

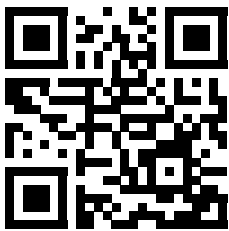
Handleiding

Palazzetti Plz Idro General

Deze handleiding wordt u aangeboden door www.climacraft.nl —
service en onderhoud voor pelletkachels,
van Almere tot Harderwijk, Amersfoort, Utrecht, Mijdrecht,
Zaandam en Purmerend.

Storing, onderhoud of keuring nodig?

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

STUFE A PELLET ECOFIRE® IDRO

ECOFIRE® IDRO PELLET STOVES - IDRO PELLETÖFEN ECOFIRE®
POELES A PELLETS ECOFIRE® IDRO - ESTUFAS DE PELLETS ECOFIRE® IDRO



EASY TOUCH

*Il presente manuale è parte integrante del prodotto.
Si raccomanda di leggere attentamente le istruzioni prima
dell'installazione, manutenzione o utilizzo del prodotto.*

*This manual is an integral part of the product.
Read the instructions carefully before installing, servicing or
operating the product.*

*Die vorliegende Anleitung ist fester Bestandteil des Produkts.
Vor der Installation, Wartung und Verwendung die Anleitungen
stets aufmerksam durchlesen.*

*Le présent manuel fait partie intégrante du produit.
Il est conseillé de lire attentivement les consignes
avant l'installation, l'entretien ou l'utilisation du produit.*

*Este manual es parte integrante del producto.
Se recomienda leer detenidamente las instrucciones antes
de la instalación, el mantenimiento y el uso del producto..*

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1 INTRODUCTION

The appliance is manufactured and tested to conform with the safety standards indicated in the applicable European directives.

This manual is intended for owners, installers, users and maintenance personnel of 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



The product is a domestic heating stove, powered exclusively with wood pellets, with automatic operation. 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 persons (including children) whose physical, sensory or mental abilities are reduced, or lack of experience or knowledge.

This appliance can be used by children over 8 years of age and people with reduced physical, sensory or mental abilities or lack of experience and knowledge if they have been supervised or instructed on the use of the device safely and understand the dangers involved..



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 2014/35/UE**: "Electrical equipment designed for use within certain voltage limits".
- B) **Directive 2014/30/UE**: "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) **EU Regulation 305/2011**: "sets harmonised requirements for the sale of construction products in abrogation of Directive 89/106/EEC".
- E) **Directive 1999/34/CE**: "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) **EN 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 **CE** 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:

- instruction manuals;
- 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.



The appliance is not designed to connect the water supply (Sanitary hot water).

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.
- In the event of stove malfunctions due to flues with incorrect draught, clean the flue.
- Do not touch the painted parts during operation to avoid damaging the paintwork.
- The appliance does not provide connection to the water connection
- The unit can be used by children over the age of 8, and by people with reduced physical, sensory or mental capabilities, or with no experience or necessary knowledge, as long as they remain under surveillance or after they have received instructions on the safe use of the unit and have understood the dangers involved. Children must not play with the unit. The cleaning and maintenance that must be performed by the user must not be carried out by children without supervision.

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 features of the pellets must comply with the requirements of EN 14961-2 (A1 or A2 category).

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.



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.



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 = Combustible wall

Pp = Floor protection

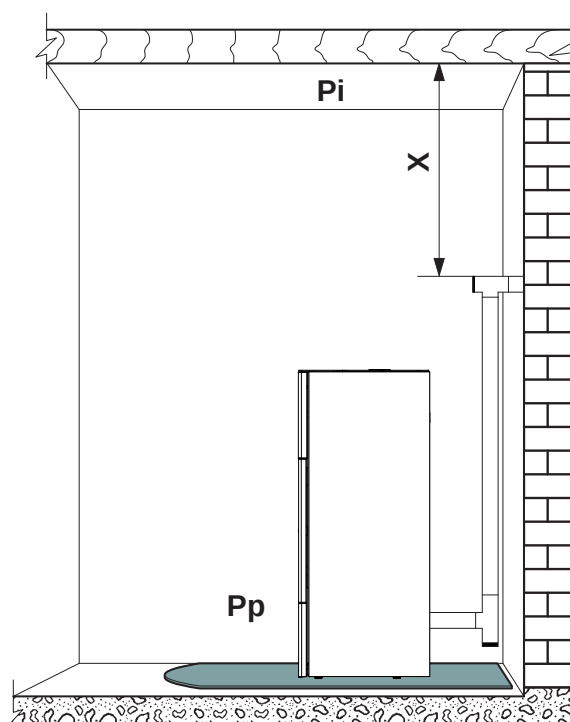


Fig. 5.2

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 = Fresh air vent).

Make the air intake hole on the wall, and let the stove be free to withdraw air in the environment, taking care, however, to connect on the air inlet tube the portion of corrugated pipe supplied by fixing it with the clamp and bending it slightly downward.

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.

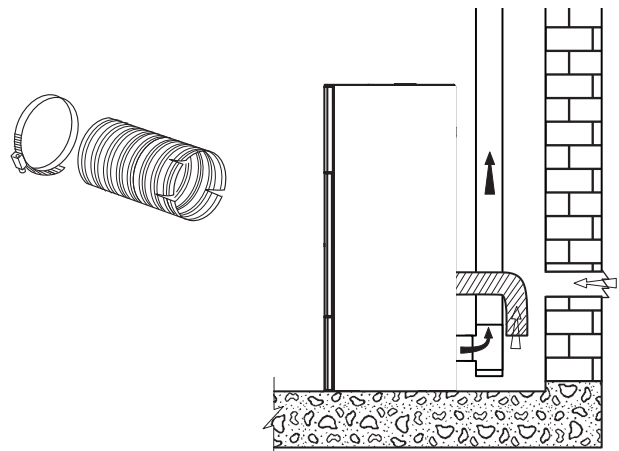


Fig. 5.3

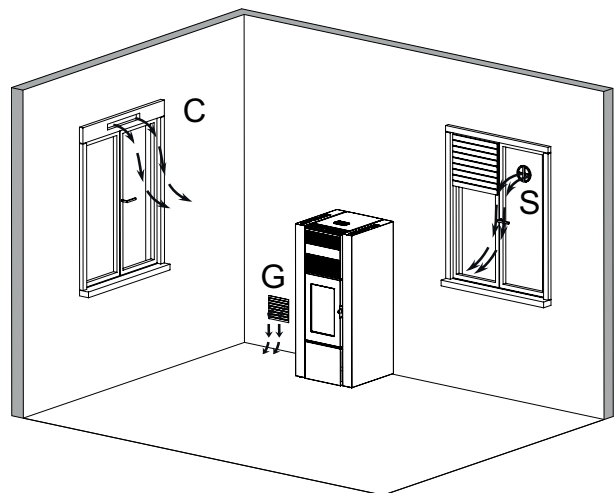


Fig. 5.4

“SEALED” SERIES STOVES

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

- 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.

- ! 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 (Fig. 5.7).

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



It is necessary to connect a pipe at the bottom of the “T” junction in order to discharge the smoke condensate that could form in the flue gas exhaust (Fig. 5.7a).

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.

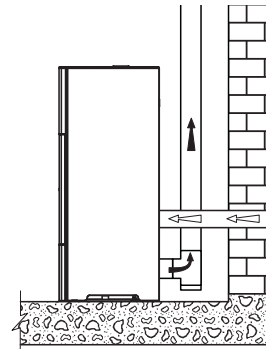


Fig. 5.6

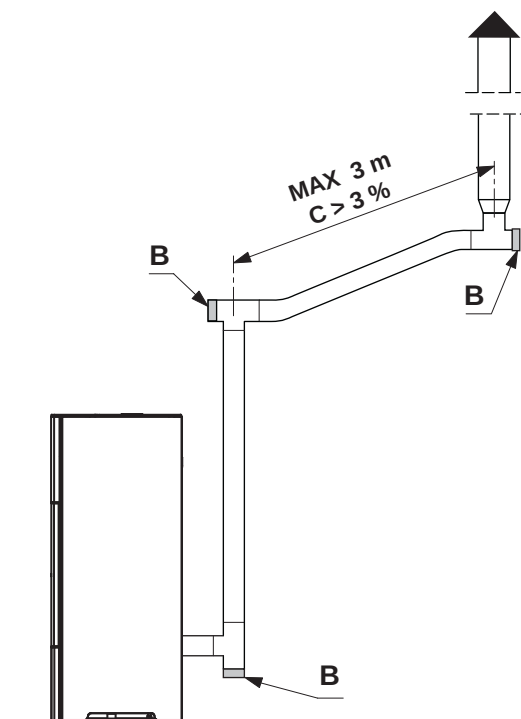


Fig. 5.7

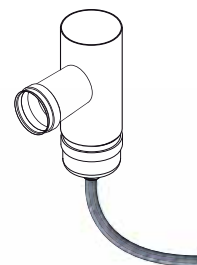


Fig. 5.7a

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.

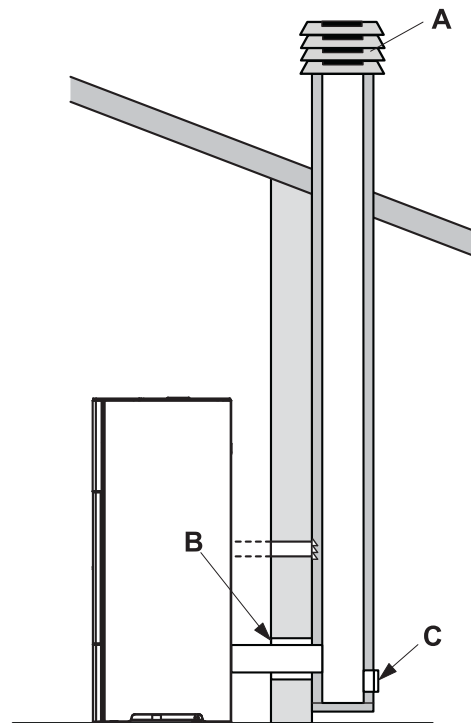
DAMAGED chimneys made from unsuitable material (asbestos cement, galvanised steel, etc.... with a rough and porous inside surface) are prohibited by law and affect proper stove operation.

The flue gas can be discharged through a traditional chimney (Fig. 5.8) as long as you make sure on the state of maintenance of the chimney.

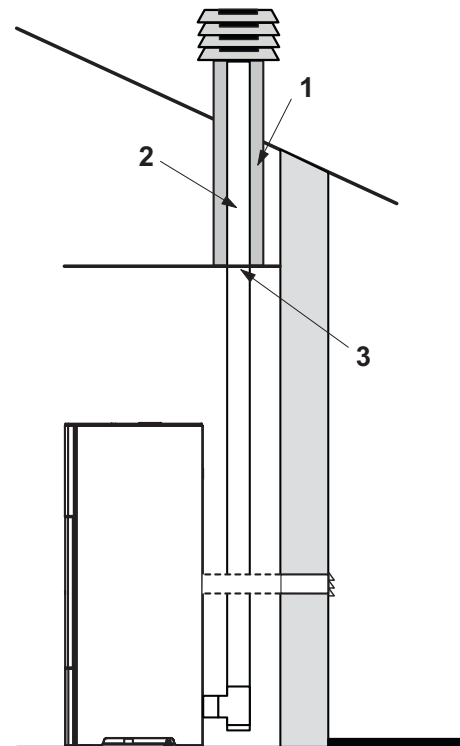
! For larger chimneys, suitably insulated steel pipes need to be inserted on the inside (diameter according to the length) (Fig. 5.9).

Makes sure connections to brick chimneys are suitably sealed.

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



A) Chimney pot with wind protection **Fig. 5.8**
B) Seal
C) Inspection



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

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.



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.

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 rear 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 **1** 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 Operation with room probe

In certain circumstances the stove may need to modulate operation based on the temperature read by the room probe fitted on the stove.



The stove must be set to configuration **2** following the instructions shown in paragraph 6.3.

6.2.4 Connection to a storage tank with coil

The stove can be used to maintain the temperature inside a storage tank fitted with coil.

In this case simply disconnect the external temperature probe from the stove and fit it in the probe socket on the storage tank.



The stove must be set to configuration **3** following the instructions shown in paragraph 6.3.

6.2.5 Connection to a storage tank without coil

The stove can be used to maintain the temperature inside a storage tank without coil.

In this case simply disconnect the external temperature probe from the stove and fit it in the probe socket on the storage tank.



The stove must be set to configuration **4** following the instructions shown in paragraph 6.3.

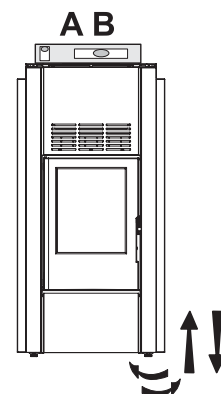


Fig. 6.1

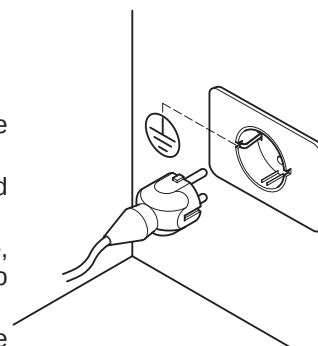


Fig. 6.2

6.3 INITIAL CONFIGURATION

Depending on the type of installation, the best configuration needs to be selected for stove operation.

Before proceeding, power up the stove using the safety switch on the rear.

Use the arrow buttons to scroll between the icons until reaching the setup menu ;

- 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) Use the   buttons to scroll to and select submenu **30**; "r--0" will flash on the display;
- d) Press  and enter the value "54" using the   buttons;
- e) Press  to confirm;
- f) The current configuration will be displayed;
- g) To change the configuration, press  and enter the value of the new configuration using the   buttons;
- h) 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..

FIVE DIFFERENT CONFIGURATIONS ARE AVAILABLE:

CONFIGURATION 1

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

This configuration can also be used to switch the stove on or off manually or by timer without using an external thermostat, but rather leaving the two terminals jumpered as per the factory setting.

In this configuration the stove switches off when reaching the external thermostat setting or alternatively modulates output (to minimise fuel consumption) when reaching the set water temperature.

The stove will turn off also in case the water temperature continues to rise despite the modulation. In this case, the stove will turn on only if the temperature difference between the value you set up and the real one is higher than 20°C.

In this configuration, it is therefore recommended to regulate a high water temperature (ex. 70°C).

CONFIGURATION 2

Set this configuration to switch the stove on or off manually or by timer when the stove is connected directly to the central heating radiators.

The stove will modulate output according to the room temperature read by the probe on the stove.

The "Eco-mode" function can be used to have the stove switch off or on based on the set room temperature.

The frost protection function can also be set in this configuration.

CONFIGURATION 3

Set this configuration when wanting to connect the stove to a storage tank with coil.

The stove will be controlled (switch on and off) based on the temperature read by the probe in the storage tank.

The frost protection function can also be set in this configuration.

CONFIGURATION 4

Set this configuration when wanting to connect the stove to a storage tank without coil.

The stove will switch on based on the temperature read by the probe in the storage tank, and will switch off based on the stove return temperature.

The frost protection function can also be set in this configuration.

CONFIGURATION 5

Set this configuration only in conjunction with the "Everspring" system.

The stove will regulate the power according to the ambient temperature read by the sensor on the "Everspring" system. It will also be possible to handle various levels of ventilation of "Everspring" directly from the stove. In summer mode, the stove is able to activate a cooling system (if fitted) coupled to the "Everspring" system.

It is possible to set the "Eco-mode" function to ensure that the stove shuts off or restarts according to the room temperature set.

USE AND & MAINTENANCE

ENGLISH

7 CONTROL PANEL

Before reading the manual, review the description of the stove given in the enclosed manual.

7.1 DESCRIPTION

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 access the submenus and set the operating parameters;

G) an enter button **↵** to confirm the parameter or the settings;



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



Fig. 7.1

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	OPTIONAL
	Timer active	Indicates whether the timer function is active.
	Status LED (near the)	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	Setting of the air fan speed when the stove is connected in configuration 5 to the Everspring system.	1..5; Auto; Hi
	Temperature	Displays the probe* temperature reading and is used to set the desired temperature. *config.1: water probe; config.2-5: room probe; config. 3-4: external/tank probe.	config.1: 65..80 °C config.2-5: 10.. 48 °C config.3-4: 45..75 °C
	Fuel	Not used	
	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] Water temperature	It allows to set the desired temperature for the water supply (only in configuration 2-5).	60 ... 80°C
		[7] Eco function	Enables or disables Eco Mode, in which the stove automatically switches off and on based on room temperature (only in configuration 2-5).	OFF; Eco
		[8] Restart delta	Is the number of degrees centigrade below the switch-off temperature at which the stove switches on again automatically (except in configuration 1).	0,5 ... 5,0°C 0 ... 40°C
		[9] Frost protection temperature	Minimum temperature below which the stove switches on (except in configuration 1).	OFF; 3 ... 20 °C OFF; 3 ... 50 °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
		[30] Installer menu	Sets/displays the stove configuration	PWD: "54"
		[31] Manual auger load	Manual activation of the pellet load system	PWD: "54"
		[33] Pump power	Menu relating to the service centre	PWD: "54"
		[34] Enable/Disable	Menu di competenza del centro di assistenza	PWD: "54"
		[40] pump modulation	Menu relating to 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, any submenus available can be scrolled using the (+ -) buttons; to set a parameter simply use the (+ -) button and 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 “annulla” button (↵) goes back up one level in the menu; pressing and holding the button displays any active alarm or error codes.

7.3 OPERATING PARAMETERS

Stove operation is determined by the Power level 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 🔥

- Use the (+ -) buttons to scroll the submenu
- Select submenu “1” and confirm by pressing (↵).
- The power level value will flash; set the value using the (+ -) (buttons (1 minimum,....5 maximum)
- Press (↵) to confirm the settings.

7.3.2 Setting the temperature

Different temperature values can be set depending on the boiler's configuration:

- 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.

Water temperature (configurations 1 only): setting this value changes the desired hot water outlet temperature.

Room temperature (configuration 2 and 5 only): setting this value defines the desired room temperature, read directly by a probe fitted on the boiler.

Storage temperature (configurations 3 and 4 only): identifies the minimum desired temperature inside the storage tank.

7.3.3 Changing the ventilation (only if connected, in configuration 5, to the Everspring system)

To change the value of ventilation of the Everspring system:

- Use the (◀ ▶) buttons to go to the fan menu 🌀 and press (↵);
- The fan speed value will blink; modify the value by pressing (+ -);
 - “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.

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.

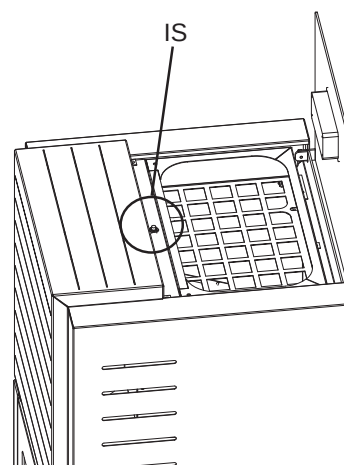


Fig. 8.1

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.



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

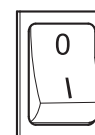


Fig. 8.2

8.3 INITIAL SETTINGS

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 ◀ ▶ buttons to go to the setup menu ⚙ and press ↵;
- b) Use the + button to select the password "7" and then press ↵ to confirm;
- c) Use the + button to scroll to and select submenu [3] and press ↵ to confirm;
- d) The hour value will flash; set the value using the + - buttons and press ▶;
- e) The minutes value will flash; set the value using the + - buttons and press ▶;
- f) The day value will flash; set the value using the + - buttons and press ▶;
- g) The month value will flash; set the value using the + - buttons and press ▶;
- h) The year value will flash; set the value using the + - buttons and press ▶;
- i) The current weekday value will flash (Monday = 1... Sunday = 7); set the value using the + - buttons;
- j) Press ↵ to confirm the settings.

8.3.2 Setting the display mode

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

- 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) Use the  button to scroll to and select submenu [!2] and press  to confirm;
- d) 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 or water probe temperature is shown, based on the type of configuration
 - "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.
- e) Press  to confirm the settings.

8.3.3 Setting the display brightness

Display brightness when in standby mode can be set.

- 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) Use the  button to scroll to and select submenu [!1] and press  to confirm;
- d) Set the desired brightness (OFF, 1 ... 5) using the   buttons and press  to confirm.

8.3.4 Setting the volume

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

- 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) Use the  button to scroll to and select submenu [!3] and press  to confirm;
- d) 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:

- 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) Use the  button to scroll to and select submenu [!4] and press  to confirm;
- d) Set one of the following values using the  and  buttons:
 - "1" • Standard pellet (En Plus)
 - "2" • Long pellet
 - "3" • Small pellet
- e) Press  to confirm the settings.

9 STOVE OPERATION

9.1 STARTING THE STOVE



Before every ignition, be sure that burning pot is completely empty and properly positioned in its seat.

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.

9.2 MODIFYING THE PARAMETERS

The stove operating parameters can be modified as described.



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 1.

In this configuration the stove switches off when reaching the external thermostat setting or alternatively modulates output (that is, the stove attempts to maintain the desired temperature while minimising fuel consumption) when reaching the set water temperature.

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.

The stove will go off automatically even in the case the water temperature keeps growing notwithstanding the modulation mode. In this case the stove will ignite only if the difference between the selected and actual temperature is over 20°C.

Therefore, if you choose this configuration, we suggest that you select a high water temperature (e.g.. 70°C).

9.5 OPERATION WITH ROOM PROBE ON THE BOILER

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

In this type of configuration, the boiler modulates output according to the room temperature read by the probe on the boiler (that is, the boiler attempts to maintain the desired temperature while minimising fuel consumption).

If the user has enabled the "Eco-mode" function under submenu [7] of the setup menu , the boiler 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 in submenu [7] of the setup menu .

The desired room temperature can be set in temperature menu .

Submenu [6] of the setup menu  can be used to set the desired water outlet temperature (the best temperature for the heating system in question should be suggested by the heating system installer).

9.6 OPERATION IN COMBINATION WITH A STORAGE TANK

For operation in combination with a storage tank, the installer will have set configuration 3 or 4, depending on whether the storage tank is with or without a coil inside.

The boiler is controlled based on the temperature read by the probe in the storage tank.

When reaching the storage tank temperature set in the temperature menu  the boiler switches off, and switches on again if the temperature falls below the delta set in submenu [8] of the setup menu .

The frost protection function can also be set in this configuration.

OPERATION IN CONJUNCTION WITH THE "EVERSPRING" SYSTEM



Before using the product in combination with the "Everspring" system, read all the documentation supplied with the system and ensure having received adequate instructions from the installer on operation of this system and of any cooling units present.

When the stove is connected to the Everspring system, it must be set in configuration 5.

In this configuration, it can be switched on/off manually or in scheduled mode.

The stove can operate in winter mode (default) or in summer mode, if the Everspring system also includes a cooling unit.

Via the ventilation menu , the user can change the speed of the hot/cold air through the Everspring unit.

9.6.1 Winter Mode

To switch from summer to winter mode, with the stove off (cold) but still connected to the mains:

- Using the keys   navigate to the power menu  and press the key ;
- The "SUN" value will flash; change it with the key  until a value of between 1 and 5 is reached;
- Press the key  to confirm your choice.

In this type of configuration, the boiler modulates the power according to the ambient temperature read by the probe on the Everspring system (i.e. the boiler aims to maintain the desired temperature while minimising consumption).

Where the user has enabled the "Eco-mode" function in the sub-menu [7] of the set-up menu , the boiler, instead of modulating, will switch off when the temperature set is reached and switches back on again when the ambient temperature drops below the delta specified in the sub-menu [8] of the set-up menu .

It is possible to set the desired temperature in ambient in the temperature menu .

In sub-menu [6] of the set-up menu  it is possible to set the desired temperature of the supply water (it is advisable to set this temperature at around 70°C).

9.6.2 Summer Mode (to be used if there is a cooling unit combined with Everspring)

To switch to summer mode, with the stove off (cold), but connected to the mains, simply:

- Using the keys   navigate to the power menu  and press the key ;
- The current value will flash; change it with the key  until the "SUN" value is reached;
- Press the key  to confirm your choice.



Set the desired summer temperature in ambient in the temperature menu .

In this mode, the stove will activate the cooling unit when the ambient temperature exceeds the temperature set in the temperature menu  and switches off the unit when the ambient temperature drops below the delta specified in the sub [8] of the set-up menu .



After setting summer mode, to activate its operation, press the power key  on the control panel.

10 FUNCTIONS AVAILABLE

10.1 TIMER FUNCTION

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 2.

To enable/disable the function:

- 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 [7] and confirm by pressing .
- Set one of the following values using the   buttons:
Eco → “Eco Mode” function enabled
Off → “Eco Mode” function disabled
- Press  to confirm the settings.

10.3 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.

10.4 “LOCK KEYPAD” FUNCTION

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

To enable/disable the function:

- 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 [10] and confirm by pressing .
- 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
- Press  to confirm the settings.

10.5 FROST PROTECTION FUNCTION

In configurations 2, 3 and 4 a minimum temperature can be set below which the boiler will switch on (outside of the set time bands).

Configuration 2:

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.

Configuration 3 and 4:

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...50°C);
- Press  to confirm the settings.

Setting the value to “OFF” in step d disables the function.

10.6 RESTART DELTA FUNCTION

Restart delta (configurations 2, 3, 4 and 5) 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.

Configuration 2 and 5:

To set the restart delta value:

- 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 [8] and press (↵) to confirm;
- The value will flash; change it using the (+) and (-) buttons (0,5 ... 5,0°C);
- Press the (↵) button to confirm the set value.

Configuration 3 and 4:

To set the restart delta value:

- 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 [8] and press (↵) to confirm;
- The value will flash; change it using the (+) and (-) buttons (0 ... 40°C);
- Press the (↵) button to confirm the set value.

10.7 MANUAL ACTIVATION OF THE LOAD SYSTEM

In case of first use (pellet tank initially empty) or to test operation of the load unit, manual activation of loading is possible.

On the control panel of the stove:

- Using the arrow keys (◀ ▶) navigate to the set-up menu  and press the key (↵);
- Select password "7" with the key (+) and confirm with the key (↵);
- Scroll with the key (+) and select sub-menu [31] ;
- Select password "54" with the key (+) and confirm with the key (↵);
- Holding the key (↵) the load system will activate and the display will show the incremental bars
- Releasing the key will end the load operation.

Attention!

- This function is only active when the stove is off and cold.
- Before switching on again, ensure that there are no pellets in the grate.

11 ALARM MANAGEMENT

If a malfunction occurs, the following procedure is activated:

1. audible alarm (beep);
2. one of the following system LEDs come on:   ;
3. 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 Outlet water temperature too high	No pellets Pellet quality Faulty ignition system Burn pot dirty Problems with the heating system Problems with the pump	
E105	Temperature probe malfunction	Faulty return water temperature probe	
E106	Temperature probe malfunction	Faulty buffer tank temperature probe	
E108*	Safety error	Door or loading hatch open	
E108**	Thermal safety	Problems with the heating system Problems with the pump Problems with overheating in the pellet hopper	
E109*	Incorrect pressure or thermal cutout	Flue system dirty Seals worn Insufficient combustion air Heating system malfunction Circulation pump malfunction Pellet tank overheating	
E109**	Pressure error	Flue gas exhaust system dirty Seal gaskets worn Insufficient combustion air	
E110	Temperature probe malfunction	Faulty outlet water temperature probe Faulty air temperature probe	
E111	Flue gas temperature probe malfunction	Faulty flue gas temperature probe	
A001	Low pellet level (<i>icon flashing</i>)	Pellets running out	
A002	Scheduled maintenance warning (<i>icons flashing</i>)	The stove periodically requires maintenance to be performed by a qualified technician	 
A007	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 in the stoves equipped with micro safety-switches on the firebox door and on the pellet hopper lid.

** Only in the stoves without micro safety-switches on the firebox door and on the pellet 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 “E108 or E109”, before resetting the alarm, manually reset the thermostat located on the rear of the stove (Fig. 11.1). 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.

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.



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.12.1).

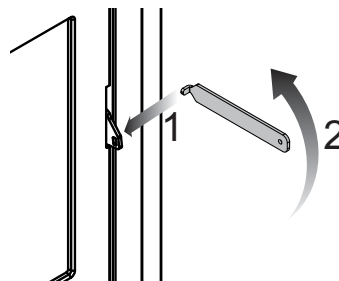


Fig.12.1

12.2.2 Daily cleaning

Remove the ash that has accumulated inside the firebox (Fig.12.2).

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.12.3).

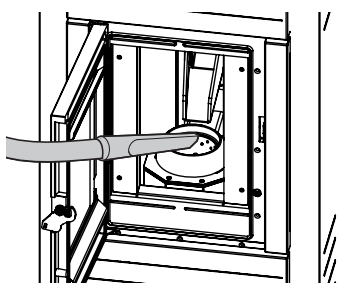


Fig.12.2

12.2.3 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 (where foreseen) and remove the bin (Fig.12.4) using the tool provided

Empty the bin into a special metal ash collection container.

Vacuum any residual ash from the compartment that houses the ash bin.

Reposition and close the ash bin. Close the doors.

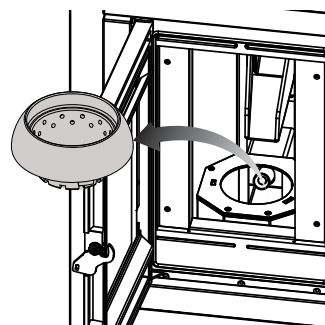


Fig.12.3

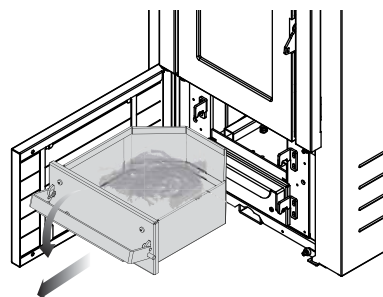


Fig.12.4

12.2.4 Cleaning the flue gas compartment

The flue gas compartment should be cleaned fortnightly or whenever necessary.

Open the door to the flue gas compartment, located under the ash bin (Fig. 12.5).

Only for models equipped with turbulators:

- Take out the lever for moving the turbulators and removing the soot (Fig. 12.6).
- Insert this into the special notch and move it up and down to remove the soot deposits from the tubes (Fig. 12.7).
- Remove the lever and put it back in its original place.

Use a special ash vacuum cleaner to vacuum up the residues on the flue gas manifold.

Carefully close the compartment door again.

! An accurate clearing of heat exchanger smoke ducts has to be done at least one time before the heating season from authorized service.

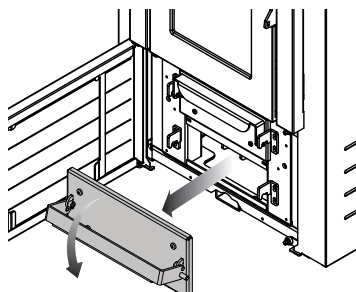


Fig.12.5

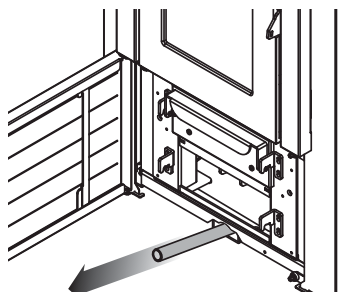


Fig.12.6

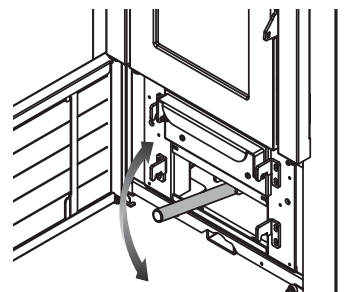


Fig.12.7

12.2.5 Cleaning the glass (where foreseen)

This is done using a damp cloth or moistened paper passed through the ash.

Rub until the glass is clean. Detergents suitable for cleaning kitchen ovens 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.

12.2.6 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.12.9).

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.

12.2.7 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.

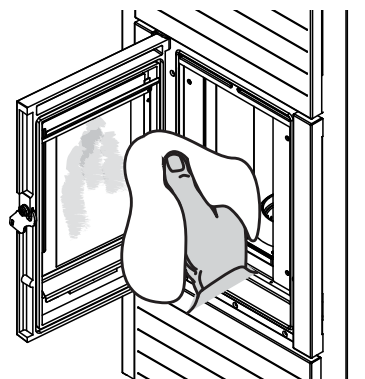


Fig.12.8

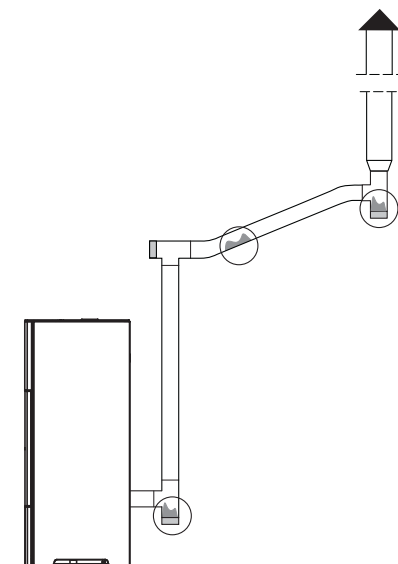


Fig.12.9

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	1 MONTH	6 MONTHS	1 YEAR
Burn pot	X				
Ash bin/Compartment		X			
Glass		X			
Heat exchanger			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.