

PALAZZETTI

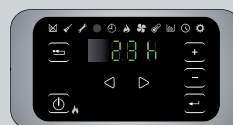
IL CALORE CHE PIACE ALLA NATURA

- **MANUALE DI INSTALLAZIONE USO E MANUTENZIONE**
- **INSTALLATION, USER AND MAINTENANCE MANUAL**
- **INSTALLATIONS, BEDIENUNGS UND WARTUNGSANLEITUNGEN**
- **NOTICE D'INSTALLATION**
- **MANUAL DE INSTALACIÓN, USO Y MANTENIMIENTO**

STUFE A PELLETT ECOFIRE® ARIA

ECOFIRE® HOT-AIR PELLETT STOVES - LUFTGEFÜHRTE PELLETTÖFEN ECOFIRE®

POELES A PELLETS ECOFIRE® A AIR - ESTUFAS DE PELLETS ECOFIRE® DE AIRE



EASY TOUCH

IT

Gentile cliente,
desideriamo innanzitutto ringraziarLa per la preferenza che ha voluto accordarci acquistando il nostro prodotto e ci congratuliamo con Lei per la scelta.

Per consentirLe di utilizzare al meglio la Sua nuova stufa, la invitiamo a seguire attentamente quanto descritto nel presente manuale.

GB

Dear Customer,
We'd like to thank you for having purchased one of our products and congratulate you on your choice.

To make sure you get the most out of your new stove, please carefully follow the instructions provided in this manual.

DE

Sehr geehrter Kunde,
Zuallererst möchten wir Ihnen für den uns gewährten Vorzug danken und Ihnen zur Wahl gratulieren.

Damit Sie Ihren neuen Heizofen so gut wie möglich benutzen können, bitten wir Sie, die in dieser Bedienungs- und Wartungsanleitung enthaltenen Angaben genau zu befolgen.

F

Cher client,
Nous souhaitons avant tout vous remercier de la préférence que vous nous avez accordée en achetant notre produit et vous félicitons pour votre choix.

Afin de vous permettre de profiter au mieux de votre nouveau poêle, nous vous invitons à suivre attentivement les instructions reportées dans cette notice.

ES

Estimado Cliente,
Deseamos agradecerle por la preferencia que nos ha otorgado adquiriendo nuestro producto y lo felicitamos por su elección.

Para el mejor uso de su nueva estufa, lo invitamos a leer con atención cuanto se describe en el presente manual.

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ASSISTANCE CENTER



ELECTRICIAN



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1 INTRODUCTION

ROYAL heating appliances are built and tested in accordance with the safety requirements specified by the relevant European directives.

This manual is intended for owners, installers, users and maintenance personnel of the stoves and is an integral part of the product. If there are any doubts regarding the contents of this manual, or for any other explanations please contact the manufacturer or an authorised service centre, quoting the paragraph number in question.

No printing, translation and reproduction of this manual, in part or whole, is allowed without the permission of PALAZZETTI. The technical information, illustrations and specifications included in this manual may not be disclosed.

Do not operate the appliance if any of the instructions provided in the manual are not understood; if there are any doubts always contact specialist PALAZZETTI personnel for explanations.

PALAZZETTI reserves the right to modify the technical and/or functional specifications of the stove at any time, without prior notice.

1.1 SYMBOLS

The most important points in this manual are highlighted by the following symbols:



INSTRUCTION: Instructions concerning correct stove operation and the responsibilities of operators.



IMPORTANT: This denotes very important information.



DANGER: This specifies the behaviour required to prevent accidents or damage to materials.

1.2 INTENDED USE



ROYAL appliances are stoves designed for heating the home, to be installed indoors, with automatic operation exclusively on wood pellets.

The stove can only operate with the firebox door closed.

Never open the door when the stove is operating.



The appliance is not intended for use by people (including children) with limited physical, sensorial or mental abilities, or without sufficient experience or knowledge, unless they are supervised or instructed on the use of the appliance by a person responsible for their safety.



The intended use of the stove described above and the configurations available are the only ones permitted by the manufacturer: never use the stove in any way not described in the instructions provided.



1.3 PURPOSE AND CONTENTS OF THIS MANUAL

The purpose of this manual is to provide the fundamental and essential rules for correct installation, maintenance and use of the product. Carefully following these rules will ensure a high level of stove safety and productivity.

1.4 HOW TO KEEP THIS MANUAL

STORAGE AND REFERENCE

This manual must be kept with care and must be always available for reference by the user and by assembly and maintenance personnel.

The installation manual is an integral part of the stove.

DAMAGE OR LOSS

If required, an additional copy can be ordered from PALAZZETTI.

SALE OF THE STOVE

If the stove is sold the user must also provide the new owner this manual.

1.5 UPDATES TO THE MANUAL

This manual represents the state-of-the-art at the time the stove was introduced onto the market.

1.6 GENERAL INFORMATION

REQUESTING INFORMATION

If information is requested from the manufacturer of the stove, always refer to the serial number and other identifying data shown on the product's identification label.

SPECIAL MAINTENANCE

Special maintenance operations must be carried out by qualified personnel who are authorised to work on the model of stove that this manual refers to.

RESPONSIBILITY FOR INSTALLATION PALAZZETTI accepts no responsibility for the work carried out to install the stove; such responsibility lies with the installer, who is required to carry out checks on the flue and air intake and ensure installation is completed correctly. Furthermore, all safety standards required by relevant legislation in force in the country where the stove is installed must be complied with.

USE

The stove must only be used in compliance with the instructions provided in this manual, as well as with all safety standards required by relevant legislation in force in the country where the stove is installed.

1.7 MAIN REFERENCE STANDARDS

- A) **Directive 2006/95/EC:** "Electrical equipment designed for use within certain voltage limits".
- B) **Directive 2004/108/EC:** "Approximation of the laws of the Member States relating to electromagnetic compatibility".
- C) **Directive 89/391/EEC:** "Introduction of measures to encourage improvements in the safety and health of workers at work".
- D) **Directive 89/106/EEC:** "Approximation of the laws, regulations and administrative provisions of the Member States relating to construction products".
- E) **Directive 85/374/EEC:** "Approximation of the laws, regulations and administrative provisions of the Member States concerning liability for defective products."
- F) **Directive 1999/5/EC:** "Radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity".
- G) **UNI 14785/2006:** "Residential space heating appliances fired by wood pellets – Requirements and test methods".

1.8 PRODUCT WARRANTY

In order to make use of the product warranty pursuant to Directive 1999/44/EC, users must fully comply with the instructions specified in this manual, and specifically:

- always use the stove within its operating limits;
- always carry out regular and thorough maintenance;
- allow the stove to be used by people of proven ability, attitude and suitably trained for the purpose;
- use original spare parts made specifically for the model of stove in question.
- In addition, the following must be provided:
 - tax receipt showing the purchase date.
 - certificate of conformity of installation issued by the installer.

Failure to follow the instructions provided in this manual will render the warranty void.

1.9 MANUFACTURER'S LIABILITY



By providing this manual, PALAZZETTI declines all liability, both civil and criminal, direct or indirect, deriving from:

- installation not in compliance with the standards in force in the country concerned and with safety directives;
- partial or total failure to follow the instructions provided in this manual;
- installation by unqualified and untrained personnel;
- use not in compliance with safety directives;
- modifications and repairs on the stove that are

not authorised by the manufacturer;

- use of spare parts that are not original or not specific for the model of stove;
- lack of maintenance;
- exceptional events.

1.10 INTENDED USERS



The user of the stove must be a responsible adult with sufficient technical knowledge to carry out routine maintenance on the parts of the stove.



Make sure children do not play close to the stove while it's operating.

1.11 TECHNICAL SERVICE

PALAZZETTI has an extensive network of service centres staffed by specialists trained directly by the company.

Please contact our head office or sales network for details of your nearest authorised service centre.

1.12 SPARE PARTS

Only use original spare parts.

Do not wait for components to become worn out before replacing them.

Replace a worn component before it malfunctions helps prevent accidents due to sudden breakages, which may cause serious harm to people and things.

Perform the periodical maintenance checks as described in the chapter on "Maintenance".

1.13 IDENTIFICATION LABEL

The serial number plate on the stove shows all the typical product data, including the manufacturer's details, the serial number and C € markings.

1.14 DELIVERY OF THE STOVE

The stove is delivered packaged in a cardboard box or shrink-wrap and secured to a wooden pallet for handling by forklift and/or other equipment.

The following material is provided inside the stove:

- installation, user and maintenance manual;
- "product booklet" pertaining to the specific model;
- remote control (only on models where featured);
- tool for opening of the firebox door (only on models where featured).

2 SAFETY WARNINGS

2.1 INSTALLATION WARNINGS

Comply with the requirements specified in this manual.

The stove assembly and dismantling instructions are reserved exclusively for specialist technicians. Users should always contact our service centre to request work to be performed by qualified technicians. Before having work performed by other technical personnel verify their effective technical competence.

Responsibility for work carried out in the place where the stove is installed lies with the user; the user is also responsible for making sure the installation checks are completed.

The user must abide by all local, national and European safety requirements.

The appliance must be installed on floors with a suitable load-bearing capacity.



Make sure that the flue and air intake duct arrangements correspond to the type of installation.

Do not make any electrical connections using temporary or uninsulated cables.

Make sure the electrical system is earthed correctly.

Before starting to assemble or dismantle the stove, the installer must heed the safety precautions required by law, specifically:

- A) do not work in adverse conditions;
- B) always be in a fit mental-physical state for working and make sure that personal protective equipment is in perfect working order;
- C) always wear safety gloves;
- D) always wear safety shoes;
- E) always use electrically insulated tools;
- F) make sure that the area being used for assembly and dismantling is clear of any obstacles.

2.2 MAINTENANCE WARNINGS



Comply with the requirements specified in this manual.

- Use always personal protective equipment and other means of protection.
- Before starting any maintenance work make sure that the stove, if it had been operating, has cooled down.
- If even just one of the safety devices is not calibrated or not working, the stove must be considered out-of-service.
- Disconnect power before working on electrical or electronic parts and connectors.

2.3 WARNINGS FOR THE USER



Prepare the stove installation site in accordance with local, national and European regulations.

- As the stove is a heating appliance it has very hot outside surfaces. For this reason maximum care must be paid during operation, specifically:
 - do not touch or get too close to the glass door to avoid getting burned;
 - do not touch the flue;
 - do not perform any type of cleaning;
 - do not remove the ash;
 - do not open the glass door;
 - do not open the ash bin (where featured);
 - make sure children keep away from the stove.
 - do not place any object on the stove.

Comply with the requirements specified in this manual.

- Follow the instructions and warnings highlighted on the metal labels affixed to the stove.
- These labels are safety devices, therefore they must always be perfectly legible. If damaged or illegible they must be replaced, contacting the manufacturer for an original spare label.
- Only use fuel compliant with the specifications shown in the corresponding chapter of this manual.
- Strictly follow the routine and special maintenance plan.
- Do not use the stove without first having performed the daily inspection as specified in the chapter on "Maintenance" in this manual.
- Do not use the stove in the event of malfunctions, suspected breakage or unusual noises.
- Do not pour or spray water onto the stove when operating or to extinguish the flame in the burn pot.
- Do not switch the stove off by unplugging the power cord.
- Do not rest your weight on the open door as this may affect stability.
- Do not use the stove in any way as a support or anchor.
- Do not clean the stove until the structure and ash have completely cooled down.
- Touch the door only when the stove has cooled down.
- Perform all operations without haste, in such a way as to ensure maximum safety.
- In the event of fire in the chimney switch the stove off using the procedure described in par. 9.3.
- In the event of stove malfunctions due to flues with incorrect draught, clean the flue according to the procedure described in par. 12.2.
- The flue must be cleaned as described in paragraph 12.2.
- Do not touch the painted parts during operation to avoid damaging the paintwork.

3 FUEL SPECIFICATIONS

3.1 FUEL SPECIFICATIONS


Pellets (Fig. 3.1) are made from various types of mechanically compacted wood in compliance with environmental protection standards. Pellets are the only fuel that can be used on this type of stove. The efficiency and heat output of the stove may vary in relation to the type and quality of pellets used.


The pellet stove requires pellets with the following characteristics:

- diameter ~ 6 mm;
- max. length 30 mm;
- max. moisture content 6 - 9%.


The stove has a pellet hopper with the capacity specified in the technical data table in the Product Booklet enclosed.

The pellet hopper is located at the top of the stove. It must always be able to be opened to load the pellets, and must remain closed during operation.

 Due to temperature control requirements, operation on traditional wood is not possible.


 The stove must not be used as a rubbish incinerator.

3.2 STORING THE PELLETS

 The pellets must be kept in a place that's dry and not too cold.

It's suggested to keep some sacks of pellets in the same room where the stove is installed or an adjacent room, as long as the temperature and humidity are acceptable.

Damp and/or cold pellets (5°C) reduce the fuel heat value and mean the burn pot (unburned material) and firebox will need to be cleaned more frequently.

 Pay special care when storing and handling the sacks of pellets. Make sure these are not crushed to prevent the pellets from becoming sawdust.

Sawdust introduced into the hopper may block the pellet feed system.

Use of poor quality pellets may affect normal pellet stove operation and render the warranty void.

The features of the pellets must comply with the requirements of EN 14961-2.



fig. 3.1

4 HANDLING AND TRANSPORT

The stove is delivered complete with all parts included.

Beware of the tendency of the stove to tip over.


The stove's centre of gravity is towards the front of the appliance.

Always keep this in mind when moving the stove on the transport pallet.

When lifting avoid jolts or sudden movements.

Make sure that the forklift capacity exceeds the weight of the stove being lifted.

The operator of the forklift or other hoisting equipment is responsible for lifting the loads.

 Prevent children from playing with the packaging components (e.g. film and polystyrene). Danger of suffocation!

4.1 REMOVING THE STOVE FROM THE PALLET

To remove the stove from the transport pallet follow the instructions shown in the "Product Booklet" enclosed.

5 INSTALLATION SITE PREPARATION

5.1 GENERAL INFORMATION

The following paragraphs provide instructions that must be complied with in order to ensure maximum efficiency of the product purchased.

The following instructions are however subordinate to compliance with any national, regional and local laws and standards in force in the country where the product is installed.

5.2 SAFETY PRECAUTIONS

Responsibility for work carried out in the place where the stove is installed lies with the user; the user is also responsible for making sure the installation checks are completed.

The user must abide by all local, national and European safety requirements.

The appliance must be installed on floors with a suitable load-bearing capacity.

The stove assembly and dismantling instructions are reserved exclusively for specialist technicians. Users should always contact our service centre to request work to be performed by qualified technicians.

Before having work performed by other technical personnel verify their effective technical competence. Before starting to assemble or dismantle the stove, the installer must heed the safety precautions required by law, specifically:

- A) do not work in adverse conditions;
- B) always be in a fit mental-physical state for working and make sure that personal protective equipment is in perfectly working order;
- C) always wear safety gloves;
- D) always wear safety shoes;
- E) always use electrically insulated tools;
- F) make sure that the area being used for assembly and dismantling is clear of any obstacles.

5.3 STOVE INSTALLATION SITE

The enclosed "Product technical details" show the minimum clearances from combustible materials and objects expressed in centimetres that must be observed when positioning the stove; for non-flammable walls/objects, these clearances can be halved.

Protect all structures that may catch fire if exposed to excessive heat.

Floors made from flammable materials such as: wood, parquet, linoleum, laminates or carpets must be protected by a suitably-sized fireproof base underneath stove. Such base may be made from steel, slate, glass or stone and must cover the floor in the part underneath the stove and the flue attachment, and must extend at least 50 cm at the front.

The manufacturer declines all liability for any alterations to the characteristics of the material making up the floor underneath the protective base.

Any elements made from wood (e.g. beams) or other combustible material located near the stove should be protected with fireproof material.

Flammable walls or elements must be kept at least 150 cm away from the stove.



Leave enough clearance for maintenance work.

Make sure the minimum distance from flammable materials (x) is observed, as shown on the pipes used to make up the flue or chimney (Fig. 5.2).

Pi = Parete incombustibile

Pp = Protezione pavimento

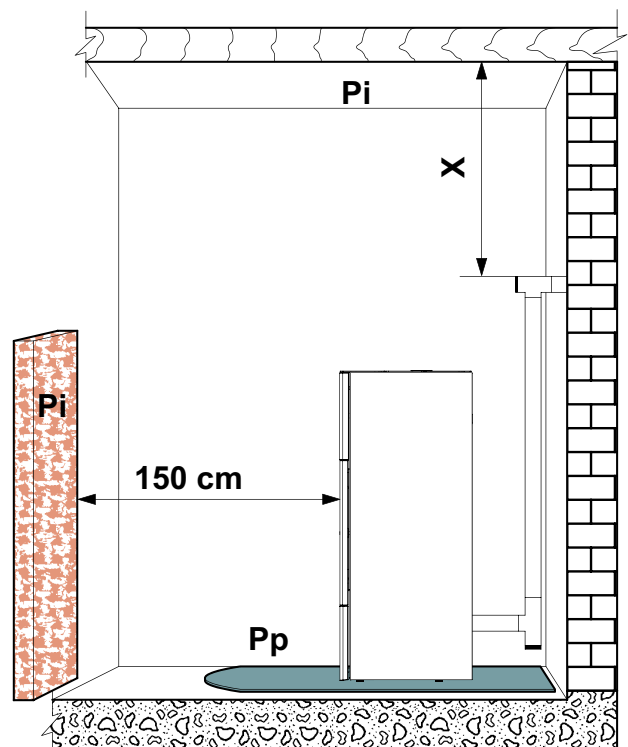


fig. 5.2

5.4 COMBUSTION AIR



During operation the stove takes in a certain amount of air from the room where it's installed (except for the "Ermetica" series products that can take in air directly from the outside); this air must be replaced through an opening to the outside from the room (Fig. 5.3 - PA).

If the wall behind of the stove is an outside wall, make an opening for drawing in combustion air around 20-30 cm above the floor, observing the dimensions shown on the product data sheet at the end of this booklet.

A permanent non-closable vent cover must be placed on the outside of the opening; in especially windy areas or places exposed to bad weather, install rain and wind protection elements.

Make sure that the air vent is located in such a way that it can't be accidentally obstructed.

If it's not possible to make a fresh air opening in the wall behind the stove (not a perimeter wall), an opening must be made on the wall in the room where the stove is installed that faces the outside.

If no fresh air opening can be made in the room, it can be made in an adjacent room as long as the two rooms are connected by a ventilation grill (Fig. 5.4 - C = Shutter box, G = Grill, S = Shutters)

Standard UNI 10683 prohibits combustion air being drawn in from garages, combustible material stores or places where there is a fire risk.

If there are other heating appliances in the same room, the fresh air vents must guarantee the required volume of air for correct operation of all the appliances.

If one or more exhaust fans (range hoods) are installed and operating in the room where the stove is located, combustion problems may occur due to a lack of combustion air.

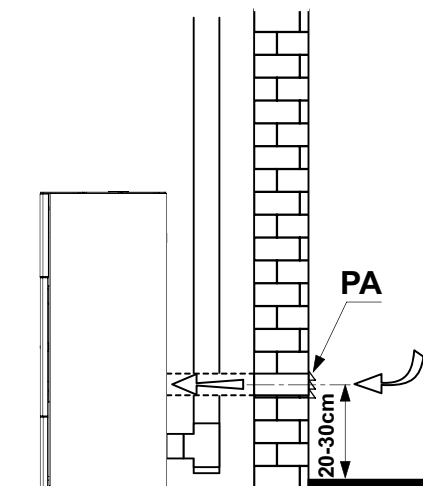


fig. 5.3

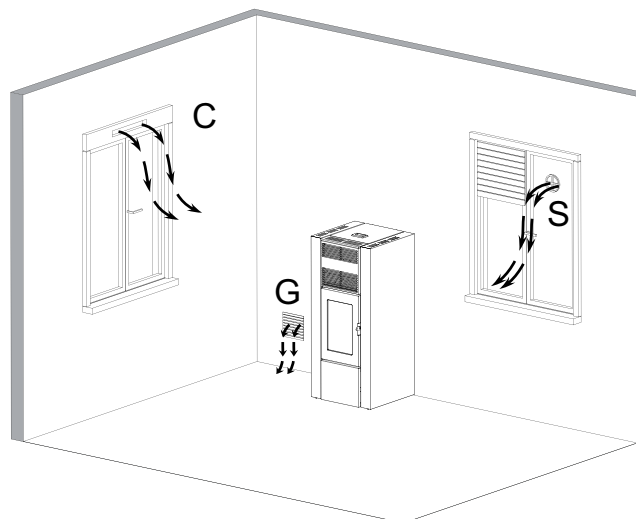


fig. 5.4

“SEALED” SERIES STOVES

The “Ermetica” series pellet stoves allow the following possible installation alternatives:

- ducted combustion air using a coaxial pipe to discharge the flue gas and take in fresh air; consequently no fresh air vent is needed in the room (Fig. 5.5 A, B=Air intake C, D=Flue gas outlet);
- connect the stove combustion air intake to the fresh air opening using a special pipe (Fig. 5.6).

5.5 FLUE GAS EXHAUST

The stove operates with negative pressure in the combustion chamber, and consequently the flue gas discharge must be airtight.

The stove must be connected to its own separate flue gas exhaust system capable of ensuring adequate atmospheric dispersion of the combustion byproducts.

The components making up the flue gas exhaust system must be suitable for the specific operating conditions and bear the CE mark.

The pipes used to discharge the flue gas must have a nominal diameter of 8 cm with gaskets (up to 5 metres in length), or 10 cm with gaskets (for lengths exceeding 5 metres) (Fig. 5.7).

The flues should be suitably insulated (e.g. using rock wool) or made using double wall steel pipes, except for the initial vertical section inside the room.

! An initial vertical section measuring a minimum of 1.5 metres is required to ensure correct flue gas exhaust.

There should be at least three changes in direction along the flue, in addition to the flue connection at the rear of the stove, using 45 or 90° angle connectors or ‘T’ connectors.

Use always a ‘T’ connector with inspection cap on all horizontal or vertical changes in flue direction.

The maximum length of horizontal sections is 2-3 m with an upwards slope of 3-5% (Fig. 5.7).

Anchor the flues to the wall using special collars.

The flue gas exhaust attachment **MUST NOT BE** connected to:

- a chimney used by other heat generators (boilers, stoves, fireplaces, etc.....);
- air exhaust systems (range hoods, vents, etc.....) even if these are ducted.

Shut-off or draught valves must not be used.

Combustion byproducts must be discharged through the roof.

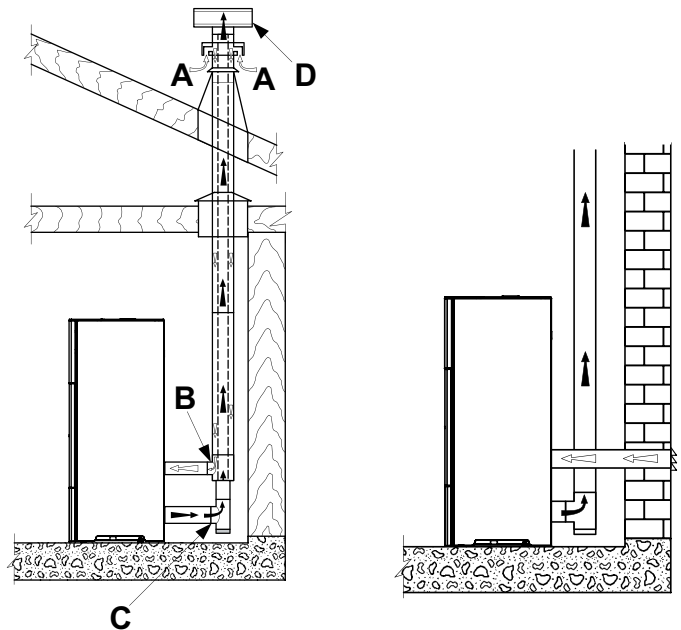


fig. 5.5

fig. 5.6

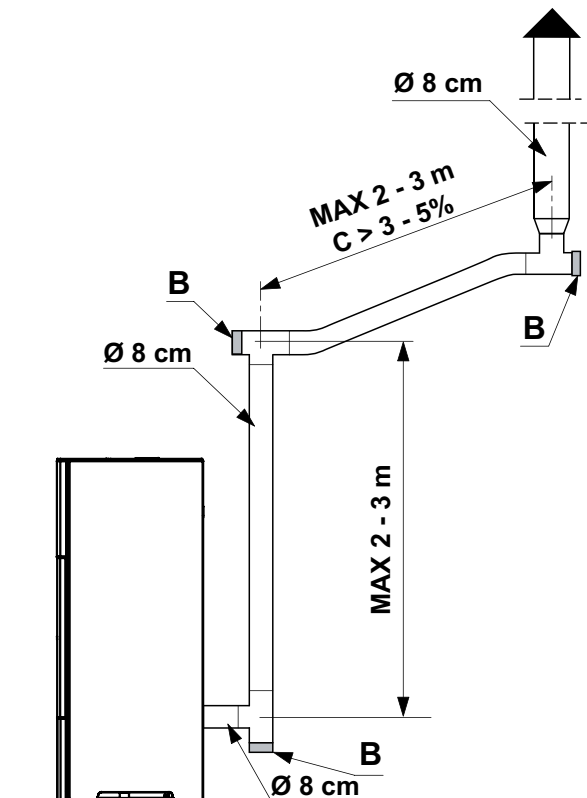


fig. 5.7

! If the flue is longer than 5 metres and there is insufficient draught (many changes in direction, unsuitable discharge terminal, etc.) flue gas exhaust may be less than optimum. In these cases, the operating parameters will need to be modified (flue gas exhaust and pellet load) to adapt the stove to the actual characteristics of the flue. Contact technical service for this procedure.

“SEALED” SERIES STOVES

For “Ermetica” series pellet stoves a special coaxial pipe can be used to both discharge the flue gas and duct the combustion air from the outside (Fig. 5.5 A, B=Air intake C, D=Flue gas outlet).

5.5.1 Discharge through roof using a traditional chimney

The chimney used to discharge the flue gas must be made in accordance with standards UNI 10683 - EN 1856-1-2 - EN 1857 - EN 1443 - EN 13384-1-3 - EN 12391-1 both as regards the dimensions and the construction materials used.

DAMAGED chimneys made from unsuitable material (asbestos cement, galvanised steel, etc.... with a rough and porous inside surface) are prohibited by law and affect proper stove operation.

The flue gas can be discharged through a traditional chimney (Fig. 5.8) as long as the following rules are observed:

- check the conditions of the chimney; old chimneys should be renovated by introducing steel piping with suitable insulation (rock wool, vermiculite).
- the flue gas can be discharged directly into the chimney only if the latter has a maximum cross-section of 15 × 15 cm or diameter of 15 cm and features an inspection opening.

! For larger chimneys, suitably insulated steel pipes need to be inserted on the inside (diameter according to the length) (Fig. 5.9).

Makes sure connections to brick chimneys are suitably sealed.

Avoid contact with combustible materials (e.g. wooden beams).

! If the flues run through wooden roofs or walls, special certified pass-through kits need to be used, available on the market.

- 1) Vermiculite and/or rock wool.
- 2) Steel pipes.
- 3) Closure panel.

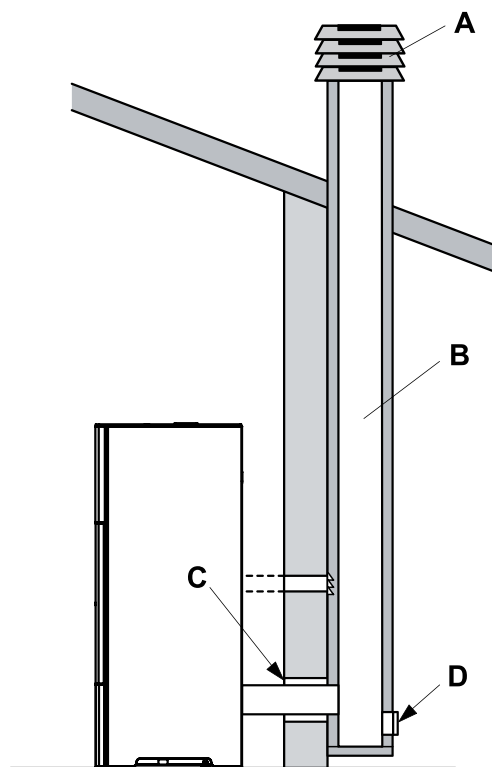


fig. 5.8

- A) Chimney pot with wind protection
- B) Maximum cross-section of 15 × 15 cm or diameter of 15 cm and maximum height of 4- 5 metres
- C) Seal
- D) Inspection

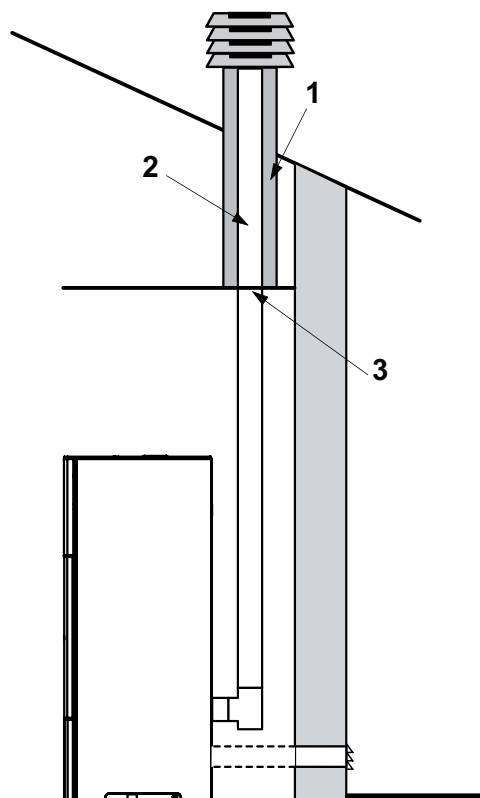


fig. 5.9

6 INSTALLATION

The stove must be installed by qualified personnel in compliance with EN 10683.



6.1 LEVELLING THE STOVE

The stove must be levelled by adjusting the feet (where featured), then checked using a spirit level (Fig. 6.1).

A B = Spirit level

6.2 SYSTEM CONNECTIONS

6.2.1 Electrical connection

The stove is connected to the electrical system simply using the plug supplied.

The electrical connection (plug) must be easily accessible when the stove is installed.

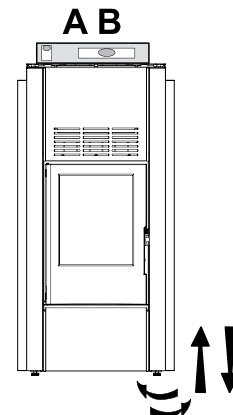


fig. 6.1

- ! If the power cord is damaged it must be replaced by the technical service or a qualified technician, to prevent any kind of risk.

6.2.1.1 Earth

The system must be earthed and fitted with a residual current circuit-breaker in accordance with legislation in force (Fig. 6.2).

- ! The flue must have its own earth connection.

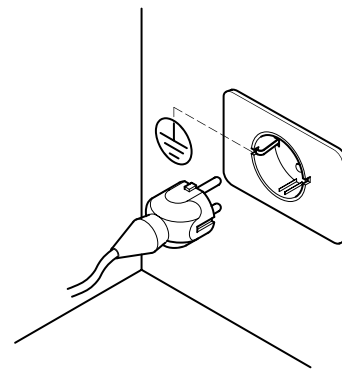


fig. 6.2

6.2.2 Connection to an external timer thermostat

The stove can be connected to an external timer thermostat that switches the stove on or off according to the set temperature.

When the set temperature is reached the thermostat opens the circuit and consequently switches off the stove.

The external thermostat is connected to the two terminals on the board of the stove, which are jumpered in the factory. Disconnect the jumper and connect the two thermostat contacts.

The stove must be set to configuration 2 following the instructions shown in the paragraph on "Initial configuration".

- ! After first installing the timer thermostat, the stove needs to be switched on manually, while the timer thermostat is in "call" status. This operation is also required in the event of power failures or if the stove is switched off manually.

- ! To avoid overlapping the working time bands, it's recommend to disable (set to OFF) the stove's timer (see par. 10.1).

6.2.3 Connection to an air distribution system (only for ducted models or provided with ducting kit)

Ducted models can be connected to a hot air distribution system. The pipes used should preferably be circular with a smooth inner surface and suitably insulated to avoid heat loss.



For ducted stoves or models ready to fit a ducting kit that are not connected to a hot air distribution pipe, make sure the deflector is positioned so as to deviate the hot air into the room where the stove is installed.

STOVES READY TO FIT A DUCTING KIT

To assemble the ducting kit see the instructions provided with the kit.

The flow of hot air can be deviated from the room to the ducting using the tool supplied with the kit to adjust the deflector control located on the front of the stove (Fig. 6.3).

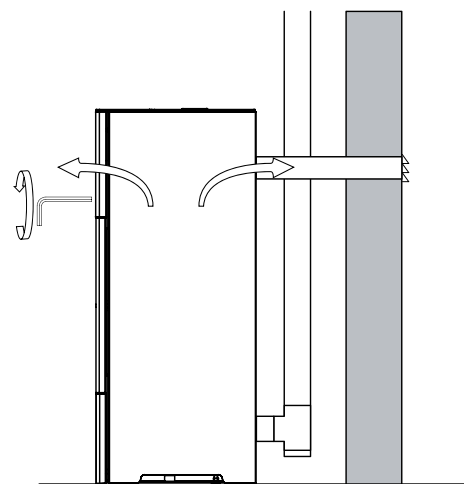


fig. 6.3

6.3 INITIAL CONFIGURATION

Depending on the type of installation, the best configuration needs to be selected for the stove operation. Before proceeding, power up the stove using the safety switch on the rear.

- Use the arrow buttons to go to the setup menu and then press ;
- Use the button to select the password "7" and then press to confirm;
- Use the buttons to scroll to and select submenu [30]; "r--0" will flash on the display;
- Press and enter the value "54" using the buttons;
- Press to confirm;
- The current configuration will be displayed;
- To change the configuration, press and enter the value of the new configuration using the buttons;
- Press to confirm.

! After having changed the configuration a communication error message may be displayed for a few seconds. Ignore this and switch the stove off using the safety switch on the rear, wait a few seconds and switch it back on.

TWO DIFFERENT CONFIGURATIONS ARE AVAILABLE:

CONFIGURATION 1 (default)

Set this configuration to switch the stove on or off manually or in programmed mode.

The stove will module its power according to the room temperature read by the probe on the stove.

It is possible to set the function "Eco-mode" to allow the stove switch on or off according to the set temperature.

In this configuration it is possible to set also the antifreeze function.

CONFIGURATION 2

Set this configuration when the stove is controlled by an external thermostat (or timer thermostat).

In this configuration the stove switches off when reaching the external thermostat setting.

In this configuration it is not possible to set also the antifreeze function.

USE AND MAINTENANCE



7 STOVE DESCRIPTION

Before reading this booklet, check the description of the stove provided in the “Product Booklet” enclosed.


7.1 CONTROL PANEL

The control panel consists of:







- A) a top part with status LEDs and backlit icons that identify each function;
- B) LED display;
- C) ON button (⏻);
- D) “Cancel” and display “error” button (⏪);
- E) two arrow buttons to scroll between the various functions (⏪ ⏩);
- F) two buttons (+) and (-) to set the operating parameters and access the submenus;
- G) an enter button (↵) to confirm the parameter or the settings.









fig. 7.1


 All the buttons are capacitive, therefore the functions are activated without needing to press hard on the buttons, rather by just touching the surface.

7.1.1 Status leds

ICON	WARNING	DESCRIPTION
	Pellets running out	Indicates that the pellet hopper needs to be refilled.
	Maintenance	Indicates the need to perform maintenance
	Service	Indicates an error
	Remote control receiver	It receives the inputs sent by the remote control (optional)
	Timer active	Indicates whether the timer function is active.
	Status LED (near the ⏻ button)	LED on steady: stove on and operating LED flashing: stove in the ignition stage or in standby LED off: stove off










7.1.2 Description of the menus

ICON	FUNCTION	DESCRIPTION	VALUES
	Power	Stove output setting	1..5
	Fan *(where featured)	It allows you to set the fan speed.	OFF*, 1..5; Auto; Hi
	Temperature	Displays the room temperature reading and is used to set the desired temperature.	6°C .. 51°C
	Fuel	Displays the operating autonomy and resets the value when filling the pellet hopper [FULL], or deactivates the warning [OFF]	FULL - OFF
	Timer	Enables or disables the timer. When enabled, the icon  will be displayed steady (not flashing)	ON - OFF

ICON	FUNCTION	SUBMENU	DESCRIPTION	VALUES	
	Setup	{ 1 }	Weekly timer	Assigns the programs (max 3) to the different days of the week	[d1] ... [d7]
		{ 2 }	Programs	Program setting menu	[P1] ... [P6]
		{ 3 }	Time / date	Time and date setting	
		{ 4 }	Hours remaining	Displays the number of hours remaining until recommended maintenance. When "Hi" is displayed, the remaining time exceeds 999 hours.	
		{ 5 }	System information	Displays the current software version	
		{ 6 }	Function not enabled		
		{ 7 }	Eco function	Enables or disables Eco Mode, in which the stove automatically switches off and on based on room temperature (only in configuration 1).	OFF; Eco
		{ 8 }	Restart delta	Difference in degrees from room temperature below which the stove switches on again (only in configuration 1).	0,5 ... 5,0°C
		{ 9 }	Frost protection temperature	Minimum temperature below which the stove switches on (only in configuration 1).	OFF; 3 ... 20 °C
		{ 10 }	Lock keypad	Disables the buttons on the keypad	OFF; Lo; Hi
		{ 11 }	Display brightness	Sets display brightness	OFF; 1 ... 5
		{ 12 }	Display mode	Sets how the data is displayed	OFF; 1 ... 4
		{ 13 }	Buzzer volume	Sets the buzzer volume	OFF; 1 ... 5
		{ 14 }	Type of pellets	Three different types of pellet can be set	1 ... 3
		{ 15 }	Function not enabled		
{ 30 }	Installer menu	Sets/displays the stove configuration	PWD: "54"		
{ 40 }	Service menu	Menu reserved for the service centre			

Submenus {30} and {40} in the Setup menu are password-protected and reserved for service centre personnel.

7.2 USING THE CONTROL PANEL

- The arrow buttons   are used to scroll between the different menus that are highlighted.
- When selecting a given function, simply press the  button and then modify the values, again using the   buttons.
- Pressing the  button confirms the setting.
- In general all values that are flashing can be modified using the   buttons.
- The "cancel" button  is used to cancel any changes; pressing and holding the button displays any active alarm or error codes.

7.3 OPERATING PARAMETERS

Stove operation is determined by the Power level, Fan and Temperature parameters set by the user.

7.3.1 setting the power level

The power level defines the amount of heat produced by the stove and consequently directly affects fuel consumption.

To change the power level:

- Use the ◀ ▶ buttons to go to the power menu 🔥 and press ⏪ ;
- The power level value will flash; set the value using the + - (buttons (1 minimum,...5 maximum)
- Press ⏪ to confirm the settings.

7.3.2 Modifying the fan speed (Silent Range excluded)

To modify the fan speed:

- Use the ◀ ▶ buttons to go to the fan menu 🌀 and press ⏪ ;
- The fan speed value will blink; modify the value by pressing + - ;
 - “OFF” = the fan is completely excluded, and the stove will work with natural convection only (only on models where featured);
 - “1” minimum,..., “5” maximum;
 - “Auto” = automatic functioning (the stove will set automatically the fan speed and the stove power according to the room temperature);
 - “Hi” = ultrarapid functioning (to use only in the case you need to quickly heat the room);
- press the button ⏪ to confirm the data you set.

7.3.3 Setting the room temperature

Setting this value defines the desired room temperature, read directly by a probe fitted on the stove.

To set the desired temperature:

- Use the ◀ ▶ buttons to go to the temperature menu 🌡️ and press ⏪ ;
- The current value will flash; change it using the + - buttons
- Press ⏪ to confirm the settings.

8 PRELIMINARY OPERATIONS

8.1 LOADING THE PELLETS

The first operation to be performed before starting the appliance is to fill the hopper with fuel (pellets). The pellets are loaded into in the hopper using a scoop.

Do not empty the sack directly into the hopper so as to avoid loading sawdust or other foreign bodies that may affect proper stove operation and avoid spilling pellets outside of the hopper.



Make sure the hopper lid is well closed again after having loaded the pellets. A safety switch (just for the models that are equipped with it) makes sure that the pellet tank lid has been closed properly (IS in fig. 8.1) and triggers a stove alarm in case the pellet tank lid stays open for more than one minute while the stove is still working.

At this point, to take advantage of the 'Autonomy' function, use the arrow buttons \leftarrow \rightarrow to move to the combustible icon and confirm by pressing \leftarrow . Select "Full" by pressing \oplus \ominus and press the button \leftarrow to confirm.

In order to disable this function, select "Off" instead of "Full".

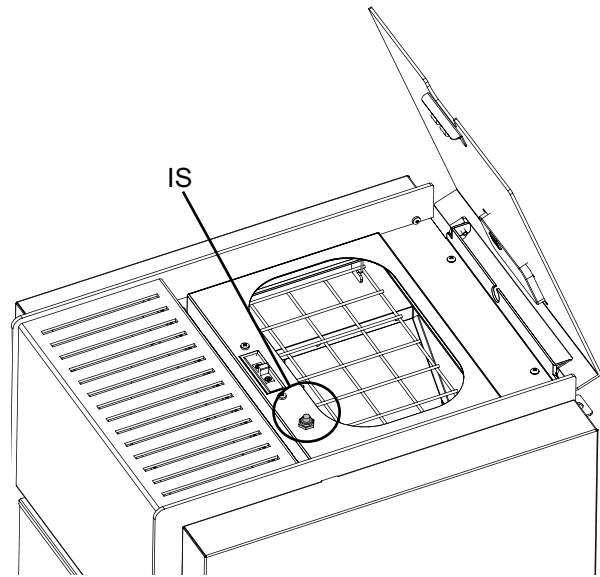


fig. 8.1

8.2 POWER SUPPLY

Plug the stove into the mains power supply, move the power switch at the rear of the stove to position "I" (Fig. 8.2). If the connections are correct the stove will emit a series of intermittent beeps, the display will come on.



Make sure not to touch the control panel while plugging the stove into the power supply.



If not using the appliance for an extended period, the switch at the rear of the stove should be moved to position (O).

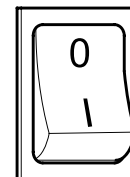


fig. 8.2

8.3 INITIAL SETTINGS

The language, current date and time need to be set before using the stove.












8.3.1 Time and Date setting

To set the date:

- a) Use the \leftarrow \rightarrow buttons to go to the setup menu and press \leftarrow ;
- b) Use the \oplus button to select the password "7" and then press \leftarrow to confirm;
- c) Use the \oplus button to scroll to and select submenu { 3 } and press \leftarrow to confirm;
- d) The hour value will flash; set the value using the \oplus \ominus buttons and press \rightarrow ;
- e) The minutes value will flash; set the value using the \oplus \ominus buttons and press \rightarrow ;
- f) The day value will flash; set the value using the \oplus \ominus buttons and press \rightarrow ;
- g) The month value will flash; set the value using the \oplus \ominus buttons and press \rightarrow ;
- h) The year value will flash; set the value using the \oplus \ominus buttons and press \rightarrow ;
- i) The current weekday value will flash (Monday = 1... Sunday = 7); set the value using the \oplus \ominus buttons;
- j) Press \leftarrow to confirm the settings.












8.3.2 Setting the display brightness

Display brightness when in standby mode can be set.

- Use the arrow buttons   to go to the setup menu  and then press .
- Use the  button to select the password "7" and then press  to confirm;
- Use the  button to scroll to and select submenu [11] and press  to confirm;
- Set the desired brightness (OFF, 1 . . . 5) using the   buttons and press  to confirm.












8.3.3 Setting the display mode

The data shown on the display when this is in standby mode can be set.

- Use the arrow buttons   to go to the setup menu  and then press .
- Use the  button to select the password "7" and then press  to confirm;
- Use the  button to scroll to and select submenu [12] and press  to confirm;
- Set one of the following values using the  and  buttons:
 - "OFF" • The display remains on the last operation set by the user;
 - "1" • All operating parameters are displayed cyclically;
 - "2" • The room probe temperature is shown
 - "3" • The current time is shown
 - "4" • The operating autonomy in hours before having to refill the hopper is shown, If the function "filling" has been activated.
- Press  to confirm the settings.












8.3.4 Setting the volume

The volume of the buzzer can be set based on requirements:

- Use the arrow buttons   to go to the setup menu  and then press .
- Use the  button to select the password "7" and then press  to confirm;
- Use the  button to scroll to and select submenu [13] and press  to confirm;
- Set the desired volume (OFF, 1 to 5) using the   buttons and press  to confirm.

8.3.5 Setting the type of pellets

The type of pellets used can be set:

- Use the arrow buttons   to go to the setup menu  and then press .
- Use the  button to select the password "7" and then press  to confirm;
- Use the  button to scroll to and select submenu [14] and press  to confirm;
- Set one of the following values using the  and  buttons:
 - "1" • Small pellets
 - "2" • Medium-sized pellets
 - "3" • Large pellets
- Press  to confirm the settings.


9 STOVE OPERATION

9.1 STARTING THE STOVE

To start the stove hold the  button for several seconds.

The flame icon will start flashing during the ignition stage until remaining on steady when the stove has started.

! Automatic stove ignition: the stove comes with an automatic device that starts the pellet stove without using other traditional fire lighters.

 Avoid lighting the flame manually if the stove's automatic ignition system is not working correctly.

! When the stove is started the first time, unpleasant odours or smoke may be generated, caused by evaporation or drying of certain materials used. This phenomenon will gradually disappear.


The room should be well ventilated when starting the stove the first few times.

“SEALED” SERIES STOVES


When opening the firebox door, never leave it open too long, otherwise the door sensor will set off the open door signal (audible alarm).

9.2 MODIFYING THE PARAMETERS


The stove operating parameters can be modified as described in paragraph 7.3.

 The values set will be retained until next modified, even when the stove is switched off or unplugged from the power supply.

9.3 SWITCHING OFF

To switch the stove off hold the  button for a few seconds; the flame icon will switch off.

 To start the stove again it's recommended to wait for the stove to cool down completely.

 The stove should only be switched off following the procedure described above. Never switch the stove off by unplugging it from the power supply.

9.4 OPERATION WITH ROOM THERMOSTAT

When the stove is controlled by an external thermostat (or timer thermostat) the installer must have set Configuration 2. In this configuration the stove switches off when reaching the external thermostat setting.

The stove switches on again automatically when the temperature falls below the value set on the external thermostat (circuit closed).


 **On first ignition, or if the stove has been switched off manually ( button), the stove needs to be started directly from the control panel.**

9.5 OPERATION WITH ROOM PROBE ON THE STOVE

The stove can be switched on/off manually or in programmed mode.

The stove modulates output according to the room temperature read by the probe on the stove (that is, the stove attempts to maintain the desired temperature while minimising fuel consumption).

If the user has enabled the “Eco-mode” function , the stove rather than modulating its output, switches off when reaching the set temperature, and switches on again when the room temperature falls below the delta set (see par.10.3).

The desired room temperature can be set in the temperature menu .

10 FUNCTIONS AVAILABLE

10.1 TIMER

It's possible to set, enable and assign to the various days of the week, customised programs for automatically switching the stove on and off.


























Up to six customised programs can be set.

For each program, the following can be set: on time, off time and desired temperature.

Up to three programs can be assigned for each day of the week.




















The days of the week are identified by numbers: Monday = "d1", Tuesday = "d2";...; Sunday = "d7"..

10.1.1 Setting the programs








- Use the arrow buttons   to go to the setup menu  and then press .
- Use the  button to select the password "7" and then press  to confirm;
- Select submenu [2] and confirm by pressing .
- Use the   buttons to scroll the programs P1...P6;
- The on hours value will flash; set the value using the   buttons and press .
- The minutes value will flash; set the value using the   buttons and press .
- The off hours value will flash; set the value using the   buttons and press .
- The minutes value will flash; set the value using the   buttons and press .
- The desired temperature value will flash; set the value using the   buttons and press .
- Press  to confirm the settings.


10.1.2 Assigning the programs to specific days

This function can be used to assign up to three different programs to a certain day.

- Use the arrow buttons   to go to the setup menu  and then press .
- Use the  button to select the password "7" and then press  to confirm;
- Select submenu [1] and confirm by pressing .
- Use the   buttons to choose the day [d1]...[d7] to assign the programs to
- Select this using the .
- The value of the first program to assign will flash: P1...P6 or "OFF" to disable;
- Set the value using the   buttons and press .
- The value of the second program to assign will flash: P1...P6 or "OFF" to disable;
- Set the value using the   buttons and press .
- The value of the third program to assign will flash: P1...P6 or "OFF" to disable;
- Set the value using the   buttons and press  to confirm the settings.

10.1.3 Enabling/disabling the timer

- Use the arrow buttons   to go to the Timer menu .
- Select this using the .
- Use the   buttons to scroll and select: "ON" to enable the timer or "OFF" to disable it;
- Press  to confirm the selection.

When the timer is enabled, the  icon will be on steady, indicating that the timer is active.

10.2 "ECO MODE" SAVING FUNCTION

Enabling this function means that the stove switches off when reaching the desired room temperature. If this function is not enabled, the stove modulates operation so as to maintain the desired temperature while consuming the least amount of fuel possible. The "Eco Mode" function is only available in configuration 1.

To enable/disable the function:

- a) Use the arrow buttons to go to the setup menu and then press ;
- b) Use the button to select the password "7" and then press to confirm;
- c) Select submenu [7] and confirm by pressing .
- d) Set one of the following values using the buttons:
 - ECO → "Eco Mode" function enabled
 - OFF → "Eco Mode" function disabled
- e) Press to confirm the settings.

10.3 RESTART DELTA FUNCTION

The Restart delta is the number of degrees centigrade below the switch-off temperature at which the stove switches on again automatically. For example, if the stove is set to switch off at 20°C (Eco Mode active) and "Restart delta" is set to 4°C, the stove will switch on again when the temperature measured is less than or equal to 16°C.

To set the restart delta value:

- a) Use the arrow buttons to go to the setup menu and then press .
- b) Use the button to select the password "7" and then press to confirm;;
- c) Select submenu [8] and press to confirm;
- d) The value will flash; change it using the and buttons (0,5 ... 5,0°C);
- e) Press the button to confirm the set value.

10.4 AUTONOMY FUNCTION

This function is used to display the number of hours of operating autonomy remaining before having to refill with pellets. Use the arrow buttons to move to the symbol and display the estimated operating hours before having to refill with pellets. The autonomy is calculated according to the operating parameters set at that moment on the stove.

The estimated values are quite reliable, as long "FULL" is selected and confirmed whenever refilling the stove completely. "Lo" indicates the reserve fuel level.

10.5 REFILL FUNCTION

This function is used to tell the stove that the hopper is being filled with pellets.

In this way, the stove can estimate, based on the operating parameters, how many hours of autonomy remain before having to fill the hopper with pellets again.

After having completely filled the pellet hopper:

- a) Use the arrow buttons to move to the fuel icon and press enter .
 - b) Use the buttons to select "FULL" and press enter .
- To disable this function, select "OFF" instead of "FULL".

10.6 RESTARTING AFTER A POWER FAILURE

In the event of power failures, the stove will switch back on automatically, checking the safety conditions, when power returns.

10.7 "LOCK KEYPAD" FUNCTION

This function is used to disable the use of the control panel and avoid accidental modifications.

To enable/disable the function:

- a) Use the arrow buttons to go to the setup menu and then press .
- b) Use the button to select the password "7" and then press to confirm;
- c) Select submenu [10] and confirm by pressing .
- d) Use the buttons to set one of the following values:
 - "OFF" Lock keypad disabled
 - "Lo" Only the on/off button is enabled
 - "Hi" Lock keypad enabled
- e) Press to confirm the settings.

10.8 FROST PROTECTION FUNCTION




(Only in configuration 1)

A minimum temperature can be set below which the stove will switch on (outside of the set time bands, and only if the timer is active). To set the “frost protection” temperature:















- Use the arrow buttons (◀ ▶) to go to the setup menu (⚙) and then press (↵);
- Use the (+) button to select the password “7” and then press (↵) to confirm;
- Select submenu {9} and confirm by pressing (↵);
- The value will flash; change it using the (+) (-) buttons (OFF; 3...20°C);
- Press (↵) to confirm the settings.

11 ALARM MANAGEMENT

If a malfunction occurs, the following procedure is activated:

- audible alarm (beep);
- one of the following system LEDs come on:   ;
- if the problem concerns an error, the stove will switch off.

Pressing and holding the “cancel” button (⏏) shows the error code on the display:

ERROR/ WARNING CODE	DESCRIPTION	POSSIBLE CAUSES	LED
E001	Faulty control panel	Control panel fault	
E002	Remote control signal communication error	Control panel fault	
E004	Communication error	Connection cable between board and control panel interrupted or detached. If this appears when changing configuration, ignore the error	
E101	Failed ignition error	No pellets Pellet quality Faulty ignition system Burn pot dirty Problems with the heating system Problems with the pump	
E105	Pellet probe malfunction	Pellet probe disconnected or faulty	
E108*	Safety error	Door or hopper lid open	
E109	Pressure error or thermal safety	Flue gas exhaust system dirty Seal gaskets worn Insufficient combustion air Problems with overheating in the pellet hopper	
E110	Temperature probe malfunction	Faulty air temperature probe	
E111	Flue gas temperature probe malfunction	Faulty flue gas temperature probe	
R001	Low pellet level (<i>icon flashing</i>)	Pellets running out	
R002	Scheduled maintenance warning (<i>icons flashing</i>)	The stove periodically requires maintenance to be performed by a qualified technician	
R007	Pressure sensor malfunction (<i>icon flashing</i>)	Pressure sensor or board fault.	
----	Clean stove	Combustion chamber, burn pot or flue gas exhaust system dirty. Pressure measuring tubes detached or blocked. Combustion air intake blocked.	
----	Failed ignition error	No pellets; Faulty ignition heater; Worn gaskets; Incorrect burn pot position	

* Only for the models equipped with safety microswitches on the door or on the hopper lid.

After having checked the type of message, the alarm can be reset by pressing the on/off button (⏏) for a few moments.

If the error code is “E109”, before resetting the alarm, manually reset the thermostat located on the rear of the stove (Fig. 11.1) (*this should be carried out by an authorized technician*). Then the stove can be started again.



fig. 11.1

12 MAINTENANCE

12.1 SAFETY PRECAUTIONS

! Before performing any maintenance operations, adopt the following precautions:

- Make sure that all the parts of the stove have cooled down.
- Make sure that the ash is completely extinguished.
- Use the personal protective equipment specified by directive 89/391/EEC.
- Make sure that the main power switch is off.
- Make sure that the power supply cannot be reconnected accidentally. Unplug the cord from the socket on the wall.
- Always use suitable tools for maintenance.
- Once maintenance or repairs have been completed, before operating the stove again, restore all protection features and reactivate all safety devices.

☞ A suitable ash vacuum cleaner (canister) makes it simpler to clean the ash.

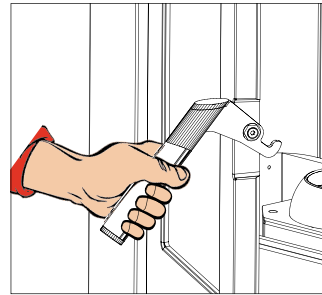


Fig. 12.1

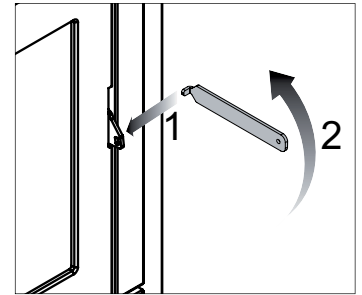


Fig. 12.2

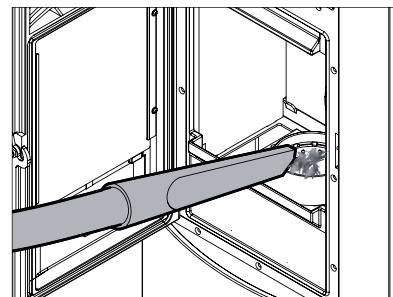


Fig. 12.3

12.2 ROUTINE USER MAINTENANCE

12.2.1 Cleaning the inside of the firebox

The stove requires simple yet frequent and thorough cleaning in order to guarantee efficient and correct operation at all times.

! Clean the stove only when it's off and has cooled down.

Use the handle or lever (according to the model of stove) to open the firebox door (Fig.12.1).

☞ Some models of stove come with a separate handle for opening the door. Take the handle from the ash bin housing, place it in the holes on the door hinge and lever the mechanism to open the door (Fig.12.2).

Remove the ash that has accumulated inside the firebox (Fig.12.3).

This has the purpose of ensuring free flow of combustion air through the holes in the BURN POT.

Lift, remove the burn pot and clean the surfaces and the compartments inside the burn pot (Fig.12.4).

Reposition the brazier making sure that it perfectly sits into its original position.

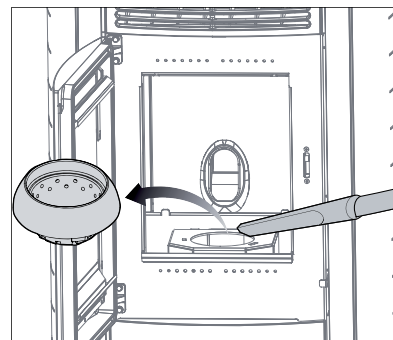


Fig. 12.4

12.2.2 Cleaning the ash bin

The ash bin should be cleaned every week or whenever necessary.

To access the ash bin, open the ash bin door and remove the bin (Fig.12.5) using the tool provided

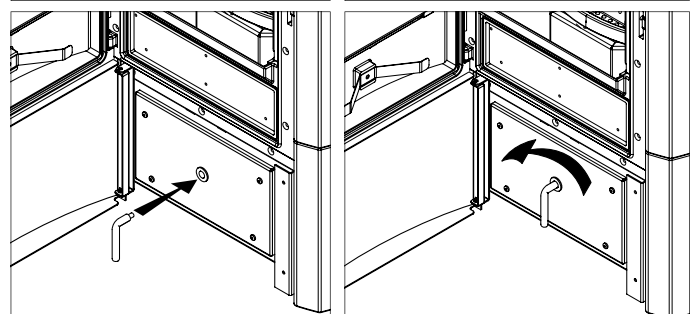
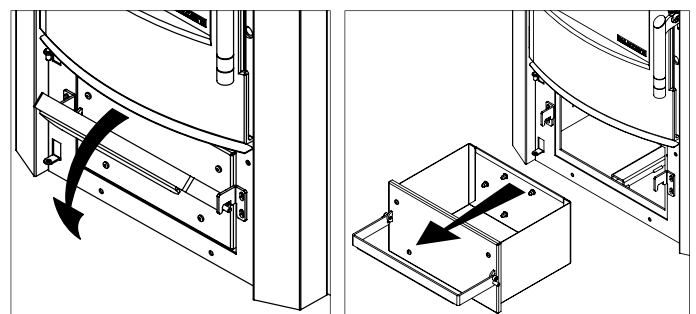


Fig. 12.5

Empty the bin into a special metal ash collection container.

Vacuum any residual ash from the compartment that houses the ash bin (Fig.12.6).

Reposition and close the ash bin. Close the doors.

12.2.3 Cleaning the glass

The stove is provided with an exclusive glass autocleaning system which reduces the upkeep frequency.

Nevertheless in the long run, according to the work conditions and the kind of pellet used, it is necessary to clean the glass manually.

This is done using a damp cloth or moistened paper passed through the ash (Fig.12.7).

Rub until the glass is clean. Detergents suitable for cleaning glass for stoves can also be used.

Never clean the glass while the stove is operating and never use abrasive sponges.

Do not wet the door gasket as this may be damaged.

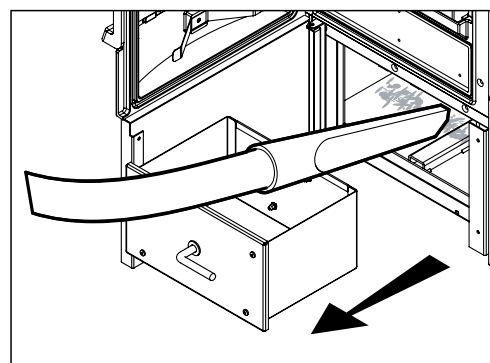


Fig. 12.6

12.2.4 Cleaning the flue

This should be performed at least twice a year, at the start of and half-way through winter, and in any case whenever necessary (Fig.12.8).

If there are horizontal sections, check for and remove any accumulated ash and soot before these block the flow of flue gas.

If not cleaned correctly, the stove may not operate properly, with problems including:

- poor combustion;
- blackening of the glass;
- blockage of the burn pot by ash and pellets;
- accumulated ash and excessive fouling of the heat exchanger, with a consequent decline in efficiency.

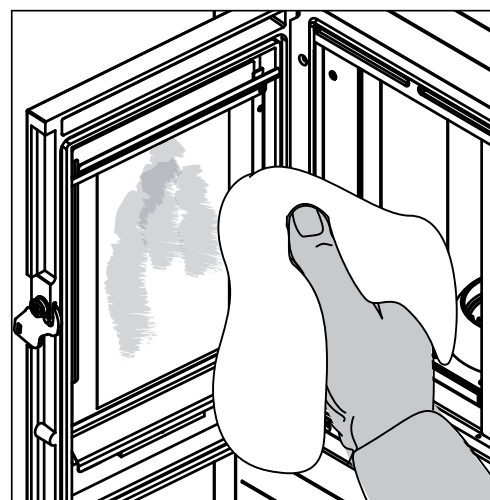


Fig. 12.7

12.2.5 Cleaning the outside of the stove

The outside of the stove must only be cleaned using a dry, non-abrasive cloth.

- ! Do not use detergents and never clean when the stove is hot.

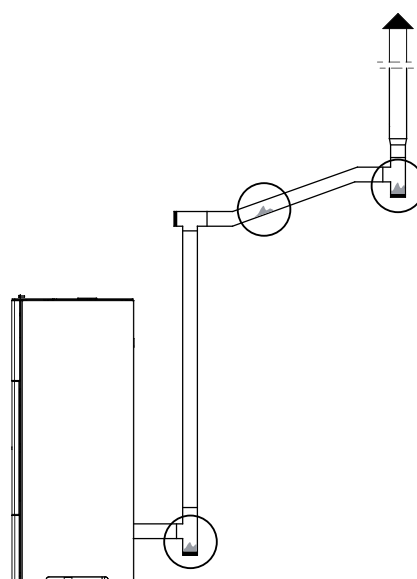




Fig. 12.8

12.3 SPECIAL MAINTENANCE

The pellet stove is a solid fuel fired heater and as such requires annual maintenance to be performed by a Palazzetti Authorised Service Centre once a year, preferably at the start of the season.

The purpose of such maintenance is to ensure all the components are in perfect working order.

If the control panel shows the  symbols together, immediately contact the Service Centre to have special maintenance performed on the stove.

This warning can be reset temporarily by pressing the  button and then starting the stove again.

The warning will be shown again until special maintenance is performed by the Authorised Service Centre, which will also reset the operating hour counter.

INSPECTION AND/OR MAINTENANCE PLAN

	WHENEVER STARTED	WEEKLY	3 MONTHS	1 YEAR
Burn pot	X			
Ash bin/Compartment		X		
Glass		X		
Ignition heater socket		X		
Flue gas manifold			X	
Door and burn pot gaskets*				X
Flue*			X	
Fans*				X

(*) responsibility of the Authorised Service Centre.

13 DECOMMISSIONING AND DISPOSAL

Decommissioning and disposal of the stove are the exclusive responsibility of the owner, who must act in accordance with the laws in force in the country where the stove is installed with regards to safety and environmental protection.

The stove may also be dismantled and disposed of by companies authorised to recover and dispose of the materials in question.



INSTRUCTION: always observe the standards in force in the country where the stove is decommissioned as regards disposal of the materials and the waste disposal report where required.

! IMPORTANT: All dismantling operations for decommissioning the stove must be performed when the stove is off and disconnected from the power supply.

- remove all electrical equipment;
- separate the batteries fitted on the electronic boards;
- have the structure of the stove scrapped by an authorised company;

! IMPORTANT: Dumping the stove in accessible areas represents a serious hazard to people and animals.

Liability for any harm caused to people or animals always lies with the owner.

When decommissioning the stove the ce mark, this manual and other documents relating to this stove must be destroyed.

PALAZZETTI

IL CALORE CHE PIACE ALLA NATURA

Palazzetti Lelio s.p.a.

Via Roveredo, 103
cap 33080 - Porcia (PN) - ITALY
Internet: www.palazzetti.it

Per conoscere il centro di assistenza tecnica
(CAT) più vicino a te consulta il sito

www.palazzetti.it

oppure chiama il numero



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