



CARINCI PRESTIGE
Model **270**

Environment Class

★ ★ ★ ☆ ☆

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CARINCI PRESTIGE
Model **350**

Environment Class

★ ★ ★ ★ ☆

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CARINCI PRESTIGE
Model **500**

Environment Class

★ ★ ★ ★ ☆

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User Manual

CARINCI PRESTIGE BOILER



INDEX

Preface	pag. 4
Initial Warnings	pag. 4
Safety	pag. 5
1.0 Presentation of the Boiler PRESTIGE	pag. 6
1.1 Main components of the Boiler PRESTIGE	pag. 6
1.2 Dimensions	pag. 7
1.3 Description of main components	pag. 8
2.0 Positioning	pag. 9
3.0 Flue gas evacuation	pag. 10
3.1 General requirements of the flue gas duct	pag. 10
3.2 General requirements of the chimney	pag. 11
3.2.1 Minimum requirements of the chimney with solid fuels	pag. 11
3.3 Chimney pot	pag. 12
3.4 Outlet portion of the flue pipe	pag. 12
4.0 Boiler hydraulic connections - Heating system	pag. 13
4.1 Hydraulic connection	pag. 14
4.2 Hydraulic connection with Safety device (INAIL)	pag. 15
4.3 Hydraulic safety devices	pag. 16
4.4 Requirments for closed circuit systems	pag. 16
4.5 Door opening safety	pag. 16
4.6 Adjustment on the heating circuit	pag. 16
4.7 Heat exchanger for domestic hot water	pag. 17
5.0 Pellet loading	pag. 17
6.0 Ignition of the appliance	pag. 17
7.0 Wood operation (for wood-burning appliances only)	pag. 18
7.1 Pellet operation (automatic mode)	pag. 18
8.0 Electrical connections	pag. 19
8.1 Electrical connections diagram	pag. 20
9.0 Display panel of the Carinci MB 250 Control unit	pag. 21
9.1 Display	pag. 22
9.2 Menu	pag. 23
9.2.1 Menu Functions	pag. 23
9.3 Combustion Management Menu	pag. 24
9.3.1 Operation	pag. 24
9.3.2 Pellet power	pag. 24
9.3.3 Wood power (for wood-burning appliances only)	pag. 24
9.3.4 Pellet settings	pag. 24
9.3.5 Auger calibration	pag. 24
9.4 Chrono Menu	pag. 25
9.4.1 Chrono Mode	pag. 25
9.4.2 Chrono Programming	pag. 25
9.5 Manual Loading Menu	pag. 26
9.6 Date and Time Menu	pag. 26
9.7 Language Selection Menu	pag. 26
9.8 Contrast and Lighting Adjustment	pag. 26
9.9 Errors	pag. 27
10.0 Maintenance	pag. 28
11.0 Cleaning of the Appliance	pag. 28
12.0 Replacement of the ignition plug	pag. 31
13.0 To change the position of the pellet feeding system	pag. 32
14.0 Technical Data	pag. 34
15.0 Reference Standard	pag. 35
16.0 Terminology	pag. 35
General Conditions of Warranty	pag. 36

PREFACE

Valued Client, Carinci Group SpA would like to thank you for choosing the **CARINCI BOILER**

PRESTIGE, the latest technological innovation in biomass heating.

In this manual you will find all information and useful advice for the correct installation, use and maintenance of the product, in compliance with current regulations.

INITIAL WARNINGS

This instruction manual is an integral part of the product and it must be supplied with the equipment. Should it be damaged or lost, request another copy from the local technical service or request a digital copy at the address info@carincigroup.it.

This product must be intended exclusively for the use for which it was designed and manufactured. Any contractual and non-contractual liability of the manufacturer for damages caused to people, animals or things, from installation, adjustment, maintenance errors and improper use is excluded.

The installation must be performed by enabled and qualified personnel, who will assume full responsibility for the definitive installation and consequent good functioning of the product. When installing the product, it is necessary to take into account all the national, regional, provincial and municipal laws and regulations present in the country in which the equipment is installed, as well as the instructions contained in this manual.

The boiler must be installed in a proper room in compliance and compatible with the nature of the equipment itself (technical room).

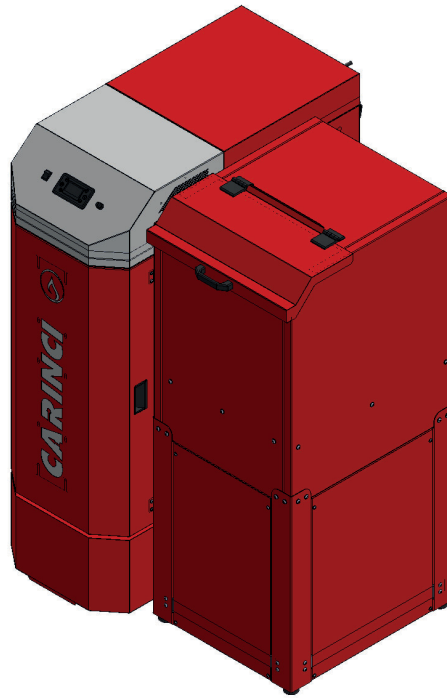
There will be no liability on the part of the manufacturer in the event of non-compliance with these specific requirements.

After removing the packaging, make sure of the correspondence and completeness of the content. Should this not be the case, contact the dealer from whom the equipment was purchased and immediately submit the reports. No disputes of any title will be accepted after two days from the receipt of the goods.

SAFETY

1. Do not use the appliance as an incinerator or in any other way other than that in which it was conceived;
2. Do not use fuels other than those recommended;
3. Do not use flammable liquids for ignition;
4. The equipment in operation reaches high temperatures, therefore it is necessary to operate with great caution in order to avoid burns;
5. The Boiler **PRESTIGE**, once positioned, must have a radius of **free space suitable** (as indicated in paragraph 2) to ensure easy inspection and maintenance;
6. Do not make any unauthorized modification on the equipment;
7. In case of failure or malfunction, use only original spare parts. In any case, the replacement must be carried out exclusively by personnel authorized by **Carinci Group SpA**;
8. In the event of a fire on the appliance or on the flue gas evacuation system, immediately turn off the power supply, equip yourself with the appropriate fire extinguishing systems and promptly request the intervention of the firefighters;
9. Should maintenance or repairs be carried out, make sure that the equipment is not connected to the electrical network;
10. Contact with the equipment is prohibited in the presence of wet or damp parts of the body;
11. We recommend positioning the power cable so that it does not come into contact with the hot parts of the equipment. In addition, make sure that the power plug is always accessible.
12. It is forbidden to modify the safety devices or the operating parameters on the equipment;
13. Do not reduce or obstruct the ventilation openings necessary for correct combustion in the room where the equipment is located;
14. Following a long period of non-use, check for any obstructions in the flue gas duct and in the ventilation duct before proceeding to start the appliance again;
15. During normal operation of the appliance, the doors must remain closed;
16. The equipment has been designed to operate in any climatic condition but, in the event of particularly adverse conditions (e.g. strong wind), safety systems may shut down the equipment. In this case, contact the technical assistance service without disabling the safety devices on your own;
17. While loading the pellet tank, avoid contact between the bag and the hot metal parts of the generator.

1.0 PRESENTATION OF THE BOILER PRESTIGE



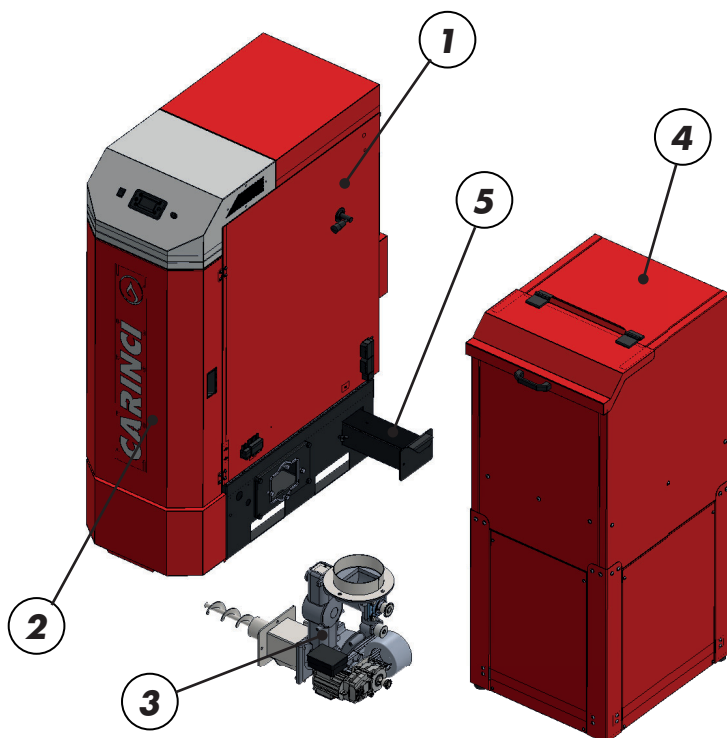
The Boiler PRESTIGE has been designed and produced for heating through the use of biomass fuel.

The Boiler series PRESTIGE is produced in the following versions:

- PRESTIGE 270 with power modulation from 8,1 to 27 kW
- PRESTIGE 350 with power modulation from 8,1 to 34,9 kW
- PRESTIGE 500 with power modulation from 14,5 to 49,5 kW.

The technical characteristics, the design and the technology of the Boiler PRESTIGE are those identifying of Carinci Group S.p.A. already adopted in all other equipment.

1.1 MAIN COMPONENTS OF THE PRESTIGE BOILER

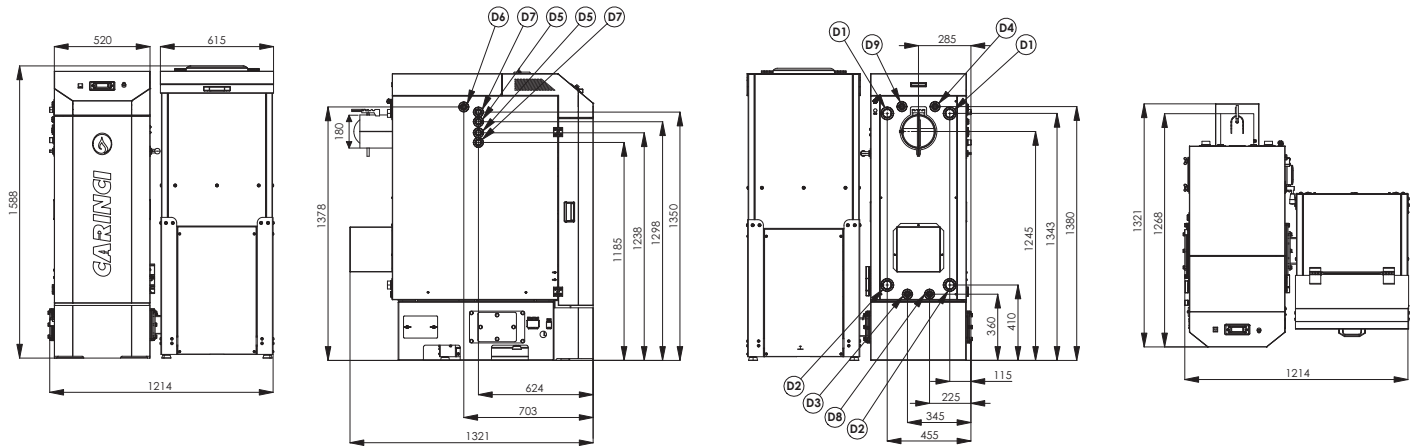


Legend:

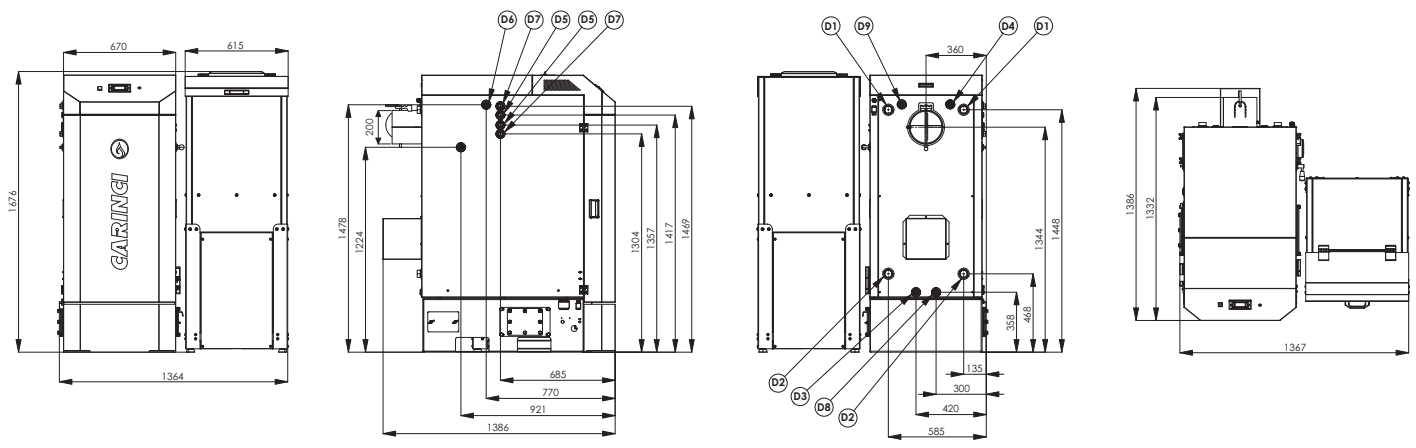
1. Boiler body
2. Combustion chamber
3. Pellet feeder
4. Fuel tank
5. Ash collector

1.2 DIMENSIONS

DIMENSIONS OF BOILERS PRESTIGE 270 and PRESTIGE 350 (expressed in millimeters)



DIMENSIONS OF BOILER PRESTIGE 500 (expressed in millimeters)

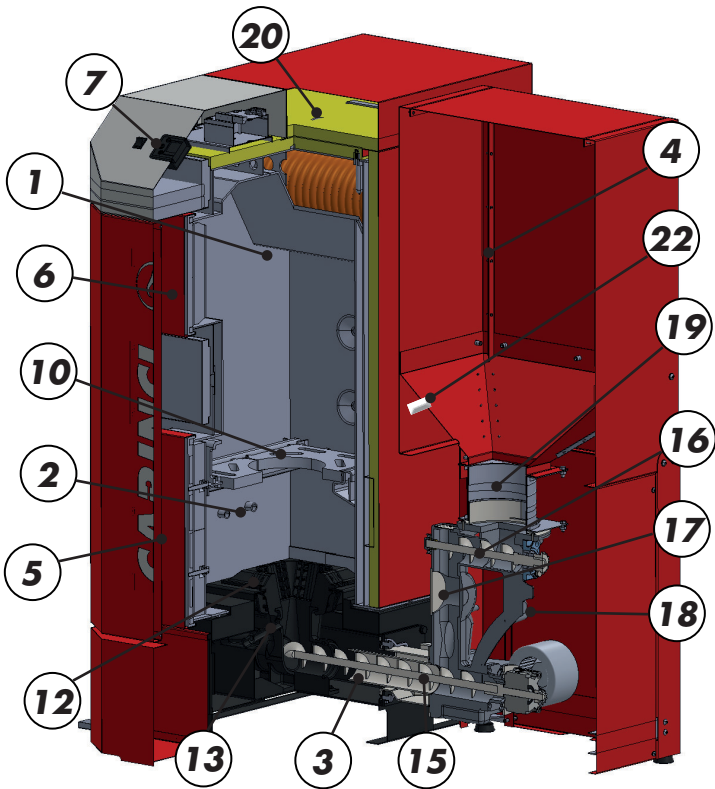


Hydraulic Connections

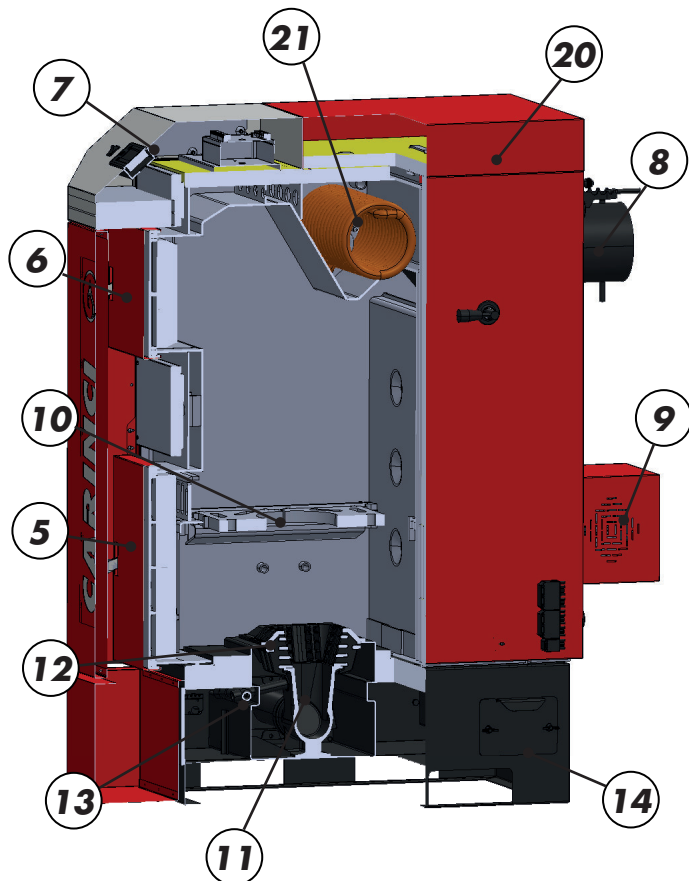
D1	Delivery heating	1' M
D2	Return heating	1' M
D3	Drain cock	½ F
D4	Safety valve	½ F
D5*	Heat discharge valve inlet	½ M
D5*	Heat discharge valve outlet	½ M
D6	Sensor pocket	½ F
D7*	Cold Domestic Water Inlet	½ M
D7*	Hot Domestic Water outlet	½ M
D8	Filler group inlet	½ F
D9	Vent valve	½ F

* = Interchangeable connections

1.3 DESCRIPTION OF MAIN COMPONENTS



- ① Boiler body
- ② Combustion chamber
- ③ Pellet feeder
- ④ Pellet tank
- ⑤ Lower door for ignition and cleaning
- ⑥ Upper door
- ⑦ Electronic control unit
- ⑧ Flue pipe connection
- ⑨ Auxiliary fan
- ⑩ Support grid for wood (only for wood-burning equipment)
- ⑪ Pellet burner
- ⑫ Crucible in cast iron elements
- ⑬ Ignition plug
- ⑭ Drawer for ash collection
- ⑮ Lower auger
- ⑯ Upper auger
- ⑰ Vertical pellet duct inspection compartment
- ⑱ Chain/Sprocket guard
- ⑲ Flexible joint for pellet tank
- ⑳ Deflector maintenance access cover
- ㉑ Spiral heat exchangers
- ㉒ Fuel level sensor (pellet)



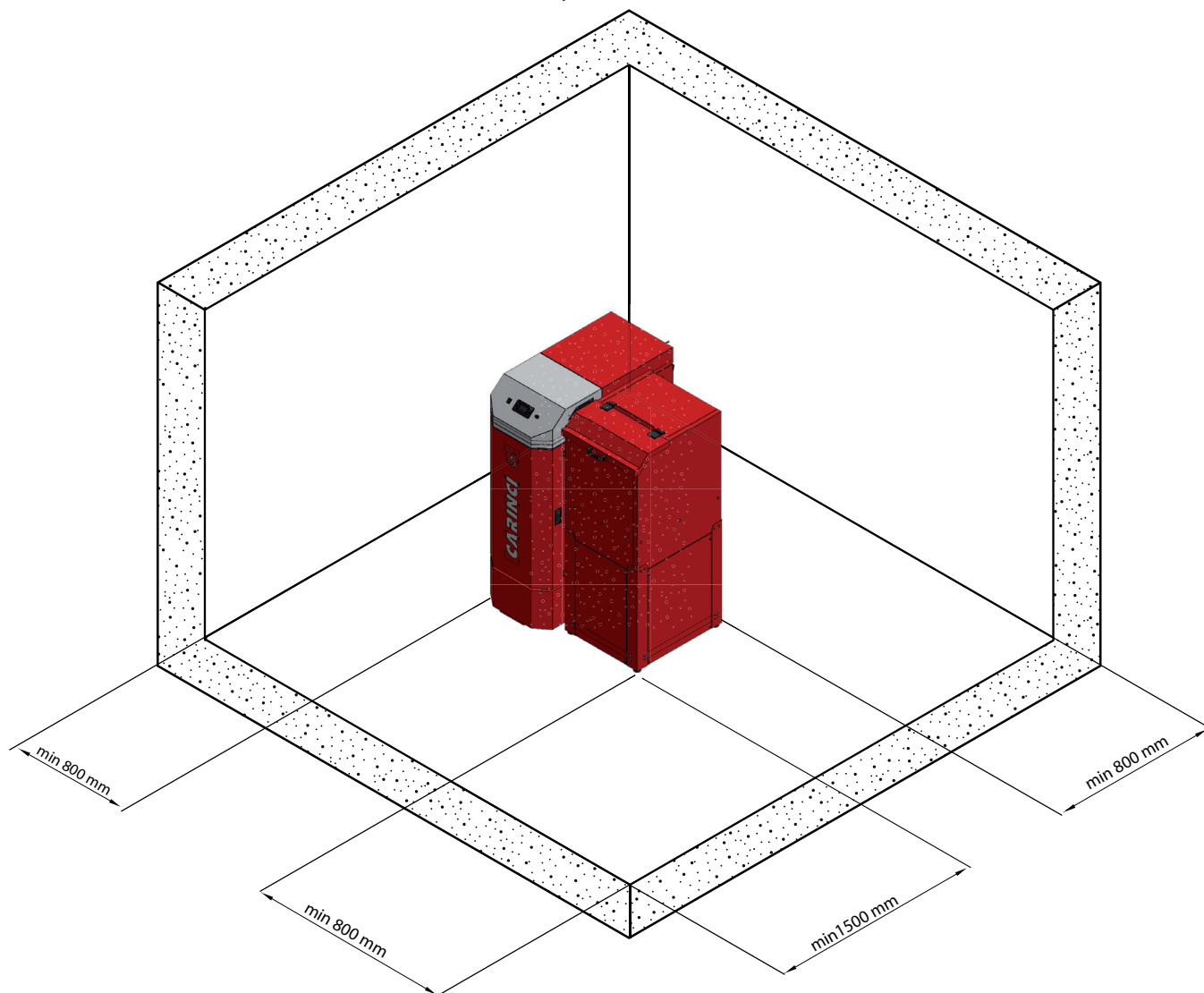
2.0 POSITIONING

Before proceeding with the positioning of the boiler, make sure that the installation room is suitable. It is forbidden to place the generator inside fire risk rooms. The installation of the boiler is allowed only in **a specific room that complies and is compatible with the nature of the equipment itself (technical room).**

ATTENTION!

It is mandatory that the boiler installation room have a support surface (floor slab) with load-bearing capacity suitable to bear the overall weight of the equipment. Should the construction not meet this requirement, take appropriate measures.

Furthermore, the side and rear walls must be made of fireproof materials.



The boiler installation room must be equipped with an adequate air vent as specified in the standard **UNI EN 303-5**. Ensure a pressure difference of 4 Pa or less between the external and internal environment.

The air vent must be:

- Protected by an anti-insect grid;
- made in such a way as to guarantee maintenance;

The ventilation of the installation room can also be obtained through an adjacent room (indirect ventilation) as long as it ensures free flow through the permanent openings communicating with the outside. In these cases, the adjacent room cannot be used as a garage or warehouse for combustible material and, more generally, for any fire risk activity.

 **For the positioning of the PRESTIGE 500 boiler, the room must comply with the requirements of the Ministerial Decree April 12, 1996 and subsequent amendments.**

3.0 FLUE GAS EVACUATION

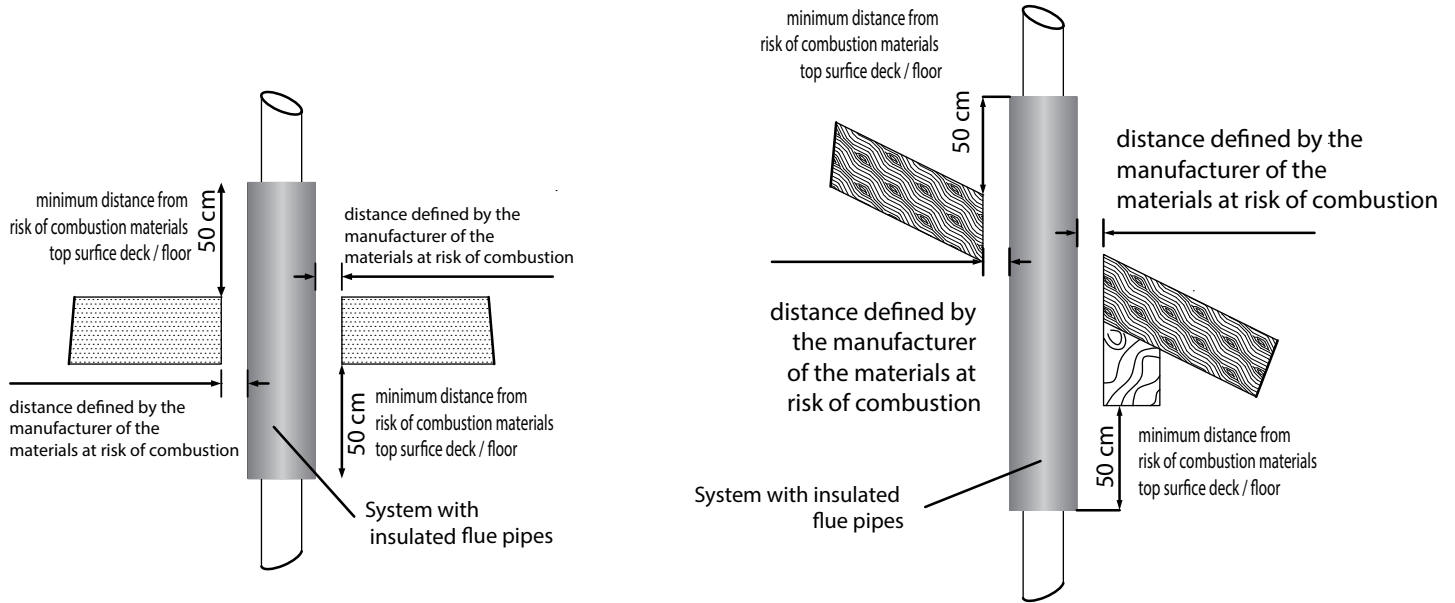
Since the boiler is equipped with combustion fans, it is necessary for the flue gas extraction to be connected to a suitable flue gas exhaust system so as to guarantee a draft (12 ± 2 Pa) and adequate dispersion of the combusted products into the atmosphere. Each appliance must be connected to its own flue gas evacuation system and the discharge must take place exclusively on the roof. As a consequence, direct wall discharge to closed spaces is forbidden even if in the open air.

The use of flexible and extensible metal ducts for connection to the flue gas chimney is not allowed.

The chimney must only receive the exhaust from the flue gas connected to the appliance. Collective flue pipes are not allowed. Consequently, conveyances to other flue pipes, overlying hoods, to cooking appliances of any kind are not allowed, let alone from discharges from other heat generators.

The flue gas duct and the chimney must be connected continuously. The chimney must be used for the exclusive use of the flue gas evacuation. Therefore, other channels and / or pipes for system engineering use are not allowed to pass through it (e.g. various hydraulic pipes, solar pipes, etc.).

Should the chimney cross materials at risk of combustion, it is necessary to respect the distances as shown in the figure below.



At the end of the installation of the chimney, the installer must fill in and fix the label in a visible way.

The components of the flue gas evacuation system must be chosen in relation to the type of appliance to be installed according to the standards:

UNI TS 11278, UNI EN 1856-1 e UNI EN 1856-2, UNI EN 1443, UNI EN 1806, UNI 7129-1/2/3/4, UNI 10683/12.

3.1 GENERAL REQUIREMENTS FOR FLUE GAS DUCTS (reference standard UNI 10683/12 art. 6.5.3)

The flue ducts must comply with the following requirements:

- They must be INSULATED if they pass inside cold rooms or if they are outside the building;
- They must NOT pass through compartmented rooms, with fire hazard, where it is forbidden to install combustion appliances, rooms or spaces that cannot be inspected;
- Allow normal dilation;
- PROHIBITED sections in counter-slope;
- Unless otherwise indicated by the manufacturer, always have a diameter equal to or greater than that of the appliance's flue gas outlet;
- Any changes in section / diameter, both increasing and decreasing, are only allowed at the entrance of the smoke chimney, in particular the diameter reductions must be of the conical type;
- Limit the formation of condensation and avoid any leakage from the joints;
- It must allow the recovery of soot, be cleanable and inspectable even with access from the equipment itself.

ADDITIONAL REQUIREMENTS forced draft appliances (reference standard UNI 10683/12 art. 6.5.3.3)

Unless otherwise indicated by the manufacturer or by the calculation as per UNI EN 13384-, a maximum of 3 direction deviations are allowed at a maximum of 90 ° (including the connection) with a maximum aerial projection length of 4 meters. In the case of a device with rear output, the change of direction deriving from the rear connection (T or curve) must NOT be counted.

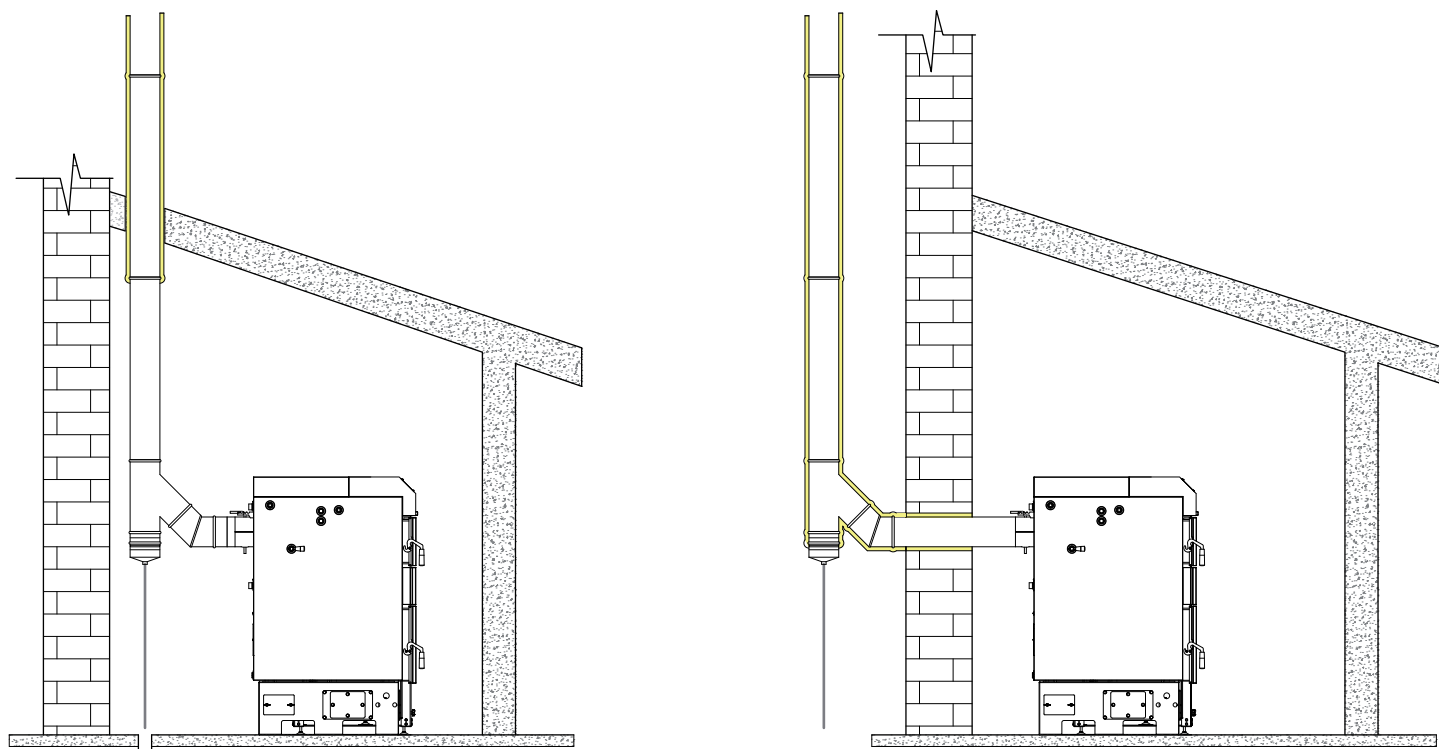
3.2 GENERAL REQUIREMENTS FOR CHIMNEYS (reference standard UNI 10683/12 art. 6.5.4)

The chimneys must comply with the following requirements:

- NATURAL DRAFT depression operation only;
- Preferably circular shape, if square or rectangular with angles having a minimum radius of 20 mm and a ratio between long and short sides up to a maximum of 1.5;
- Designated for the exclusive use for flue gas disposal;
- Mainly VERTICAL tendency;
- Absence of bottlenecks along the entire length;
- Maximum 2 direction changes of max. 45°;
- Draft as required by the appliance, in the absence of indications it must be kept at 12 ± 2 Pa;
- In the case of a wet operation, they must be equipped with a device for draining waste water (condensation, rainwater).

Should the chimneys be outside the building, they must be insulated (see diagram below).

In addition, make sure that the diameter is appropriate for the equipment. For this, follow the instructions given by the manufacturer.



3.2.1 MINIMUM REQUIREMENTS OF THE CHIMNEYS WITH SOLID FUELS

- The chimney temperature class must not be less than the maximum flue gas outlet temperature declared by the manufacturer of the equipment;
- Class G, followed by safety distance XX, is always prescribed for soot fire resistance class;
- If products with **double designation*** (G and O depending on the presence of the sealing gasket) are used, and only for the smoke duct, the minimum distance indicated in the Gxx class must be observed and, in case of soot fire, the initial conditions must be restored.

* = Without gasket T600 N1 W V2 L50040 G 70
With gasket T200 P1 W V2 L50040 G 20

3.3 CHIMNEY POT (reference standard UNI 10683/12 art. 6.5.6)

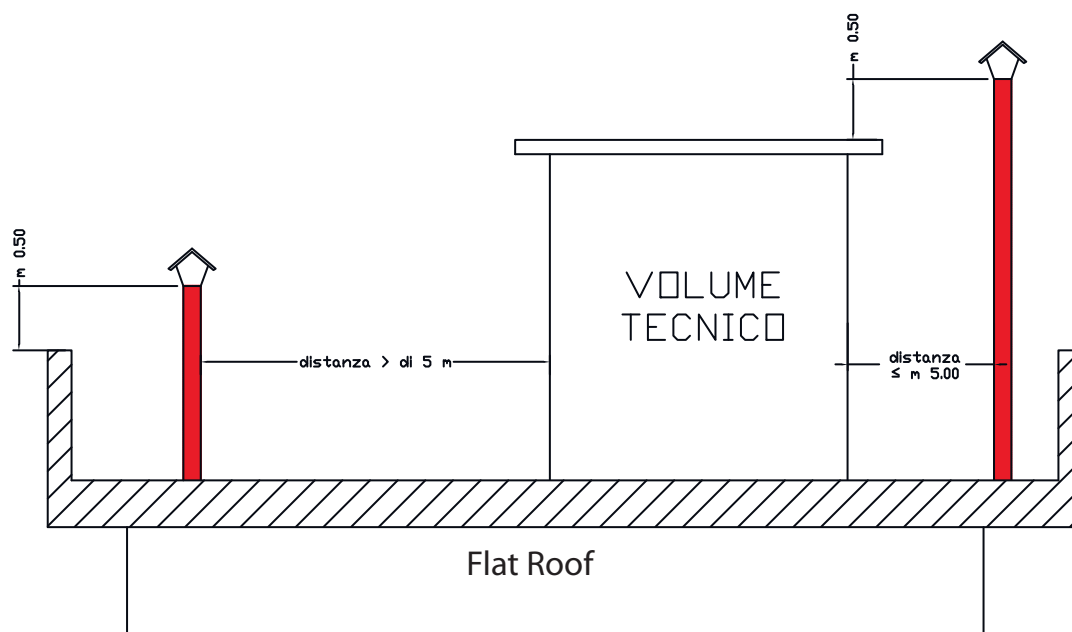
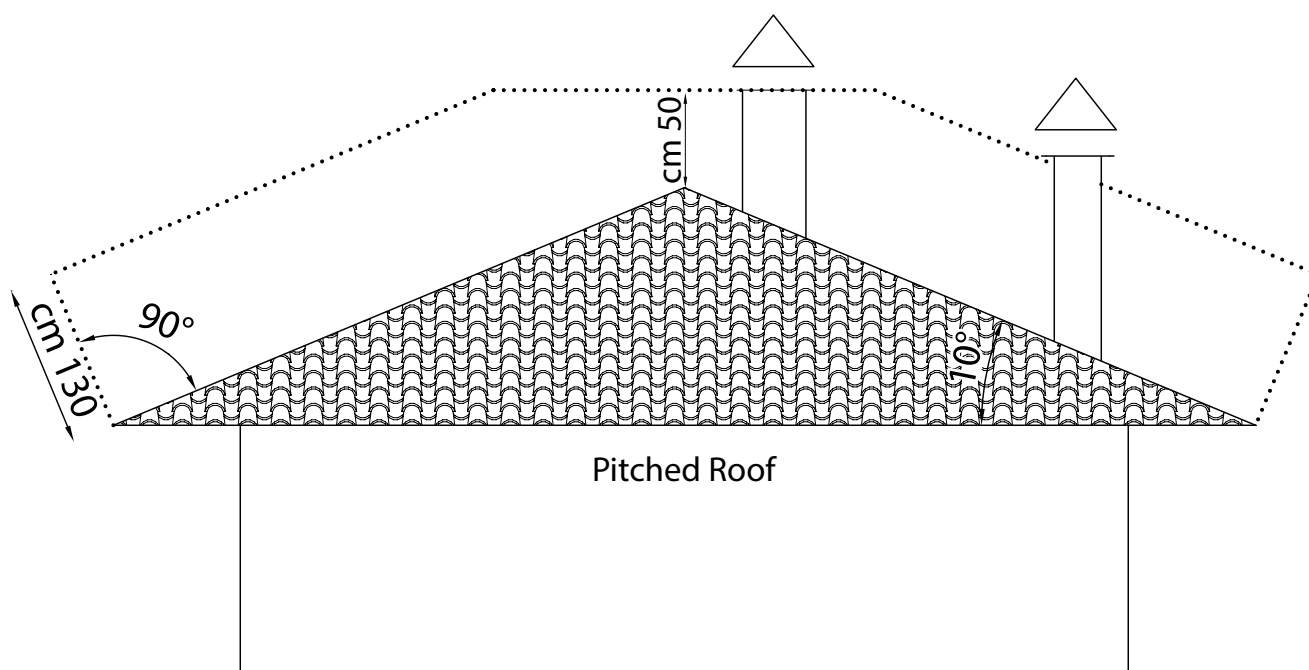
Chimney pots must meet the following requirements:

- Have a useful outlet section no less than double that of the chimney;
- Prevent the penetration into the chimney of rain, snow and foreign objects/bodies;
- Windproof function;
- Away from reflux areas;
- Free of mechanical suction aids.

3.4 THE OUTLET QUOTA OF THE FLUE PIPE (reference standard UNI 10683/12 art. 6.5.8 e 6.5.9.5)

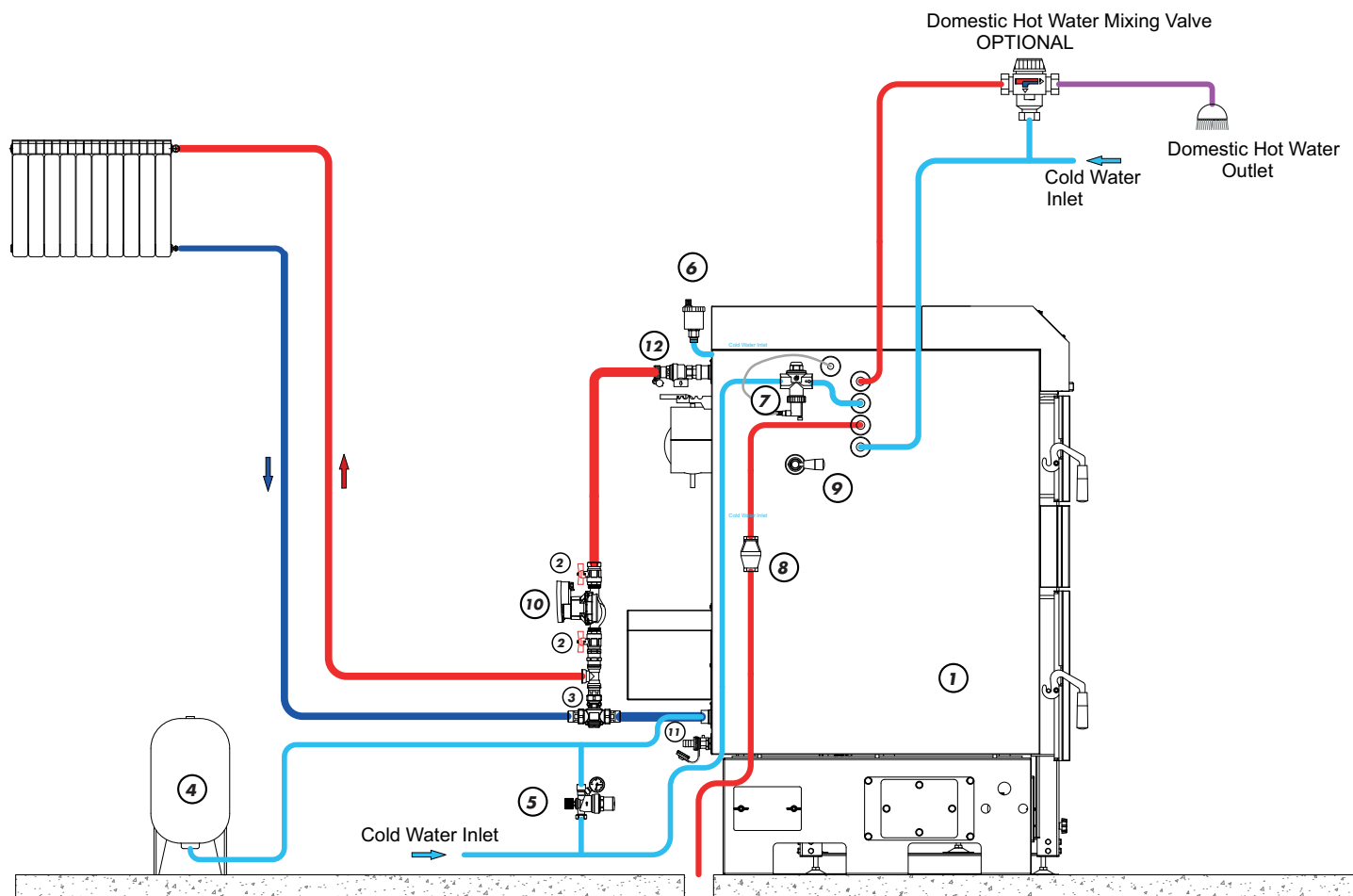
The outlet quota is determined by measuring the minimum height between the roof covering and the lower point of the section for the emission of flue gas into the atmosphere; this quota must be outside the reflux area and at an adequate distance from obstacles that prevent or make it difficult to evacuate the gases produced by combustion or from openings or accessible areas. The outlet quota must be outside the reflux area as shown in the figure below.

The outlet of a chimney / ducted system must not be near obstacles that could create turbulence areas and / or hinder the correct evacuation of the combustion products. In addition, it is advisable to check for the presence of other chimney pots, skylights and / or dormers.



4.0 BOILER HYDRAULIC CONNECTION - HEATING SYSTEM

Hydraulic connection example of the Boiler PRESTIGE 270 and PRESTIGE 350 to the heating circuit



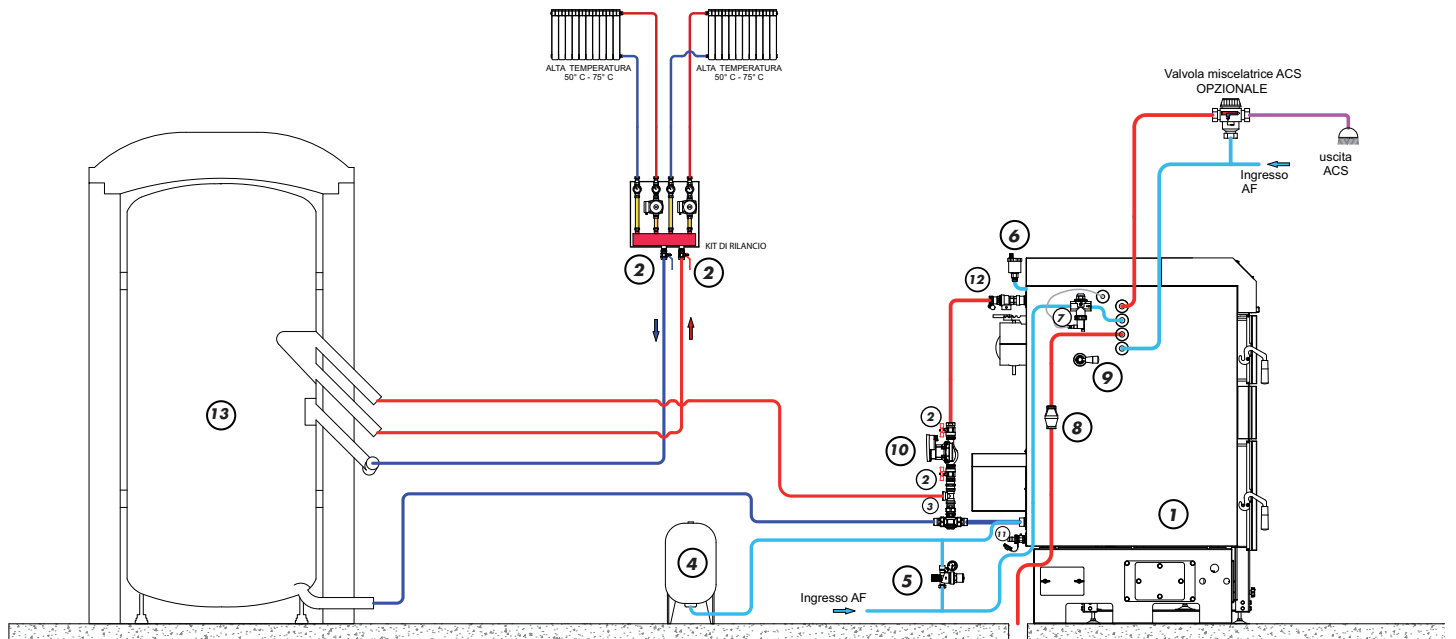
Legend:

- | | |
|---------------------------------------|-----------------------------|
| ① Boiler | ⑧ Drain funnel |
| ② Ball shut-off valve | ⑨ Flue valve lever |
| ③ Anti-condensation valve | ⑩ Circulator |
| ④ Expansion tank | ⑪ Exhaust valve |
| ⑤ Automatic filling group | ⑫ Safety valve |
| ⑥ Automatic vent disconnecter (jolly) | ⑮ Domestic Hot Water Outlet |
| ⑦ Heat discharge safety valve | ⑯ Domestic Cold Water Inlet |

Note: The above diagrams are purely indicative and do not replace the design in any way.

4.1 HYDRAULIC CONNECTIONS

Hydraulic connection example of the Boiler PRESTIGE 270 and PRESTIGE 350 to the Puffer and to Heating System

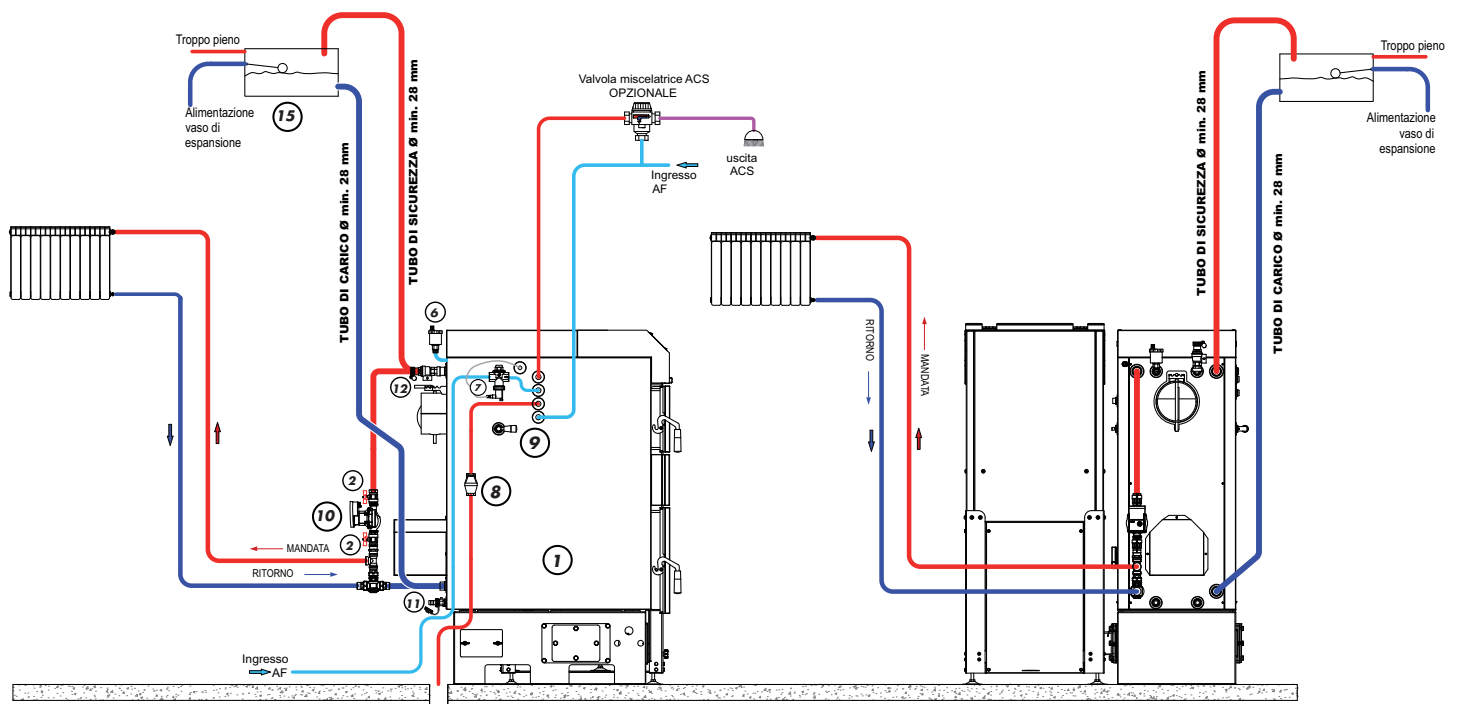


Note: The above diagrams are purely indicative and do not replace the design in any way.

Legend:

- | | |
|---------------------------------------|-----------------------|
| ① Boiler | ⑧ Drain funnel |
| ② Ball shut-off valve | ⑨ Flue valve lever |
| ③ Anti-condensation valve | ⑩ Circulator |
| ④ Expansion tank | ⑪ Exhaust valve |
| ⑤ Automatic filling group | ⑫ Safety valve |
| ⑥ Automatic vent disconnecter (jolly) | ⑬ Puffer |
| ⑦ Heat discharge safety valve | ⑮ Open expansion tank |

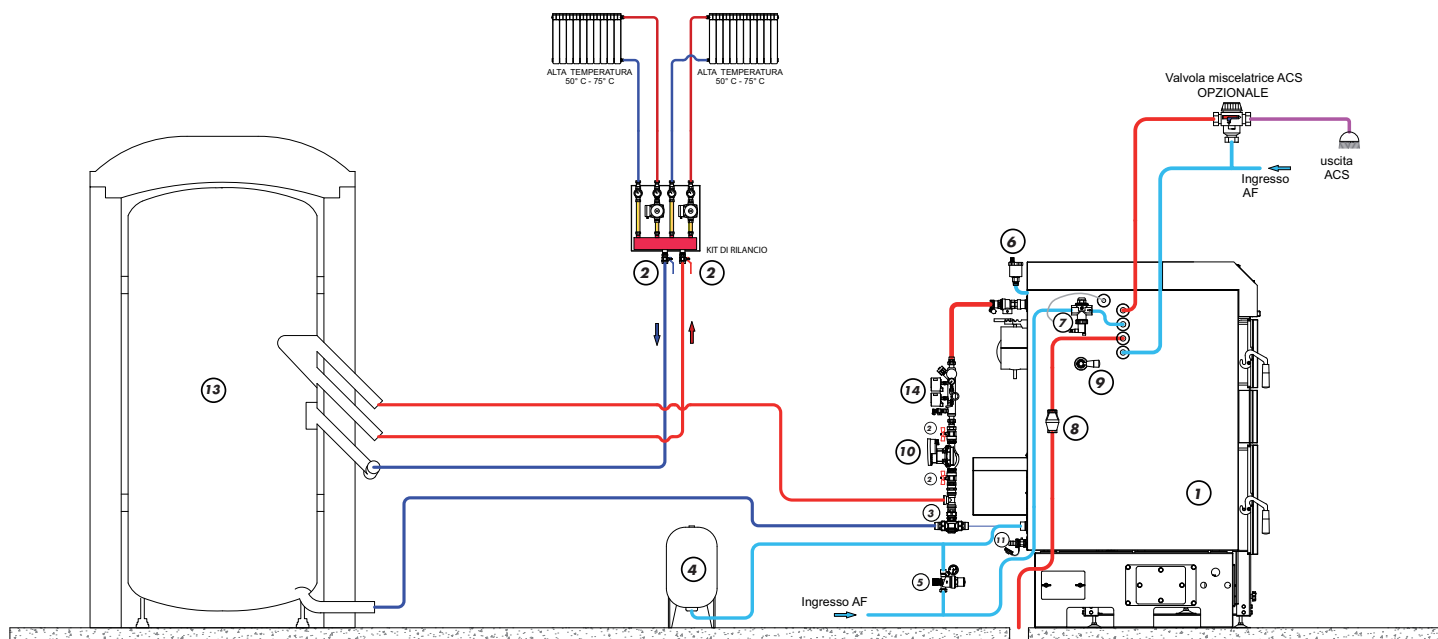
Hydraulic connection example of the Boiler PRESTIGE 270 and PRESTIGE 350 with an open vase.



Note: The above diagrams are purely indicative and do not replace the design in any way.

4.2 HYDRAULIC CONNECTION WITH SAFETY DEVICE (INAIL)

Hydraulic connection example of the Boiler with power greater than 35 kW and with INAIL safety device



Note: The above diagrams are purely indicative and do not replace the design in any way.

Legend:

- | | |
|---------------------------------------|--|
| ① Boiler | ⑧ Drain funnel |
| ② Ball shut-off valve | ⑨ Flue valve lever |
| ③ Anti-condensation valve | ⑩ Circulator |
| ④ Expansion tank | ⑪ Exhaust valve |
| ⑤ Automatic filling group | ⑫ Safety valve |
| ⑥ Automatic vent disconnecter (jolly) | ⑬ Puffer |
| ⑦ Heat discharge safety valve | ⑭ Instrument manifolds and INAIL accessories |

 **ATTENTION!**

INAIL SAFETY (EX ISPEL)

It is mandatory for heating systems using hot water under pressure with a temperature not exceeding 110 °C, and a maximum single or total rated power of the generators greater than 35 kW, to install all the safety devices as provided for in **Art. 18 of D.M. 12-12-1975** (safety standards for appliances containing hot liquids under pressure).

4.3 HYDRAULIC SAFETY DEVICES

Installation, connections to the system, placing in service and verification of correct operation must be carried out in a workmanlike manner, in compliance with current national, regional and municipal regulations, as well as with the instructions given in the following user operating manual.

Installation must be performed by qualified personnel (as per DM 22 gennaio 2008 n° 37).

For thermal safety, the appliance is equipped with a heat exchanger, inserted in the boiler body, with the function of eliminating excess heat produced by means of a flow of water entering the aqueduct and flowing into a drain controlled and activated by a **thermal discharge valve that must be installed on the appliance.**

The Manufacturer declines any responsibility for damages to things, people and / or animals caused by the system.

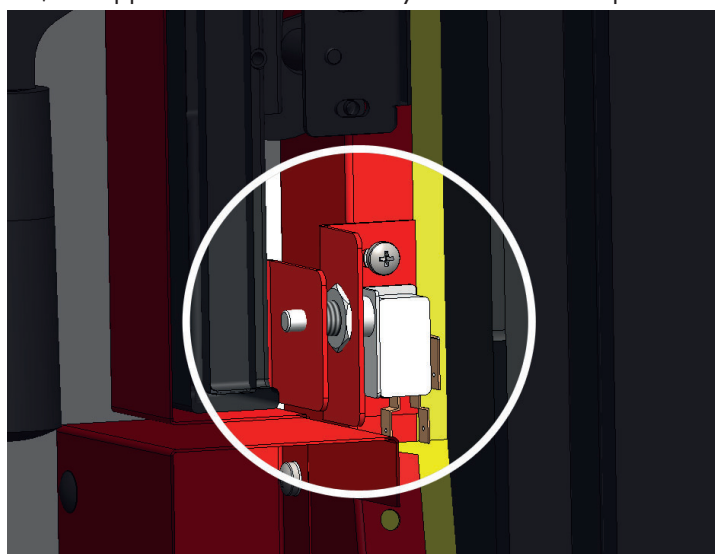
4.4 REQUIREMENTS FOR CLOSED CIRCUIT SYSTEMS

- According to the norm UNI 10412-2 (2009) in force in Italy, closed systems must be equipped with:
- safety valve;
- circulator control thermostat;
- audible alarm activation thermostat;
- temperature gauge;
- pressure gauge;
- acoustic alarm;
- automatic regulation thermal switch managed by the board program;
- automatic thermal break switch;
- circulation system;
- expansion system;
- STANDBY / PUMP LOCK safety system provides for the automatic activation of the system circulator for the disposal of excess heat when reaching a temperature above average, therefore the free circulation of the fluid on a part of the heating system is mandatory;
- safety dissipation system incorporated in the generator with thermal discharge valve (self-operated), if the appliance is not equipped with a self-regulation system for the temperature.

The PRESTIGE boiler has been designed and built for operation with closed vase systems.

4.5 DOOR OPENING SAFETY

The appliance is equipped with safety switches that intervene if one of the doors is opened, stopping the fuel / comburent mixture supply. When the doors are closed, the appliance will automatically resume normal operation.



4.6 ADJUSTMENT ON THE HEATING CIRCUIT

A good regulation on the heating system is necessary by acting on the adjustment of the circulator flow rate and on the regulation of the individual distribution circuits. Adjust the following:

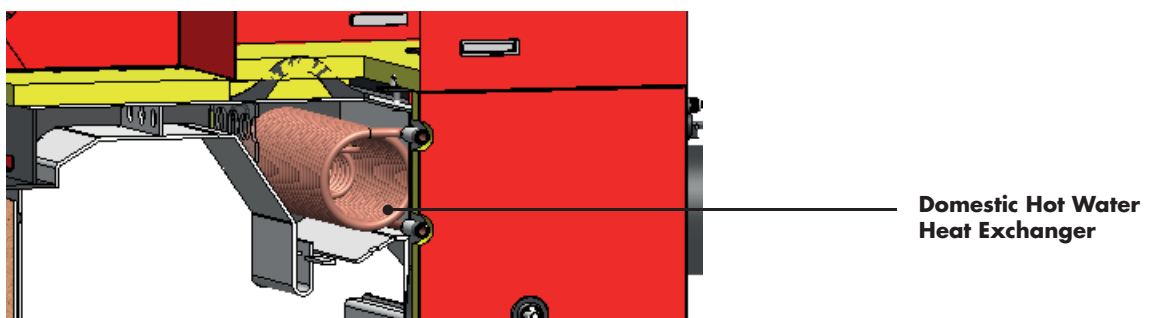
- The circulator flow rate must be adequate in relation to the capacity and pressure drops of the system. Adjust using the flow control knob.

- Adjust the flow rate on the individual radiating elements (in the case of convection-type distribution) by acting on the lockshield regulating screw starting from the closest elements. In case of radiant distribution, adjust the valves of the individual circuits.



4.7 DOMESTIC HOT WATER HEAT EXCHANGER

The appliance is equipped with a copper exchanger immersed in the boiler body for the instantaneous production of domestic hot water. Should this exchanger be used for the production of hot water, it is necessary to install two TEEs with removable caps at the inlet and outlet of the exchanger for possible chemical washing.



ATTENTION!

It is strictly forbidden to install shut-off valves on the domestic hot water pipe and it is mandatory to install a thermostatic mixer at the outlet of the domestic hot water to avoid excessive temperatures coming out of the taps with risk of burns.

5.0 PELLET LOADING

To load the pellet tank, follow the instructions hereafter:

- Make sure that the plastic bag never comes in contact with the metal parts;
- Open the lid of the tank;
- Collect the pellets from the bag using a scoop;
- Introduce the pellets in the tank.

ATTENTION!

Only use pellets that comply with the reference standards:

- EN plus - UNI EN 16961-2 class A1 or A2
- Ö-norm M 7135
- DIN plus 51731

The use of poor quality pellets or any other material can damage the functions of the generator, thus causing the termination of the warranty and the direct responsibility of Carinci Group S.p.A.

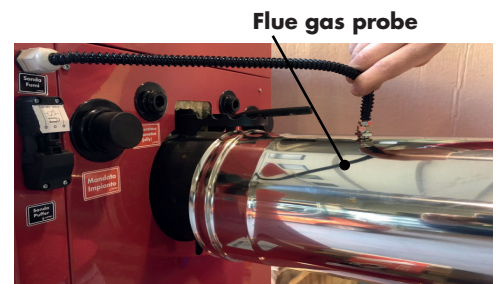
To ensure trouble-free combustion, we recommend that the pellets be stored in a dry place.

6.0 TO START THE EQUIPMENT

Before performing the Placing into Service of the appliance, it is necessary to complete the plumbing, the electrical connections and the flue gas evacuation system. After having correctly installed the equipment, the Placing into Service of the Boiler can be executed but only by a **CARINCI Technical Assistance Center (T.A.C.)**, that, before starting the ignition, check the correct positioning and installation of the generator so as to proceed in safety. Furthermore, the Carinci technician must receive the **Declaration of System Compliance** issued by the installer and also:

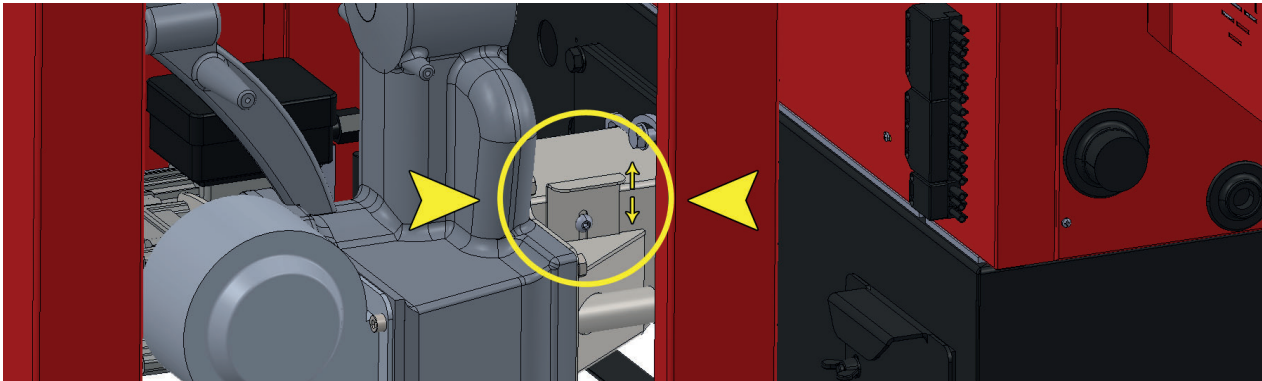
- Photographic copy of the chimney plate/label;
- User manual or booklet of the system (where applicable).

T.A.C. reserve the right to not proceed with the Placing into Service of the Boiler should the safety conditions be deemed inadequate due to incorrect installation of the generator or of the flue gas evacuation system.



Adjustments:

Make sure that the guillotine valve has an opening of approximately 50% of its stroke so as to guarantee the correct supply of combustion air to the ignition electrode. In the event that the comburent air is not sufficient, adjust the guillotine by lowering it downwards, while, if there is too much air, raise the guillotine upwards.

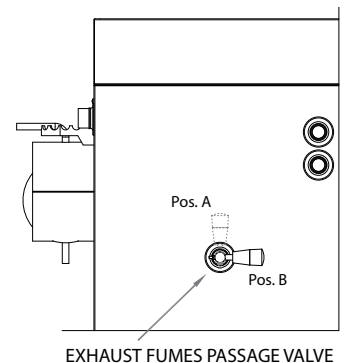


With regard to the adjustment of the boiler operating parameters, refer to the dedicated section (paragraph 9).

7.0 WOOD OPERATION (only for appliances operating exclusively with wood)

For wood-burning appliances:

- Make sure the electronic adjustment is in the WOOD mode;
- Make sure that the wood support grill is inserted;
- Position the lever of the flue gas valve in the "wood start" POSITION A for a period of about 10 minutes to facilitate ignition and avoid excessive smoke in the combustion chamber;
- Proceed to load the wood through the upper door, then, through the lower door, proceed with the ignition of a minimum amount of wood to trigger combustion;
- When ignition is complete, position the smoke valve lever in the "normal use" POSITION B;
- The insertion of any foreign element inside the combustion chamber is prohibited;
- Do not obstruct the burner in any way during operation.



ATTENTION!

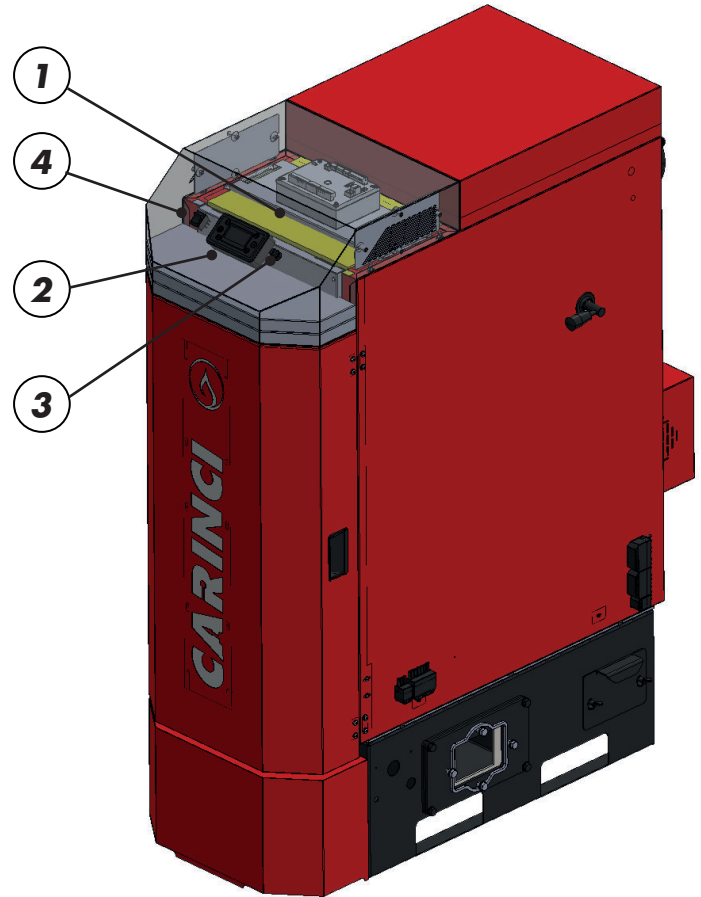
Before opening the upper door for loading, make sure that the lower door is closed.

7.1 PELLET OPERATION (only for appliances operating exclusively with pellets)

For pellet-burning appliances:

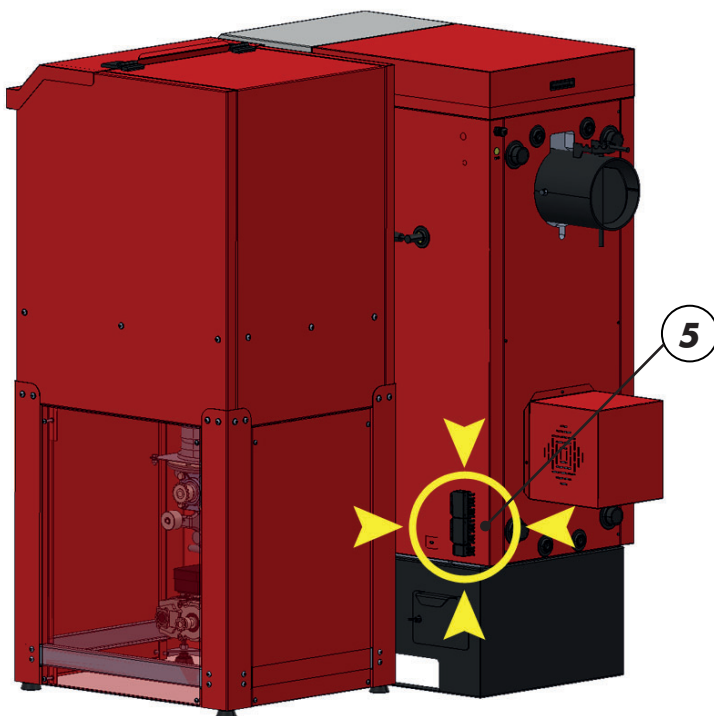
- Make sure that the electronic regulation of the appliance is in PELLET mode.
- Make sure that the smoke valve lever is in the normal use POSITION B.
- Remove the wood support grid inside the combustion chamber.
- Fill the burner only if necessary by manually operating the pellet feeding mechanism (auger) up to the crucible level.
- The insertion of any foreign element inside the combustion chamber is prohibited.
- Then proceed with switching on the equipment.
- Make sure that, during operation, the level of the pellet in the crucible constantly burns flush with the upper part of the crucible.

8.0 ELECTRICAL CONNECTIONS

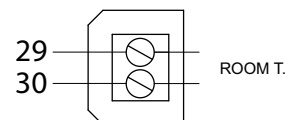
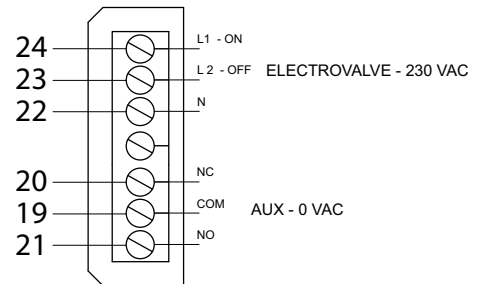
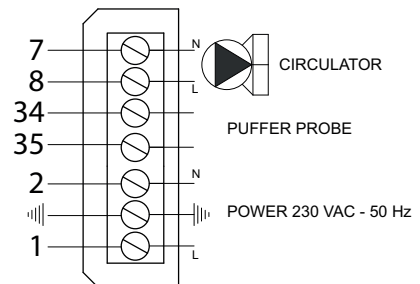


Legend:

1. Control unit
2. Display panel
3. Manual reset thermostat
4. Switch
5. Positioning of terminal board



TERMINAL BOARD



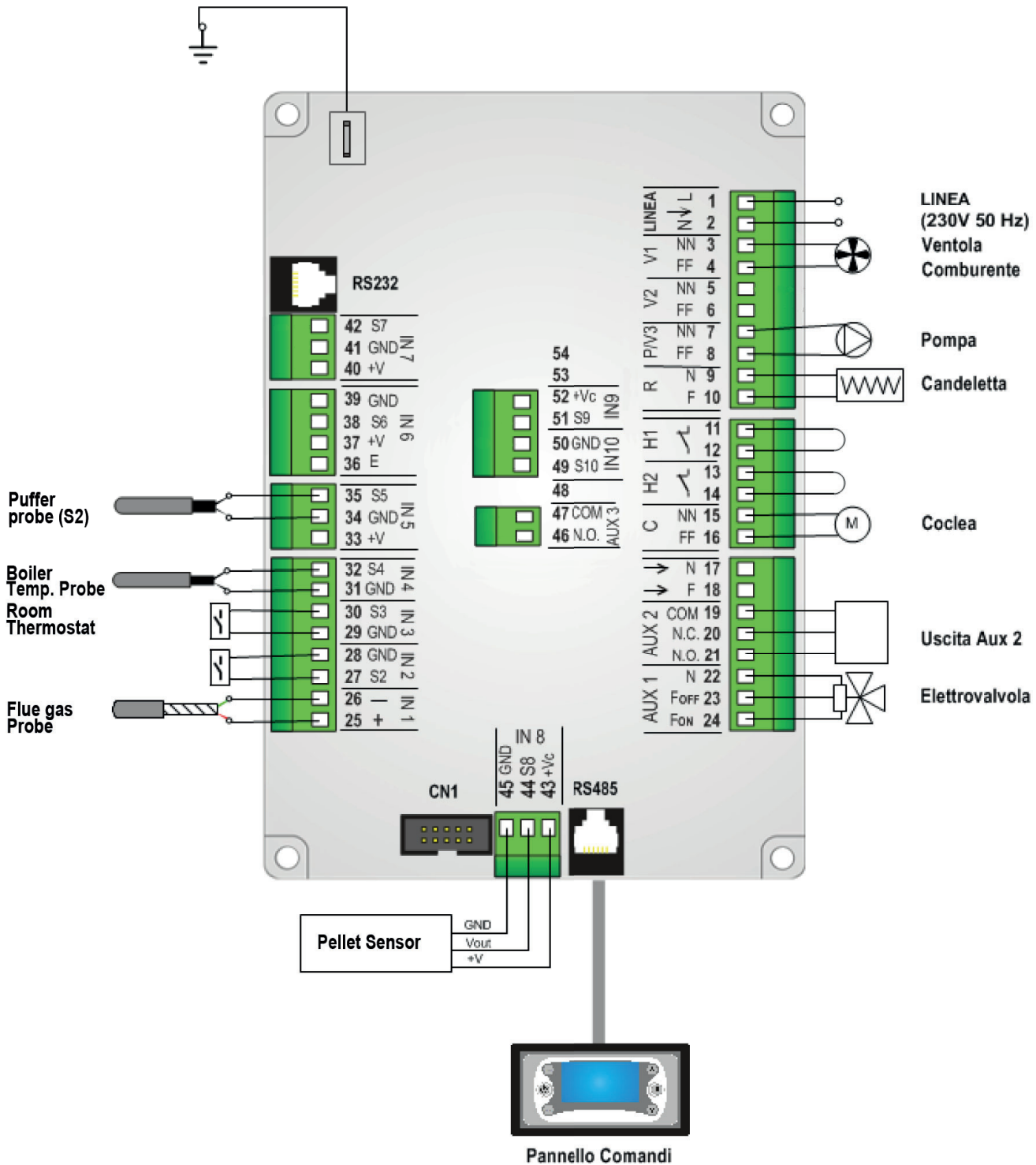
8.1 ELECTRICAL CONNECTIONS DIAGRAM



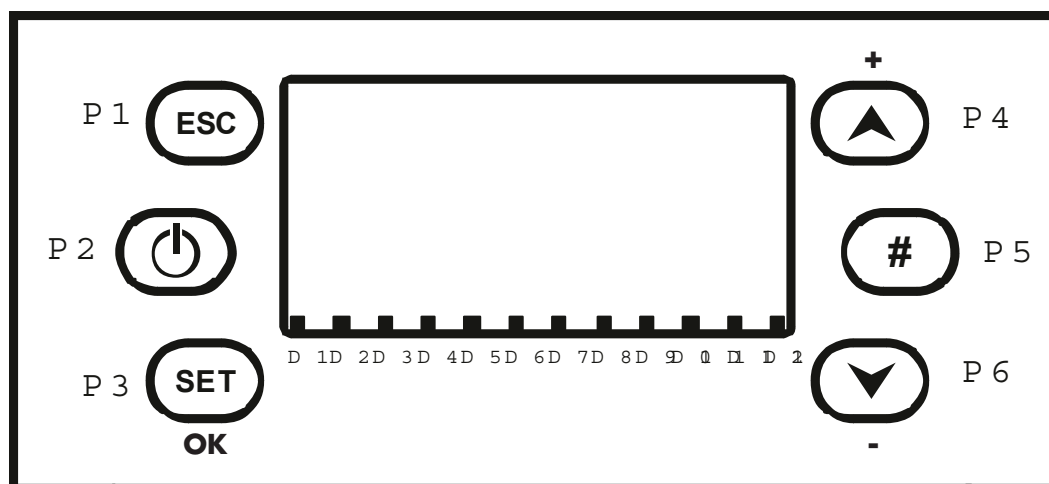
ATTENTION!

All electrical connections must be made by authorized and specialized personnel.

Check the correct power supply voltage (230 VAC - 50 Hz) before connecting the equipment to the power supply.



9.0 DISPLAY PANEL CARINCI MB 250 CONTROL BOARD



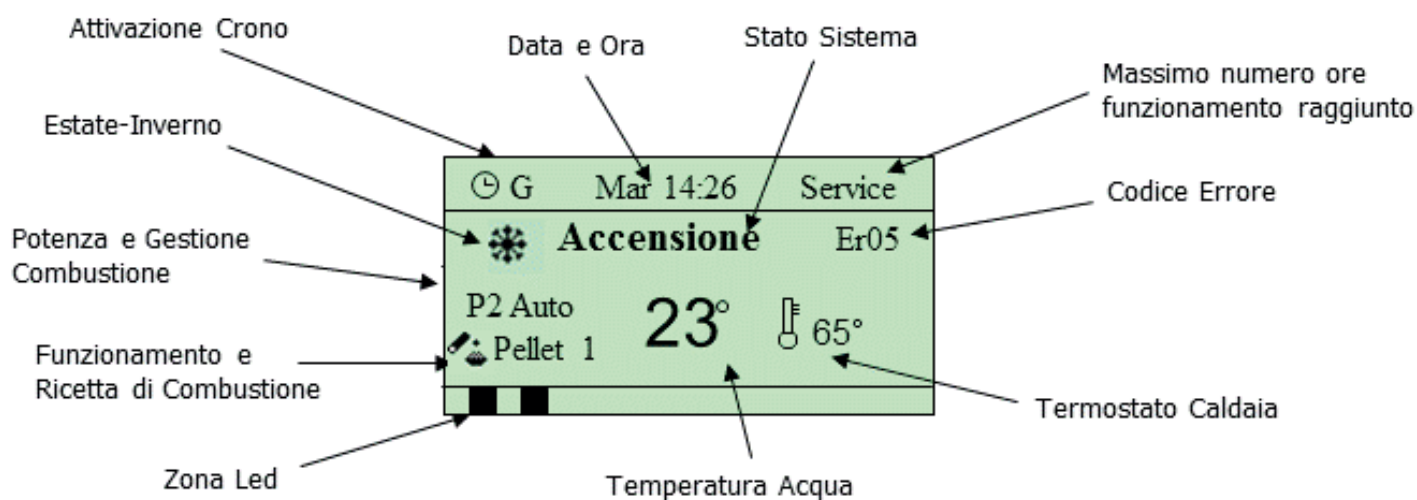
KEYS

Function	Description	Key
ON/OFF	Switch on and off by pressing the key for 3 seconds until the acoustic signal is activated	P2
UNLOCK	Unlock the system by pressing the key for 3 seconds, until the acoustic signal is activated	P2
EDIT INFO VALUES MENU	Change the values of the info in Menu	P4
SCROLL OF MENU AND SUBMENU	In Menu scrolls through the Menus and Sub-menus	P6
VIEWS	Enter and scroll in the Views Menu	P6
EXIT	Exit function from a Menu or Submenu	P1
MENU	To enter a Menu or in the Submenus	P3
EDIT	Enter into edit mode in the Menus	P3
SET	Saving data in Menu	P3
RESET CLEANING FUNCTION	Timer reset	P5
OPERATING MODE	Only in OFF mode allows to modify the operating mode PELLET - WOOD - COMBI	P5

LED

Function	Description	Key
GLOW PLUG	LED ON: Glow plug lit	L1
AUGER	LED ON: Auger active	L2
PUMP	LED ON: Pump active	L3
VALVE	LED ON: Valve active	L4
V2 OUTPUT	LED ON: Output V2 active	L5
Aux2 OUTPUT	LED ON: Output Aux2 active	L6
Aux3 OUTPUT	LED ON: Output Aux3 active	L9
PELLET LEVEL	LED ON: The sensor signals a lack of fuel	L10
CHRONO THERMOSTAT	LED ON: Open contact	L11
FLOW SWITCH	LED ON: Domestic hot water request in progress (contact closed)	L12

9.1 DISPLAY



Info displayed on the main screen:

- Date and Time
- Chrono activation mode (G–Daily, S–Weekly, FS–Weekend)
- Power
- Automatic/Manual Combustion
- Combustion formulas
- Combined Operation
- Mode
- Summer/Winter
- Operating status of the system
- Error code occurred
- Thermostat value
- Boiler
- Temperature read by the boiler probe

Operating states displayed:

- Check Up
- Power on
- Stabilization
- Modulation
- Standby
- Normal
- Safety
- Shut down
- Ignition Recovery
- Block
- Turned off

9.2 MENU

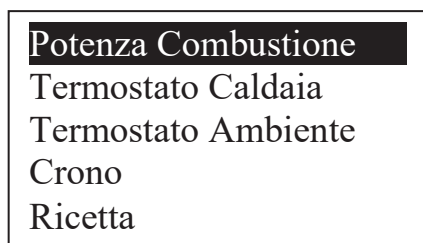
The electronic regulation used on the appliance is the same, both for wood operating and pellet operating.

Consequently, depending on the equipment, use only the specific referenced menu.

The Menu of the control panel consists of a User Menu which allows the end user to operate the system according to his needs and a Technical Menu in which the manufacturer can modify the operating parameters, carry out the operation of the outputs, check the system operation history.

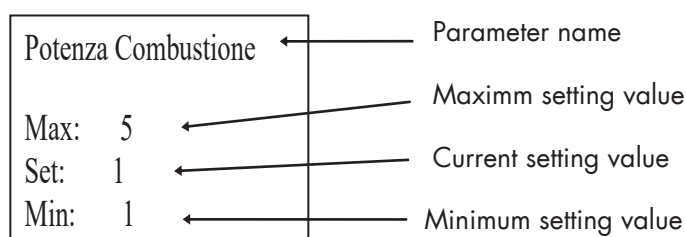
9.2.1 MENU OPERATIONS

Press the P3 key to open the first menu screen, consisting of the User Menu.



Using the P4 and P6 keys, the desired Menu item can be highlighted.

Press the P3 key to enter the highlighted submenu obtaining the list of submenus or the setting of the selected parameter (in this case Combustion Power).



The setting menu consists of the name of the parameter (first and second line), the minimum, the maximum and the current value ("Set").

Press the P3 key again to enter edit mode (the "Set" field flashes); use the P4 and P6 keys to increase or decrease the value:

With the P3 key, the set value is stored, with P1 the operation is canceled and the value prior to the operation is restored. The new parameter value is then sent to the boiler: if the transmission fails (interference in the transmission cable), a message like this appears:

TRANSFER
FAILED

In this case, retry the modification of the parameter.

9.3 COMBUSTION MANAGEMENT MENU

Menu to modify the system combustion parameters. It consists of a few submenus.



9.3.1 OPERATION

Menu that allows you to change the operation of the system, i.e. to switch from Wood to Pellet and vice versa.



9.3.2 PELLET POWER

Menu that allows you to set the combustion management system in Pellet mode. It is possible to choose between automatic and manual mode (in this case you can set the power).

Combustion	Description
1 ÷ 5	Manual adjustment of the power from 1 to 5 (modify with keys P4 or P6, to confirm press P3)
Auto	Power adjusted automatically by the system

9.3.3 WOOD POWER (only for appliances operating exclusively with wood)

Menu that allows you to set the combustion management system in Pellet mode. It is possible to choose between automatic and manual mode (in this case you can set the power).

Combustion	Description
1 ÷ 5	Manual adjustment of the power from 1 to 5 (modify with keys P4 or P6, to confirm press P3)
Auto	Power adjusted automatically by the system

9.3.4 PELLET SETTINGS

Menu to select the combustion setting in Pellet mode.

Combustion	Description
1 ÷ 5	Manual adjustment of the power from 1 to 5 (modify with keys P4 or P6, to confirm press P3)
Auto	Power adjusted automatically by the system

9.3.5 AUGER CALIBRATION

Menu to change the working time or the auger speed. There are 10 steps available, 5 to increase and 5 to decrease. The 0 value corresponds to the value set in the laboratory. The calibration has an effect on the current setting and for the operating powers of the Normal and Modulation states.

Combustion	Description
- 5 ÷ 5	Manual power adjustment from -5 a +5 (modify with keys P4 or P6, to confirm press P3)

9.4 CHRONO MENU

Menu for setting the system times for turning on and off. The function is only available in pellet operation. The menu consists of two submenus: Mode and Program.

9.4.1 CHRONO MODE

Instructions	Keys	Display
The currently selected mode is highlighted		<div style="border: 1px solid black; padding: 5px;"> Disattivato Giornaliero Settimanale Fine Settimana </div>
Enter edit mode (the cursor highlighting the selected mode flashes)	P3	
Select the desired mode	P4 e P6	
Undo changes and restore the old mode	P1	
Store the new setting	P3	
Exit Menu	P1	

9.4.2 CHRONO PROGRAMMING

Selection of the program	Keys	Display
The currently selected mode is highlighted		<div style="border: 1px solid black; padding: 5px;"> Giornaliero Settimanale Fine Settimana </div>
Enter the submenu	P3	
Select the desired program	P4 e P6	
Exit Menu	P1	

The three types of programming are stored separately: if you adjust the Daily, for example, the other modes do not change. After programming to start the stove or boiler from Chrono, it is necessary to select the desired mode from the Chrono Mode submenu.

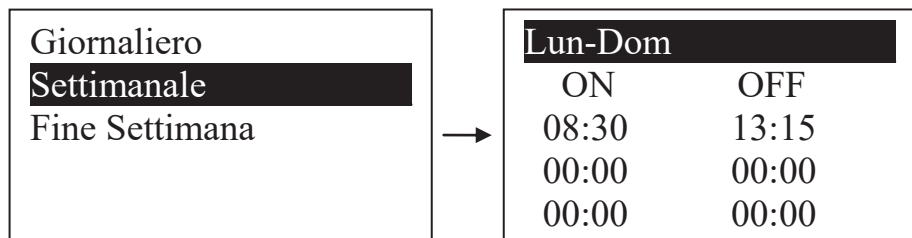
Choose the type of programming you are interested in setting:

- Daily: select the day of the week you want to program (3 on/off bands for each single day). Select a day of the week to see the prospect of the 3 ignitions.

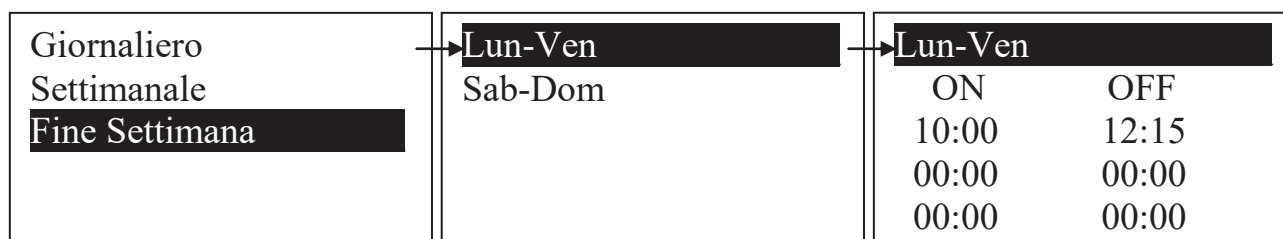


Programming at midnight: set the OFF time to 23:59 for a one day programming band and set the ON time to 00:00 for a programming band of the next day.

- Weekly: the time bands are modified directly (3 time bands for the full week):



- Weekend: you have the choice between the periods "Monday-Friday" and "Saturday-Sunday" (3 bands for the period "Monday-Friday" and 3 for "Saturday-Sunday").



Chrono Programming	Keys
After choosing the preferred program, select the time to be programmed	P4 o P6
Enter edit mode (the selected time flashes)	P3
Change times	P4 o P6
Save the schedule	P3
Enable (a "V" is displayed) or disable the time slot (a "V" is not displayed)	P5
Exit	P1

9.5 MANUAL LOADING MENU

The Menu allows manual loading of the Auger.

Press P3 to enter editing (the cursor flashes). Press P4 and P6 keys to select the activation or deactivation of the Auger.

Press P3 to confirm and P1 to exit.

The system must be in the Off state for the function to be performed.

NOTE: In the case of manual activation of the Auger, the Flue gas Fan output is also activated to close the Pressure Switch contact, thus feeding the Auger.

9.6 DATE AND TIME MENU

Menu that allows you to set the current time and date.

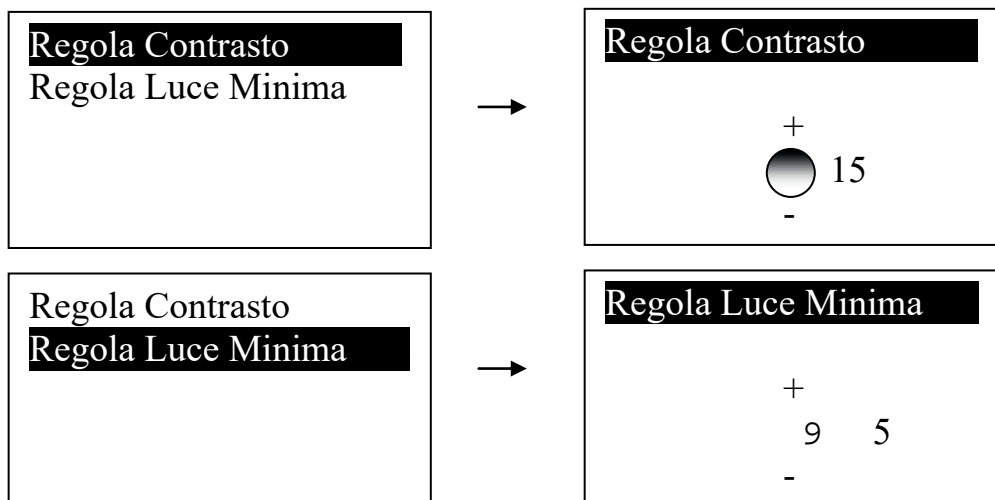
Press P4 and P6 keys to select hours, minutes or day of the week. Press P3 to enter modification (the cursor flashes), P4 and P6 to modify the value of the selected quantity. Press P3 to save the setting and P1 to exit.

9.7 LANGUAGE SELECTION MENU

Menu to change the language of the control panel. The highlighted language is the one currently set.

9.8 CONTRAST AND MINIMUM LIGHT ADJUSTMENT

MENU	DESCRIPTION
Adjust Contrast	Menu to adjust the display contrast
Adjust Minimum Light	Menu to adjust the display light



9.9 ERRORS

Operating states displayed:

All errors send the system in Block mode except for errors Er04 and Er05 which in WOOD mode send the system to safety shutdown.

Code	Description	Reset
Er01	Error High voltage safety 1. It can also intervene with the system off.	1
Er02	Error High voltage safety 2. It can only intervene if the Combustion Fan is active.	-
Er03	Low flue gas temperature shutdown	2
Er04	Overtemperature shutdown	3
Er05	Shutdown for high flue gas temperature	4
Er07	Encoder Error. The error can occur due to the lack of Encoder signal	-
Er08	Encoder Error. The error can occur due to speed adjustment problems	-
Er09	Low water pressure	-
Er10	High water temperature	-
Er11	Clock Error. The error occurs due to problems with the internal clock.	-
Er12	Shutdown for ignition failure	2
Er15	Shutdown due to power failure for more than 50 minutes	-
Er16	Error communication RS485	-
Er17	Air flow adjustment failure	-
Er18	Lack of Pellet	-
Er23	Boiler Probe or Return Boiler Probe or Puffer Probe open	-
Er25	Cleaning motor Brazier broken	-
Er26	Cleaning motor broken	-
Er27	Cleaning motor 2 broken	-
Er34	Depression below the minimum threshold	-
Er35	Depression above the maximum threshold	-
Er39	Flow switch sensor broken	-
Er41	Minimum air flow in Check Up not reached	-
Er42	Maximum air flow exceeded (F40)	-

Other messages

Code	Description	Reset
Sond (Probe)	Display of the temperature probes status. The message is displayed during the Check Up phase and indicates that the temperature read on one or more probes is equal to the minimum or maximum value (depending on the probe considered). Check that the probes are not open (reading of the minimum value of the temperature scale). or in short circuit (reading of the maximum value of the temperature scale).	5
Service	Message indicating that the programmed operating hours have been reached (parameter T66). It is necessary to call for assistance.	-
Pulizia (Cleaning)	Message indicating that the programmed operating hours have been reached (parameter T67). It is necessary to clean the stove or boiler.	-
Blocco Accensione (Ignition Blocked)	Message that appears if the system is not turned off manually during the ignition phase (after Preloading): the system will turn off only when it has reached full capacity.	-
Er20	Grid sensor closed with system in pellet operation	-
Port	Door open	-
Er06	Pellet thermostat open	-
Link Error	No communication between keyboard and control board or program failure - contact T.A.S.	5

RESET Legend:

- 1) Activate the manual reset button, then press the P2 button for 3 seconds until the acoustic signal is heard and the display shows the message UNLOCK SUCCESSFUL. Proceed with restarting the ignition cycle.
- 2) Press the P2 key for 3 seconds until the acoustic signal is heard and the message UNLOCK SUCCESSFUL appears on the display. Proceed with restarting the ignition cycle.
- 3) Wait for the temperature of the water in the boiler to drop, then press the P2 button for 3 seconds until the acoustic signal is heard and the display shows the message UNLOCK SUCCESSFUL. Proceed to restart.
- 4) Wait for the temperature of the water in the boiler to drop, then press the P2 button for 3 seconds until the acoustic signal is heard and the display shows the message UNLOCK SUCCESSFUL. Proceed to restart.
- 5) SERIOUS ANOMALY - Contact the authorized technical assistance service

10.0 MAINTENANCE

For the proper functioning of the equipment, it is essential to perform both recurring cleaning operations and ordinary maintenance activities.

Important Notice: In case of extraordinary maintenance it is advisable to contact the Carinci Group S.p.A. technical service for the appointment of specialized personnel to perform the requested intervention.



ATTENTION!

Before carrying out any type of intervention, make sure that:

- The equipment is electrically disconnected from the power supply;
- The equipment is completely cold in all its parts;
- The ash deposits are completely cold;
- Individual protective devices have been worn (such as gloves, masks, etc.)

During normal use of the appliance, daily cleaning operations are carried out as described in the following paragraph 11.

11.0 CLEANING OF THE GENERATOR

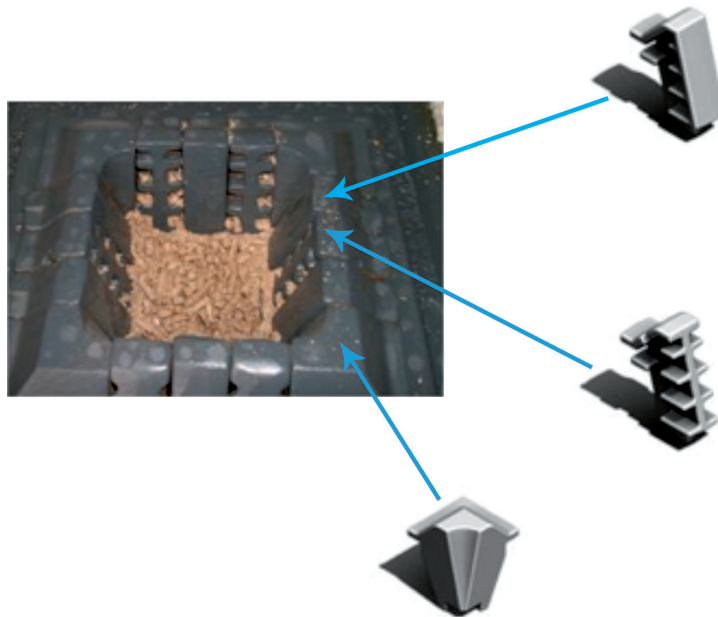
The cleaning of the equipment is divided into the following phases:

- Cleaning the burner and crucible;
- Cleaning the combustion chamber;
- Cleaning the ash collection drawer;
- Cleaning of the finned deflectors;
- Inspection and cleaning of the flue gas duct.

Cleaning of the burner and crucible

Clean regularly in the crucible area by carefully removing all deposits of combustion residues. Should there be any incrustations, it is necessary to remove them in order to ensure proper operation of the equipment.

To clean the burner, first remove the residues of the unburned pellet, then remove the cast iron elements that form the crucible by first extracting the central ones and then those at the corners (identified in the figure below). Carry out the complete cleaning of the burner and make sure that there are no obstructions in the supply duct.



Reassemble the crucible by reinserting all the cast iron elements following the reverse procedure.

Cleaning of the combustion chamber

Given that the deposits in the combustion chamber are the effect of the type of fuel used and the way the equipment is operated, it is necessary to periodically check the cleanliness of the combustion chamber. Should incrustations be detected, it is necessary to remove them by scraping and manual mechanical brushing of the walls.

Cleaning of the ash collection drawer

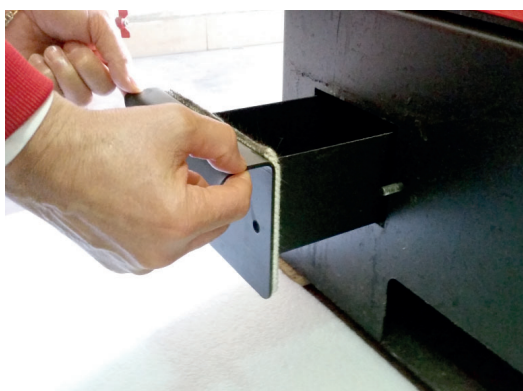
To perform this operation, it is necessary to remove the ash collection drawer from the housing located at the base of the appliance as shown in the figure.



Phase 1 - Remove the 2 sealing butterfly screws



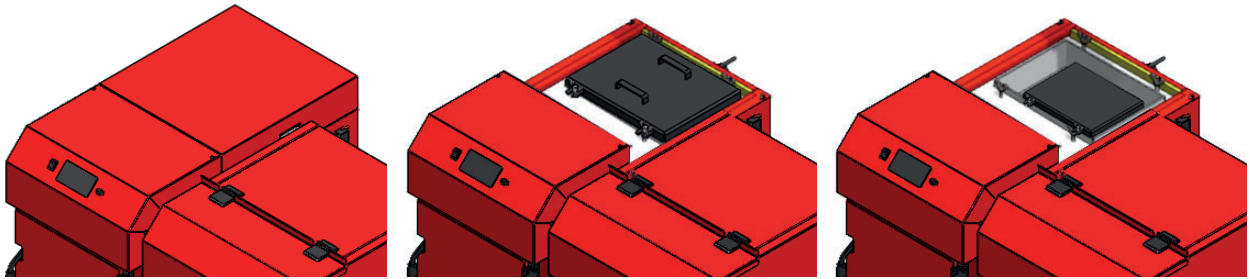
Phase 2 - Remove the drawer and empty it into a suitable container. Furthermore, make sure that the housing compartment is clear of residues, otherwise clean it with the aid of a suitable scraper.



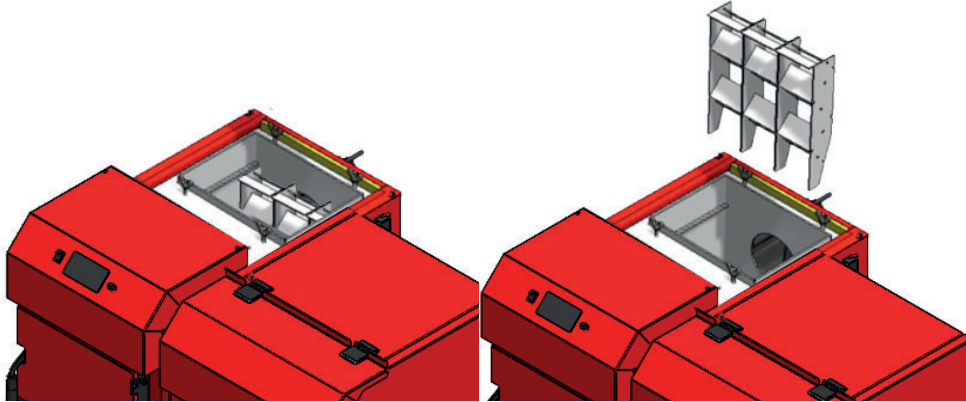
Phase 3 - Reposition the drawer, tighten the 2 butterfly screws correctly, making sure of the seal.

Cleaning of the finned deflectors

Phase 1 - To clean the finned deflectors, it is necessary to remove the upper casing of the boiler by pulling it upwards, then unscrew the 4 butterfly nuts and remove the inspection door. Proceed with the removal of the housing door of the finned deflectors.



Phase 2 - Then remove the deflectors located inside the flue passage duct and clean them only by scraping and manual mechanical brushing. The use of any type of detergent, aggressive or corrosive solvents is prohibited.



Phase 3 - Carefully clean the deflector housing compartment, removing all deposits and incrustations, in order to use the same procedure performed for cleaning the deflectors.

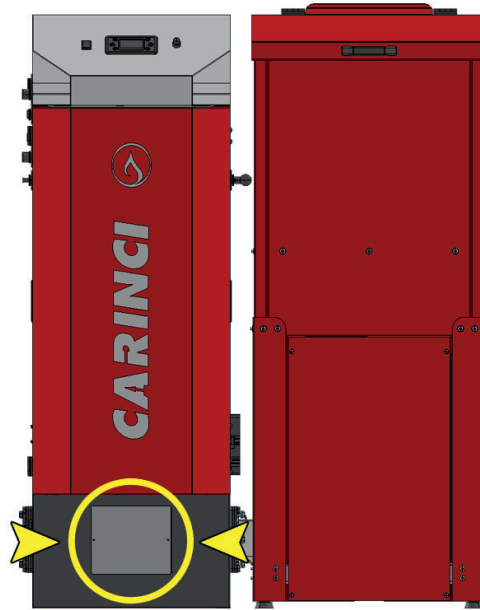
At the end of the cleaning process, re-insert the deflectors inside the compartment, reposition the inspection door and secure it with the 4 butterfly screws, making sure of the correct tightening, finally proceed with the repositioning of the top cover.

Inspection and cleaning of the flue gas duct

It is necessary to inspect periodically the "T" fitting placed on the flue gas duct by removing the airtight plug, unload any ashes and carefully replace the cap with the gasket.

12.0 REPLACEMENT OF THE IGNITION PLUG

The glow plug for ignition of the fuel is located inside a compartment positioned at the base of the appliance as shown in the figure below.



If replacement is necessary, carry out the following operations:

ATTENTION!

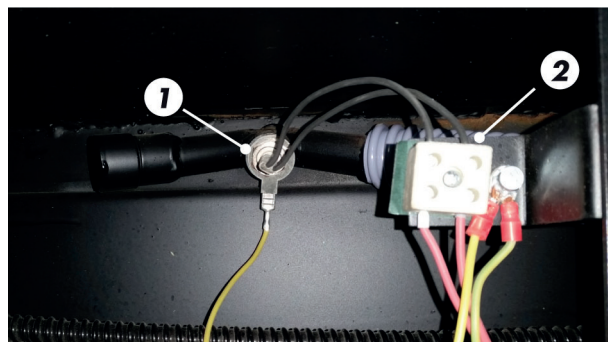
Before carrying out any type of intervention, make sure that:

- The equipment is electrically disconnected from the power supply;
- The equipment is completely cold in all its parts;
- The ash deposits are completely cold.

Remove the protective door by unscrewing the 2 fixing screws



Proceed by disconnecting the electrical connection of the glow plug.



Unscrew the glow plug, remove and replace.

Once the glow plug has been replaced, proceed to the electrical reconnection of the glow plug and to close the compartment by tightening the screws securing the door.

13.0 TO CHANGE THE POSITION OF THE PELLET FEEDING SYSTEM

The appliance is supplied with the pellet feeding system on the side requested at the time of the order. However, should it be necessary to move the pellet feeding system to the other side, it is necessary to follow the procedure as described hereafter.

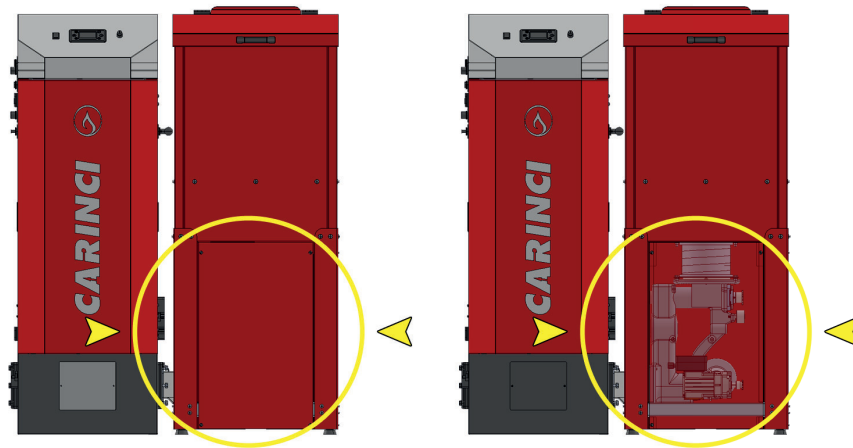


ATTENTION!

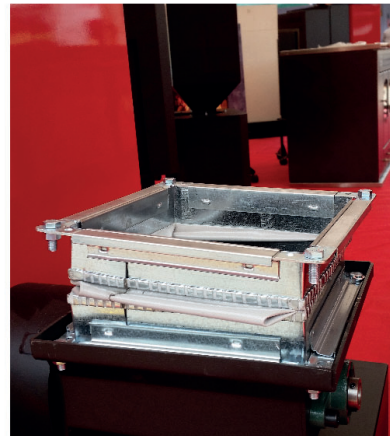
Before carrying out any type of intervention, make sure that:

- The equipment is electrically disconnected from the power supply;
- The equipment is completely cold in all its parts;
- The ash deposits are completely cold;
- Completely remove all the pellet content inside the tank.

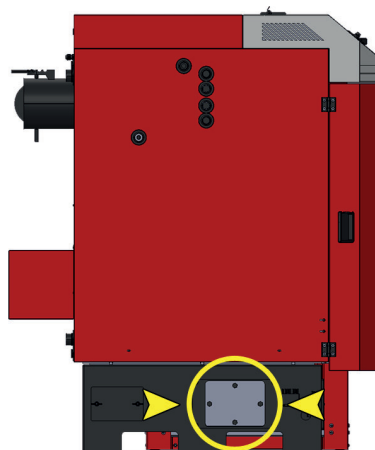
Proceed to remove the lower panels of the pellet tank;



Disconnect the flexible joint and remove the pellet tank (on some versions the flexible joint may be round)



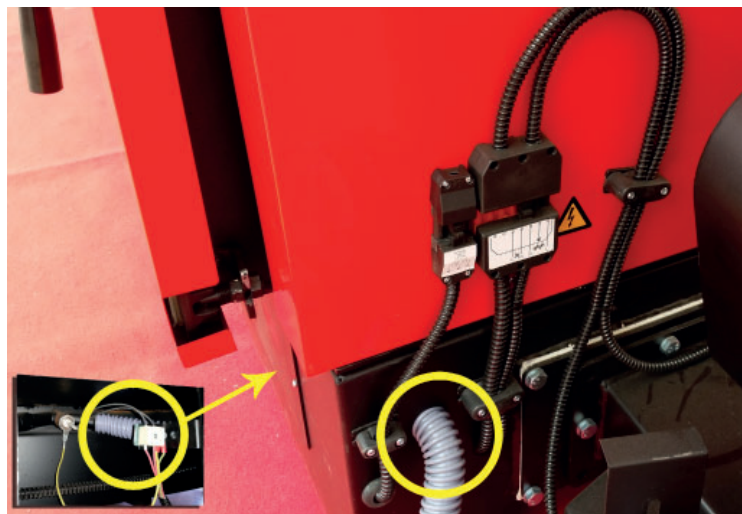
Remove the cover plate on the side where you intend to place the tank



Disconnect the connectors of the electrical connections

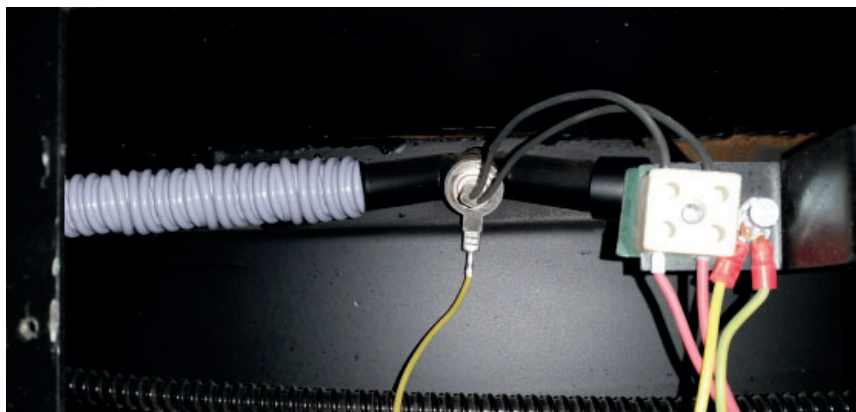


Remove the flexible air inlet duct in the ignition plug



Proceed by unscrewing the 4 bolts of the flange of the pellet feeding system, extract it and insert it on the compartment of the other side opened previously. Then fix the support flange of the pellet feeding system, paying attention to the correct inclination by adjusting the appropriate support feet.

Connect the flexible air supply duct of the ignition plug on the opposite end by first removing the cap and taking care to insert it on the other side (where previously there was the connection of the flexible duct).



Proceed with the reconnection of the electrical connections, then proceed with the positioning of the pellet tank, reconnect the flexible joint and finally reassemble the lower panels.

14.0 TECHNICAL DATA

	<i>Unit Measure</i>	PRESTIGE 270	PRESTIGE 350	PRESTIGE 500
<i>Reference Class EN 303-5:2012</i>		5	5	5
<i>Max allowable operating pressure</i>	bar	3	3	3
<i>Test pressure</i>	bar	3	3	3
<i>Capacity of the combustion chamber</i>	lt	50	50	80
<i>Boiler water capacity</i>	lt	97	97	125
<i>Mass of Appliance</i>	Kg	635	635	787
<i>Flue gas duct connection diameter</i>	mm	180	180	200
<i>Minimum Draught</i>	Pa	18	18	18
<i>Operating temperature range (min - max)</i>	°C	55 ÷ 90	55 ÷ 90	55 ÷ 90
<i>Efficiency at Rated heat output</i>	%	92,45	92,45	91,05
<i>Efficiency at Reduced heat output</i>	%	93,82	92,56	92,05
<i>Content of CO at 13% O₂ Rated heat output</i>	mg/Nm ³	218,18	73,23	73,05
<i>Content of CO at 13% O₂ Reduced heat output</i>	mg/Nm ³	95,27	83,19	88,73
<i>Content of dusts at 13% O₂ Rated heat output</i>	mg/Nm ³	13,0	12,33	11,82
<i>Content of dusts at 13% O₂ Reduced heat output</i>	mg/Nm ³	20,57	12,67	13,10
<i>OGC at 13% O₂ Rated heat output</i>	mg/Nm ³	12,44	9,66	9,49
<i>OGC at 13% O₂ Reduced heat output</i>	mg/Nm ³	13,61	13,61	12,83
<i>Rated heat output</i>	kW	27	34,9	49,5
<i>Minimum/maximum Heat output</i>	kW	8,1/27	8,1/34,9	14,5/49,5
<i>Boiler pressure drop</i>	Pa	2000	2000	2300

15.0 REFERENCE STANDARDS

The installation must comply with the standards:

- UNI 10683 (2012) heat generators powered by wood or other solid fuels up to 35 kW.
- UNI/TS 11278 (2008) Chimneys/ flue gas ducts/ducts/flue gas pipes in metal.
- UNI 7129 - 1/2/3/4

The material must comply with the standards:

- UNI EN 1443 (2005) chimneys: general requirements.
- UNI EN 1856-1 Requirements for metal chimney systems.
- UNI EN 1856-2 Requirements for internal ducts and metal flue gas ducts.

NATIONAL, REGIONAL, PROVINCIAL AND MUNICIPAL REGULATIONS

It is also necessary to take into consideration all the national, regional, provincial and municipal laws and regulations present in the country in which the appliance is installed.

16.0 TERMINOLOGY (in alphabetical order)

Burner: Component in which the mixing of fuel and comburent takes place leads to the subsequent combustion.

Chimney: Vertical duct used for the expulsion of the gases produced by combustion.

Chimney pot: Element placed on the top of the chimney to protect against adverse weather conditions.

Condensate: Passage from the gaseous state to the liquid state of the combustion gases or from the relative humidity of the air in the environment where the appliance is located, caused by boiler body temperatures below the dew point.

Control unit: Adjustment for the electronic management of the devices of the generator.

Crucible: End part of the burner where combustion takes place.

Flue gas duct: Connection duct between the appliance and the chimney.

Flue gas evacuation system: Composite system suitable for the evacuation of flue gas consisting of a flue gas duct, a chimney and a chimney pot.

Puffer: Technical water tank for the storage of technical water produced by the equipment.

Reflux area: Area beyond the extrados of the roof where overpressures or depressions occur which can influence the correct evacuation of the combustion products.

Ventilation: Air exchange necessary to avoid gas saturation in the room where the equipment is installed.

Carinci Group SpA guarantee its equipment throughout the Italian territory in compliance with European Directive 99/44/EC (European Warranty). Our products are guaranteed from manufacturing flaws for 2 (two) years from the date of purchase, as provided in the European Warranty, only if proven by a fiscal purchase document and by the "Protocol of entry into service". During this period, at the discretion of Carinci Group SpA, the purchaser will be entitled, free of charge, to repairs or replacements of defective components with the exclusion of glass, bricks and refractory plates as they are subject to natural wear and tear. However, all wear components and all consumables are not subject to warranty. All warranty conditions are specified in the following articles:

Art. 1 - Product Conformity

- a. Carinci Group SpA guarantee the conformity of its equipment with the descriptions given in the information leaflets and user manuals.
- b. The Carinci Group SpA undertakes to resolve the defect and, where not possible, to withdraw and refund only the equipment not in compliance and only and exclusively if denounced within the period of 6 (six) months from the date of purchase. No further indemnification may be claimed from Carinci Group SpA, not even as compensation.

Art. 2 - Warranty Claim

Carinci Group SpA recognize a warranty claim only if:

- a. The equipment has been installed by qualified and authorized personnel and, in general, in compliance with the relevant regulations and those contained in the "User's Manual" supplied with the equipment.
- b. Carinci Group SpA have received, within 10 days by registered letter A/R, the "Protocol of entry into service" together with the "Certificate of Warranty", duly completed in all their parts, stamped and signed by the authorized technician and signed by the end user;
- c. Preservation of the tax document has been fulfilled, proving the purchase and copy validated by Carinci Technical Assistance (C.A.T.) of the "General Conditions of Warranty" (Ref. Art. 2 par. b) and presented on request only to personnel authorized by Carinci Group;
- d. The equipment as been used as described in the "User Manual" supplied with the equipment purchased.

Art. 3 - Warranty Limitations

Carinci Group SpA will not recognize any warranty rights if one or more of the points listed below no longer apply:

- a. Damages caused by transport and not reported within 2 days of receipt.
- b. Damages caused by storage not compatible with the nature of the equipment itself.
- c. Damages not directly attributable to manufacturing defects, defects caused by incorrect installation, incorrect use, alterations of any nature and/or repairs carried out by personnel expressly not authorized by Carinci Group SpA.
- d. Damage to the boiler body caused by an operating pressure higher than 2 bar.
- e. Clogging of the copper exchanger for domestic use caused by the deposit of minerals, impurities, residues present in the water of the water system or any foreign element.
- f. Damage to the copper exchanger for domestic use caused by water hammer and pressure from the water system above 3 bar.
- g. Any water leaks due to the drilling of the boiler body caused by normal corrosive processes of the electrochemical, electrostatic type, stray currents, atmospheric agents, etc.
- h. For all defects or malfunctions on the electrical, electronic and mechanical components due to force majeure not foreseeable by Carinci Group SpA including, power surges, lightning, proximity to high voltage pylons or other devices in the environment, where the equipment is placed, which cause magnetic fields.
- i. Damages caused by inadequate electrical system and non-compliant earthing.
- j. For color variations, scratches or alterations to the painting due to normal use and high temperatures.
- k. For defects or malfunctions caused by: inadequate flue draft, installation of an unsuitable chimney pot, lack of necessary oxygen in the environment where the appliance is installed.
- l. For clogging of the heat exchangers caused by inappropriate use of the product or use of unsuitable fuel.
- m. Due to corrosion of the appliance caused by acidic condensate drained directly from the flue into the boiler body.

Art. 4 - Exclusions

Carinci Group SpA shall not recognize any warranty claim based on work carried out for:

- a. Malfunction caused by poor draught of the flue pipe;
- b. Malfunction caused by problems with the heating system;
- c. Malfunction caused by poor quality of the fuel used;
- d. Malfunction caused by the use of fuel other than the one recommended in the user manual;
- e. Malfunction caused by the presence of foreign objects in the equipment;
- f. Malfunction caused by encrustations occurred for not performing ordinary maintenance;
- g. Malfunction caused by improper use.

All costs incurred by the company in case of proven attributability to one of the mentioned points will be charged to the end user.

Art. 5 - Repairs or replacements

- a. All repairs or replacements made under warranty must be carried out exclusively by specialized personnel and previously authorized by Carinci Group.
- b. The repair or replacement under warranty does not result in an extension of the warranty period and, more explicitly, also any replaced or repaired components will have the same contractual expiration of the remaining components of the equipment.

Art. 6 - Costs

In the event of a manufacturing defect being detected, Carinci Group SpA shall bear the costs incurred solely for the repair or replacement of all items deemed to be defective. All other costs incurred, such as disassembly, replacement, any costs for masonry works or transport, shall be at the total expense of the customer.

Art. 7 - First Power on of the Equipment, adjustment and Warranty Validation

Any work carried out and specifically requested by Client, such as checks and adjustments of the parameters at the home of Client, shall be at Client's full expense.

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- a. No compensation shall be granted for any period of inefficiency of the product.
- b. Damage caused directly and indirectly to persons, property or animals as a result of non-compliance with the articles in this document "General Conditions of Warranty" and the requirements in the "User Manual."

Art. 9 - Statement

The characteristics are described in the "User Manual" supplied with the equipment. The customer declares to have received, read and understood all its parts. The customer also declares to have understood the safety rules and the necessary precautions for the use of the equipment and the ordinary maintenance, committing to their observation.

Art. 10 - Ownership

The warranty is nominal and belongs exclusively to the holder of the tax document proving the purchase and of the "Protocol of entry into service". It cannot be sold or transferred in any way to third parties. Therefore, only the owner of the equipment may request any **technical assistance services under warranty**.

Art. 11 - Court of Jurisdiction

Carinci Group SpA define and elect the court of Frosinone as the place of jurisdiction for any dispute.

WARRANTY CERTIFICATE

Client Data:

Name..... Surname.....

Address..... n°.....

ZIP CODE CITYCOUNTRYPHONE:

Analytical data of the equipment:

Retailer:	Model	Serial Number

Installer Data:

Company..... Date of enter into service of the generator/...../.....

Name..... Surname.....

Address..... n°..... ZIP CODE

ZIP CODE CITYCOUNTRYPHONE:

The customer declares under his own responsibility to be in possession of all his systems' certifications and that their installations have been performed to "rule of art" and in compliance with the specific referenced regulations.

CARINCI GROUP S.p.A. will not be liable for any malfunction resulting from inappropriate installations, which do not comply with the user manual and the relevant specifications, not certified and, more generally, to any other malfunction which is not only and exclusively attributable to the equipment.

I, the undersigned, user of the equipment, declare:

1. to have the installation conformity of the systems, according to the law.
2. to have received all relevant information for the correct use of the equipment.
3. to have received all relevant user manuals, to have read them and to have understood them in full
4. to be able to use the equipment.
5. to be aware that the equipment needs routine and extraordinary maintenance operations performed by qualified and specialized personnel.

I, the undersigned, owner and user of the product, declare to have understood the above, aware that in its absence, will forfeit the right of warranty of the equipment with all consequences of law, also referred to the civil liability towards third parties. I am also aware that the right of warranty will lapse even if the statements made to 1,2,3,4 and 5 prove not to be true.

I declare to be an autonomous and independent professional from Carinci Group S.p.A., in possession of adequate professional capacity and have every registration and authorization of law. I also consent to the processing and use of my personal data as provided by D. Lgs. 196/2003

Stamp & Signature

I declare that I have read and understood in all its parts this form, that I have read the back with the General Conditions of Warranty" and that I have no reservation to make. I also consent to the processing and use of my personal data as provided by D. Lgs. 196/2003

Stamp & Signature

MAILING ADDRESS FOR THE WARRANTY CERTIFICATE

CARINCI GROUP SpA - Administrative/Operational h.quarters: Via Felci (Industrial Area) - 03039 Sora (FR) • ITALY • Tel.: 0776/812704 • Fax: 0776/81439

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Our products are guaranteed from manufacturing flaws for 2 (two) years from the date of purchase, as provided in the European Warranty, only if proven by a fiscal purchase document and by the "Protocol of entry into service". During this period, at the discretion of Carinci Group SpA, the purchaser will be entitled, free of charge, to repairs or replacements of defective components with the exclusion of glass, bricks and refractory plates as they are subject to natural wear and tear. However, all wear components and all consumables are not subject to warranty. All warranty conditions are specified in the following articles:

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