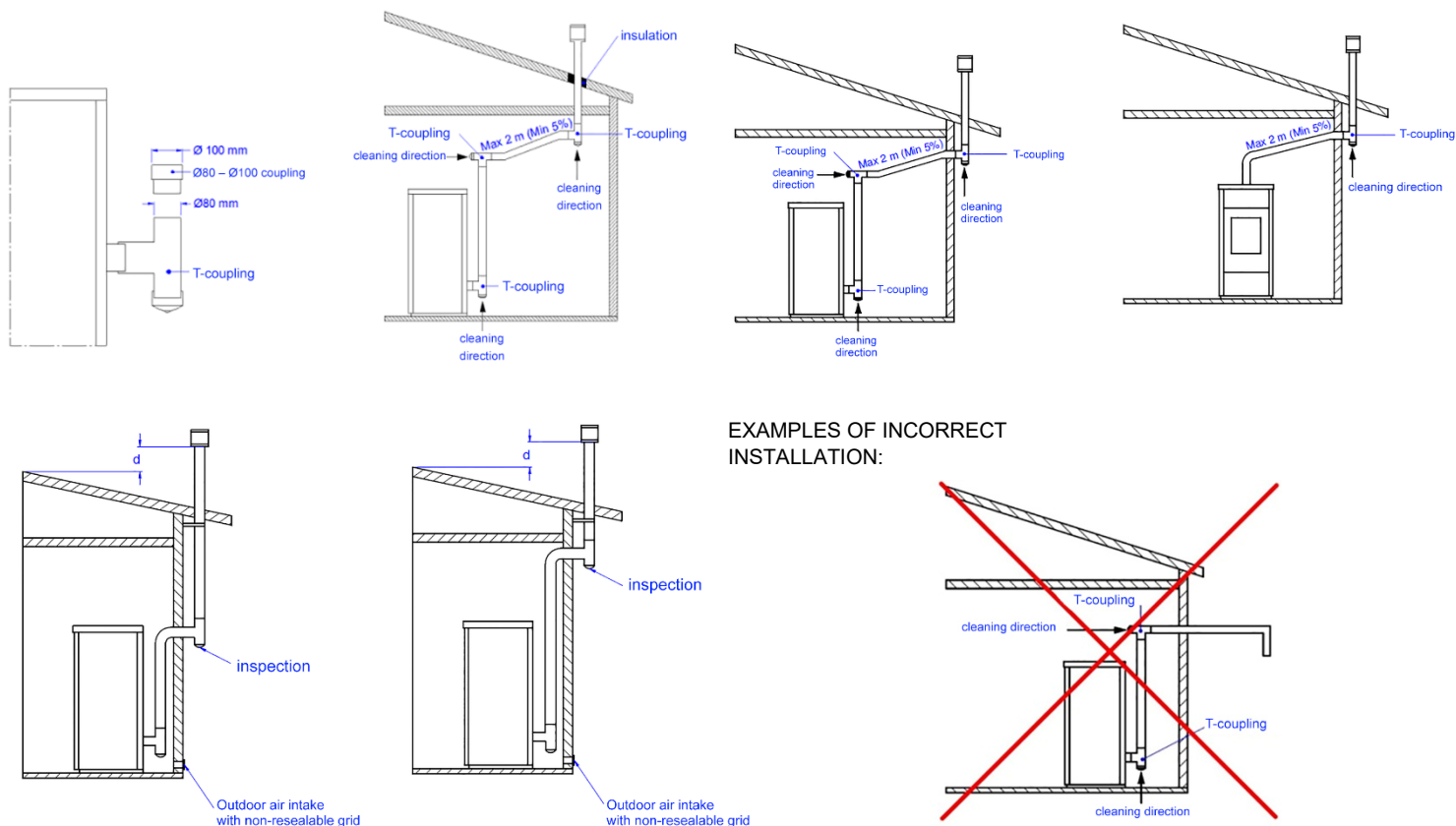
600 °C → 0.14 W/mK

800 °C → 0.17 W/mK

Thickness: 40 mm



## EXAMPLES OF INSTALLATION:



## EXAMPLES OF INCORRECT INSTALLATION:

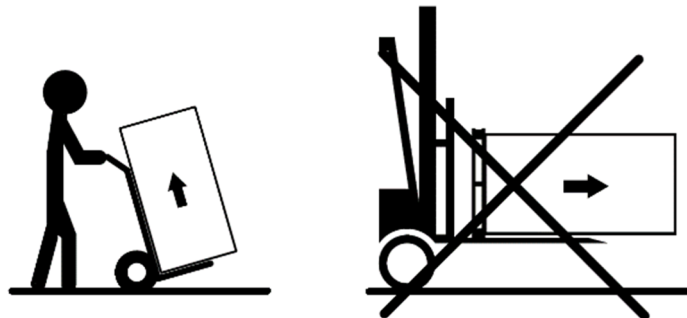
Exhaust pipes must never be fitted pointing downwards or horizontally so that fumes are discharged directly through the external wall.

## 07. INSTALLATION

### 07.1 HANDLING AND UNPACKING

When transporting 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. When unpacking, avoid damaging the product with cutters or blunt tools. Keep the packaging out of the reach of children. Remove the screws of the brackets holding the product to the pallet and put it in position taking care to avoid anything that may block installation or damage the product. Use a lifter or pallet truck to separate the apparatus from the transport pallet using the appropriate opening on its base.

Pay attention to the balance of the product given its size and weight.



### 07.2 PRIMARY AIR INTAKE AND POSITIONING

Observe the safety distances described above.

In compliance with current regulations for installation, the pellet stove must be placed in a ventilated area where sufficient air flows to ensure correct combustion and therefore efficient operation. The room must have a volume of no less than 100 m<sup>3</sup> and, in order to ensure good combustion.

(40 m<sup>3</sup>/h of air) a "combustion air intake" is required, which must reach an external wall or a wall of an adjacent room with external ventilation, provided they are equipped with an outside air intake and are not bedrooms or bathrooms or, where there is a fire hazard such as sheds, garages, storerooms for combustible materials, etc. These air intakes must be created in such a way that they cannot be obstructed neither from the inside nor from the outside and must be protected with grilles, wire mesh or suitable guards, provided that they do not reduce the minimum cross section.

When in operation, pellet stoves can create negative pressures in the rooms where they are installed. Other naked flame equipment must, therefore, not be present in the same room (except only type C (watertight) boilers, unless they have their own air supply).

They must not be positioned close to curtains, armchairs, furniture or to 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 starting to install the pellet stove, bear in mind that all the finishes or any beams in flammable material must be positioned at a safe distance and outside the area of irradiation of the product itself. Also bear in mind that to avoid compromising correct operation of the appliance it is essential to create a recirculation of air inside its housing, which prevents overheating. This is possible by observing minimum distances and by creating ventilation holes.

### 07.3 FUME EXHAUST CONNECTION

When drilling the hole for the passage of the exhaust pipe it is necessary to take into account the possible presence of flammable materials. If the hole must pass through a wooden wall or in any case a wall made of thermolabile material, the installer must use a wall connection and adequately insulate the pipe of the product that passes through it using suitable insulating materials (1.3 - 5 cm thick with a minimum thermal conductivity of 0.07 W/m<sup>2</sup>K).

The same minimum distance must be respected even if the exhaust pipe has to pass through vertical or horizontal sections near the flammable wall.

### 07.4 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.

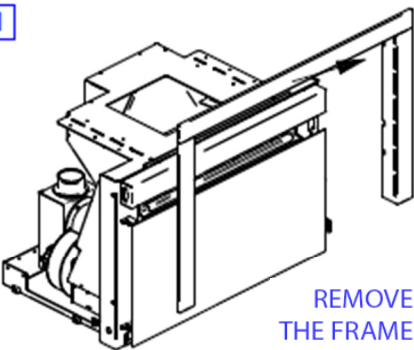
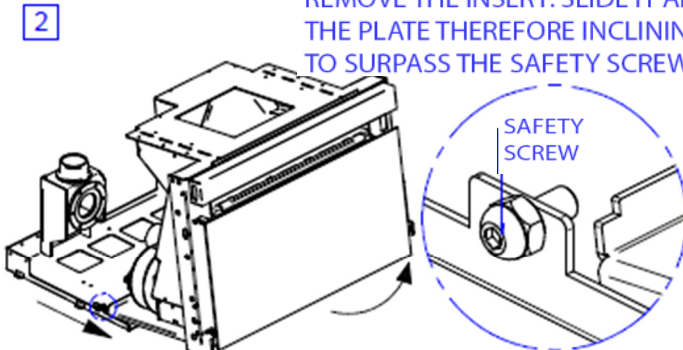
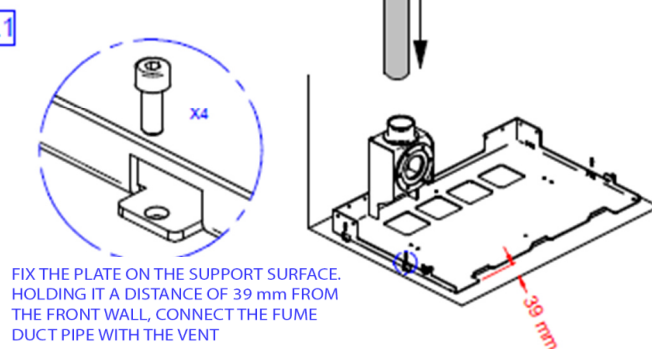
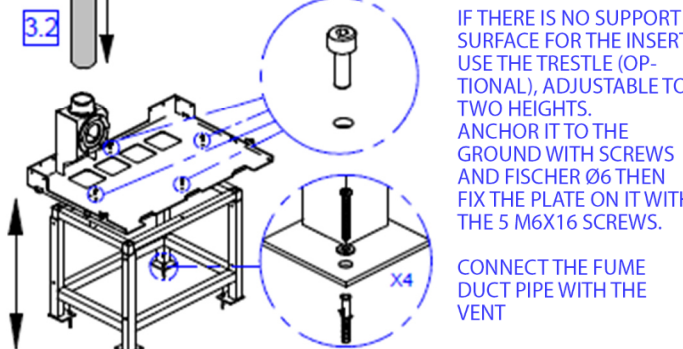
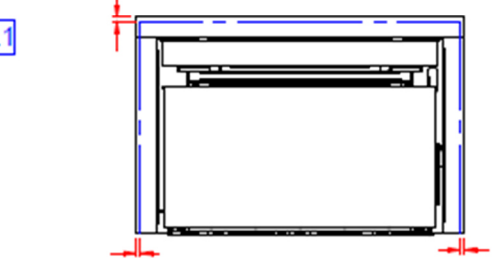
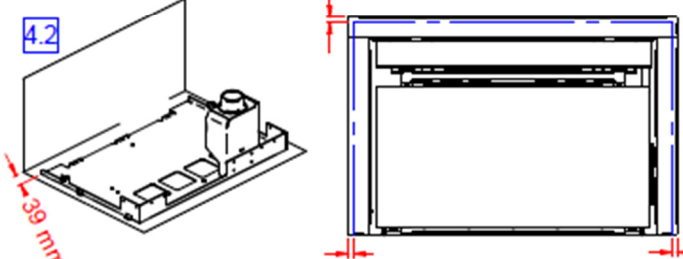
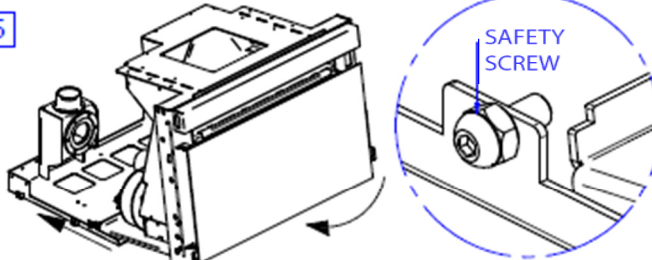
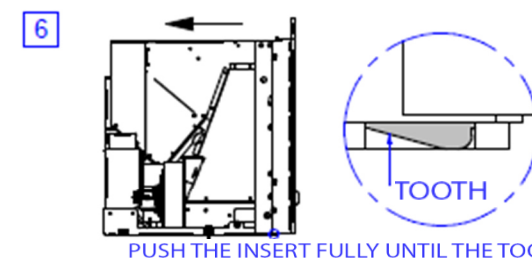
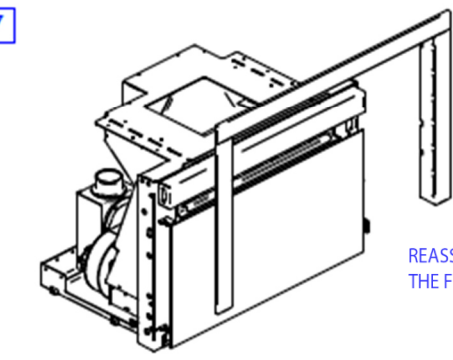
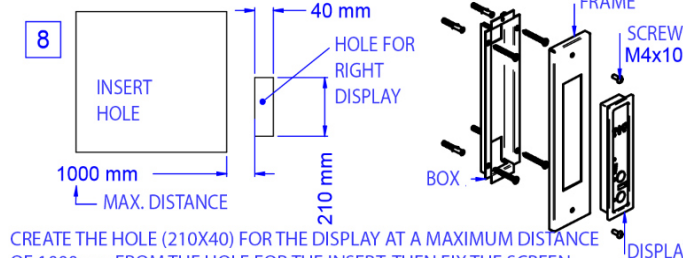
The voltage is 230 V while the frequency is 50 Hz.

The electrical system, at the connection point, must have a ground connection as required by EEC Regulation 73/23 and EEC 93/98.

### 07.5 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 TERM connector of the electronic board. Enable the external thermostat by bringing the room temperature with the P2 key up to 7°C. In the event that the thermostat is closed, the appliance works at the set power. If the thermostat is activated, the appliance will work in the MODULA state until it is switched off; if it is on STAND-BY, it is activated.



<p><b>1</b></p>  <p>REMOVE THE FRAME</p>	<p><b>2</b></p> <p>REMOVE THE INSERT: SLIDE IT ALONG THE PLATE THEREFORE INCLINING IT TO SURPASS THE SAFETY SCREW</p>  <p>SAFETY SCREW</p>
<p><b>INSTALLATION ON PRE-EXISTING STRUCTURE</b></p>	<p><b>NEW INSTALLATION</b></p>
<p><b>3.1</b></p>  <p>FIX THE PLATE ON THE SUPPORT SURFACE. HOLDING IT A DISTANCE OF 39 mm FROM THE FRONT WALL, CONNECT THE FUME DUCT PIPE WITH THE VENT</p>	<p><b>3.2</b></p>  <p>IF THERE IS NO SUPPORT SURFACE FOR THE INSERT, USE THE TRESTLE (OPTIONAL), ADJUSTABLE TO TWO HEIGHTS. ANCHOR IT TO THE GROUND WITH SCREWS AND FISCHER Ø6 THEN FIX THE PLATE ON IT WITH THE 5 M6X16 SCREWS.</p> <p>CONNECT THE FUME DUCT PIPE WITH THE VENT</p>
<p><b>4.1</b></p>  <p>PREPARE THE RECESS FOR THE INSERT AS INDICATED IN THE INSTALLATION WARNINGS</p>	<p><b>4.2</b></p>  <p>CREATE A 39mm SPACED VERTICAL FRONT WALL WITH RESPECT TO THE PLATE. THEN CREATE A FRONT RECESS AS INDICATED IN THE INSTALLATION WARNINGS</p>
<p><b>5</b></p>  <p>CONNECT THE POWER SUPPLY CABLE INCLINE THE INSERT TO SURPASS THE SAFETY SCREW THEN STRAIGHTEN IT AND SLIDE IT ALONG THE PLATE</p> <p>SAFETY SCREW</p>	<p><b>6</b></p>  <p>PUSH THE INSERT FULLY UNTIL THE TOOTH ENTERS THE RELEVANT PLACE. BE CAREFUL NOT TO DAMAGE THE POWER CORD DURING THE OPERATION</p> <p>TOOTH</p>
<p><b>7</b></p>  <p>REASSEMBLE THE FRAME</p>	<p><b>8</b></p>  <p>INSERT HOLE</p> <p>1000 mm MAX. DISTANCE</p> <p>40 mm HOLE FOR RIGHT DISPLAY</p> <p>210 mm</p> <p>FRAME</p> <p>SCREW M4x10</p> <p>BOX</p> <p>DISPLAY</p> <p>CREATE THE HOLE (210X40) FOR THE DISPLAY AT A MAXIMUM DISTANCE OF 1000mm FROM THE HOLE FOR THE INSERT. THEN FIX THE SCREEN WITH THE SCREWS AND THE FISCHER WHERE THE DISPLAY WILL BE HOUSED. WITH THE ADHESIVE SUBSEQUENTLY FIX THE DISPLAY FRAME WITH THE 2 M4X10 SCREWS.</p> <p>ATTENTION: THE DISPLAY MUST BE PLACED VISIBLY FOR COMMUNICATION WITH THE REMOTE CONTROL</p>

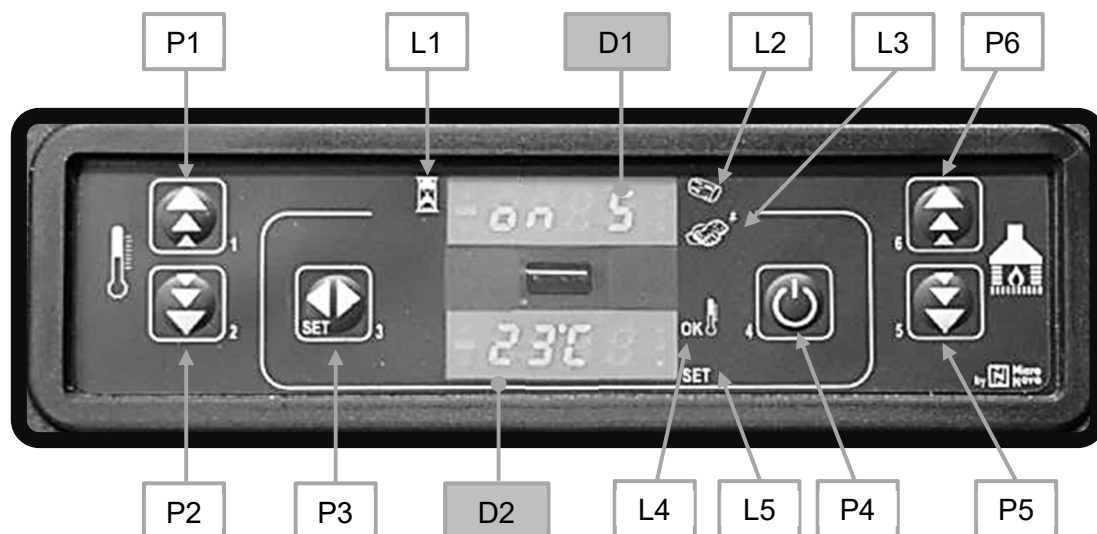
## 07.7 IGNITION

The first procedure to be carried out is to connect the plug of the product to the mains; fill the pellet hopper (pay special care not to empty the entire bag at once, but to carry out the procedure slowly so as not to introduce any pellet powder present in the bag into the hopper). If applicable, be careful not to damage the pellet hopper door gasket and keep the support surface of the hopper clean.

Do not use pellets of poor quality. The use of substandard pellets can prevent the stove from reaching its 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. Load the pellets then from the main menu perform the INITIAL LOAD, and then turn on the stove.

## 08. PRODUCT USE

### 08.1 CONSOLE



#### 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.

#### PANEL DESCRIPTION

**Button (P1)** Increase room temperature

**Button (P2)** Decrease room temperature

**Button (P3)** Set / menu

**Button (P4)** ON/OFF

**Button (P5)** Decrease heat output

**Button (P6)** Increase heat output

**LED (L1)** Chrono enabled – CHRONO

**LED (L2)** Auger in motion – AUGER ON

**LED (L3)** Remote control reception – REMOTE CONTROL

**LED (L4)** Thermostat enabled – ROOM SET

**LED (L5)** Flashing during temperature set or in menus – SET

#### Display (D1):

It displays the detected room temperature and the time at start-up.

During working mode, it shows the heat output set by the user.

When modifying user/technician parameters, it shows the value of the parameter in question.

#### Display (D2):

It shows the board status during start-up phase.

During working mode, it shows the temperature set by the user.

When modifying user/technician parameters, it shows the label of the

### 08.2 MENU

#### MENU

Press button P3 to access the menu. This includes several items and levels to access settings and control board programming.

#### Menu M1 – SET CLOCK

Press SET (P3) once; the M1 SET CLOCK menu appears, confirm by pressing SET (P3) once, with the left arrows set the current day and press SET (P3); set the current hour and press SET (P3), set the minutes and press SET (P3); set the current day as a number and press SET (P3); set the current month as a number and press SET (P3), and set the current year as a number. To confirm and exit the M1 menu, press the ignition button once.

#### Menu M2 – SET CHRONO

##### Sub-menu M2 – 1 – CHRONO ENABLE

Press SET (P3) once, with the arrow (P5) go to M2: enter the menu by pressing SET (P3) once, the menu M2-1 appears, confirm with SET (P3) and with the arrow (P1), set ON to activate the general chrono, go back by pressing the ON-OFF button once, with the arrow (P5) choose the program to enable.

##### Sub-menu M2 – 2 PROGRAM DAY

Two fixed ON/OFF cycles for each day

##### Sub-menu M2 – 3 WEEKLY PROGRAMME “PROGRAM END-SETT”

Four ON/OFF cycles and the days must be selected for each time

##### Sub-menu M2 – 4 WEEKEND PROGRAMME “PROGRAM END-SETT”

Two ON/OFF cycles for Saturday and Sunday

#### Setting a programme

Enter the desired programme by pressing set (P3) once, the first parameter is to enable the programme itself, set it to ON by pressing the arrow (P1) (**CAUTION: ENABLE ONE PROGRAMME AT A TIME TO PREVENT ISSUES WITH THE CHRONO**) press SET (P3) to set the START time, with the arrows (P1) and (P2)

set the desired ignition time; press SET (P3) to set the STOP time: with the arrows (P1) and (P2) set the switch-off time, valid only for the weekly program; now press SET to confirm the days, arrows (P5) and (P6) navigate between the days of the week and arrow (P1) sets ON or OFF. When the times and days have been set, press the ON-OFF button to confirm and exit the chrono until the initial screen is reached; if the times have been set correctly, a green LED will illuminate near the HOURGLASS on the left of the upper display.

**Menu M3 – LANGUAGE**

Use this command 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.

**Menu M4 – STAND-BY**

Use it to enable or disable the Stand-by mode. Once the M4 menu has been selected with the P3 button, press P1 or P2 to change the status from ON to OFF and vice versa. Refer to the section concerning the stand-by mode for more details on its functioning.

**Menu M5 – LOAD INITIAL**

This command 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 M5 menu, “P1 TO LOAD” will scroll on the display. Then press P1 (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 has elapsed or after pressing the P4 button.

**Menu M6 – STATE STOVE**

After entering menu M6 by pressing P3 button, the status of a number of parameters with stove in working mode scrolls on the display. The table below contains an example of the scrolling values on the display including their meaning.

Displayed status – Meaning				
3.1" - Pellet loading auger status	52' - Time out	Toff - Thermostat status	106° - Flue gas temperature	1490 - Flue gas extraction speed

**Menu M7 – SET TECHNIC**

This menu item is reserved for the stove installer. After entering the access key using buttons P1 (increase) and P2 (decrease), the various operating parameters of the stove can be set.

**08.3 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 P4 button down for a few seconds to switch on the stove. The display will indicate that it has been switched on with the wording “START”. During this phase, the stove goes into pre-heating status; both the glow plug (as indicated by the corresponding glow plug LED) and the exhaust blower switch on. Any problem detected during the switching-on phase is indicated on the display and the stove goes into the alarm status.

**Pellet loading**

After approximately 1 minute, the pellet loading phase begins and the message “LOAD PELLET” 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 switches off (auger LED off), while the exhaust blower speed 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 “FLAME LIGHT” appears on the display. The exhaust blower speed is fixed, the auger tube remains on for a determined period of time (auger tube LED flashing) and the glow plug is off (glow plug LED 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 working mode. The upper display shows the time and the room temperature and the lower one the set heat output and the heat output in which the stove is found. The heat output can be set by pressing buttons P5, P6 and the room temperature can be set by pressing buttons P1, P2. If the fume temperature reaches a certain set threshold, the air exchanger fan turns on. During this phase, the stove cleans the burn pot. The message “CLEAN BRAZIER” appears on the display, the auger tube switches 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 normal operation of the stove, the heat output can be changed by pressing buttons P5, P6. Press P6 button again to increase the heat output and P5 button to decrease it. The display will show the set heat output. Do not press any buttons for 5 seconds or press P4 button to exit the setting mode.

**Changing set room temperature**

Press P1 and P2 buttons to change the 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 P4 to exit. “Man” puts the stove into manual mode with a fixed heat output, or T-E to be chosen if an external thermostat is connected.

**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 “MODULATE”. If the room temperature falls below the set temperature (Set temperature), the stove returns to “WORKING” 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 command allows the stove to be switched off after complying with the following conditions. It is enabled if, for a certain time, the room temperature is higher than the set temperature (Room set) plus a pre-set temperature delta. The display shows “GO-STBY”, followed by the remaining time in minutes. At the end of the given time, the display shows “ATTESA RAFFRED-”. 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 stand-by mode and scrolls the wording “STOP ECO TEMP OK”. 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 (Room set) minus the threshold given by the temperature delta, the stove switches on again.

**Stove switch off**

Hold P4 button down to switch off the stove. The display shows the message (CLEANING FINAL). 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).



## 08.4 ALARMS

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

**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 set period of time 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.

### **AL1 BLAC-OUT – Power outage alarm**

Power outage may occur with the stove in working mode. When restarting, if the outage period is less than 20 seconds, the stove restarts in **WORKING** mode, otherwise an alarm will sound. The display shows the message “AL1 POWER OUTAGE” and the stove switches off.

### **AL2 PROBE EXHAUST – Fume temperature probe alarm**

The alarm is triggered in case of faulty fume probe. The stove goes into alarm status and the alarm LED illuminates (LED alarm on). The stove will show the wording “AL2 FUME PROBE” on the display and will switch off.

### **AL3 HOT EXHAUST – Fume over-temperature alarm**

This occurs if the fume probe detects a temperature greater than a fixed set value that cannot be changed using a parameter. The display shows the message “AL3 HOT FUMES” and the stove switches off.

### **AL4 FAN FAILURE – Fume encoder fault alarm**

The alarm is triggered in case of exhaust blower failure. The stove will go into alarm status and the message “AL4 EXTRACTION FAULT” will appear on the display.

### **AL5 NO LIGHTIN- – Ignition fault alarm**

The alarm is triggered in the event of ignition phase fault. This occurs if, after a given time, the fume temperature does not exceed a given threshold. The display shows “AL5 IGNITION FAULT” and the stove goes into alarm status.

### **AL6 NO FIRE – No pellet alarm**

This occurs when the fume temperature falls below a given parameter during operation. The display shows (AL6 NO FLAME) and the stove goes into alarm status.

### **AL7 SAFETY THERMAL – THERMAL safety over-temperature alarm**

The alarm is triggered whenever the general safety thermostat detects a temperature exceeding the trigger threshold. The thermostat trips and switches off the auger as it is placed in series with its power supply, and the controller trips by signalling alarm status (alarm LED on), showing “AL7 THERMAL SAFETY” on the display, and the stove switches off.

### **AL8 FAILURE DEPRESS – No negative pressure alarm**

This occurs when the external pressure switch detects a pressure above the trigger threshold. The pressure switch intervenes by switching off the auger, being electrically connected in series, and the controller signals alarm status (alarm LED on) showing “AL8 NO NEG. PRESSURE” on the display. The stove switches off.

**In case of alarm, the stove is 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. Every time an alarm is cleared, for safety, a stove shutdown phase is started. 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.

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

Alarm status can be reset by pressing the P3 button.

### **Safety thermostat**

In the event that the general safety thermostat detects a water temperature above the threshold, the same intervenes to disconnect the auger (whose power supply is in series). The **THERMAL SAFETY** message is displayed and the system is shut down. 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 flue pipe is non-compliant: the pipe must minimise the pressure in Pascals required by the manufacturer (see TECHNICAL DATA) at both low and maximum heat output;
- The flue pipe or combustion air intake is obstructed;
- Excessive dirt inside fume circulation area: empty the ash that is deposited in the part adjacent to the ash drawer compartment.

### **Damage exhaust blower alarm**

In the event the fume extraction fan is damaged, the stove switches off and the message FAN FAILURE is displayed.

### **Power outage alarm**

In the event of a power cut for a certain period of time, the device goes into BLACK OUT alarm when the voltage returns. Wait for the stove to cool and then switch it back on.

### **SERVICE MESSAGE**

The stove will display the message SERVICE (or SER) during operation depending on the number of hours of operation. The wording does not lock operation of the stove, but non-routine maintenance will be required by an authorised technician, who will reset the service hours.

## 10. CLEANING AND ROUTINE MAINTENANCE

The stove requires simple and frequent cleaning to guarantee maximum efficiency and correct operation.

The Buyer must carry out regular cleaning of the stove following the instructions contained in this Instruction Manual, and in particular must carry out daily cleaning before each ignition or refilling of pellets, the ash drawer, the fire pit and the combustion chamber.

Failure to clean and/or routinely maintain the stove can cause: malfunctions, obstruction of the fire pit and pipes, poor or slow combustion, or overheating of the stove and fire in the hopper.

Eva Stampaggi S.r.l. assumes no direct and/or indirect criminal and/or civil liability for the malfunction of the stove and for injury to persons or damage to property caused by failure to clean/incorrect cleaning or routine maintenance of the stove.

Carry out daily cleaning with a cold boiler as follows:

- Vacuum the base of the fire pit inside the combustion chamber

Carry out weekly cleaning with a cold boiler as follows:

- Vacuum the combustion chamber, ensuring that there are no burning embers remaining. If embers are still burning, the vacuum cleaner will catch fire;
- Remove the ash that collects inside the firebox and on the door.
- Clean the glass with a damp cloth or with a ball of damp newspaper dipped in ash. If the operation is performed with the stove hot there is a risk of the glass exploding.
- Empty the ash drawer, by vacuuming it or throwing the ash out with the rubbish.
- Vacuum the ash drawer compartment and the adjacent inspection window.



Carry out monthly cleaning with a cold boiler as follows:

- Vacuum the T lid of the fume connection. Open the side inspection window and remove the T lid.

Caution: Only use a dry cloth to clean the stove. Do not use abrasive material or products that could corrode or bleach surfaces. At the end of the season, with the last ignition, the pellet remaining in the auger must be consumed completely. The auger must remain empty to avoid clogging due to solidified sawdust residue created by moisture.

## 11. NON-ROUTINE CLEANING AND MAINTENANCE

The purchaser must have the flue pipe and ducting cleaned annually, before winter, by qualified technical personnel with the documentation to be shown in the event of activation of the warranty.

Before performing maintenance it is recommended to turn the stove off using the power button, and remove the plug.

Cleaning must also be carried out before resuming use of the stove, as during the summer there may have been impediments to the regular flow of exhaust gases (e.g. nesting, fouling or obstruction).

Not carrying out non-routine maintenance may cause: negative pressures with poor draught and slow flame, obstruction of the fire pit and pipes, overheating of the stove and fire in the fume ducting.

Eva Stampaggi S.r.l. assumes no criminal and/or civil liability, direct and/or indirect for the malfunction and those resulting from people or things caused by the failure/incorrect extraordinary maintenance of the stove.

It is not uncommon, at the first cold spell and with wind for fires to ignite in the chimney due to the residue build up; some advice in the unfortunate event of this happening is:

- Block air access to the flue pipe immediately;
- Use large handfuls of sand or salt, not water, to extinguish the fire;
- Move objects and furniture away from the hot chimney.

Caution: Only use a dry cloth for cleaning the outside of the stove. At the end of the season, with the last ignition, the pellet remaining in the auger must be consumed completely. The auger must remain empty to prevent obstruction due to solidified sawdust residue created by moisture.

## 12. 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 OR ON/OFF SWITCH
	FAULTY ELECTRICAL CABLE	CALL TECHNICAL ASSISTANCE.
	INTERRUPTED FUSE IN CONTROL BOARD	CALL TECHNICAL ASSISTANCE.
	FAULTY CONTROL BOARD	CALL TECHNICAL ASSISTANCE.
ALAR COOL FIRE ACTIVE ALARM MISSING PELLETS ACTIVE ALARM NOT ON - AL6 MISSING PELLETS AL6 NO FLAME NO FLAME	POWER OUTAGE	CHECK PLUG AND POWER SUPPLY.
	NO PELLETS	CHECK TANK.
	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.
ALAR NOT ON ACTIVE ALARM NOT ON - AL5 FAILURE TO TURN ON NO STAB	POWER OUTAGE	SWITCH STOVE ON AND OFF, CHECK PLUG.
	NO PELLETS	CHECK TANK.
	SAFETY THERMOSTAT TRIGGERED	MANUALLY RESET THE THERMOSTAT LOCATED ON STOVE BACK
	FAULTY FUME SENSOR	CALL TECHNICAL ASSISTANCE.
	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.
	FAULTY CONTROL BOARD	CALL TECHNICAL ASSISTANCE.
	FAULTY EXHAUST BLOWER	CALL TECHNICAL ASSISTANCE.
	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.
ALAR COOL FIRE AL1 BLAC-OUT	DURING OPERATION THE ELECTRICITY SUPPLY WAS CUT OFF	IF FOR MORE THAN 20 SECONDS THE STOVE GOES OFF/BURN POT CLEANING IF FOR LESS THAN 20 SECONDS THE STOVE RESTARTS IN OPERATING MODE
BURN POT CLEANING	WARNING THAT APPEARS AFTER 8 HOURS OF STOVE OPERATION (4/5 KW MODELS ONLY) 8 HOURS ARE CUMULATIVE	TO CLEAR THE WARNING, PRESS ALL 3 BUTTONS ON THE DISPLAY FOR 4-5 SECONDS
IRREGULAR SLOW FLAME DIRTY GLASS	ANTI-EXPLOSION DEVICE PLUG MISSING OR NOT CORRECTLY POSITIONED.	
	PARTIALLY CLOGGED VENT PIPE	CLEAN VENT PIPE IMMEDIATELY.
	COMBUSTION AIR NOT SUFFICIENT	SUCTION PIPE CLOGGED.
	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.
	POOR QUALITY PELLETS	CHANGE PELLET TYPE
ALAR FAN FAIL ASPIRAT-FAULT ACTIVE ALARM AL4 ASPIRAT-FAULT AL. FAN	FAULTY OR DEFECTIVE FUME FAN	CALL TECHNICAL ASSISTANCE.
	THE BOARD DOES NOT HEAR THE MOTOR RUNNING (DEFECTIVE BOARD)	CALL TECHNICAL ASSISTANCE.
ECO/MODULE	REACHING THE SET AMBIENT TEMPERATURE/ CORRECT OPERATION, THE STOVE WORKS AT POWER LEVEL 1. INCREASE SET ROOM TEMPERATURE SO THAT APPLIANCE GOES BACK TO "WORKING" MODE.	
STOP FIRE CLN-BURN POT CLEAN BURN POT BURN POT CLEANING	PERIODIC CYCLE OF BURN POT CLEANING	CORRECT OPERATION.
STAND-BY / ECO STOP / PAUSE	REACHING SET AMBIENT TEMPERATURE / CORRECT OPERATION	
ALAR DEP FAIL ACTIVE ALARM MISSING DEPRESS- AL8 MISSING DEPRESS- AL. VACUOST – AL DEPR.	EXCESSIVE OR INADEQUATE VENT PIPE LENGTH	FIREPLACE NOT COMPLIANT, MAX 6 METRES OF TUBE WITH Ø 80mm AT EACH 90° BEND OR T-CONNECTOR AS 1 METRE OF TUBE.
	CLOGGED OUTLET	CLEAN VENT PIPE / CALL AUTHORISED TECHNICIAN.
	BAD WEATHER CONDITIONS	STRONG WIND.
ALARM ACTIVE FLOW ALARM AL FLUX	SENSOR DIRTY, BARREL CLOGGED OR DOOR OPEN.	CALL TECHNICAL ASSISTANCE.
ALAR SAF FAIL THERMAL-SAFETY ACTIVE ALARM AL7 THERMAL-SAFETY AL. SAF.	BOILER TEMPERATURE TOO HIGH	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 OR BLOCKED	CALL TECHNICAL ASSISTANCE.
	FAULTY THERMOSTAT WITH RESET	CALL TECHNICAL ASSISTANCE.

	FAULTY CONTROL BOARD	CALL TECHNICAL ASSISTANCE.
<b>ALAR SMOKE PROBE</b> <b>SMOKE PROBE ACTIVE ALARM</b> <b>AL2 SMOKE PROBE</b> <b>AL. SMOKE P.</b>	FAULTY FUME SENSOR	CALL TECHNICAL ASSISTANCE.
	FUME SENSOR DISCONNECTED	CALL TECHNICAL ASSISTANCE.
<b>ALAR HOT TEMP</b> <b>HOT SMOKE ACTIVE ALARM</b> <b>AL3 HOT FUMES</b> <b>AL. T. FUMES</b>	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.
<b>WATER PROBE ALARM</b>	WATER SENSOR FAULT	CALL TECHNICAL SUPPORT.
<b>HOT WATER ALARM</b>	MAXIMUM WATER THRESHOLD EXCEEDED	WAIT UNTIL THE STOVE COOLS.
<b>WATER PRESS ALARM</b>	HIGH OR LOW SYSTEM PRESSURE, AIR IN THE CIRCUIT	LOAD THE HYDRAULIC SYSTEM OR EMPTY IT.
<b>TERM/DOOR SAFETY ALARM</b>	THERMAL SAFETY THERMOSTAT OR FIRE DOOR OPEN/CLOSED INCORRECTLY	- LET THE STOVE COOL, RE-ARM THE MANUAL THERMOSTAT AT THE REAR. RESTART THE STOVE - . -CHECK THAT THE FIRE DOOR IS CLOSED CORRECTLY
<b>ALARM AUGER TUBE TRIAC</b>	THE BOARD DETECTS INCORRECT OPERATION OF THE PELLET LOADING MOTOR	-SWITCH THE STOVE OFF AND BACK ON - CALL TECHNICAL ASSISTANCE
<b>ALARM ENCODER COC</b>	SCREW FEEDER MOTOR FAULTY OR BLOCKED	CALL TECHNICAL SUPPORT.
<b>T. card (°C)</b>	THE TEMPERATURE OF THE BOARD HAS EXCEEDED 70°C	ALLOW THE STOVE TO COOL AND THEN TURN THE STOVE BACK ON. IF THE ALARM REAPPEARS, CONTACT TECHNICAL ASSISTANCE.
<b>(FIELD SEARCH) REMOTE CONTROL DOES NOT CONNECT</b>	REMOTE CONTROL HAS LOST THE UNIT	PRESS THE KEYS 1 AND 2 SIMULTANEOUSLY FOR ABOUT 3-4 SECONDS UNTIL THE "CHOOSE UNIT" APPEARS (FACTORY OUTPUT UNIT 0 DEFAULT)
	POSSIBLE INTERFERENCE	TRY DISCONNECTING FROM THE MAINS SUPPLY ANY HOUSEHOLD APPLIANCE OR ANY OTHER APPLIANCE THAT MAY GENERATE ELECTROMAGNETIC FIELDS.
<b>REMOTE CONTROL DOES NOT SWITCH ON</b>	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)

**CERTIFICATE OF INSTALLATION AND TESTING**

CUSTOMER: \_\_\_\_\_

Dealer Stamp: \_\_\_\_\_

STREET/ROAD: \_\_\_\_\_

CITY: \_\_\_\_\_

POSTAL CODE: \_\_\_\_\_

Installer stamp: \_\_\_\_\_

PROVINCE: \_\_\_\_\_

TEL: \_\_\_\_\_

Delivery date: \_\_\_\_\_

First name: \_\_\_\_\_

Delivery date: \_\_\_\_\_

Last Name: \_\_\_\_\_

Equipment mod.: \_\_\_\_\_

Address: \_\_\_\_\_ Postcode: \_\_\_\_\_

Serial number: \_\_\_\_\_ Year: \_\_\_\_\_

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.

CUSTOMER Signature    DEALER / INSTALLER Signature

## Warranty

Eva Stampaggi S.r.l. guarantees construction of the stove in compliance with, and according to, EN 13240 (wood-burning stoves) EN 14785 (pellet stoves) and EN 12815 (wood-burning residential range cookers).

Eva Stampaggi S.r.l. guarantees that the stove is free from defects that make it unsuitable for its intended use or significantly reduce its value. The rules of the Italian Civil Code or applicable national law governing the guarantee in the sales contract, or applicable national law ex D. Int.

Any non-compliance may be upheld with the warranties and procedures provided for in Legislative Decree 206/2005, provided that the purchaser was aware of the defect, or was not able to ignore it with ordinary due diligence, or if the non-compliance derives from instructions or materials supplied by the same.

The warranty excludes malfunctions, defects and/or faults and consequent damages, resulting from property and/or persons, attributable to an abnormal and/or improper use of the product and/or not in compliance with the safety regulations and/or with the "Instruction Manual", or resulting from an installation that does not comply (to which the absence of documents certifying such compliance is also equated) with current regulations and safety directives, or performed by unqualified personnel (UNI10683 and UNIEN 1443), or when, by way of example, there is a direct discharge to the wall.

Likewise, any non-conformity that may be randomly attributed to a use or installation of the product that does not comply with applicable laws and regulations and/or the instructions contained in this "Instruction Manual" will not be covered by warranty.

The aforementioned warranty is also excluded for defects in conformity, malfunction, defects and/or faults and the consequent damage, caused to property and/or persons, resulting from the use of the stove in a manner that does not comply with safety directives.

The warranty for malfunction, defects and/or defects and/or faults does not work and Eva Stampaggi S.r.l. assumes no responsibility for damages caused to property or persons resulting from: the lack of first ignition carried out by a specialised technician, to which the absence of such documents, proving said operation, is equated; from the violation and/or non-compliance with the provisions of this Instruction Manual; from the tampering and/or alteration of the stove and its electrical board; from the non-compliance with lights and alarms; from the failure to clean and routine maintenance; from the failure to clean and extraordinary maintenance carried out by specialised technical personnel, to which the absence of documents proving said maintenance is equated; from the improper use of the stove; from the lack of installation requirements; from the non-compliance with the procedures for reporting conformity defects provided for in Legislative Decree no. 206/2005; from the use of unsuitable or poor-quality fuel; from modifications and/or repairs carried out without prior notification and corresponding authorisation by Eva Stampaggi S.r.l.; from the use of non-original and/or non-specific spare parts for the stove.

The above list must be considered as non-exhaustive and, therefore, cases not explicitly indicated but which, by virtue of interpretation, may be equated with the cases listed must also be considered as included among the cases of exclusion in the warranty.

All the following differences related to the natural characteristics of the coating materials are excluded from the warranty: the grains of the stones that are the main characteristic and that guarantee their uniqueness; any small cracks or cracks that could be highlighted in ceramic/majolica coatings; any differences in shades and shades on ceramic/majolica coatings; door glass; gaskets; masonry works.

Eva Stampaggi S.r.l. assumes no responsibility for: damage to chrome finished and/or anodised metal parts and/or painted or otherwise with treated surfaces, whether due to rubbing or impact with other metals; damage to chrome finished and/or anodised metal parts and/or painted or with treated surfaces, whether due to improper maintenance and/or cleaning with products or chemical agents (said parts must be cleaned using only water); damage to mechanical components and mechanical parts due to improper use or installation by non-specialist personnel or for installation not in compliance with the instructions contained in the packaging; damage to electrical or electronic components and parts due to improper use or installation by non-specialist personnel or for installation not in compliance with the instructions contained in the packaging.

Ignition resistors are materials subject to wear and tear, the duration of which depends on the use of the stove; the corresponding warranty is, therefore, limited to the first 6 months of use of the product.

**Warning: after purchase, keep the warranty certificate together with the original packaging of the product, the installation and testing certificate and the receipt issued by the seller. The date of the sales tax document will determine the actual duration of the warranty.**

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

The after-sales service is managed by our staff who may be contacted on 0438.35469 or by e-mail at [assistenza@evacalor.it](mailto:assistenza@evacalor.it).

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

Should it not prove possible to solve the issue over the phone, our staff will forward it to the Technical Support Service closest to you, which will guarantee support by 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 dealer who will then deliver it to the end user following the same procedure as for the product purchase.

The warranty is valid in Italy; in the event of sale or installation carried out elsewhere, the guarantee must be recognised by the distributor in that region.

The warranty is carried out with the repair or replacement of defective parts, or the entire item, at the discretion of the company.

### When requesting assistance, you must have the following to hand:

- Serial number
- Stove model
- Purchase date
- Purchase location
- Warranty goodwill certificate completed by specialist Technical Support Centre

## IMPORTANT:

**EVA STAMPAGGI ADVISES TO CONSULT WITH ITS AUTHORIZED DEALERS AND SERVICE CENTERS.**

**AN INSTALLATION ACCORDING TO THE LAW IS MANDATORY, EVA STAMPAGGI STRONGLY RECOMMENDS A FIRST IGNITION OF ITS PRODUCTS WITH A QUALIFIED TECHNICIAN.**

**EVA STAMPAGGI HAS NO LIABILITY OF ONLINE SALES AND RELATED OFFERS, BECAUSE IT DOES NOT MAKE DIRECT SALES TO THE GENERAL PUBLIC.**

**FOR ANY TECHNICAL PROBLEM DURING THE PERIOD OF THE LEGAL WARRANTY, THE PROCEDURE REQUIRES TO CONTACT THE DEALER OR DIRECTLY OUR AFTER SALE SERVICE.**



The presence of this symbol applied to the product determines that it is NOT a refusal to be considered generic, but must be demolished and disposed of in compliance with the rules in force in your country, making sure that the collection centers are in accordance with the law and respectful of the environment. The responsibility for such disposal is to be borne by the owner and to not incur sanctions or adverse effects on the environment and health, we recommend you contact the local administration, the local waste disposal center or the retailer directly to get more information about places and ways of collecting.

Proper waste disposal is important not only for the environment and the health of citizens, but also because this operation leads to a recovery of materials that have significant energy and resource savings.

**Eva Stampaggi S.r.l.**  
**Via Cal Longa Z.I.**  
**I - 31028 Vazzola (Treviso - Italy)**  
**Tel. +39.0438.740433 rollover lines**  
**Fax +39.0438.740821**  
**Email: [info@evacolor.it](mailto:info@evacolor.it)**

**Dealer Stamp and Signature**





Eva Stampaggi S.r.l.  
Via Cal Longa Z.I.  
31028 Vazzola (TV) ITALIA  
Tel: +39 0438 740433  
Fax: +39 0438 740821

I dati e le caratteristiche indicate non impegnano Eva Stampaggi S.r.l., che si riserva il diritto di apportare le modifiche ritenute opportune senza obbligo di preavviso o di sostituzione.  
Tutti i diritti riservati. Vietata riproduzione totale o parziale senza espressa autorizzazione di Eva Stampaggi S.r.l.

The data and features indicated are in no way binding to Eva Stampaggi S.r.l. The company reserves the right to make any changes necessary without prior notice or replacement.  
All rights reserved. Total or partial reproduction prohibited without the express authorisation of Eva Stampaggi S.r.l.

Les données et caractéristiques indiquées n'engagent pas Eva Stampaggi S.r.l., qui se réserve le droit d'apporter les modifications jugées opportunes sans obligation de préavis ou de remplacement.  
Tous droits réservés. La reproduction totale ou partielle sans autorisation expresse de Eva Stampaggi S.r.l. est interdite.

Die angegebenen Daten und Eigenschaften binden das Unternehmen Eva Stampaggi S.r.l. nicht, das sich das Recht vorbehält, ohne zu Vorankündigungen oder Ersetzungen verpflichtet zu sein, für opportun gehaltene Änderungen vorzunehmen.  
Alle Rechte vorbehalten. Der vollständige oder teilweise Nachdruck ist ohne die ausdrückliche Genehmigung der Eva Stampaggi GmbH nicht gestattet.

Los datos y las características que se indican no son vinculantes para Eva Stampaggi S.r.l. que se reserva el derecho de efectuar las modificaciones que juzgue oportunas sin previo aviso o sustituciones.  
Todos los derechos están reservados. Prohibida la reproducción total o parcial sin la autorización expresa de Eva Stampaggi S.r.l.

Os dados e as características indicadas não comprometem a Eva Stampaggi S.r.l., que se reserva o direito de efetuar as modificações consideradas oportunas sem obrigação de aviso prévio ou de substituição.  
Todos os direitos reservados. É proibida a reprodução total ou parcial sem a autorização expressa da Eva Stampaggi S.r.l.