

USE AND MAINTENANCE INSTRUCTIONS

PELLET STOVE

Air Channelled Air Hydro Boilers

Read instructions carefully before installation, use and maintenance. The instructions manual is an integral part of the product.

DECLARATION OF CONFORMITY

In compliance with the following guidelines:

- 89/366 CEE
- 2004/108 CE
- 2006/95 CE
- 89/106 CEE

Dear Customer, Thank you for choosing one of our products, which is a result of technological expertise and our continuous quest for superior products in terms of safety, reliability and performance. This manual contains all the information and helpful tips for using your product with maximum safety and efficiency.

IMPORTANT INFORMATION

This manual has been prepared by the manufacturer and is an integral and essential part of the product. In the event of sale or transfer of the product, always ensure the presence of the manual as the information it contains is addressed to the purchaser and to all those various people involved in the installation, use and maintenance of the product. Carefully read the instructions and information contained in this manual before installation, operation and maintenance of the product. The instructions contained in this instruction manual guarantee the safety of persons and property and ensure efficient operation and a longer service life. The manufacturer declines all responsibility for damage caused by failure to observe instructions regarding installation, use and maintenance listed in the instruction manual, for unauthorised modifications or non-original replacement parts. Product installation and use must be carried out in accordance with the manufacturer's instructions and in compliance with European, national and local regulations. Installation, electrical connection, functional testing, maintenance and repairs are operations that must be performed by qualified and licensed personnel who must have appropriate knowledge of the product. Product installation must not be carried out close to walls made of wood or combustible material. For proper installation, you must observe the following "Safety distances" section. Verify the exact flatness of the floor where you will install the product. When handling the steel parts of the cladding, use clean cotton gloves to avoid leaving difficult to remove fingerprints for the first cleaning. Stove installation must be performed by at least two people. Connect the stove to the mains only after proper professional connection to the chimney flue. The power cable plug must remain accessible after installation of the stove. Only operate the stove with regulation wood pellets (refer to the "FUEL" chapter). Never use liquid fuels to operate the pellet stove or to stoke the embers present. Provide adequate ventilation in the installation area throughout the year. In the presence of operation failures, fuel supply will be interrupted. Re-start the unit after removing the cause of the failure. Discontinue use of the product in the event of failure or malfunction. Do not remove the safety guard located in the pellet tank. Any accumulated unburned pellets in the burner as a result of repeated "failed ignitions must be removed prior to ignition." Pellet stove operation can cause very hot heating of the handles, the chimney flue and glass surfaces. Only touch these parts during operation when wearing protective clothing or with adequate aids. Because of the creation of heat on the glass, make sure that no persons unfamiliar with stove operation stand in the installation area. Inform children of the precautions to be observed during product operation and of possible dangers. In the event of problems or misunderstanding of the instructions manual, contact your dealer. Placing objects which cannot withstand heat on the stove or within the minimum required safety range is prohibited. Do not open the door during operation or operate the stove with its glass broken. For product terms, limitations and exclusions, please refer to the warranty included with the product. In order to pursue a policy of constant product development and renewal, the manufacturer may make changes to it as deems appropriate without notice. This document is the property of the manufacturer and cannot be disclosed in whole or in part to any third party without the written consent of the company, which reserves all rights to the rigor of the law.

GUIDELINES AND STANDARDS

All our products are manufactured according to the following guidelines:

89/366 CEE
2004/108 CE
2006/95 CE
89/106 CEE

in compliance with the following standards:

EN 60335-1; EN 60335-2-102
EN 61000-3-2; EN 61000-3-3
EN 50366; EN 55014-1 ; 55014-2
EN 14785 *; EN 303-5 *
* depending on model

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1 GENERAL STANDARDS

In general, refers to regulations concerning "heat generators fed with wood and other solid fuels", UNI 10683:2005.

1.1 Fireplace or Chimney flue

Each device must have a vertical duct, called a chimney flue, for outside release of combustion fumes produced by a natural draft.

The chimney flue must meet the following requirements:

- It should not be connected to any other fireplace, stove, boiler, or hood of any kind (Fig. 1).
- It must be properly spaced from combustible or flammable materials through an air gap or suitable insulating material.
- The internal section must be uniform, preferably circular: the square or rectangular sections must have rounded corners with a radius of no less than 20 mm, maximum ratio between the sides of 1.5, walls as smooth as possible and without restrictions, curves must be regular and seamless, deviations from the axis no greater than 45° (Fig-2).
- Each device must have its own chimney flue with a section equal to or greater than the diameter of the fume exhaust pipe of the stove and a height no less than the one stated (see table 2).
- Never use two stoves, a fireplace and a stove, a stove and a wood stove, etc. in the same room since the draft of one could damage the draft of the other. In addition, collective ventilation ducts that can cause a vacuum in the installation environment are not permitted, even if installed in adjacent rooms and communicating with the installation room.
- Creating fixed or mobile apertures on the chimney flue to connect equipment other than auxiliary devices is prohibited.
- Passing other air supply channels and piping for utilities through the chimney flue, however large, is prohibited.
- The chimney flue should be equipped with a collection chamber for solid materials and any condensate, located below the mouth of the flue, so as to be easily opened and inspected from an airtight door.
- Whenever using parallel output chimneys, it is advisable to raise a bracing element. (Fig.3)

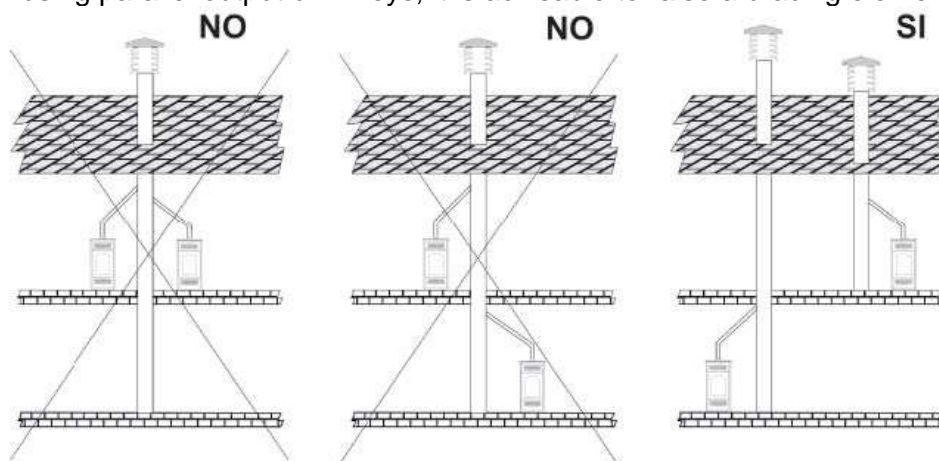


Fig 1

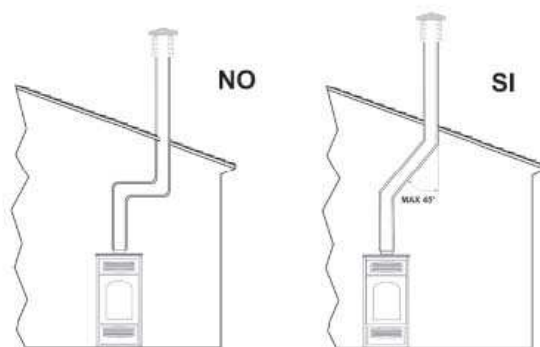


Fig.2

1.2 Chimney pot

The top of the chimney flue must be equipped with a device, called a chimney pot, which facilitates dispersion into the atmosphere of combustion products.

The chimney pot must meet the following requirements:

- Its internal section and shape must be equivalent to that of the chimney flue.
- Have a useful outlet section no less than double that of the chimney flue.
- Chimney pots that emerge from the roof or which remain in contact with the outside (for example in the case of an open loft), must be covered with brick elements and well isolated. It must be constructed so as to prevent penetration into the flue of rain, snow, or foreign bodies and so that, in the event of winds in any direction and at any angle, it assures the discharge of combustion products (windproof chimney pot).
- The chimney pot must be positioned so as to guarantee an adequate dispersion and dilution of combustion products and, in any case, outside the zone of reflux. This zone can be different sizes and shapes depending on the angle of slope of the roof, so it is necessary to adopt the minimum heights shown in Fig.4 and Fig.5.
- The chimney pot must be of windproof and exceed the height of the ridge, Fig.4 and Fig.5.
- Any buildings or other obstacles that exceed the height of the chimney pot must not be close to the chimney pot itself (Fig.4).

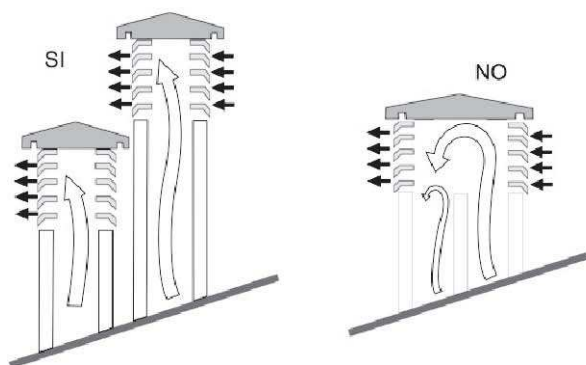


Fig.3

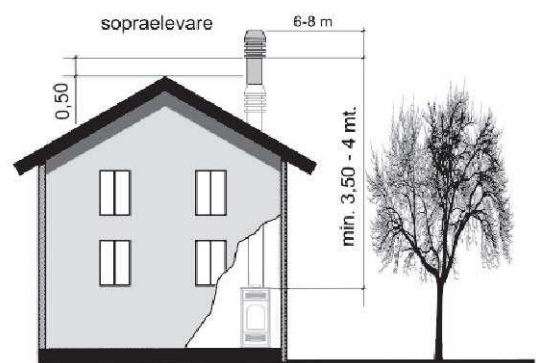


Fig.4

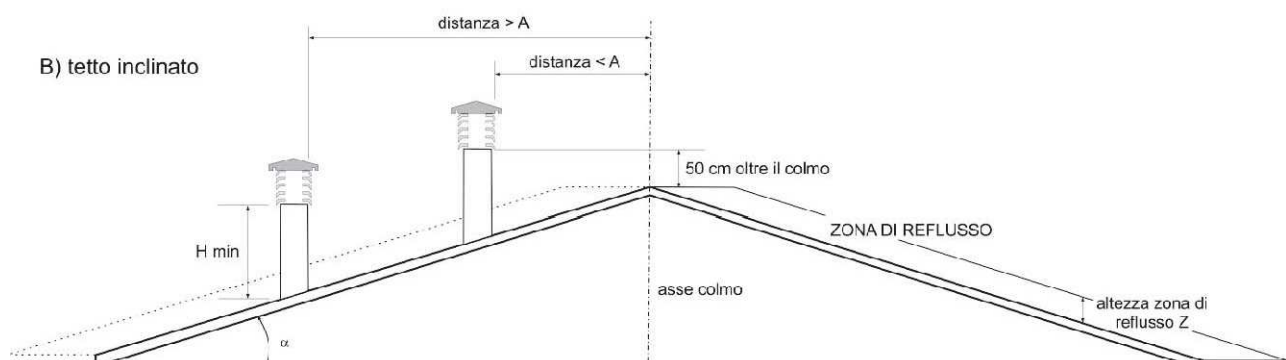
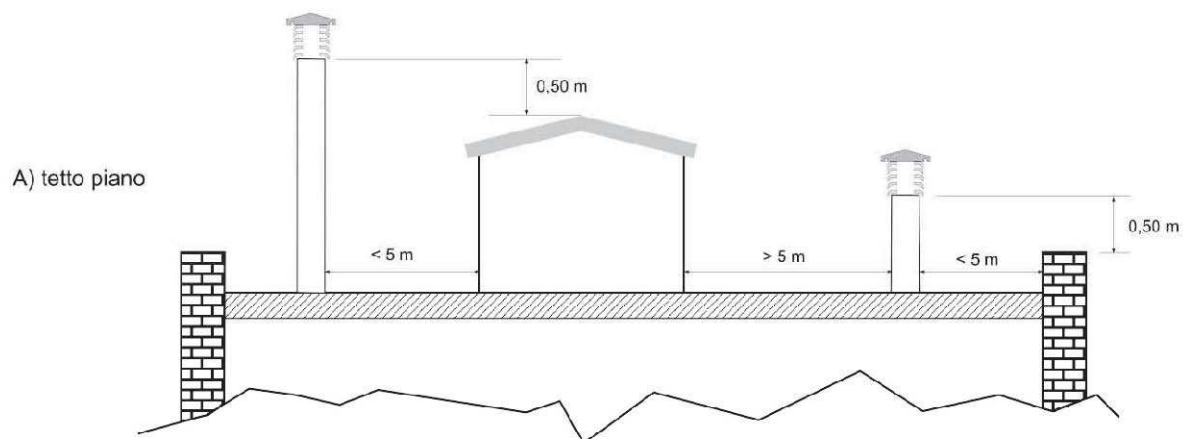


Fig. 5

Table 2

Roof pitch ? [°]	Horizontal width of the zone of reflux from the axis of the ridge A[m]	Minimum height of the outlet from the roof H _{min} = Z+0.50m	Height of the 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

1.3 External air intake vent

-The stove must have the air necessary to ensure smooth combustion operation and good environmental well-being.

-Make sure that the room where the stove is installed offers sufficient ventilation and install an air supply duct from the outside with the recommended minimum section of 100 cm².

-The air intake vent must communicate directly with the installation room of the stove, positioned so as to prevent it from being blocked and protected with a permanent non-lockable grid or other suitable protection provided that it does not reduce the minimum section.

-Air flow can also be obtained from a room adjacent to the installation room, provided that this flow can be carried out freely through permanent, non-closable openings communicating with the outside.

-With respect to the installation room, the adjacent room should not be put under vacuum with respect to the external environment as a result of a reverse draft caused by the presence in this space of another utility device or suction device. The room adjacent to the permanent openings must meet the requirements set out in the paragraphs above. The adjacent room cannot be used as a garage, for storage of combustible material or for activities involving a risk of fire.

1.4 Connection to the chimney flue

(see paragraph 4.5)

1.5 Preventing house fires

Installation and use of the stove must be in accordance with the manufacturer's instructions and with local habitability regulations.

CAUTION: when a fume exhaust pipe passes through a wall or ceiling, particular installation methods must be applied (protection, thermal insulation, distances from heat sensitive materials, etc.).

- The fireplace connecting tube must never pass through a combustible surface.

- Do not connect this unit to a chimney flue already being used by another device.

-It is also advisable to maintain all combustible elements or flammable material such as beams, wooden furniture, curtains, flammable liquids, etc. outside the radiation area of the furnace and at a distance of at least 1 m from the heating block. .

-In the event that the surrounding space has coverings in combustible or heat-sensitive material, a protective membrane made of non-combustible insulating material must be interposed. If the flooring is made of combustible material, a non-combustible protective material that protrudes laterally and frontally from 15cm to 30 cm must be provided at the mouth of the furnace.

- For further information, refer to local requirements.

2 SPECIFICATIONS AND TECHNICAL DATA

2.1 Specifications

Stoves and pellet stoves are devices built to work with good quality wood pellets only (see par. 3 fuel). Hydro models **must** be connected to the plumbing system.

2.2 *Technical data* (see attached sheet)

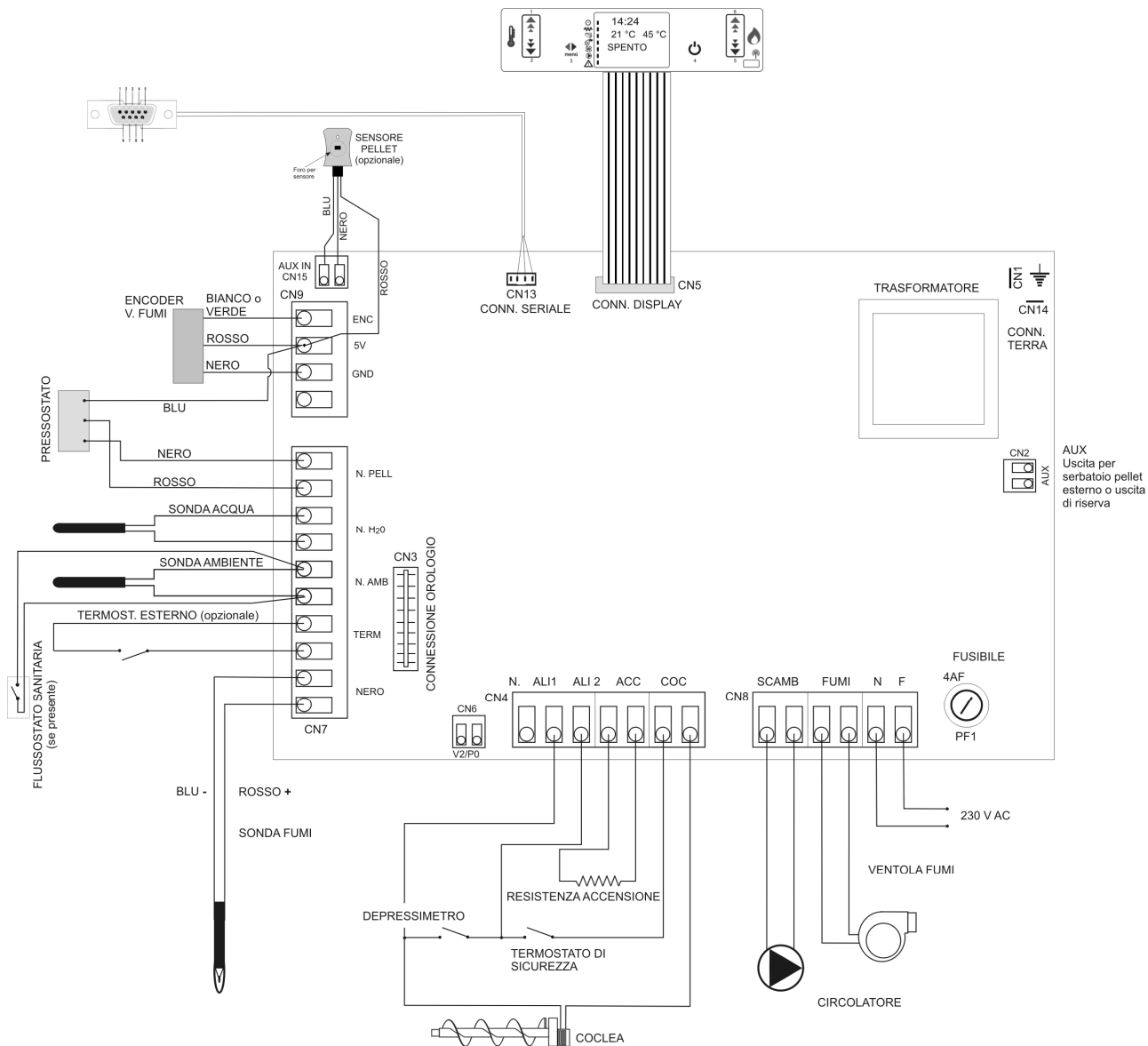
2.3 *Rear connection dimensions* (see attached sheet)

2.4 *Product identification data* (see attached sheet)

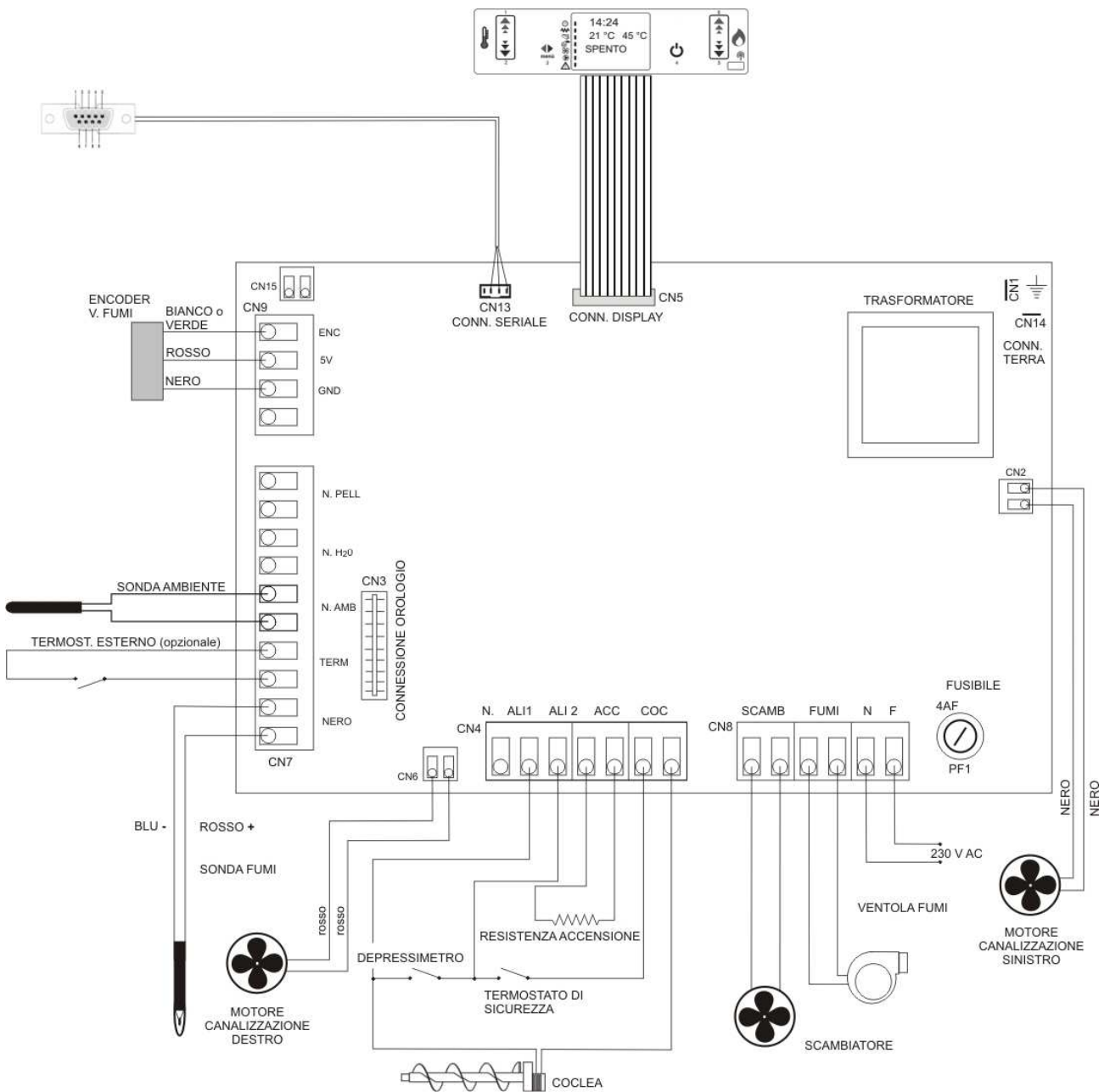
The technical label shows device data and performance. Tampering with, removing or lack of a technical label makes installation and maintenance operations difficult, due to the lack of product identification. In the event of damage, request a duplicate from our service centre. Given the importance of the data label, we recommend installing the stove at a distance at which it is always visible.

2.5 *Electrical diagrams*

2.5.1 Hydro stoves and boilers



2.5.2 Air /Channelled Air



3 FUEL

3.1 General notes

The pellet stove is designed to burn wood pellets only.

Wood pellets are a fuel obtained from the pressing of sawdust timber, extracted from the processing and transformation residues of dried wood material. The compactness of the product over time is guaranteed by a natural origin substance contained in the wood: lignin. The typical small cylinder form is obtained by extrusion.

Various types of pellets with quality and characteristics that vary depending on the processing and type of wood species used are available on the market.

CAUTION: Always use certified quality wood pellets: i.e. DIN, DIN PLUS, ÖM 7135, Pellet Gold, Catas etc. The company does not guarantee proper stove functioning with the use of low quality pellets.

Stoves and heating stoves are tested and programmed to ensure good performance and perfect quality operation with specific characteristic pellets:

components:	wood
length:	< 30 mm
diameter:	6-6.5 mm
lower calorific value:	4.8 kWh/kg
humidity rate:	< 8 %
residual ash:	< 0.5 %

GOOD QUALITY pellets are smooth, shiny, slightly dusty and with regular length.

LOW QUALITY pellets are of varied lengths, dusty with vertical and horizontal splits.

Since pellet characteristics and quality greatly influence the autonomy, efficiency and proper operation of the stove, we recommend:

AVOID using pellets with dimensions different from that described by the manufacturer.

AVOID using low quality pellets or pellets containing dispersed sawdust powder, resins or chemicals, additives or adhesives.

AVOID using moist pellets.

The use of unsuitable pellets causes:

- clogging of the brazier and fume discharge ducts
- increased consumption of fuel
- decreased efficiency
- no guarantee of normal stove operation
- dirtying of glass
- production of unburned granules and heavy ash

The presence of moisture in pellets increases the volume of the capsules and crumbles, causing

- feeding system malfunctions
- poor combustion

Pellets should be stored in a dry and sheltered place. Particular attention should be given to the handling of the bags to prevent their crushing, resulting in the formation of sawdust.

Stove operation parameters may have to be altered when using quality pellets with dimensional and calorific characteristics different from those indicated. Contact an authorised service centre if necessary.

THE USE OF POOR QUALITY PELLETS NOT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS NOT ONLY DAMAGE THE STOVE AND COMPROMISE PERFORMANCE BUT MAY RESULT IN FORFEITURE OF THE WARRANTY AND COMPANY LIABILITY.

4 INSTALLATION

4.1 General notes

Installation of stoves in bedrooms, bathrooms, or in places where there is another heating appliance that does not have its own appropriate air flow (chimney, stove, etc.), outside exposed to the weather or in wet areas is prohibited. Stove installation must be carried out in a location which allows safe and easy use and simple maintenance. Said location must also be equipped with electrical grounding as required by law.

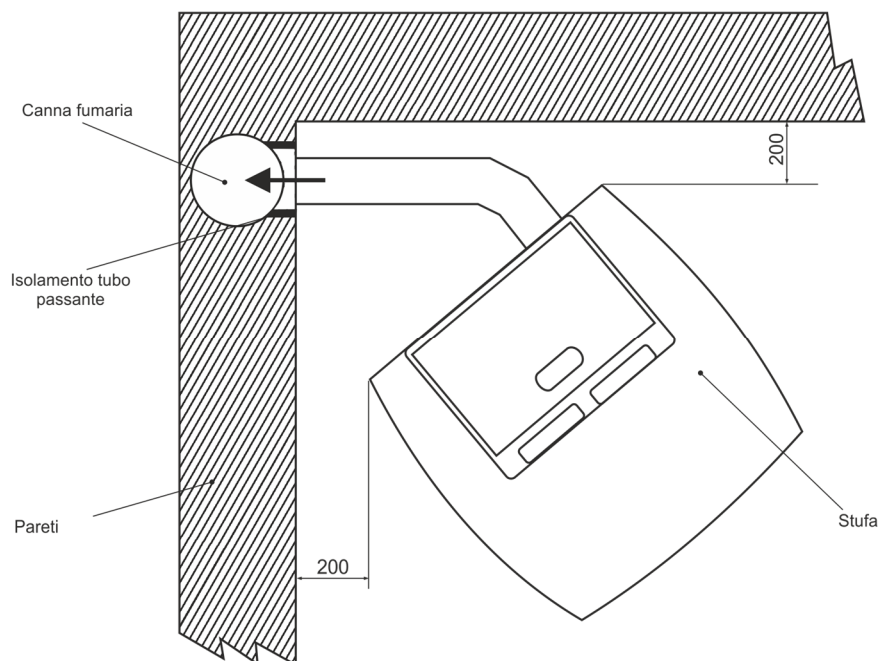
The external air intake vent must meet the requirements of paragraphs 1.3 and 4.4.

CAUTION: ensure that the plug for electrical connection remains accessible after stove installation.

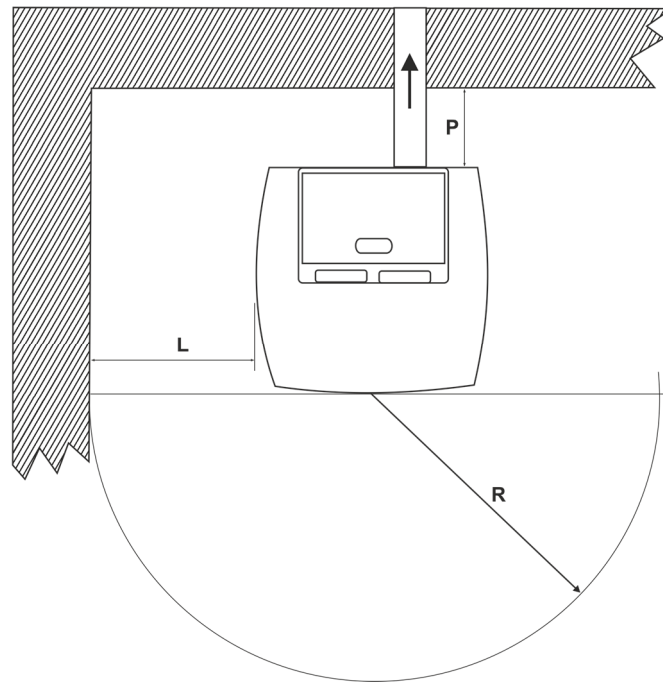
4.2 Minimum safety distances

The following figures show the minimum safety distances which must always be guaranteed.

4.2.1 Corner installation (mm)



4.2.2 Wall installation (mm)



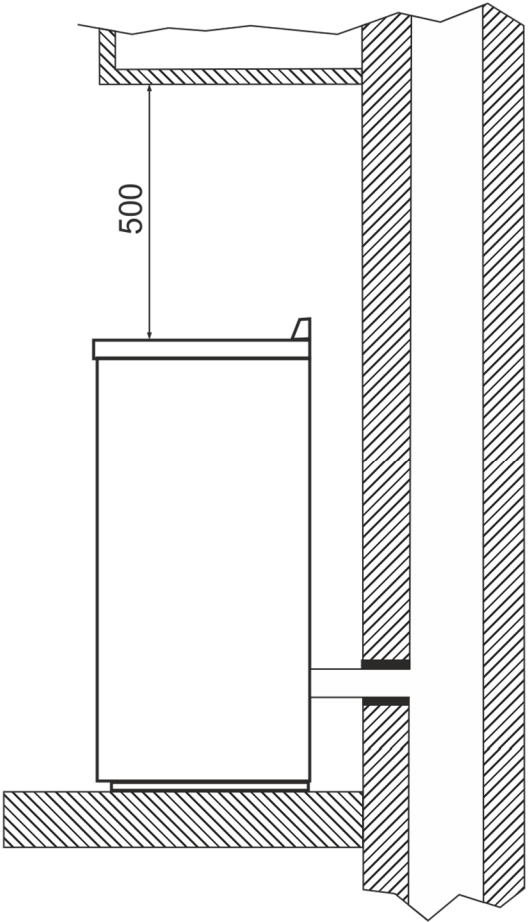
Safety distances from flammable material:

minimum distance in air from the flammable rear wall **P= 200 mm**

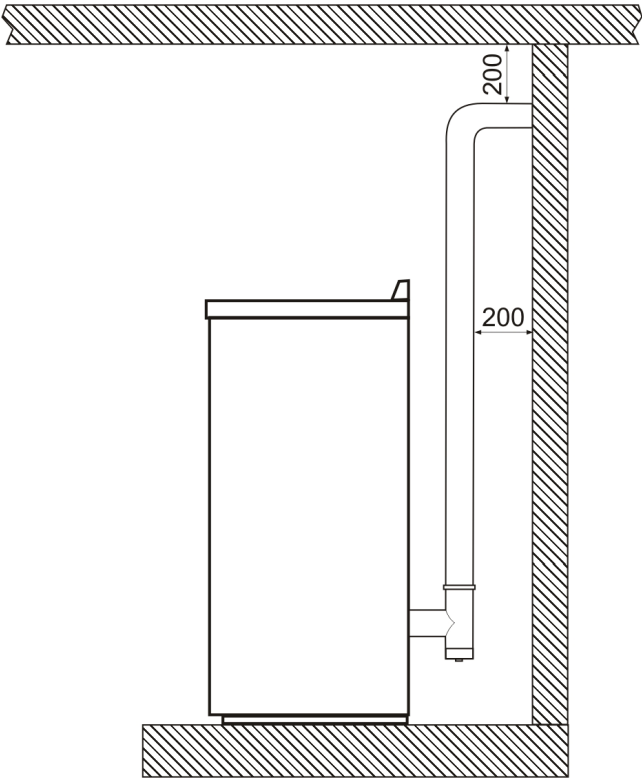
minimum distance in air from the flammable side wall **P= 200 mm**

frontal distance from flammable material **R = 1000 mm**

4.2.3 Distance from flammable ceilings and false ceilings (mm)



4.2.4 Distance of fume exhaust system from flammable walls (mm)



4.3 Flooring protection

In the event of valuable flooring or flooring that is sensitive to heat, moisture or is flammable, a floor protection must be used (i.e. sheet steel, marble or tile slabs).

Whichever type of protection selected, it must protrude at least 300 mm from the front, at least 150 mm from the sides of the stove, must withstand the weight of the stove and have a thickness of at least 2 mm (Fig. 6 and 7).

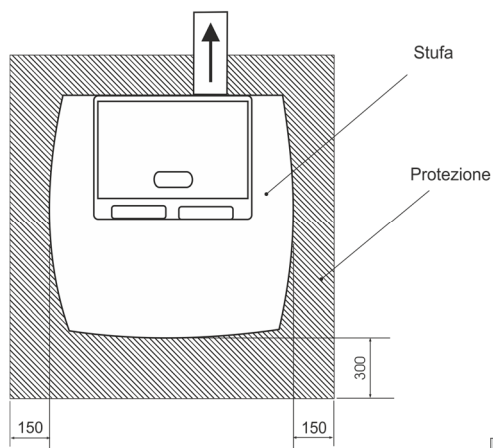


Fig. 6

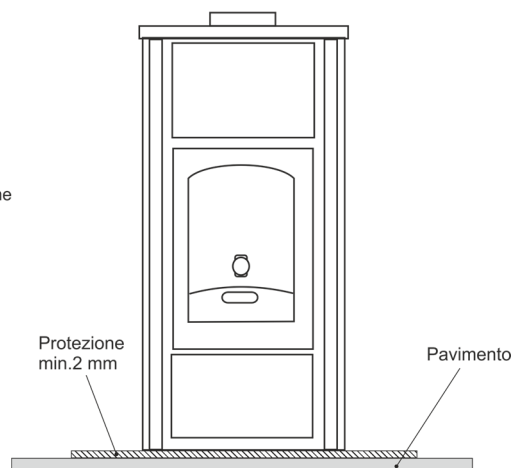


Fig. 7

4.4 Minimum distances for positioning air intake vents

Pellet stove combustion air intake vents cannot be connected to an air distribution system or directly to a wall-mounted air intake vent.

Correct and safe positioning of the air intake vent must comply with the measures and requirements described in paragraph 1.3.

There are distances to be respected in order to avoid that combustion air be removed by another source; for example, a window opening can suck the air outside, making it miss the stove.

The air intake vent must be located at least:		
1.5 m	under	Doors, windows, fume exhaust outlets, air gaps, etc. Fume output
1.5 m	Horizontally away	
0.3 m	Over	
1.5 m	Away from	

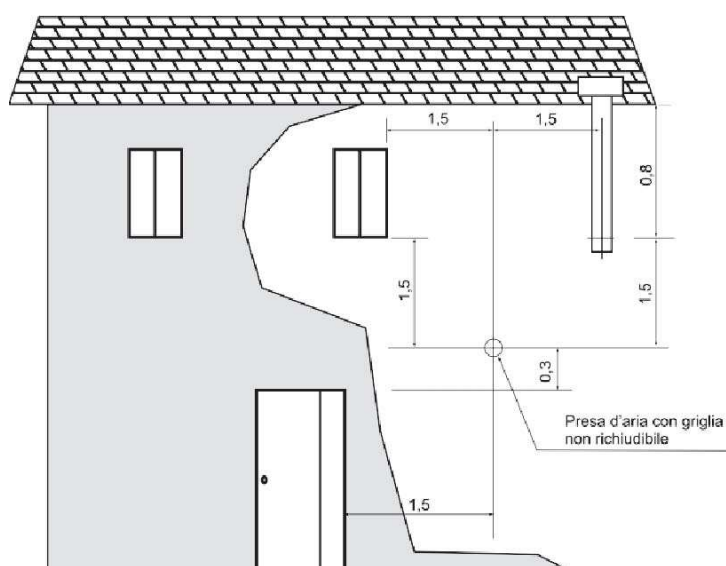


Fig. 8

4.5 Fume exhaust duct

4.5.1 General notes

CAUTION: the pellet stove is not like other stoves. Fume draft is forced thanks to a fan that maintains the pressure in the combustion chamber and slight pressure around the exhaust duct. Therefore, you must verify that the latter is completely watertight and properly installed, both from the point of view of function and safety.

Construction of the exhaust duct must be done by specialised personnel or companies, as reported in the following manual. Always create the exhaust system so that periodic cleaning is assured without having to dismantle any parts.

Tubes must **ALWAYS** be sealed with silicone (**no cementing**) that maintains resistance and elasticity characteristics at high temperature (250°C) and are to be secured with a Ø3.9mm self-tapping screw.

- The installation of dampers or valves which may obstruct the passage of exhaust fumes is **prohibited**.
- Installation in a chimney flue where exhausted fumes or vapours from other equipment (boilers, hoods, etc.) is **prohibited**.

4.5.2 Tubes and maximum usable lengths

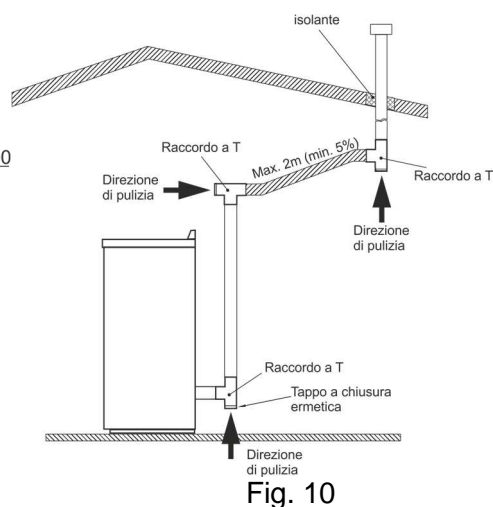
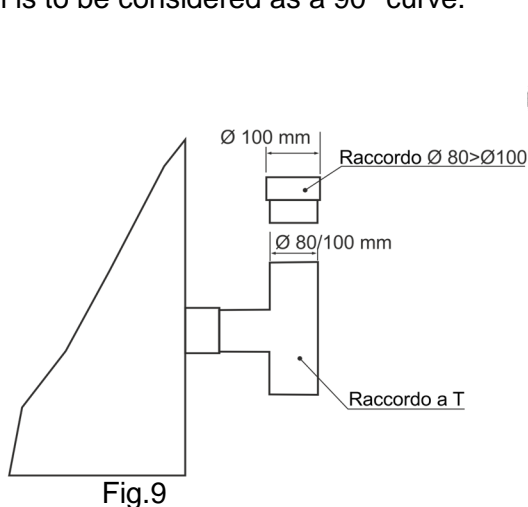
Painted aluminised steel tubes (minimum thickness 1.5 mm), stainless steel tubes (Aisi 316) or porcelain tubes (minimum thickness 0.5 mm) with a nominal diameter of **80 mm** or **100 mm** (for tubes inside the chimney flue max 150 mm) can be used.

Flexible hoses are permitted if they fall within the limits prescribed by law (in stainless steel with smooth inner wall). The male-female connection collars must be at least 50 mm long.

Tube diameter depends on the type of system. The stove has been designed for Ø 80 mm and Ø 100 mm tubes (check the technical data sheet of the selected model). As can be seen in the table below, a double-wall Ø 100 mm tube may be necessary in some cases and models.

TYPE OF SYSTEM	WITH Ø 80 mm TUBE	WITH DOUBLE-WALL Ø 100 mm TUBE
Minimum length	1.5 m	2m
Maximum length (with 3 90° curves)	4.5 m	8m
For installations situated over 1200 m above sea level	-	mandatory
Maximum number of curves	3	4
Horizontal sections with min. 5% incline	2m	2m

NOTE: load losses of a 90° curve can be equated with those of 1 metre of tube; the serviceable T-connection is to be considered as a 90° curve.



4.5.3 Holes for exhaust tube passage on walls or roof: recommended insulation and diameter

Once the location of the stove has been decided (section 4.1), you will have to drill the hole for passage of the fume exhaust tube. This varies depending on the type of installation (therefore on the exhaust tube diameter, see 4.5.2) and on the type of wall or roof to be crossed (table 3). The insulator must be of mineral origin (rock wool, ceramic fibre) with a nominal density greater than 80 kg/m³.

	Insulation thickness [mm]	Fume exhaust tube diameter [mm]	
		Ø80 Up to 24 kW	Ø 100 From 28 kW
		Diameter of holes to be created [mm]	
Wooden wall, or wall which is flammable or has flammable parts	100	280	300
Concrete wall or roof	50	180	200
Brick wall or roof	30	140	160

4.5.4 Using a traditional type chimney flue

If you wish to use an already existing chimney flue, it is advisable to have it checked by a professional chimney sweep to ensure that it is watertight. This is because fumes, being slightly pressurised, could infiltrate cracks in the chimney flue and invade living spaces. If an inspection finds that the chimney flue is not perfectly intact, it is advisable to intubate it with new material. If the existing chimney is large, we recommend inserting a tube with a maximum diameter of 150 mm. It is also advisable to insulate the fume exhaust duct. Figs. 11 and 12 demonstrate the solutions to adopt if you want to use an existing chimney flue.

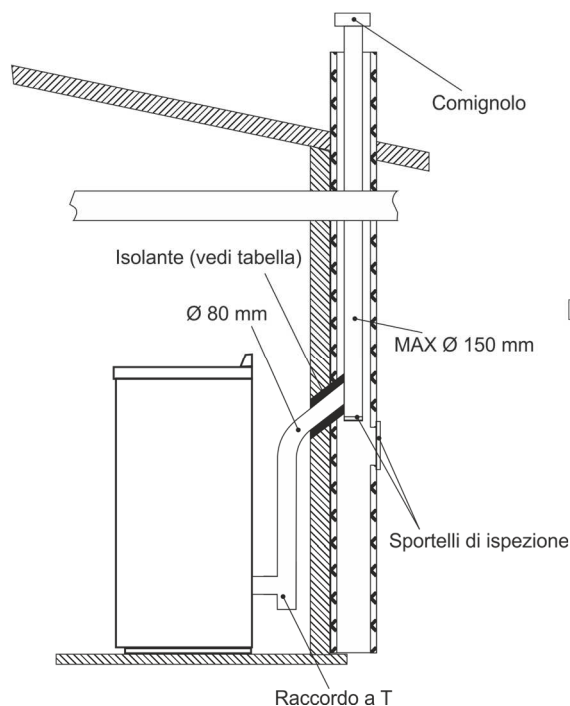


Fig. 11

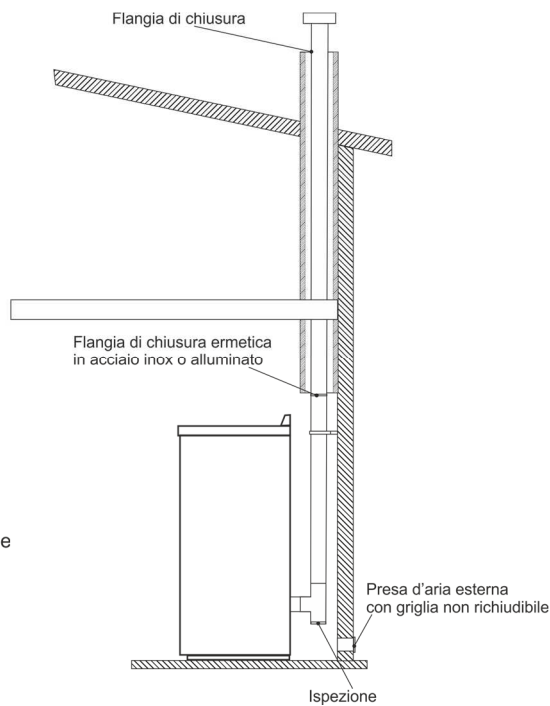


Fig. 12

4.6 Using an external fume duct

An external fume duct can be used only if it meets the following requirements:

- Only insulated tubes (double wall) in stainless steel, secured to the building (Fig.13) should be used.
- An inspection area should be created at the base of the duct for performing periodic checks and maintenance.
- It should be equipped with a windproof chimney pot and observe the distance "d" from the ridge of the building as described in par. 1.2.
- Fig. 13 shows the solution to be utilised when using external fume ducts.

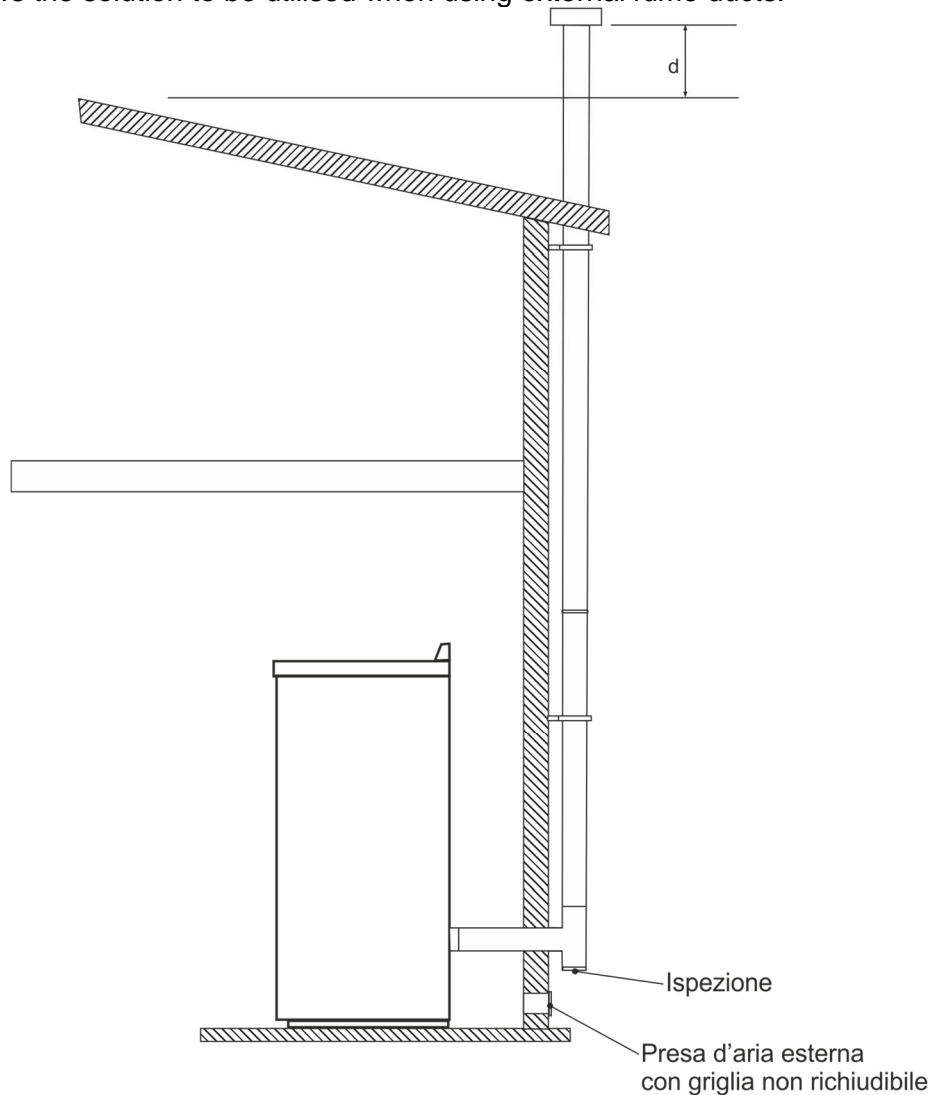


Fig. 13

5 ASSEMBLY

5.1 General notes

Here are some general recommendations to follow in order to prevent accidents or damage to the product:

- Unpacking and installation must be performed by at least two people.
- **All handling operations must be carried out using appropriate means and in full compliance with safety regulations.**
- The positioning of the packed product must be maintained in accordance with the guidelines supplied by pictograms and written on the packaging.
- If using ropes, straps, chains, etc., make sure they are suitable for the weight to be unloaded and are in good condition.
- When moving the package, move with slow and continuous movements to avoid tearing the ropes, chains, etc.
- Do not tilt excessively in order to avoid overturning.
- Do not stand within range of the loading/unloading means (forklifts, cranes, etc.).

5.2 Unpacking

Unpack the product being careful not to damage or scratch it. Remove the accessory package and any pieces of polystyrene or cardboard used to block removable parts, etc. from the stove furnace. Also remember not to leave packaging components (plastic bags, polystyrene, etc.) within the reach of children, as they could be potential sources of danger. Dispose of them according to regulations.

5.3 Electrical connection

The stove is supplied with a power cable that must be plugged into a 230V 50Hz outlet.

Outlet connection in the rear of the stove is illustrated in Figure 14.

Absorbed power is indicated in the "SPECIFICATIONS AND TECHNICAL DATA" chapter of this manual.

By law, the system must be properly grounded and with a differential circuit-breaker.

Make sure that the electrical power cable does not come into contact with hot parts when set in its final position.

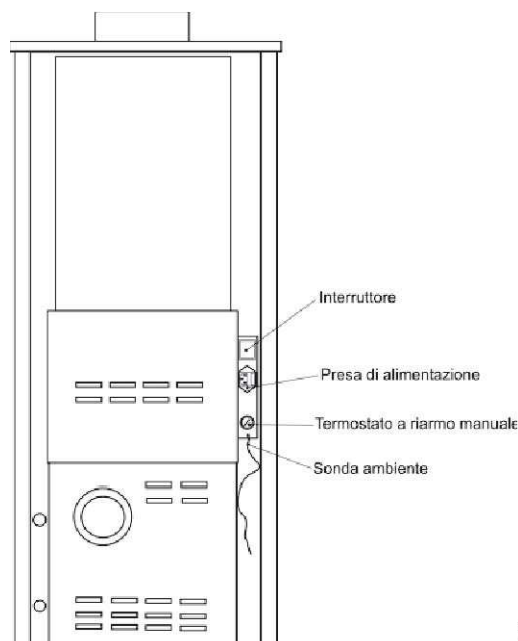


Fig. 14

CAUTION: ensure that the plug for electrical connection remains accessible after stove installation.

5.4 Water connection (only for hydro and boiler models)

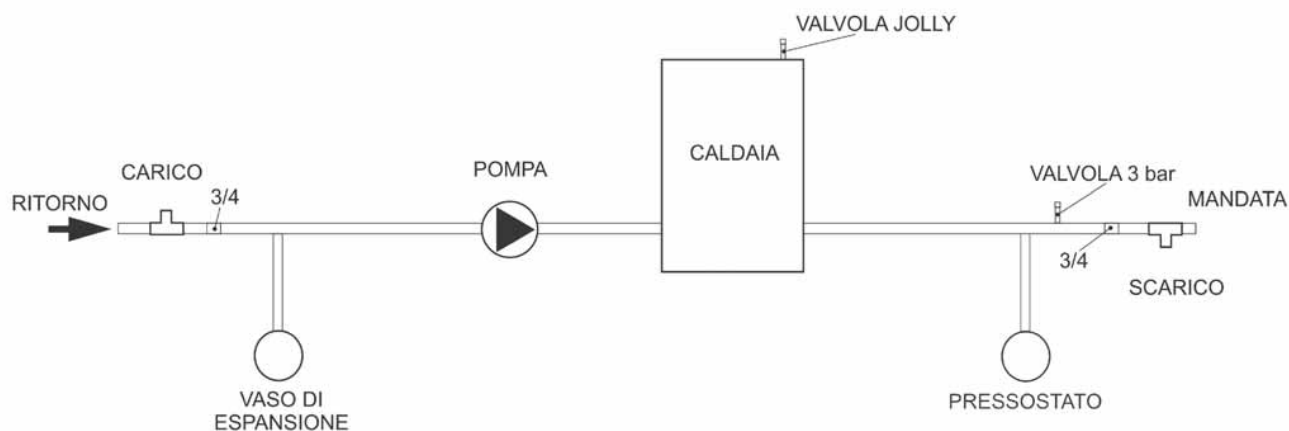
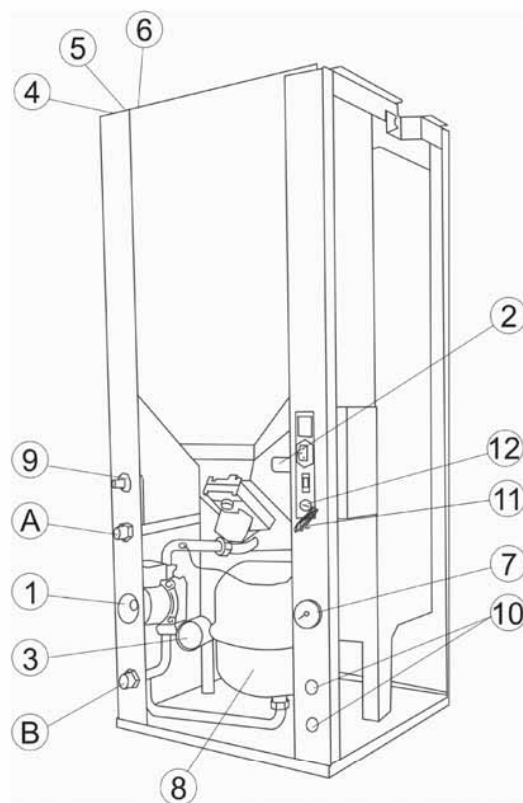
Caution: For connection of the delivery, the return, the recovery and discharges, prepare flexible hoses at least 70 cm long to facilitate movement of the heating stove for maintenance.

IMPORTANT: Remove rubber plugs from the connectors before connecting the delivery and return.

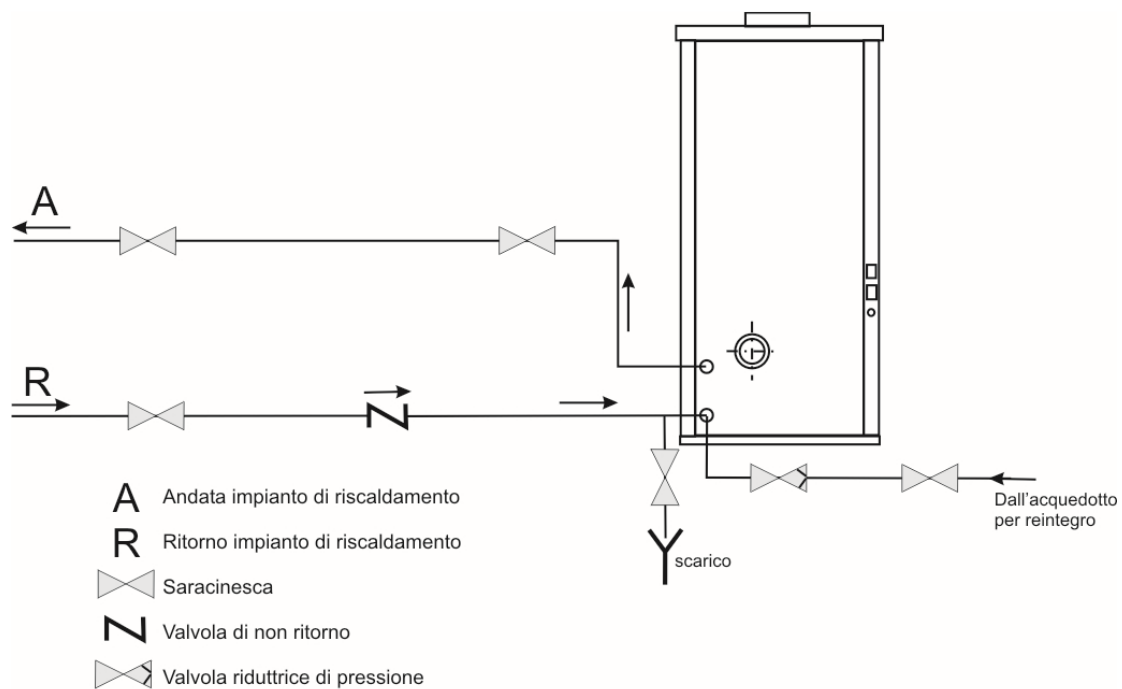
5.5 Heating stove hydraulic diagram (only for hydro and boiler models)

- 1 - Pompa circolatore
- 2 - Depressimetro
- 3 - Aspiratore fumi
- 4 - Valvola di sfiato automatica
- 5 - Sonda PTC caldaia
- 6 - Bulbo termostato riarmo 85°C
- 7 - Trasduttore di pressione acqua
- 8 - Vaso di espansione chiuso
- 9 - Valvola di sicurezza 3 bar
- 10 - Attacchi acqua sanitaria
- 11 - Sonda ambiente
- 12 - Termostato a riarmo manuale

A - Mandata impianto
B - Ritorno impianto



5.5.1 Indicative hydraulic diagram heating only (only for hydro and boiler models)



5.6 External thermostat installation

Stove operation can be adjusted to any external room thermostat connected to the circuit board (see electrical diagram). The thermostat connection is made using a 2x0.5 mm² cable. **This operation should be performed by qualified personnel.**

If you choose to use an external thermostat, set the room temperature value on the stove display to the minimum (7°C).

At this point, the stove will be controlled by an external thermostat.

During the work phase, the external thermostat is closed. The stove works at the set power level. A virtual LED will activate on the upper left of the display. If the thermostat opens, the stove goes to minimum power level and the display shows the message "modulating". This modulation stops only if the thermostat goes back to being closed. In this case, the stove will return to the power set by the user, the display will show the message "modulating" and an indication of the set power level will return.

5.7 Remote control

The remote control is supplied without a battery. Insert an A 23 12V battery, taking care not to invert polarity (polarity is indicated on the remote control data sheet)

6 USE

All local regulations, including those relating to national and European regulations, must be observed when installing the unit.

Improper installation or use of the device can result in forfeiture of the warranty.

Do not use the unit as an incinerator or in any other way other than that for which it was designed.

No other fuel besides wood pellets must be used.

Do not use liquid fuels.

The device, especially the external surfaces, gets very hot to the touch when in use. Handle with care to avoid burns.

Do not make any unauthorised modifications to the device.

Only use original replacement parts recommended by the manufacturer.

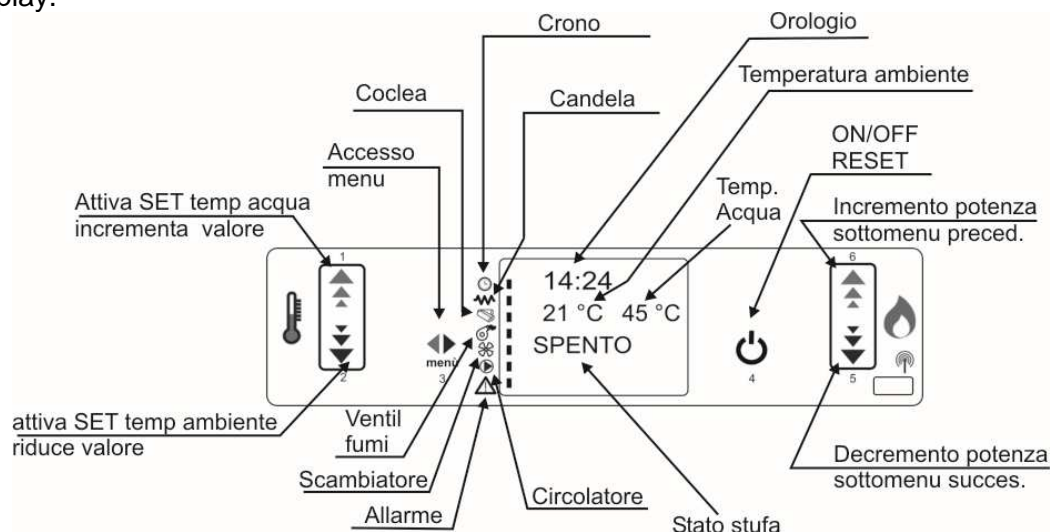
In general

- Make sure that the room where the stove is to be installed offers sufficient ventilation (see section "1.3 External air intake vent").
- Make sure that all exhaust system joints are hermetically sealed with silicone (no cementing), are resistant to heat (250 ° C) and are not damaged.
- Periodically check (or have someone check) the cleanliness of exhaust fumes.
- **CAUTION: keep all flammable products well away from the stove when it operating (MINIMUM: 100 cm from the front wall).**
- **CAUTION: to prevent the escape of fumes, the combustion chamber must be kept closed except during cleaning operations, to be carried out with the stove off.**
- **CAUTION: removing the safety guard inside the tank is strictly prohibited.**
- **CAUTION: in the event of pellet supply while the stove is on, make sure that pellets are not finished and that the flame remains present in the brazier. Also avoid the fuel sack from coming into contact with hot surfaces.**
- **CAUTION: remove any residue of unburned pellets caused by failed ignitions before you start the stove again.**
- **CAUTION: if during the ignition phase, the stove does not start and you notice a lot of smoke in the combustion chamber, immediately turn off the stove and replace pellets in use, as these may be too high in moisture. Forcing ignition could make your stove a hazard.**
- **CAUTION: if during cleaning, you find traces of spongy or hard (though not ash) pellets, replace the pellets being used as this residue may come from scraps of low quality sawdust not usable in this type of stove. Forcing ignition can cause a fire or strong production of fumes in the chimney.**
- **CAUTION: monitor proper combustion of the pellets in the brazier. If you should detect accumulations of unburned pellets, IMMEDIATELY TURN OFF the stove and contact the service centre.**
- **CAUTION: exercise extreme caution in the presence of children, to prevent them from standing in front of the stove.**

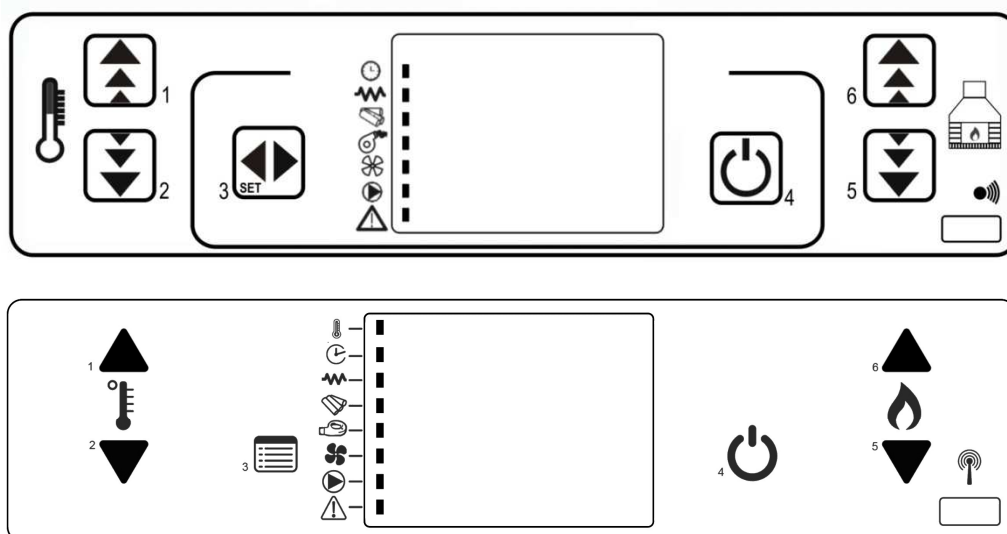
6.1 Console description

The console displays information about stove operating status. Access the menu to view various types of displays and adjust the settings available depending on the level of access.

Depending on the operating mode, the displays may have different meanings based on their position on the display.









Stoves, heating stoves and boilers may have mounted displays with graphics differing than that indicated above. Below you will find other displays which, however, leave the numbered position of commands unchanged. The following instructions use a standard graphics display.


















On the side you will see a description of the meaning of status indicators located on the left side of the display. The lighting on the display of one of the segments in the "status" area signals the activation of a corresponding device according to the list to the side.

		External thermostat
		Programmable thermostat
		Glow plug
		Feed screw
		Smoke extractor
		Exchanger
		Circulator
		Alarm

4 	BUTTON 4 ON/OFF	Functions: <ul style="list-style-type: none"> • manual on/off of the stove • exit from a sub-menu • exit from a shutdown or alarm (and passage to off status)
5 	BUTTON 5 POWER REDUCTION	Functions: <ul style="list-style-type: none"> • reduction in set power value • passage from a sub-menu to the previous one
6 	BUTTON 6 POWER INCREASE	Functions: <ul style="list-style-type: none"> • increase in set power value • passage from a sub-menu to the next one
3 	BUTTON 3 MENU SELECTION	Functions: <ul style="list-style-type: none"> • Passage to sub-menus • passage from programmable thermostat and clock programming • passage to technical parameters programming
1 	BUTTON 1 PARAMETER ADJUSTMENT (INCREASE)	Functions: <ul style="list-style-type: none"> • Passage to boiler water temperature (hydro) and room temperature (air) setting. • In temperature setting mode, increases the set value. • In technical parameter setting mode, increases the set value. • In work mode, activates water setting in the boiler.
2 	BUTTON 2 PARAMETER ADJUSTMENT (DECREASE)	Functions: <ul style="list-style-type: none"> • Passage to room temperature (air and hydro) setting mode. • In temperature setting mode, reduces the set value. • In technical parameter setting mode, reduces the set value. • In work mode, activates room temperature setting.

Below is a list of meanings of LEDs found on control panels:

none icon		Room thermostat LED	The LED is on when it is connected to an external room thermostat and it is closed.
		Chrono LED	The LED switches on when the programmable thermostat is activated; meaning, if user parameter 03-01-01 enables chrono, it is different from off.
		Glow plug LED	The LED switches on when the glow plug is powered.
		Feed screw on LED	The LED switches on in the time intervals in which the pellet feed screw is in operation.
		Smoke fan LED	The LED switches on when the smoke fan is on.
		Exchanger LED	The LED switches on when the fan is in operation (air version)
		Pump on LED	The LED switches on when the pump/circulator is in operation (only with Hydro and boiler models)
		Alarms LED	The LED switches on when there is an alarm activated on the stove.

6.2 First ignition

Before igniting the stove, you **MUST** have a qualified technician perform "FIRST START-UP" and calibration. For this purpose, we advise you to contact personnel part of our network of authorised service centres. The company assumes no responsibility for malfunctions due to improper installation, failure to install, incorrect first ignition, or improper use.

Make sure that electrical and plumbing connections have been performed properly. Also check that the hydraulic system (on heating stoves and boilers) has a sufficient expansion tank for maximum safety. Please note that expansion is calculated considering 6% of the whole volume contained in the system. Any damage to the system or to equipment will not be considered under warranty. The presence of the tank fitted on the unit does not guarantee adequate protection against sustained thermal expansion of the system water.

Fill up the system through a refill valve (to be provided externally to the stove). During recovery, it is advisable not to exceed a maximum pressure of 1 bar. Pressure can be read directly on the pressure gauge (item 7 par. 5.5).

The water loading phase should be simultaneous to air exhaust.

Before lighting the stove, also check that the brazier is pushed back towards the rear wall of the combustion chamber.

The first few times you light the stove, it may give off odours due to the evaporation of paint or grease. Simply ventilate the room to make the odour go away, avoiding prolonged exposure as vapours can be harmful to people or animals. Do not allow children to stay in the room during this first phase.

When the tank is loaded for the first time, the feed screw must fill up for a given period. During this time, pellets will not be distributed within the combustion chamber. To overcome this difficulty, use the command "initial load" in menu 7 of the control panel (see further details to follow).

6.3 Ignition and normal operation


Before igniting the stove:

- Check that the furnace door is locked.

- Make sure that the pellet tank is full or contains such enough so that the stove will function for the desired amount of time.
- Make sure that the brazier is clean, free of ashes, combustion residue or unburned pellets (if necessary, remove the brazier and thoroughly clean it, then replace it with care in its housing). In the event of start-up with the programmable thermostat, make sure that the brazier is in the indicated conditions after last use.

When the stove is connected to the electrical system but not in work mode, the display will show the message "OFF".

6.3.1 Stove start-up


To start up the stove, hold and press the start button (4) for 2 seconds 

If you start the stove during the final cleaning phase, the display may show the message "WAIT COOLING." In this case, wait for a minute before retrying ignition.

First phase. Preparation

The message "START" will appear on the display. In this phase, which lasts for about one minute, the pellet glow plug activates and combustion chamber forced ventilation starts along with activation of the fume extraction fan.

Second phase. Ignition

After the preparation phase, the display will show the message "LOAD PELLETS" and ignition will begin. This second phase is divided in two parts: pre-loading and actual ignition. First, the pellet feed screw is activated (the Feed screw ON LED  lights up) for a variable time interval, depending on the model, and pellets begin to fall inside the brazier. **(Remember that the brazier must be perfectly clean at this beginning of this stage).** Once this "pre-loading" phase is completed, the pellet feed screw will stop for a variable amount of time depending on the model (from two to three minutes). After this waiting phase, the pellet feed screw will start to switch on at regular intervals and pellets will then continue falling inside the stove brazier, while the glow plug and then fume exhaust fan will both remain activated.

As soon as the pellets cover the glow plug hole, you will notice first a reddening and then the onset of a small flame in the brazier.

If pellets continue to fill the brazier without this happening, manually stop the ignition process without waiting for the stove to set off an alarm: "AL 5 NO START".

This second phase is completed when the stove detects successful triggering of the combustion process, or rather after 4-5 minutes from the triggering of the first flame.

If combustion is not detected within a given amount of time, the no start-up alarm will be activated ("AL 5 NO START" message).

Third phase. Stabilisation

Once combustion triggering has been detected, the third phase will start and the display will show the message "FIRE PRESENT". Pellet feeding is reduced and ventilation increased in order to allow a stabilisation of the flame and disposal of excess pellets accumulated in the brazier during the ignition phase. This phase lasts about 5 minutes.

Once the stabilisation phase has been completed ("FIRE PRESENT"), the stove passes to the normal working phase.

6.3.2 No start-up

As said, if the onset of combustion is not detected, the no start-up alarm will be set off. The display will show the message "AL 5 NO START" and an acoustic signal will be heard at regular intervals (if the buzzer function is active in Menu 6).

To disable the alarm, hold and press the ON-OFF (4) (about 2 secondi) . The acoustic alarm will stop and the stove will return to "FINAL CLEANING" status and then to "OFF."

Before starting another ignition cycle:

- Verify the cause of the alarm.

In particular:

- Verify that the pellet tank is not empty.
- Verify that the brazier is in the right position.
- Remove the unburned pellets from the brazier **(VERY IMPORTANT)**.

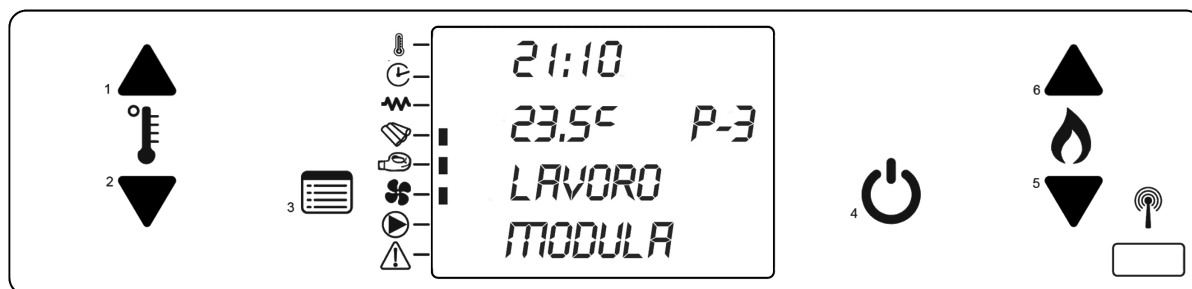
If the device does not ignite regularly, the main cause may be insufficient maintenance or poor pellet quality.

6.3.3 Normal Operation

As soon as the ignition phase is over, the stove will go into normal working mode. During this phase, the display will show the following information:

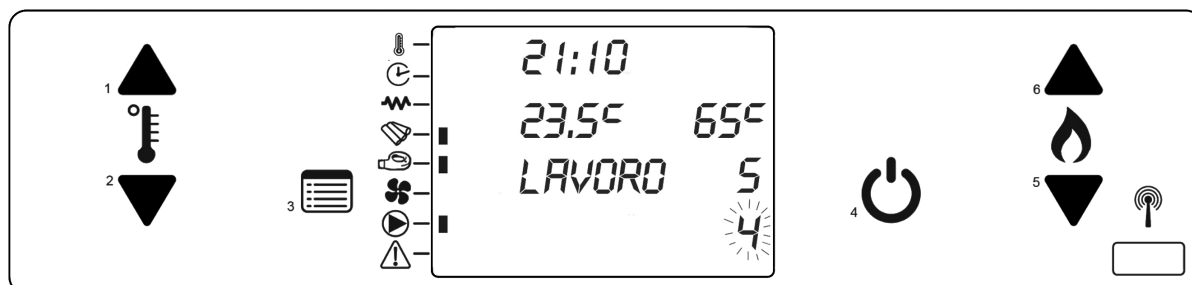
air stoves:

- The first line shows the time.
- The second line to the left shows the room temperature while the line on the right shows set power (from P1 to P5).
- The third line shows the message "WORKING".
- The fourth line shows the message "MODULATE" when room temperature reaches the set temperature (see corresponding paragraph).



hydro stoves and boilers:

- The first line shows the time.
- The second line to the left shows the room temperature while the line on the right shows water temperature in the boiler.
- The third line shows the message "WORKING" with the set power (from 1 to 5) to the side.
- The fourth line usually shows the instantaneous working power (flashing from 1 to 5). The message "MODULATE" also is shown when room temperature or water temperature reaches the set temperature (see corresponding paragraph).



During normal working mode, the following operations can be performed:

air stoves:

- Stove power setting, choosing from one of the five available levels. Power setting is carried out via BUTTONS "5" and "6".
- Programmable thermostat parameter setting (see later section).
- Desired room temperature setting, choosing an interval from 7°C to 40°C. Set the temperature with button "1" to increase and "2" to decrease.

hydro stoves and boilers:

- Stove power setting, choosing from one of the five available levels. Power setting is carried out via BUTTONS "6" to increase and "5" to decrease.
- Programmable thermostat parameter setting (see later section).
- Desired room temperature setting, choosing an interval from 7°C to 40°C. Press "2" once and then set the temperature with button "1" to increase and "2" to decrease.
- Desired boiler temperature setting, choosing an interval from 30°C to 80°C. Press "1" once and then set the temperature with button "1" to increase and "2" to decrease.

- View water circuit pressure. Press and hold button 5.

Periodic brazier cleaning is also active during working mode. Brazier cleaning mode is activated at regular intervals of about one hour. In this way, the smoke extractor works at maximum power while pellet feeding is reduced to minimum. This operation is necessary for eliminating ash deposits inside the brazier and for ensuring proper aeration and combustion. During brazier cleaning, the display will show the message "BRAZIER CLEANING". **If you notice excessive accumulation of pellets in the brazier during normal operation, turn off the stove immediately and contact a service centre. Forcing could make your stove a hazard.**

6.3.4 Modulation based on room temperature (all models)

The stove is equipped with an internal temperature sensor that allows it to modulate its power according to the desired room temperature.

For correct environment sensor operation, verify that the thermostat sensor positioned in the rear of the stove under the outlet (see Figure 14) is away from the fume exhaust pipe and is not in contact with objects or walls.

Press button "2" to set room temperature. The message " SET ROOM TEMP" will appear on the bottom of the display, while the upper part will show the set temperature.

To modify this value, use buttons "1" and "2" until you reach desired temperature (7°C to 40°C).

If the room temperature reaches the set temperature, the stove goes into minimum power and the last line of the display shows "MODULATE." This modulation has been completed only if the room temperature returns to being lower than the set temperature. In this case, the stove will return to the power set by the user and the display will show the message "MODULATE" and standard working indications will return.

6.3.5 Modulation based on boiler water temperature (Hydro stoves and boilers only)

The stove is equipped with boiler water temperature sensor that allows it to modulate its power according to the desired temperature.

To set water temperature, press button "1". Press button "1" once and the bottom of the display will show the message " SET WATER TEMP", while the upper part of the display will show the set water temperature. To modify this value, use buttons "1" and "2" until you reach desired temperature (30°C to 80°C). **We recommend setting water temperature in the boiler between 60° C and 70° C.**

Briefly press button "4" to exit from programming or wait a few seconds to automatically return to the work or stand-by position.

During the working phase, if the water temperature in the boiler is much lower than the set value, the stove operates at the maximum power level set.

However, when the boiler water temperature approaches the set value (difference of less than 3° C), the stove heater gradually decrements the power level. The last line of the display shows a flashing number that indicates the power level at which the stove is working at that moment. A decrease in water temperature will correspond to an increase of the power level until it returns to the maximum power value set initially. **We recommend always setting Hydro stove power to its maximum value "5".**

If, despite reducing power, boiler water temperature continues to rise and reaches the set temperature, the bottom line of the display will show "MODULATE." If, despite modulation, the water temperature tends to rise further (for example when zone valves are closed), it may be best to activate stand-by mode (see section 7.5).

6.3.6 Ventilation (air and channelled air models)

Air models provide ventilation which diffuses the heat generated from by the stove into the surrounding environment. Activation of the ventilation occurs based on the temperature of fumes. Therefore, it starts up after ignition and switches off with a delay compared to stove shutdown.

Ventilation speed is proportional to operating power and cannot be modified independently with respect to stove power.

In channelled air models, the stove has two rear hot air outputs, one on the right and the other on the left, under the pellet tank. Each of the two outputs has an independent control menu (see chapter 7 menu).

6.3.7 Circulator (hydro and boiler models)

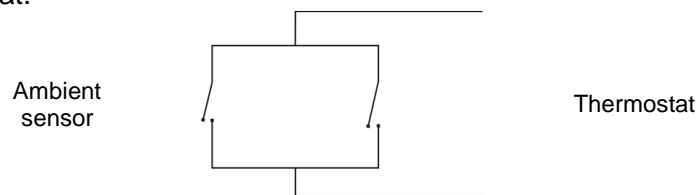
Hydro models have a circulator and an expansion tank for direct connection of the system stove to radiators. The circulator starts as soon as water reaches a temperature of 55° C (value that must not be lowered to prevent formation of condensation in the stove) and works according to water temperature, even with the stove off. A bleed screw is available on the back of the stove to remove any air in the circulator itself.

6.3.8 External thermostat

Stove operation can be adjusted to any external room thermostat connected to the circuit board (see electrical diagram). The thermostat connection is made using a 2x0.5 mm² cable. **This operation should be performed by qualified personnel.**

The external thermostat works in parallel to the internal thermostat of the stove. To work the external thermostat exclusively, set room temperature to minimum (7° C). At this point, stove modulation will be controlled by the external thermostat.

During the working phase, if the room temperature is lower than the set temperature and the external thermostat is active (closed contact), the stove will operate at the set power level. When the room temperature reaches the set temperature, (external thermostat contact open), the stove will go to minimum power and the display will show the message "MODULATE". This modulation has been completed only if the room temperature returns to being lower than the set temperature in the external thermostat.




6.3.9 Brazier cleaning

During normal operation in work mode, "BRAZIER CLEANING" is activated at set intervals for a duration of about 45 seconds. During this time, the display will show the message "BRAZIER CLEANING", stove ventilation increases and the flame lowers in the brazier. This operation is necessary to decrease the likelihood of ash accumulation of ash inside the brazier.

If you notice an excessive accumulation of pellets in the brazier (over half the level of the brazier itself), immediately switch off the stove and clean the brazier. Promptly contact a service centre.

6.3.10 Shutdown

To turn off the stove, hold button 4 for a few seconds .

Once the shutdown signal has been received, the display will show a "FINAL CLEANING" message and the fume exhaust fan will continue to run at full speed for a minimum time of about 10 minutes to ensure complete cooling of the stove. The hot air fan will also continue to run until the stove cools down.

CAUTION: Never disconnect the power supply at this stage, as this may create problems for the stove and compromise the subsequent phases of ignition.

6.3.11 Interruption of power supply

In the event of a brief interruption in the power supply (under 10 seconds), the stove will automatically re-start without any alarms.

If power is lost for a longer time and the stove was in work mode, a "AL 1 - BLACK OUT" alarm will be generated. The stove will therefore not start back up automatically, but first the alarm will need to be manually removed.

6.3.12 Remote control.

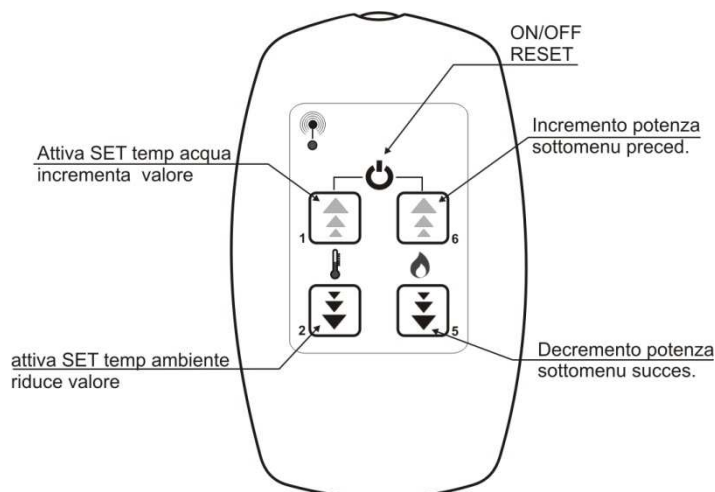
The stove control panel has been designed to receive certain functions via remote control.

- **On/Off function:** simultaneously press the two buttons marked "1" and "6" to switch the stove on or off.

- **Power adjustment:** during normal operating mode, press buttons "5" and "6," marked by the flame, to set one of the stove power levels.

- **Temperature adjustment:** during normal operation, press the "2" button and then press "1" and "2," marked by the thermometer, to set the desired temperature (10°-30°C).

- **Water temperature adjustment:** during normal operation, press the "1" button and then press "1" and "2," marked by the thermometer, to set the desired temperature (30°-80°C).



7 MENU

Press button "3" (MENU) to access the menu.

The menu is divided into different items and levels that allow you to access board settings and programming. Menu items that allow you to access technical programming are protected by an access key.

User menu

The following table briefly describes the structure of the menu, focusing only on selections available to the user in this section.

To operate from the menu, follow the guidelines below:

Use button "3" to enter into the selected menu or sub-menu (you go down a level).

Use button "4" to do the reverse and exit the menu or sub-menu in which you are located (you go up a level).

Use buttons "1" and "2" to modify a parameter value (temperature, time, etc.).

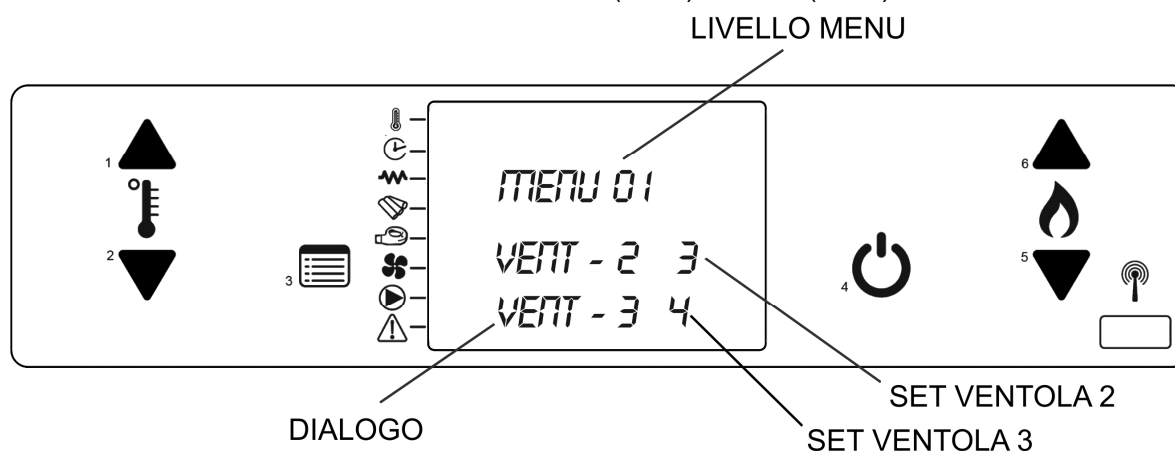
Use buttons "5" and "6" to move horizontally between different menus or sub-menus or parameters.

7.1 Menu 01 "WATER PRESSURE"

This item is only available on hydro and boiler models (firmware update Dec/2010) and allows you to bypass pressure control when the heating stove or boiler is connected to an open vessel. Use buttons "1" and "2" to select "on/off".

Menu 01 "FANS ADJUSTMENT"

Menu item 01 "FANS ADJUSTMENT" is present only on channelled air models and allows you to modify the ventilation of the two channelled outputs. The choices shown in the table below are possible for each of the two fans. Press button "1" (fan 2) and "2" (fan 3) to select.



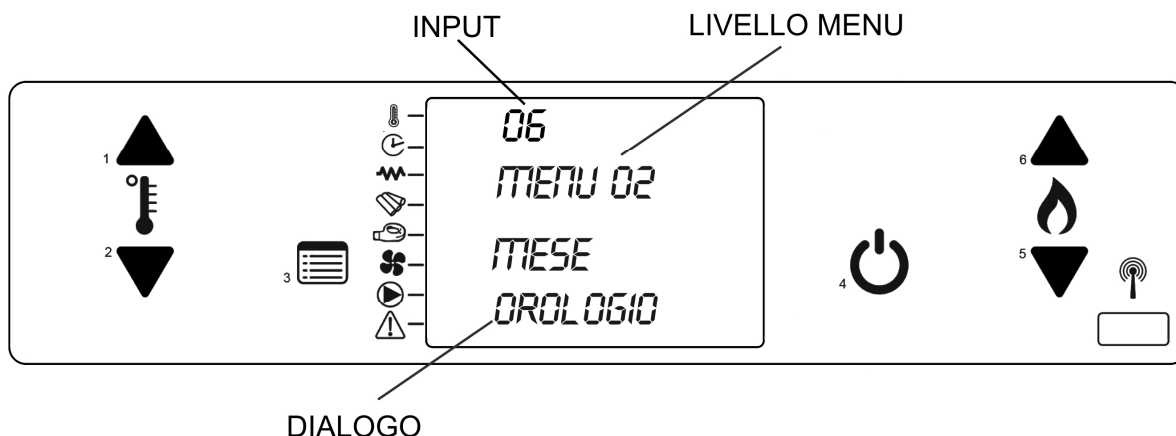
setting	fan 2	fan 3
AUTO	corresponding to the selected power	corresponding to selected power
0	fan off	fan off
1	speed 1	speed 1
2	speed 2	speed 2
3	speed 3	speed 3
4	speed 4	speed 4
5	speed 5	speed 5

7.2 Menu 02 "CLOCK SET"

You can set the current time and date in this menu. The board is equipped with a lithium battery that allows internal clock autonomy over 3/5 years.

Enter into MENU and set, in order:

01	day of the week	(Monday... Sunday)
02	hour	(0..23)
03	minutes	(0..59)
04	day of the month	(1..31)
05	month of the year	(1..12)
06	current year	(2000.. 2099)



7.3 Menu 03 "CHRONO SET"

Use this menu to enable and programme start-ups and shutdowns.

There are eight different possibilities divided into three groups:

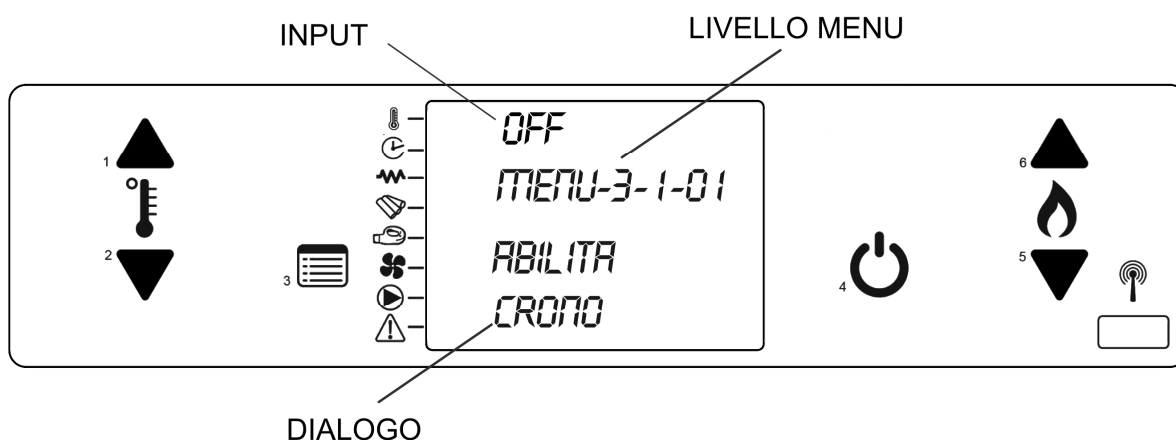
Daily programme: 2 start-ups and shutdowns valid each day

Weekly programme: 4 start-ups and shutdowns, for which you can decide which days of the week they must be active.

Weekend programme: 2 start-ups and shutdowns valid only for Saturday and Sunday.

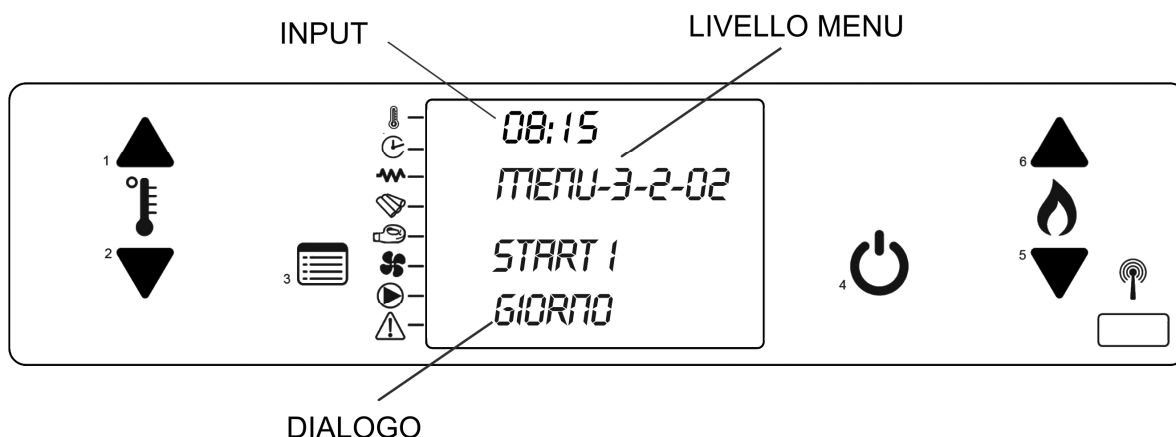
7.3.1 Menu 3-1 "ENABLE CHRONO"

Allows you to enable and disable all programmable thermostat functions. If the value is "off", all set programmes are disabled.



7.3.2 Menu 3-2 “DAILY PROGRAMME”

Allows you to enable, disable and set all programmable thermostat functions.



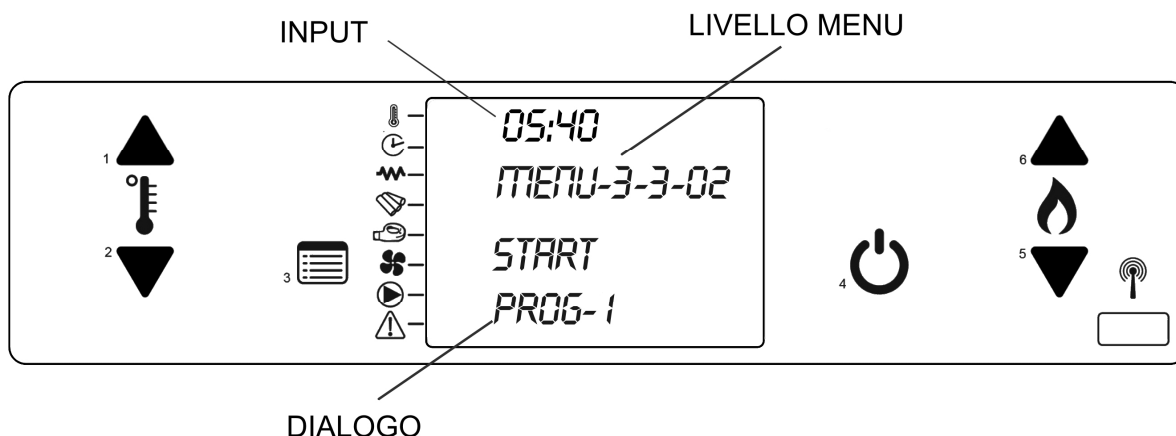
After having set the first parameter (M-3-2-01) “DAILY CHRONO” to "on", you can set two start-ups and two shutdowns. For each parameter, you can either set the value "off", if you do not wish to activate, or the time of start-up or shutdown.

<i>menu level</i>	<i>selection</i>	<i>meaning</i>	<i>Possible values</i>
03-02-02	START 1	activation time	00:00-23:50 -OFF
03-02-03	STOP 1	disable time	00:00-23:50 -OFF
03-02-04	START 2	activation time	00:00-23:50 -OFF
03-02-05	STOP 2	disable time	00:00-23:50 -OFF

7.3.3 Menu 3-3 “WEEKLY PROG-“

The weekly programming group includes 4 start-ups and 4 shutdowns. For each on-off pair, you can decide which day of the week to activate the corresponding pair controls.

The first parameter, M-3-3-01 “WEEKLY CHRONO”, you can enable or disable all weekly programmable thermostat settings.



After having set the first parameter (M-3-2-01) “WEEKLY CHRONO” to "on", you can set 4 start-ups and 4 shutdowns. For each parameter, you can either set the value "off", if you do not wish to activate, or the time of start-up or shutdown. After each pair of on and off times, there are 7 parameters corresponding to the 7 days of the week. Each of these parameters can be set to "on" or "off" based on which programming you wish to activate corresponding to that day of the week. (See following tables).

PROGRAMME 1			
<i>menu level</i>	<i>selection</i>	<i>meaning</i>	<i>possible values</i>
03-03-02	START PROG 1	on time	00:00-23:50 -OFF
03-03-03	STOP PROG 1	off time	00:00-23:50 -OFF
03-03-04	MONDAY PROG 1	reference day	on/off
03-03-05	TUESDAY PROG 1		on/off
03-03-06	WEDNES-PROG 1		on/off
03-03-07	THURSDAY PROG 1		on/off
03-03-08	FRIDAY PROG 1		on/off
03-03-09	SATURDAY PROG 1		on/off
03-03-10	SUNDAY PROG 1		on/off

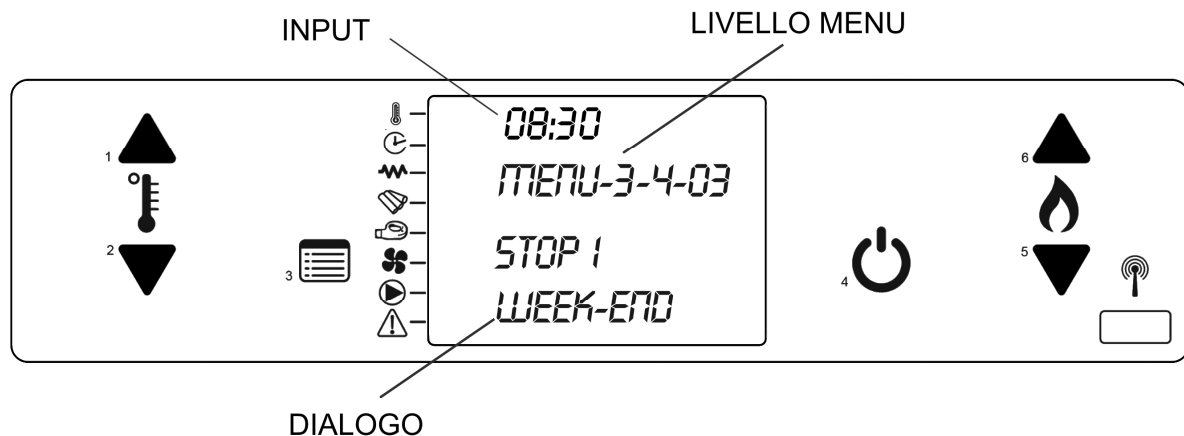
PROGRAMME 2			
<i>menu level</i>	<i>selection</i>	<i>meaning</i>	<i>possible values</i>
03-03-11	START PROG 2	On time	00:00-23:50 - OFF
03-03-12	STOP PROG 2	Off time	00:00-23:50 - OFF
03-03-13	MONDAY PROG 2	reference day	on/off
03-03-14	TUESDAY PROG 2		on/off
03-03-15	WEDNES-PROG 2		on/off
03-03-16	THURSDAY PROG 2		on/off
03-03-17	FRIDAY PROG 2		on/off
03-03-18	SATURDAY PROG 2		on/off
03-03-19	SUNDAY PROG 2		on/off

PROGRAMME 3			
<i>menu level</i>	<i>selection</i>	<i>meaning</i>	<i>possible values</i>
03-03-20	START PROG 3	on time	00:00-23:50 -OFF
03-03-21	STOP PROG 3	off time	00:00-23:50 -OFF
03-03-22	MONDAY PROG 3	reference day	on/off
03-03-23	TUESDAY PROG 3		on/off
03-03-24	WEDNES- PROG 3		on/off
03-03-25	THURSDAY PROG 3		on/off
03-03-26	FRIDAY PROG 3		on/off
03-03-27	SATURDAY PROG 3		on/off
03-03-28	SUNDAY PROG 3		on/off

PROGRAMME 4			
<i>menu level</i>	<i>selection</i>	<i>meaning</i>	<i>possible values</i>
03-03-29	START PROG 4	on time	00:00-23:50 -OFF
03-03-30	STOP PROG 4	off time	00:00-23:50 -OFF
03-03-31	MONDAY PROG 4	reference day	on/off
03-03-32	TUESDAY PROG 4		on/off
03-03-33	WEDNES- PROG 4		on/off
03-03-34	THURSDAY PROG 4		on/off
03-03-35	FRIDAY PROG 4		on/off
03-03-36	SATURDAY PROG 4		on/off
03-03-37	SUNDAY PROG 4		on/off

7.3.4 Menu 3-4 “WEEKEND PROG-“

Allows you to enable, disable and set programmable thermostat functions for the weekend (Saturday and Sunday). As per daily programmes, we have an enabling parameter and 2 pairs of start-up and shutdown times. Programming will be active as stated only on Saturday and Sunday.



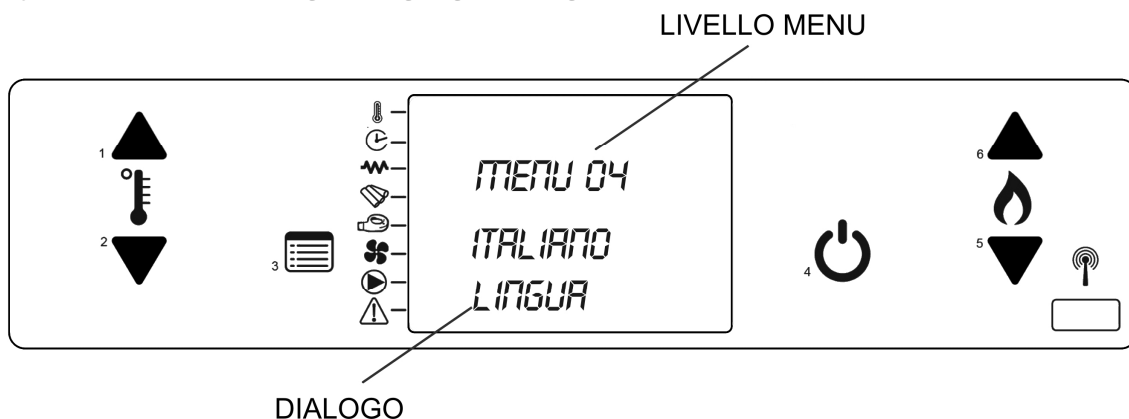
TIP: to avoid confusion and unwanted start-up and shutdown, activate only one programme at a time if you do not know exactly what your desired programming is.

Disable the daily programme if you want to use weekly programming. Always disable the weekend programme if you are using weekly programmes 1,2,3 and 4.

Activate the weekend programme only after having disabled weekly programming.

7.4 Menu 04 "CHOOSE LANGUAGE"

Allows you to select the dialogue language among those available.



7.5 Menu 05 "STAND-BY MODE"

This menu allows you to activate or deactivate "STAND-BY".

Stand-by mode indicates a condition in which the stove shuts off but where it automatically re-ignites as soon as the room temperature and the water temperature fall below the set value and the flue gas temperature drops below its threshold (stove is cold). Default setting is "OFF".

Once the stand-by Menu is set to a value between 1'-120', if the water temperature or room temperature exceed a certain amount, set values (2°C for room temperature and 4° for water temperature), an alternating message "MODULATE / OK STD BY" appears on the screen. At this point, after a pre-set time (default 10 minutes), if temperatures do not return under the set values, the stove shuts off and goes into stand-by mode.

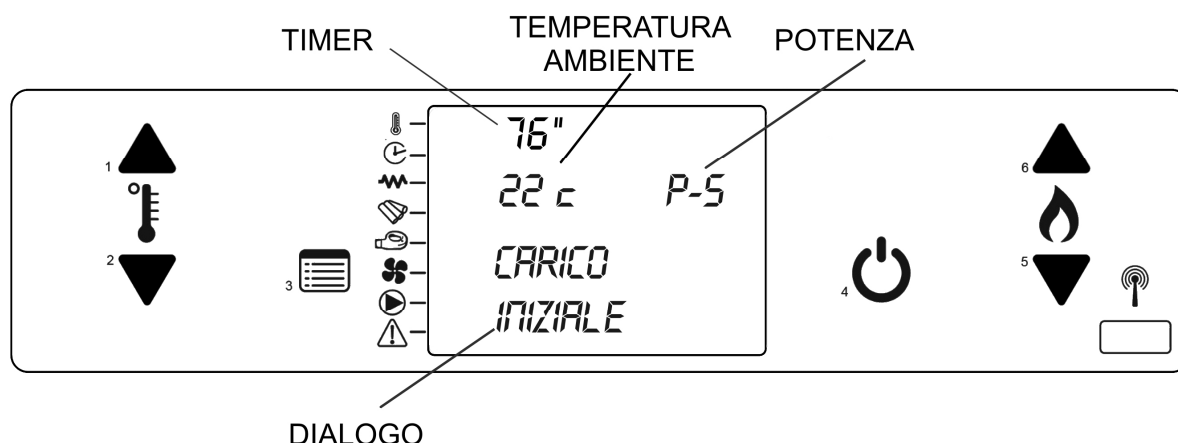
During shutdown, the display shows the message "WAIT COOLING." This display message remains until re-lighting conditions are verified.

7.6 Menu 06 "BUZZER MODE"

When "off," acoustic signal disabled in the event of an alarm. When "on," sets off a buzzer when an alarm is activated.

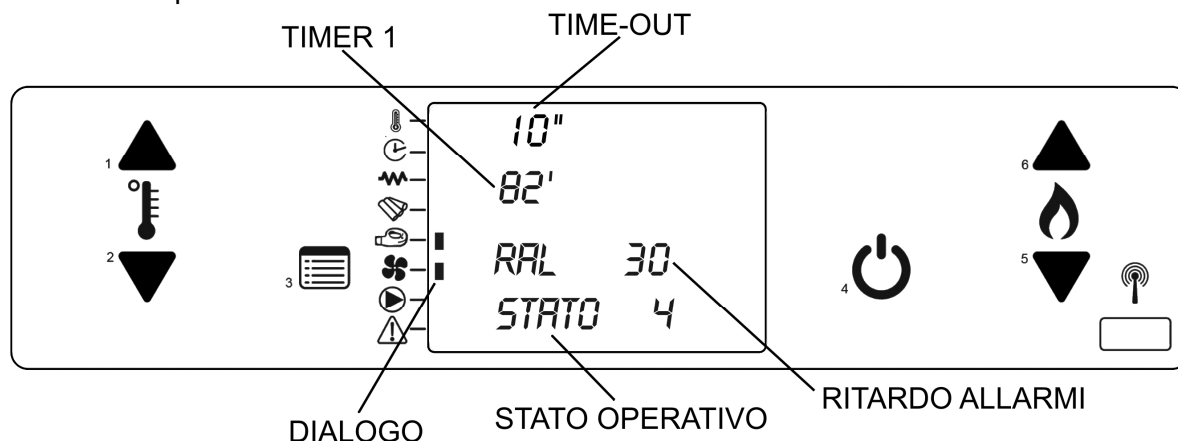
7.7 Menu 07 "INITIAL LOAD"

When the display shows the message "OFF," allows you to preload pellets for a time equal to 90 min. Start by pressing button "1" and stop if desired by pressing button "4." Once preloading is completed, remove the loaded pellets from the brazier.



7.8 Menu 08 "STOVE STATUS"

The stove status menu shows the current state of the stove, showing some sensor values and other variables inside the stove. Four pages displayed in succession are available. This menu is for qualified service personnel use.



7.9 Menu 09 “TECHNICAL CALIBRATIONS”

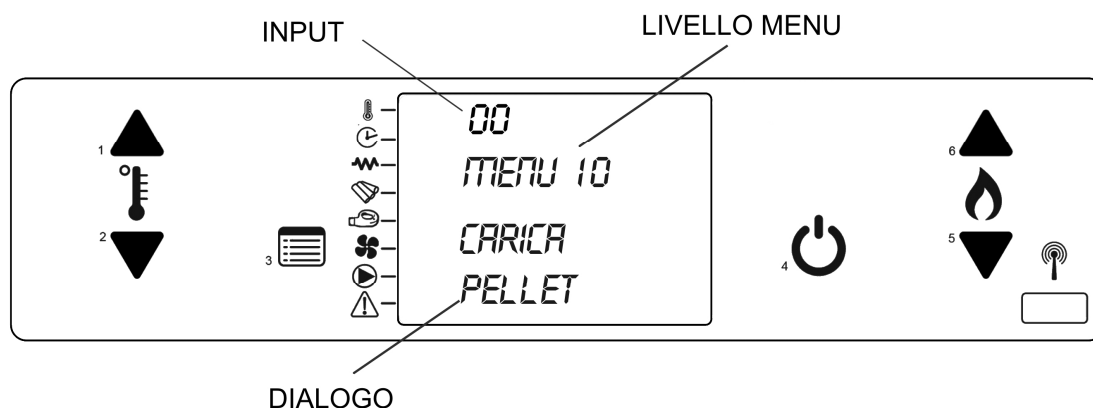
This menu is protected by an access key and is intended for qualified service personnel.

7.10 Menu 10 “PELLET TYPE” (only specially designed models)

This menu allows you to simultaneously increase or decrease all pellet lowering parameters (quantity of pellets and brazier loading).

The set default value is 00. Press keys (1) and (2) to modify said value from -9 to +9.

For each unit, pellet load times are increased or decreased by 2.5 %.

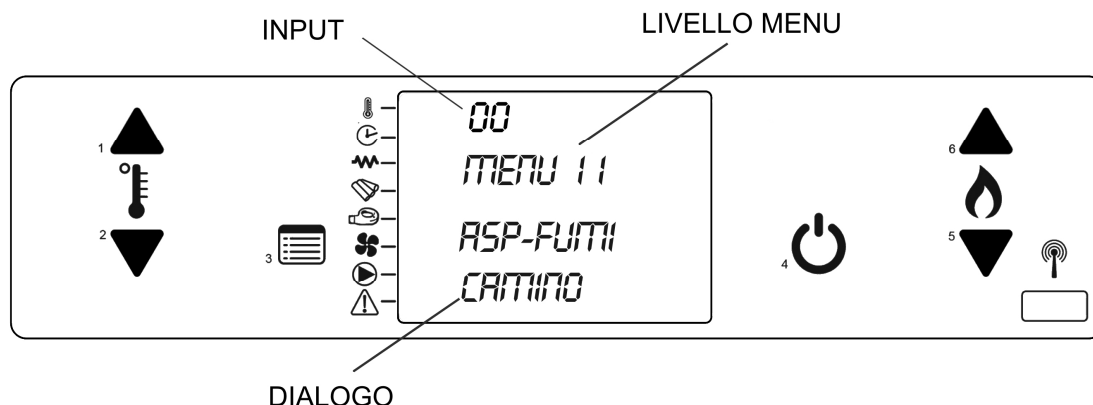


7.11 Menu 11 “FIREPLACE TYPE” (only specially designed models)

This menu allows users to simultaneously increase or decrease all smoke fan parameters (draft).

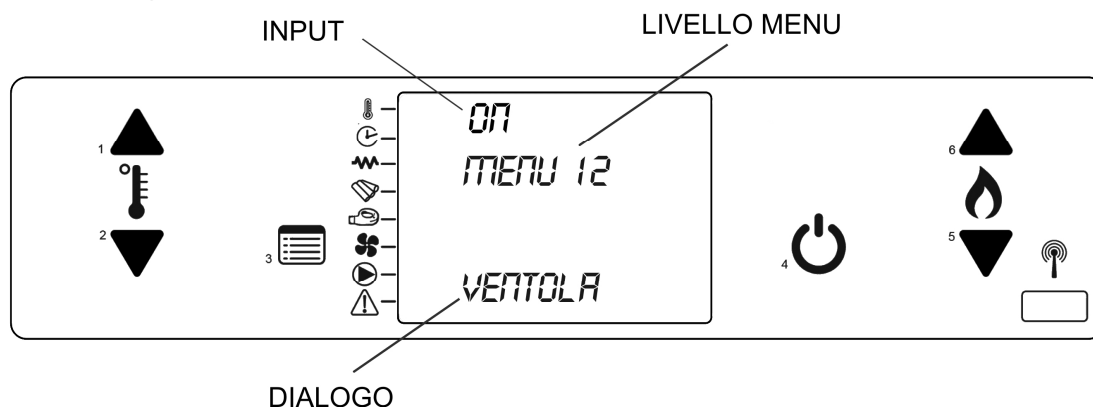
The set default value is 00. Press keys (1) and (2) to modify said value from -9 to +9.

For each unit, smoke motor revs are increased or decreased by 2.5%.



7.12 Menu 12 “FAN” (only specially designed models)

This menu allows you to activate or disable fan in HYDROVENTILATED models.



8 SAFETY and ALARMS

8.1 Safety devices

CAUTION: during operation, some parts of the stove (door, handle, ceramic parts) can reach very high temperatures.

Remember to keep at the previously mentioned safe distance.

Be careful, **use caution** and always follow the instructions.

If during operations any part of the stove or the exhaust pipe leak smoke, immediately turn off the stove **without** removing the power supply and ventilate the room. Then, once cooled down, verify the reason for the leak and, if necessary, call service personnel.

The stove is equipped with several devices which intervene in order to ensure safe operation.

CAUTION: safety devices are designed to eliminate any risk of damage to persons, animals or things, and tampering with or servicing by unauthorised personnel could compromise their safety.

Safety devices on the stove include the following:

8.1.1 Fume exhaust pressure sensor

This sensor is connected to the fume exhaust pressure duct. It controls internal pressure to the duct, monitoring any occlusion of the chimney flue and allowing use of the stove in total safety.

When it activates

If proper operation conditions in the fume exhaust duct are altered (improper installation, the presence of obstacles or impediments in the exhaust tube, negligent maintenance, adverse weather conditions such as persistent wind, etc.), the pressure sensor (pressure gauge) stops electrical power supply to the pellet feed screw, thus blocking pellet feeding to the brazier and sending an alarm signal to the board.

The alarm can also be caused by clogging in the stove, by improper combustion or lack of annual stove cleaning.

When the alarm goes off, the display shows the message **"AL 8 – LOW PRESSURE"**.

What to do

- Put the stove in stand-by by pressing the off button for a few seconds (4). (The acoustic alarm stops).

- Wait and make sure that the combustion of pellets left in the brazier has been completed.

- Wait for the stove to cool down, then verify and remove the causes which caused the safety devices to go off. Finally, after having cleaned the brazier, re-start the stove by pressing the ON/OFF button (4).

In the event of a repeated alarm, call a service centre.

8.1.2 Boiler /structure temperature sensor

The stove is equipped with a manual reset bulb thermostat whose function is to preserve the boiler, pellet tank and, consequently, the whole structure from excessive temperature changes.

When it activates

For hydro stoves, if the water boiler temperature reaches a threshold of 85°C, while for air stoves, if the pellet loading tube reaches the threshold of 85°C.

In both situations, the thermostat interrupts electrical power to the feed screw, thus blocking pellet feeding to the brazier and sending an alarm signal to the board.

The display will show the message **"AL 7 – Thermal safety"**.

What to do

- Put the stove in stand-by by pressing the off button for a few seconds (4). (The acoustic alarm stops).

- Wait and make sure that the combustion of pellets left in the brazier has been completed.
- RESET THE SAFETY THERMOSTAT located on the rear of the stove under the outlet (see Fig. 14).

Before resetting the safeties, make sure that the stove is **off and completely cooled down**, then proceed as follows:

- 1 Unscrew the cap located on the rear lower right of the stove (see Figure 14).
- 2 Press the red button with slight pressure.
- 3 Replace the cap in its housing.
- 4 **After having cleaned the brazier**, re-start the stove by pressing button (4).

8.1.3 Smoke temperature sensor

The smoke sensor is directly connected to the circuit board and keeps operating temperature of exhaust fumes from the stove under constant control, allowing safe use of the stove.

How it works

If fume temperature exceeds the first pre-set temperature limit, the board passes into modulation mode. The display will show the message **"MODULATE / MAX SMOKE"**. At the same time if, despite passage to modulation, the fume temperature continues to increase and exceeds the second pre-set safety limit, the stove will pass into alarm mode. Pellet flow is interrupted and fume exhaust speed is set to maximum.

The display will show the message **"AL 3 – SMOKE TEMP"**.

What to do

- Put the stove in stand-by by pressing the off button for a few seconds (4).
- Wait and make sure that the combustion of pellets left in the brazier has been completed.
- Verify and remove the causes which caused the safety devices to go off.
- After having cleaned the brazier, re-start the stove by pressing button (4).

Smoke sensor fault

The stove constantly controls smoke sensor functioning.

When it activates

If the sensor is momentarily and/or accidentally removed from its housing, or the connector is not correctly positioned on the circuit board or the sensor fails for any reason. The fault is signalled via display message **AL 2 – "SMOKE SENSOR"**.

What to do

- 1 Put the stove in stand-by by pressing the off button for a few seconds (4).
- 2 Wait and make sure that the combustion of pellets left in the brazier has been completed.
- 3 If necessary, call a service centre to replace the sensor.

8.1.4 Water temperature sensor

The water sensor is directly connected to the circuit board and keeps operating water temperature in the boiler under constant control, allowing safe use of the stove.

How it works

If water temperature exceeds the first pre-set temperature limit, the board passes into modulation mode. The display will show the message "modulate." At the same time if, despite passage to modulation, the water temperature continues to increase and exceeds the second pre-set safety limit (about 90°C), the stove will pass into alarm mode.

The display will show the message "**AL A – WATER TEMP**".

What to do

- Put the stove in stand-by by pressing the off button for a few seconds (4).
- Wait and make sure that the combustion of pellets left in the brazier has been completed.
- Verify and remove the causes which caused the safety devices to go off.
- After having cleaned the brazier, re-start the stove by pressing button (4).

Water sensor fault

The stove constantly controls water sensor functioning.

When it activates

The water sensor fault is signalled if the sensor is momentarily and/or accidentally removed from its housing, or the connector is not correctly positioned on the circuit board or the sensor fails for any reason. The fault is signalled via display message **AL 9 – "WATER SENSOR"**.

What to do

- Put the stove in stand-by by pressing the off button for a few seconds (4).
- Wait and make sure that the combustion of pellets left in the brazier has been completed.
- If necessary, call a service centre to replace the sensor.

8.1.5 Water pressure switch

The water pressure switch is directly connected to the circuit board and keeps operating water pressure in the boiler under constant control, allowing safe use of the stove.

How it works

If water pressure goes below 0.5 bar or over 2.5 bar, the stove passes into alarm mode. The display will show the message "**AL b – WATER PRESS**".

What to do

- Put the stove in stand-by by pressing the off button for a few seconds (4).
- Wait and make sure that the combustion of pellets left in the brazier has been completed.
- Verify and remove the causes which caused the safety devices to go off. Check and fix pressure level in the boiler circuit.
- After having cleaned the brazier, re-start the stove by pressing button (4).

8.2 Alarms

In the event that an operating anomaly occurs, the board intervenes and signals the irregularities, operating in different modes depending on the type of alarm. The following alarms can occur:

Cause of alarm	Display message
No power	AL1 BLACK-OUT
Smoke temperature sensor	AL2 SMOKE SENSOR
Smoke overtemperature	AL3 SMOKE TEMP
Smoke fan fault	AL4 EXTRACT FAULT
No start-up	AL5 NO START
Shutdown during work mode	AL6 NO PELLET
General safety thermostat	AL7 THERMAL SAFETY
Safety pressure switch	AL8 LOW PRESSURE
No or low water sensor	AL9 WATER SENSOR
Water overtemperature	ALa WATER TEMP
Water press. outside allowed values	ALb WATER PRESS

ALL ALARM CONDITIONS CAUSE IMMEDIATE STOVE SHUTDOWN

To exit from an alarm condition, always press button "4" until the message "FINAL CLEANING" appears. You will also need to take additional steps, depending on the type of alarm generated. If you do not exit from the alarm condition within a given time (a few hours), the alarm will be sent into stove memory and the display will show the message "ALARM MEMORY." To exit from this condition, press button "4" as per above.

AL 1 - Black-out

This alarm is activated when the stove is disconnected from the mains.

What to do

Put the stove in stand-by by pressing the off button for a few seconds (4).

AL 2 - Smoke sensor

This alarm signals breakage of the smoke sensor (see safety devices)

AL 3 – Smoke temp

This alarm signals excessive smoke exhaust temperature (see safety devices)

AL 4 – Extract fault

This alarm indicates a failure to read the revs of the smoke expulsion motor by the control board. It may have been activated due to motor fault or due to a lack of connection between the rev reader (encoder) in the motor and the board.

What to do

Put the stove in stand-by by pressing the off button for a few seconds (4).

Try switching the stove back on.

Contact your service centre if the problem persists.

AL 5 – No start

This alarm signals an ignition failure. This alarm is activated when, during the start-up phase, a maximum waiting time (about 20 minutes) is exceeded without the machine switching on successfully. (see ignition)

AL 6 – No pellet

This alarm indicates a flame failure in the brazier during normal stove operation. The main causes are: no pellets in the hopper or blocking of the pellet feed screw.

What to do

Put the stove in stand-by by pressing the off button for a few seconds (4).

Empty the brazier of all unburned accumulated pellets.

In the event of pellet exhaustion in the tank, refuel the stove and ignite it again. Do not insert pellets until the stove has cooled completely. **Pellet refilling must be performed with the stove off** or with the stove working with the flame present.

In the case of a pellet feed screw block, empty the tank and remove any foreign bodies present in the feed screw. Then refill with pellets and start the stove back up.

In the case of repeated feed screw blocks, call a service centre.

AL 7 – Thermal safety

This alarm is activated by intervention of the stove boiler safety thermostat (see safety devices).

AL 8 – Low pressure

This alarm is activated by intervention of the pressure sensor (pressure gauge) (see safety devices).

AL 9 – Water sensor

This alarm is activated by the breaking or disconnection of the water sensor from the boiler (see safety devices).

AL A – Water temp

This alarm is activated by the overtemperature of the water in the boiler (see safety devices).

AL b – Water press

This alarm is activated by the incorrect pressure of the water in the boiler (see safety devices).

9 WARNINGS AND MAINTENANCE

All maintenance operations (cleaning, replacements, etc.) should be carried out when the fire is out and the stove is cold. In addition, do not use any abrasive substances.

CAUTION: FAILURE TO CLEAN AFFECTS SAFETY

9.1 *Opening the door*

The door must remain closed during operation. The door should be opened only with the stove off and cooled down to perform maintenance and routine cleaning.

9.2 *Disposal of ashes*

The ash collection compartment must be emptied regularly so as to impede combustion residue from arriving at the brazier support. Ashes must be placed in a metal container with a sealed lid. Until ashes are completely out, the sealed container should be placed on a non-combustible base or on the floor, or well away from combustible materials.

CAUTION: ashes keep embers on for a long time!!!

9.3 *Brazier cleaning*

When the flame becomes a red colour or is weak accompanied by black smoke, it may mean that there are ash deposits or incrustations which are not allowing correct stove operation and which must be removed.

Every two days, remove the brazier by simply lifting it from its housing, then clean it of ash and any incrustations which could have formed, with particular attention to freeing clogged holes using a pointed tool.

This operation is necessary in particular the first few ignitions, especially when using different quality pellets. The timing of this operation is determined by the frequency of use and the choice of fuel. It is advisable to also check the brazier support, emptying it of any ashes.

CAUTION: before igniting the stove, check that the brazier is pushed back toward the deflector and that the glow plug tube is inserted in the corresponding brazier hole.

9.4 *Ash drawer cleaning*

Check the ash drawer every two days to see if it needs emptying. See paragraph 9.2 for ash disposal.

9.5 *Combustion chamber cleaning*

Clean the combustion chamber weekly, removing ashes accumulated in the chamber using a vacuum cleaner.

Note Use a vacuum cleaner designed for the suction of ashes for this type of cleaning.

9.6 *Smoke chamber cleaning*

Generally, clean the smoke chamber once a year (preferably at the beginning of the season) for best stove operation. The frequency of this operation depends on the type of pellet used and the frequency of use. Contact a Technical Assistance Centre for this type of cleaning.

9.7 *Exhaust system cleaning*

Until you are reasonably experienced regarding operating conditions, it is advisable to perform this service at least monthly. Remove the T-fitting cap and proceed with duct cleaning. If necessary, at least the first few times, request assistance from a qualified technician.

9.8 Cleaning metal and ceramic parts

Use a soft cloth moistened with water to clean metal stove parts.

NEVER CLEAN METAL OR CERAMIC PARTS WITH ALCOHOL, THINNERS, PETROL, KETONES OR OTHER DEGREASERS.

Use of these substances frees the company from all liability. Discolouration of metal parts can be the result of improper use of the stove.

9.9 Cleaning glass

Door glass must be clean (cold) with ammonia-based and non-corrosive degreasers as a diluent. Prevent corrosive substances from coming into contact with the paint on the stove as these can cause damage. If glass is hot, before proceeding with cleaning, keep the door open as long as necessary until it cools down. Do not use any material that can scratch or damage the glass.

9.10 Broken glass

The stove is equipped with 4 mm thick ceramic glass that is resistant to a thermal shock of 750°C. This glass can break only due to a strong impact or misuse. Do not slam the door or hit the glass. In case of breakage, replace with an original replacement part only. Contact a Technical Assistance Centre to replace.

9.11 Replacing the remote control battery

Replace as follows:

use a small size Phillips screwdriver to remove the screw on the back of the remote control, hold it upside down and then remove the rear shell. Replace the old battery with a new A 23 12V battery, taking care not to invert polarity (polarity is indicated on the remote control data sheet). Then close the remote control and dispose of the used battery in compliance with regulations. The installed battery must be the type specified above. Failure to comply with these instructions may create an explosion hazard.

9.12 Cleaning fans

CAUTION: all cleaning and/or maintenance operations must be performed with the **POWER OFF**. The stove is equipped with fans (room and fumes) located at the lower rear of the stove. Any deposits of dust or ash on fan blades lead to an imbalance which causes noise during operation. Fans must therefore be cleaned at least once annually. As this operation involves the removal of some stove parts, have the fan cleaned by a Technical Assistance Centre or qualified personnel only.

9.13 Stove inactivity

At the end of the season, perform the following operations:

- Remove all pellets from the tank and from the feed screw.
- Thoroughly clean the brazier, the support brazier, the combustion chamber and the ash drawer.
- Thoroughly clean the smoke exhaust system: contact a professional chimney sweep for this purpose.
- Clean all dust, spider webs, etc. from the area behind the panels of the inner cladding once a year.
- Clean fans thoroughly.
- Disconnect the power cable.

9.14 Routine and special maintenance

These operations should be programmed ANNUALLY with a Technical Assistance Centre and are necessary to ensure the maintenance of product efficiency and ensure safe operation.

- Thoroughly clean the combustion chamber and the heat exchanger.
- Smoke motor, dismantling and cleaning of the smoke exhaust duct, new silicone where required.
- Inspection and verification of seals, replacement and silicone application where required.
- Tank, emptying and cleaning.
- Check of electrical and electronic parts.

- Cleaning and check of the tube and pressure gauge.
- Check and replacement, if necessary, of components that are subject to wear: brazier, resistance, ash drawers, etc.

Additional instructions

Installation and assembly (Hydro pellet insert)

Installation

The product can be installed at any height, using the special adjustable frame (optional item), or building props and non-flammable structures capable of supporting the weight of the product. The Manufacturer rejects all responsibility for damage to people or property caused by the customer's failure to follow the above instructions.

If you wish to install the pellet stove on a different structure or atop masonry works, proceed as follows:

- Remove the two front lock-screws
- Remove the base from the pellet stove, sliding it until it comes off completely
- Place the base on the structure or masonry work you have prepared, leaving a space of 17 mm from the front wall, and fasten the base using 5 wall plugs or screws.
- Before reassembling the pellet stove on the guides, make all the smoke exhaust, hydraulic and electrical connections. Close the pellet stove making sure it slides all the way back; the position sensor will not allow you to switch it on unless the installation has been performed properly. Refit the lock-screws.

Connecting the smoke exhaust

Remember to factor in the presence of any flammable materials when drilling the hole for the smoke exhaust pipe. If the hole has to cross a wooden wall or other heat-sensitive material, the installer must use a wall connection and properly insulate the product feed-pipe using appropriate insulating materials (thickness: 1.3-5 cm, with a minimum thermal conductivity of 0.07 W/m²K). The same minimum distance is required even if the exhaust pipe is made to cross vertical or horizontal segments that run close to the potentially flammable wall. For all information concerning the possible case scenarios when installing the smoke exhaust, please refer to the main manual.

Main air supply

During its operation, the product samples a certain amount of air for combustion from the environment; this air must be integrated through an external air intake.

In this product, the combustion air intake is direct, so that you have to arrange grilles in the surrounding structure. However, if you want to sample air externally, you will have to adjust the pipe and connect it directly to the outside.

Electrical connection

Connect the cable included with the pellet stove to an electrical socket with ground connection.

Hood ventilation grilles

The product can be used in two different ways:

1. inserted into an existing cladding.
2. as a new installation.

If you choose to insert it into an existing cladding, you will have to use its ventilation grilles.

If, instead, you choose to use the product as a new installation, we recommend installing separate ventilation grilles (convection air) with a size of at least 500 cm², one for air exhaust into the environment and one for the intake, which can be installed either in position A or B.

The Manufacturer is not liable for possible damage to the structure or the electrical components caused by failure to follow this instruction.

The structure reaches high temperatures and it is essential to ensure continuous and efficient ventilation inside the cladding.

This will not only guarantee ideal operation, but will allow recovery of part

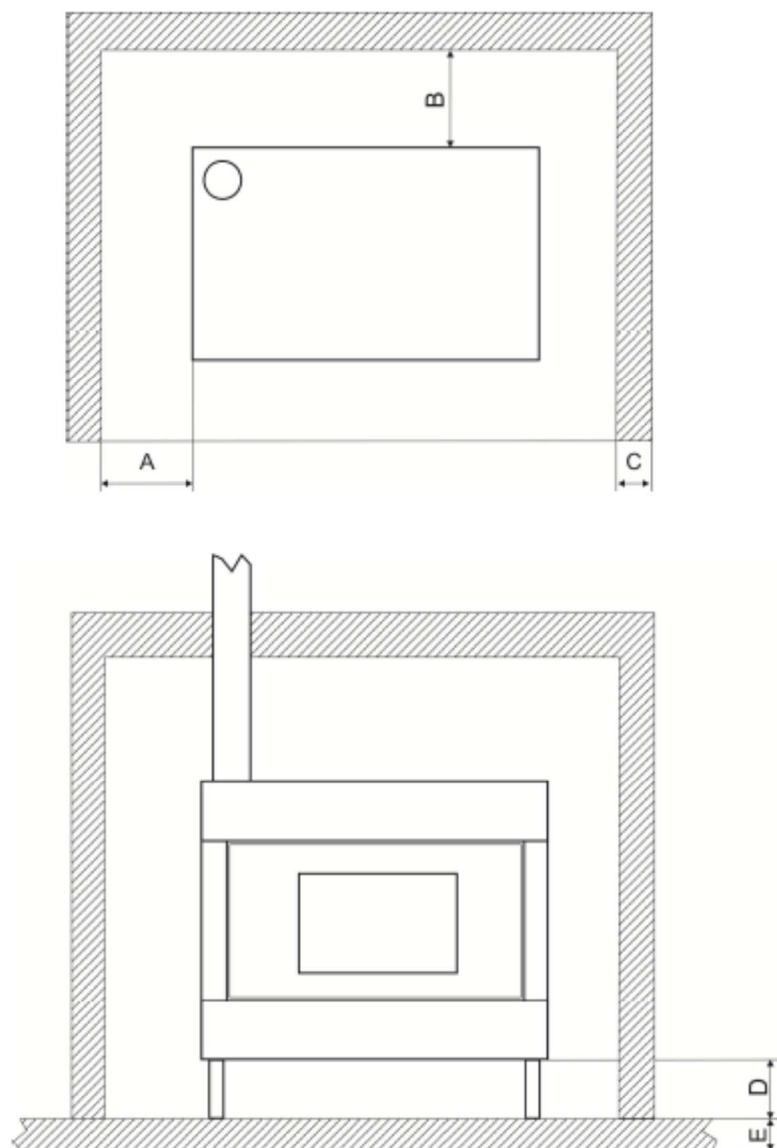
of the structure's heat that would be lost if it were to remain trapped within the cladding.

Pellet feed

Pellets must be fed into the stove through the removable front tray place atop the fire door. For a smooth pellet feed, perform the following steps in order:

- Open the tray until it comes to a halt (the guides will block its movement when you have pulled the tray to its farthest-out position). If the pellet stove is hot, use an oven glove.
- Pour the pellets inside the tray a little at a time, using a spatula (not included).
- Move the tray back and forth to make the pellet slide to the bottom of the tank.

SAFETY DISTANCES FROM FLAMMABLE WALL

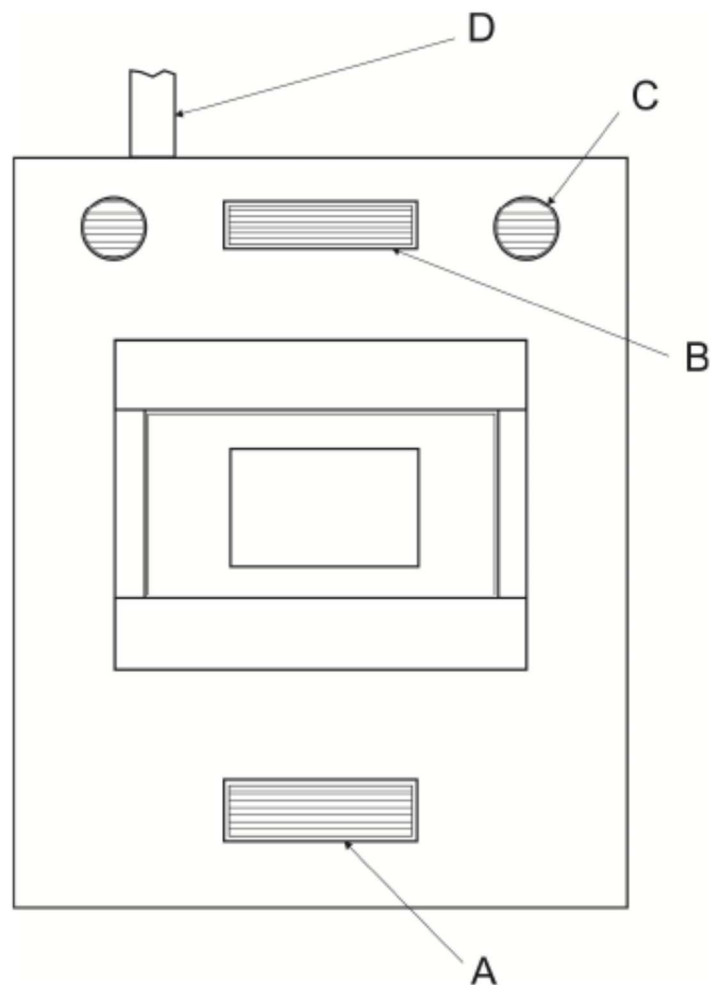


Safety distances when installing the pellet stove on or near combustible materials:

- Distance in air from the side wall: A = 300 mm;
- Distance in air from the back wall: B = 250 mm;
- Distance in air from the floor: D = 100 mm;
- Thickness of insulating material on side/back wall: C = 80 mm;

- Thickness of floor insulation: $E = 0$ mm;
- Minimum distance in air from combustible material (at the front): 100 cm.

SAFETY DISTANCES FROM FLAMMABLE WALL



Convection air inlet/outlet sections:

- Convection air inlet minimum section: $A = 500 \text{ cm}^2$;
- Convection air outlet minimum section: $B = 500 \text{ cm}^2$;
- Convection air outlet minimum section: $C = 0$

Inner diameter of pellet stove (trial): $D = 100 \text{ mm}$

16.12 Forewords

The stove requires a simple yet constant cleaning to guarantee top efficiency and proper functioning. Constant maintenance by a qualified technician is recommended.

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

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

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

THE YEARLY CLEANING OF THE VENT PIPE IS THEREFORE FUNDAMENTAL TO PREVENT THIS FROM HAPPENING

N.B.:

- **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 GET CLOGGED BY SAWDUST RESIDUES SOLIDIFIED DUE TO MOISTURE.**

16.13 Daily cleaning

Operations to carry out when the stove is fully cold:

- Emptying the ash drawer : by means of a vacuum cleaner or throwing the ash in the dustbin .
- Vacuum the burning chamber: be careful there are not yet hot embers. In this case , the vacuum cleaner can start burning.
- Take off the ash inside the burner and the door.
- Wipe off the door glass by means of a wet cloth or a balled newspaper, wet and smeared with ash. If this operation were carried out when the stove is still hot, the glass could explode.



N.B. :USE A DRY CLOTH TO CLEAN THE STOVE EXTERNALLY

16.14 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.
- lack of maintenance.
- use of non original spare parts or spare parts not suitable for the stove model.extraordinary circumstances.

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

ALARM SIC	FIREBOX OVERHEATING	LET STOVE COOL DOWN, MANUALLY RESET THERMOSTAT ON BACK. SWITCH STOVE ON AGAIN AND DECREASE STOVE HEAT OUTPUT IF NECESSARY. 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.
ALARM SOND FUMI	FAULTY FUME SENSOR	CALL TECHNICAL ASSISTANCE.
	FUME SENSOR DISCONNECTED	CALL TECHNICAL ASSISTANCE.
ALARM HOT TEMP	FAULTY FUME SENSOR	CALL TECHNICAL ASSISTANCE.
	FAULTY CONTROL BOARD	CALL TECHNICAL ASSISTANCE.
	FAULTY EXCHANGER BLOWER	CALL TECHNICAL ASSISTANCE.
	EXCESSIVE PELLET SET VALUE AT MAXIMUM HEAT OUTPUT	CALL TECHNICAL ASSISTANCE.
REMOTE CONTROL DOES NOT WORK (CERCA CAMPO - TRYING TO CONNECT)	POSSIBLE INTERFERENCE	TRY DISCONNECTING FROM THE MAINS SUPPLY ANY HOUSEHOLD APPLIANCE OR ANY OTHER APPLIANCE THAT MAY GENERATE ELECTROMAGNETIC FIELDS.
REMOTE CONTROL DOES NOT SWITCH ON	DISPLAY SWITCHED OFF	CHECK BATTERY / FAULTY REMOTE CONTROL.

Date of 1st maintenance operation _____ / _____ / _____

(Technical Support Service Stamp)

Date of 2nd maintenance operation _____ / _____ / _____

(Technical Support Service Stamp)

Date of 3rd maintenance operation _____ / _____ / _____

(Technical Support Service Stamp)

INSTALLATION AND TESTING CERTIFICATE

CLIENT: _____

Dealer's Stamp:

ADDRESS: _____

CITY: _____

Installation Technician's Stamp:

POSTCODE: _____

PROVINCE: _____

Name: _____

TELEPHONE: _____

Surname: _____

Delivery date: _____

Address: _____ Postcode.: _____

Delivery document: _____

City: _____

Product mod.: _____

Telephone: _____

Serial number: _____ Year: _____

After Product installation, the client hereby declares that the work has been carried out properly and in accordance with the instructions of this manual. Moreover, the client declares to have checked the perfect operation and to be aware of the instructions required for correct use and correct management and maintenance of the Product.

CLIENT'S Signature

DEALER'S/INSTALLATION TECHNICIAN'S

Copy for the dealer or the installation technician



INSTALLATION AND TESTING CERTIFICATE

CLIENT: _____

Dealer's Stamp:

ADDRESS: _____

CITY: _____

Installation Technician's Stamp:

POSTCODE: _____

PROVINCE: _____

Name: _____

TELEPHONE: _____

Surname: _____

Delivery date: _____

Address: _____ Postcode.: _____

Delivery document: _____

City: _____

Product mod.: _____

Telephone: _____

Serial number: _____ Year: _____

After Product installation, the client hereby declares that the work has been carried out properly and in accordance with the instructions of this manual. Moreover, the client declares to have checked the perfect operation and to be aware of the instructions required for correct use and correct management and maintenance of the Product.

CLIENT'S Signature

DEALER'S/INSTALLATION TECHNICIAN'S

Congratulations! Thank you for purchasing an Eva Stampaggi product.

Warranty

*The warranty period is **two** years if the product was purchased by a private customer (must be proven in the relevant tax document pursuant to the Italian Legislative Decree no. 24, February 2 2002) and **one** year if it was purchased by a company or by a professional (subject to VAT - as per relevant invoice).*

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 **+39 0438 35469** or by sending an email to info@evacalor.it*

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

Should it prove impossible to solve the issue over the phone, our staff will forward it to the Technical Support Service closest to you, which will guarantee assistance from a technician within 5 working days.

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

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

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

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

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

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

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

The warranty shall not cover:

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

The warranty shall 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 on ceramic / majolica covering;
- Door glass;
- Gaskets;
- Ignition plug heating elements (warranty period: 1 year);
- The warranty does not cover masonry works;
- Damage to chromed and/or anodised and/or painted metal parts or on any other treated surfaces due to rubbing or bumping with other metal parts;
- Damage to chromed and/or anodised and/or painted metal parts or on any other treated surfaces due to improper maintenance and/or cleaning using chemical products or agents (said parts must be cleaned using only water);
- Damage to mechanical components or parts due to improper use or to installation carried out by non-qualified staff or not in compliance with the instructions provided with the product;
- Damage to electrical or electronic parts or components due to improper use or to installation carried out by non-qualified staff or not in compliance with the instructions provided with the product.

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

Eva Stampaggi S.r.l.
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I - 31028 Vazzola (Treviso - Italy)
Tel. +39.0438.740433 rollover lines
Fax +39.0438.740821
E-mail: info@evacalor.it

Retailer Stamp and Signature