INDEX

DICHIARAZIONE DI CONFORMITA'
DECLARATION OF CONFORMITY

La **THERMOROSSI S.P.A., VIA GRUMOLO N° 4 36011 ARSIERO (VI)**, sotto la sua esclusiva responsabilità DICHIARA che l'apparecchiatura descritta in appresso:
DECLARES that the product:

Descrizione *Description*	Stufa a pellet Pellet stove
Marchio *Trademark*	THERMOROSSI S.P.A.
Modelli *Models*	PELLET AIR 11

è conforme alle disposizioni legislative che traspongono le seguenti Direttive:
- **2004/108/CE (Direttiva EMC)**
- **2006/95/CE (Direttiva Bassa Tensione)**
- **2011/65/EU (Direttiva RoHS 2)**

is in accordance with the following Directives:
- ***2004/108/EC Directive (EMC Directive)***
- ***2006/95/EC Directive (Low Voltage Directive)***
- ***2011/65/EU Directive (RoHS 2)***

e che sono state applicate tutte le norme e/o specifiche tecniche di seguito indicate
and that all the following standards have been applied

EN 55014-1	EN 60335-1	EN 50581
EN 55014-2	EN 60335-2-102	
EN 61000-3-2	EN 62233	
EN 61000-3-3		

Ultime due cifre dell'anno in cui è affissa la marcatura CE 14
Last two figures of the year of the CE marking

Luogo Arsiero
Place

Data 10/03/2014
Date

Firma
Signature

THERMOROSSI S.p.A.
Un Amministratore

DICHIARAZIONE DI PRESTAZIONE
DECLARATION OF PERFORMANCE

Dichiarazione di prestazione in accordo con il Regolamento (UE) 305/2011
Declaration of performance according to Regulation (EU) 305/2011

N° 01

1 Codice di identificazione unico del prodotto-tipo:
Unique identification code of the product type:
PELLET AIR 11, apparecchio per il riscaldamento domestico, senza acqua, alimentato a pellet di legno
PELLET AIR 11*, residential space heating appliance without water fired by wood pellets*
EN 14785:2006

2 Numero di tipo, lotto , serie o qualsiasi altro elemento che consenta l'identificazione del prodotto da costruzione ai sensi dell'articolo 11, paragrafo 4:
Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):
PELLET AIR 11

3 Uso o usi previsti del prodotto da costruzione, conformemente alla relativa specifica tecnica armonizzata, come previsto dal fabbricante:
Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
Apparecchio per il riscaldamento domestico, senza acqua, alimentato a pellet di legno
Residential space heating appliance without water fired by wood pellets

4 Nome, denominazione commerciale registrata o marchio registrato e indirizzo del fabbricante ai sensi dell'articolo 11, paragrafo 5:
Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):
THERMOROSSI S.P.A. Via Grumolo, n° 4 36011 Arsiero (VI)

5 Sistema o sistemi di valutazione e verifica della costanza della prestazione del prodotto da costruzione di cui all'allegato V:
System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
Sistema 3 e 4 / *System 3 and 4*

6 Nel caso di una dichiarazione di prestazione relativa ad un prodotto da costruzione che rientra nell'ambito di applicazione di una norma armonizzata:
In case of the declaration of performance concerning a construction product covered by a harmonised standard:
L' organismo notificato **TÜV Rheinland Energie und Umwelt GmbH N° 2456** ha determinato il prodotto-tipo in base a prove di tipo secondo il sistema 3 ed ha rilasciato il rapporto di prova **K11632013T1**
The notified laboratory **TÜV Rheinland Energie und Umwelt GmbH N° 2456** *performed the determination of the product type on the basis of type testing under system 3 and issued test report* **K11632013T1**

Prestazione dichiarata / *Declared performance*

Specifica tecnica armonizzata: ***Harmonized technical specification:***	EN 14785:2006
Caratteristiche Essenziali ***Essential characteristics***	**Prestazione / *Performance***
Sicurezza antincendio / Fire safety	
Reazione al fuoco / *Reaction to fire*	A1
Distanza da materiali combustibili *Distance to combustible materials*	Minime distanze / *Minimum distances* (mm): posteriore / *rear* = 100 lati / *sides* = 200 frontale / *front* = 1.000 soffitto / *ceiling* = - pavimento / *floor* = -
Rischio di fuoriuscita di braci incandescenti *Risk of burning fuel falling out*	Passa / *Pass*
7 **Emissione di prodotti della combustione** ***Emission of combustion products***	CO 83,6 mg/m3 Alla potenza termica nominale / *Nominal heat output* CO 329,4 mg/m3 Alla potenza termica ridotta / *Reduced heat output*
Temperatura superficiale / *Surface temperature*	Passa / *Pass*
Sicurezza elettrica / *Electrical safety*	Passa / *Pass*
Pulizia / *Cleanability*	Passa / *Pass*
Pressione massima di esercizio ***Maximum operating pressure***	-- bar
Temperatura fumi a potenza termica nominale ***Flue gas temperature at nominal heat output***	T 170 °C
Resistenza meccanica (per sopportare un camino/una canna fumaria) ***Mechanical resistance(to carry a chimney/flue)***	NPD {No Performance Determined}
Potenza termica nominale / *Nominal heat output* Potenza termica resa in ambiente / *Room heating output* Potenza termica ceduta all'acqua / *Water heating output*	11,42 kW 11,42 kW - - kW
Rendimento ***Efficiency***	86,63 % Alla potenza termica nominale / *Nominal heat output* 90,03 % Alla potenza termica ridotta / *Reduced heat output*

8 La prestazione del prodotto di cui ai punti 1 e 2 è conforme alla prestazione dichiarata di cui al punto 7. Si rilascia la presente dichiarazione di prestazione sotto la responsabilità esclusiva del fabbricante di cui al punto 4

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4

Firmato a nome e per conto del fabbricante da
Signed for and on behalf of the manufacturer

THERMOROSSI S.p.A.
Un Amministratore

(nome e funzione)
(*name and title*)

Luogo/Place: Arsiero Data/Date: 10/03/2014

1 - INTRODUCTION

1.1 GENERAL GUIDELINES

This installation, use and maintenance guide is an integral and essential part of the product and must be kept by the user. Before commencing with the installation, use and maintenance of the product, carefully read all the instructions contained in this booklet. All local, national and European regulations regarding the installation and use of the appliance must be met. The Manufacturer recommends carrying out all the maintenance operations described in this manual.
This appliance must only be used as intended by the manufacturer. Any other use is considered incorrect and therefore hazardous; consequently, the user shall be totally liable for the product if used improperly. Installation, maintenance and repairs must be carried out by professionally qualified personnel, professionally certified according to Decree no. 37 of 22 January 2008 and in compliance with current regulations and in accordance with the instructions provided by the manufacturer of the appliance. In case of repairs only original spare parts supplied by the manufacturer must be used. Incorrect installation or poor maintenance could injure or damage people, animals or things; in this case the manufacturer shall be relieved of all responsibility. Before beginning any cleaning or maintenance operation switch off the appliance, turn off the switch located on the power panel of the appliance and disconnect the plug from the electrical power socket. The product must be installed in locations suitable for fire-fighting and furnished with all the services (power and outlets) which the appliance requires for a correct and safe operation. Any repairs or actions carried out on any systems, components or internal parts of the appliance, or on any of the accessories supplied with it, that are not specifically authorised by Thermorossi S.p.A, will automatically void the warranty and the manufacturer's responsibility, pursuant to D.P.R. 224 of 24/05/1988, art. 6/b. Keep this manual in a safe place that is easily accessible to all users: If the appliance is sold or transferred to another user ensure that the guide is handed over with it. If this manual is lost and/or damaged it is mandatory to ask the manufacturer for a replacement copy.

1.2 SAFETY GUIDELINES

PERSONAL INJURY
This safety symbol identifies important messages throughout the manual. Read the information marked by this symbol carefully as non-observance of this message can cause serious injury to persons using the appliance.

DAMAGE TO PROPERTY
This safety symbol identifies messages or instructions that are fundamental for the appliance and system to function well. To avoid serious damage to the appliance adhere strictly to these instructions.

INFORMATION
This symbol indicates important instructions for good functioning of the appliance. If this information is not correctly observed, the performance of the appliance will not be satisfactory.

1.3 RECOMMENDATIONS

Read this entire use and maintenance manual carefully before using the appliance as familiarity with the information and instructions contained in it are essential for the correct use of the appliance.
No responsibility will be accepted for damages, even to third parties, if the instructions for installation, use and maintenance of the appliance are not followed scrupulously. Modifications made to the appliance by the user or on his behalf, must be considered to be under his complete responsibility. The user is responsible for all the operations required for the maintenance of the appliance before and during its use.

1.4 GENERAL GUIDELINES

Caution: the appliance must be connected to a system provided with a PE conductor (in compliance with the specifications of 73/23/EEC, 93/98/EEC, concerning low voltage equipment).
Before installing the appliance check the efficiency of the earth circuit of the power supply system.
Caution: the power supply line must have a section which is suitable for the power of the equipment. The cable section must in any case be no less than 1.5 mm². The appliance requires powering with a voltage of 220-240 V and 50 Hz. Voltage variations greater than 10% of the nominal value can cause irregular operation or damage the electrical device. Position the appliance so that the electric power plug is easily accessible. Ensure that a suitable differential switch is installed upstream from the equipment.
Your appliance has obtained the CE marking and has been made to run for 1 hour to check that it functions correctly.
The product must not be used by children, by persons with physical or mental impairments, by persons who are not familiar with the instructions for use and maintenance of the product (the instructions are found in this booklet).
CAUTION: before each start up make sure that the brazier and the ash pan are clean and positioned correctly, check that the firebox door is closed .
CAUTION: the door must always remain shut tight when the stove is operating. It is strictly forbidden to open the door while the appliance is in operation. While the appliance is in operation the smoke exhaust pipes and the appliance itself can reach extremely high temperatures: do not touch them! Do not expose your body to hot air for long periods of time, do not overheat the room in which the appliance is installed: this type of behaviour could result in dangerous conditions for objects, animals and/or persons. Do not expose plants or animals directly to the hot air flow as this could have noxious effects on them. It is strictly prohibited to use any type of fuel (liquid, solid...) to light up the appliance: lighting must occur automatically as intended and described in this installation, use and maintenance booklet; consequently, it is also strictly forbidden to feed pellets (or any other material) into the brazier. Do not place non-heat resistant or inflammable or combustible objects in the vicinity of the appliance: keep them at a suitable distance. Do not place wet clothing to dry on the appliance. When using a clothes horse, keep at a suitable distance. It is strictly prohibited to disconnect the appliance from the electrical power mains while it is in operation.

Caution: do not wet the appliance and do not touch the electrical parts with wet hands. Never vacuum hot ash: this could damage the vacuum device. All the cleaning operations described in this manual must be carried out when the appliance is cold.

Caution! Warning for Swiss users
Refer to the local cantonal regulations imposed by the Fire Department (Mandatory signalling and safety distances) and the Note concerning installation of stoves issued by the Association of Cantonal Fire Agencies (VKF - AEAI).

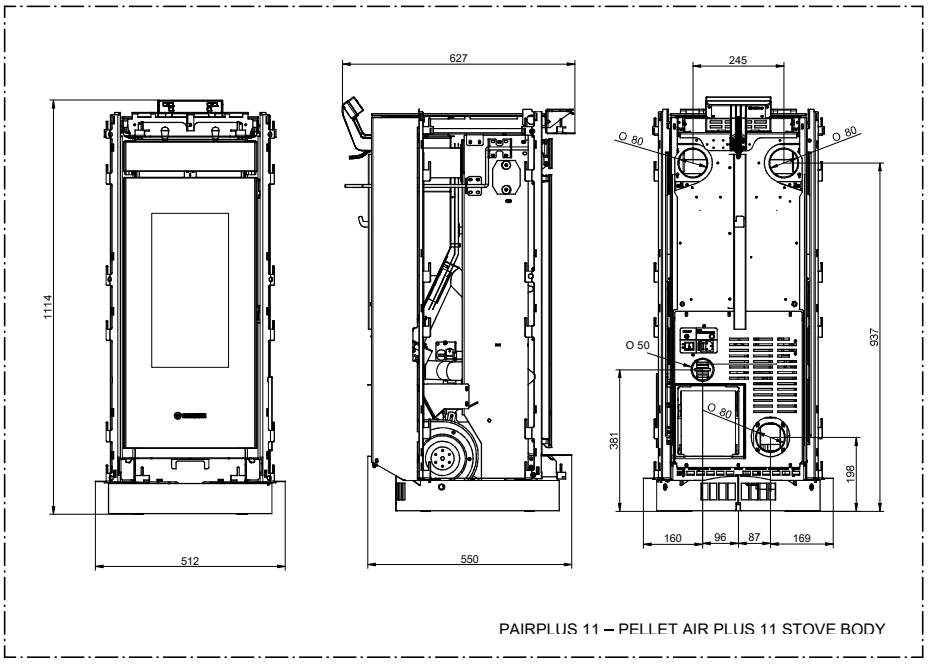
1.5 TRANSPORTATION AND STORAGE

TRANSPORTATION AND HANDLING
The appliance must always be in a vertical position when handled and exclusively by means of trolleys. Take special care to protect the electric panel, the glass, and all the fragile parts from mechanical impact which could damage them and their correct functioning.
STORAGE
The appliance must be stored in a humid-free environment and sheltered from the weather; avoid placing the appliance directly on the ground. The Company denies all responsibility for damage caused to wood floors or floors made from any other material.
It is inadvisable to store the appliance for long periods of time.

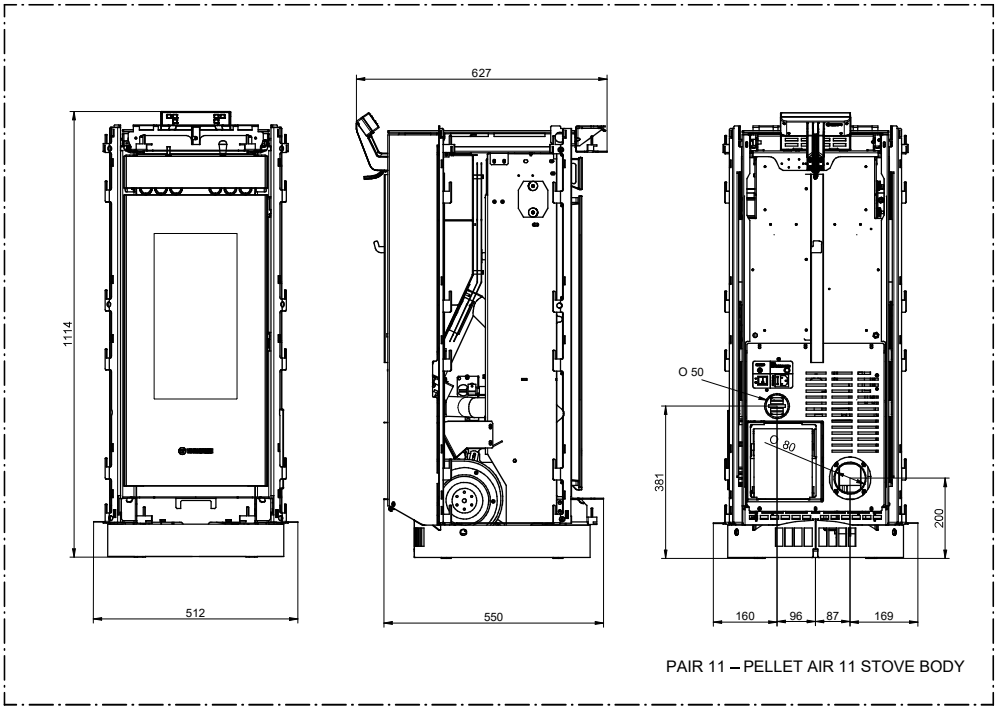
2 – TECHNICAL CHARACTERISTICS*

	PELLET AIR 11 NOT DUCTABLE	PELLET AIR 11 DUCTABLE (PLUS)
Height (mm)	1114	1114
Depth (mm)	665	665
Width (mm)	560	560
Empty weight without casing (Kg)	111	111
Firebox power Min. / Max. (KW)	4.80 / 13.18	4.80 / 13.18
Rated power Min. / Max. (KW)	4.32 / 11.42	4.32 / 11.42
Min/max consumption (Kg/h)	0.99 / 2.74	0.99 / 2.74
Ø smoke exhaust pipe (mm)	80	80
Min. draught at rated power (Pa)	10	10
Min. draught at reduced power (Pa)	10	10
Tank capacity (Kg)	approx. 19	approx. 15
Average smoke temperature at rated power (°C)	170	170
Average smoke temperature at reduced power (°C)	82	82
Smoke flow at rated power (g/sec)	11	11
Smoke flow at reduced power (g/sec)	7.5	7.5
Efficiency at rated power (%)	86.63	86.63
Efficiency at reduced power (%)	90.03	90.03
CO concentration with 13% O_2 at rated power (mg/m^3)	83.6	83.6
CO concentration with 13% O_2 at reduced power (mg/m^3)	329.4	329.4
Power supply voltage and frequency	230V 50Hz	230V 50Hz
Max electrical consumption	1.17A - 270W	1.17A - 270W
Min electrical consumption	0.34A - 70W	0.34A - 70W
Room heating capacity cubic metres	210**	210**

*** All the data are based on the stove fuelled with standards UNI EN 14961-2 A1 and A2 type-approved pellets.**
**** Important: It is important to take into consideration the fact that the heatable volume is greatly influenced by the insulation of the house (energy class of the building) and by the position of the appliance in the planimetry of the house, therefore the indicated values may vary, even significantly.**



PAIRPLUS 11 – PELLET AIR PLUS 11 STOVE BODY



PAIR 11 – PELLET AIR 11 STOVE BODY

3 – GENERAL DESCRIPTION

3.1 OPERATING TECHNOLOGY

Your appliance has been built to fully satisfy all your heating and practical requirements. Top-grade components and functions managed with microprocessor technology guarantee high reliability and optimal performance.

3.2 THE PELLET

The appliance is fuelled by pellets, that is, cylinders of compressed sawdust; it his allows you to fully enjoy the heat of the flame without having to manually stoke the combustion.
The pellet dimensions are ø 6 mm with a variable length between 10 and 20 mm. They have a maximum moisture content of 8%; thermal value 4000/4500 Kcal/Kg and density of 620-630 Kg/m³, less than 0.7% ash content. The pellet must be approved according to UNI EN 14961-2 A1 A2.
It is strictly forbidden to use any pellet type other than that specified above. The use of fuel that does not comply with the above specifications not only immediately invalidates the warranty for the appliance but can also create dangerous situations. Do not use the appliance as an incinerator, at the risk of voiding the warranty.

3.3 THE FEEDBOX

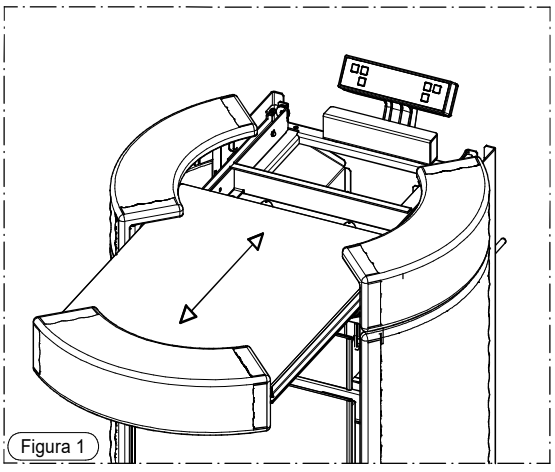


Figura 1

The feedbox is situated in the top part of the appliance. The load capacity specified in the technical data can vary according to the specific weight of the pellets.
Take special care when loading the tank of the screw feeder at its base. Take care when topping up with fuel as the loading area can get very hot.
Only pellets that comply with the specifications listed above must be fed into the tank;
Never insert foreign objects into the tank. To access the feedbox firstly remove the tank cover as illustrated in Figure 1.
CAUTION: it is normal to find some pellets remaining in the tank even if the stove shuts off because the pellets have run out.
Caution: it is very important to use the supplied glove when removing the cover as the ceramic can be extremely hot.
Caution: when loading the pellets into the tank take care not to drop any in the inner parts of the appliance, as this could cause live flames inside the appliance. The manufacturer recommends emptying the tank and vacuuming the screw feeder zone once a month and during the summer period. The appliance is designed to run on pellet fuel. Use of other combustible materials in the tank and/or combustion chamber is strictly prohibited.

4 - INSTALLATION

4.1 APPLIANCE LOCATION

Follow the general guidelines set out in paragraph 1.1 to the letter. Keep in mind that the flooring of the room in which the appliance is to be installed must withstand the total weight of the appliance combined with the pellets contained in the tank.

CAUTION: The appliance must be installed in a room with adequate ventilation. The appliance must be positioned at a minimum safe distance from walls and furnishings. If inflammable items are positioned near the appliance (matchboarding, furniture, curtains, wall hangings, sofas, etc...), this gap must be increased considerably. The recommended minimum distances are illustrated in Figure 1. If the flooring is made of wood or any other combustible material, it is recommended to install a fireproof floor protector plate between the appliance and the floor. Installation in the vicinity of heat-sensitive materials is only permitted if suitable insulating and fireproof protection is placed between the object and the appliance (ref. Uni 10683). Failure to observe this instruction will immediately invalidate the warranty.

The installer must issue a certificate of conformity for the installation which includes the design plans and the following documents:
a) Report containing the type of materials utilised.
b) Project as defined in Article 5 of Ministerial Decree n° 37 22 January 2008.
c) Drawing of the finished installation.
d) References to existing partial or previous declarations of conformity (e.g. electrical wiring).
e) Copy of the certificate of recognition of the professional technical qualifications.

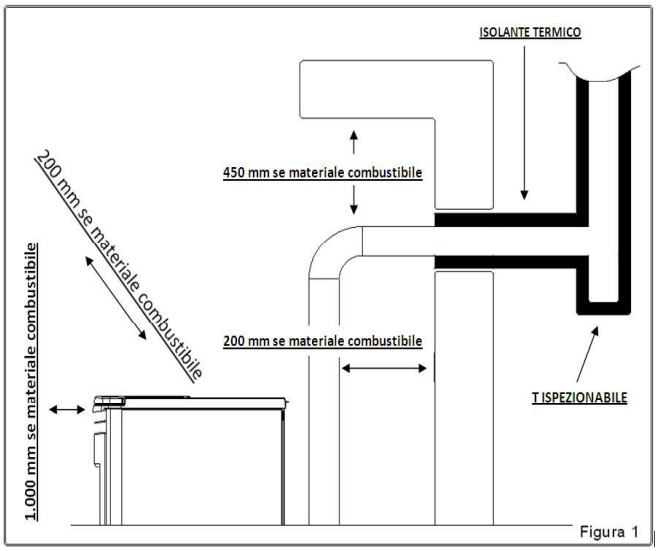


Figura 1

Legenda:	**Key:**
ISOLANTE TERMICO	HEAT INSULATING MATERIAL
200 / 450 / 1000 mm se materiale combustibile	200 / 450 / 1000 mm if the material is combustible
T ISPEZIONABILE	INSPECTABLE TEE ELEMENT

These documents must, by law, be kept together with the use and maintenance booklet. The customer is responsible for verifying, directly or indirectly, that the installation has been carried out to perfection in accordance with relevant regulations in force. Do not install the appliance in unsuitable rooms such as bedrooms, bathrooms, garages and/or lock-ups. It is forbidden to place the appliance in environments with an explosive atmosphere.
CAUTION, the stove is not simply a household appliance: if the instructions set out in this booklet are not followed and/or if installation of the appliance is not executed perfectly and/or the provisions in force are not strictly complied with, dangerous conditions could arise for both objects and persons. It is the user's responsibility to verify the presence, in the room, of a vent necessary for supplying oxygen to the generator.

4.2 UNPACKING THE APPLIANCE

To unpack the appliance remove the packaging cover and sides, undo the 4 screws C that fix the appliance to the pallet. To remove the 2 screws C indicated in Figure 1 firstly remove the bracket A by undoing the screws B. Next undo the last 2 screws C as illustrated in Figure 2.

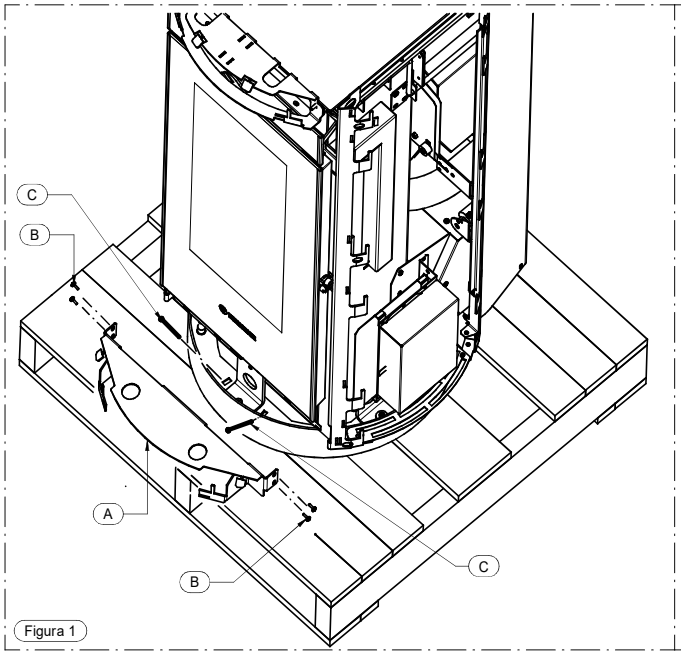


Figura 1

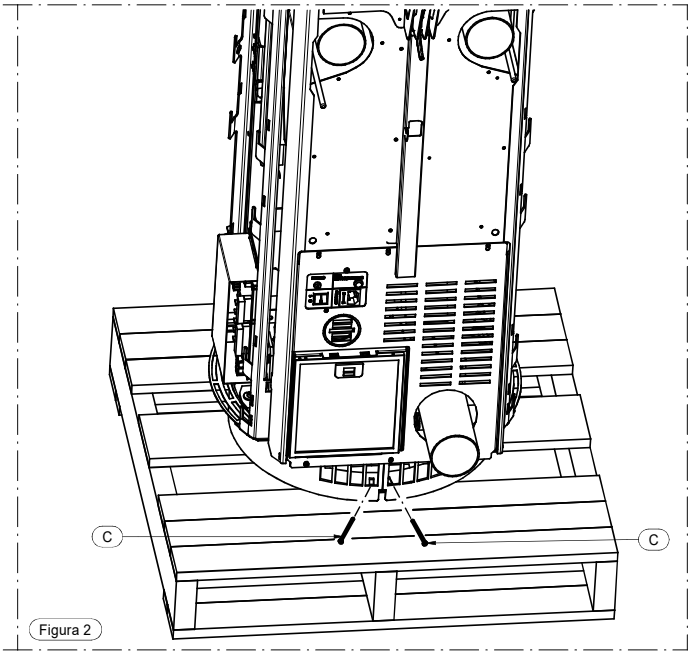


Figura 2

4.3 UNPACKING THE DORICA METALCOLOR CASING

See the specific manual for the DORICA METALCOLOR casing.

4.4 UNPACKING THE DORICA MAIOLICA CASING

See the specific manual for the DORICA MAIOLICA casing.

4.5 UNPACKING THE AROMY CASING

See the specific manual for the AROMIA casing.

4.6 UNPACKING THE AROMY STONE CASING

See the specific manual for the AROMIA STONE casing.

4.7 UNPACKING THE SAINT MORITZ CASING

See the specific manual for the SAINT MORITZ casing.

4.8 UNPACKING THE LIENZ CASING

See the specific manual for the LIENZ casing.

4.9 UNPACKING THE MONTREUX CASING

See the specific manual for the MONTREUX casing.

4.10 CONNECTING THE APPLIANCE TO THE FLUE OUTLET

Connection of the appliance to the flue outlet must be carried out in strict compliance with the instructions contained in this use and maintenance guide.

The appliance is supplied with the control panel assembled symmetrically with the generator: the connection to the flue outlet in this case must be carried out as indicated in figures 1, 2, 3. Pay particular attention when assembling the smoke outlet pipe as it must be no less 15 mm from the control panel (Figure 2): if the pipe is positioned close to the panel it would certainly damage the control panel (damage which is not covered by warranty).
Attention! In the ductable version, this installation allows you to duct the hot air from the rear using both outlets.

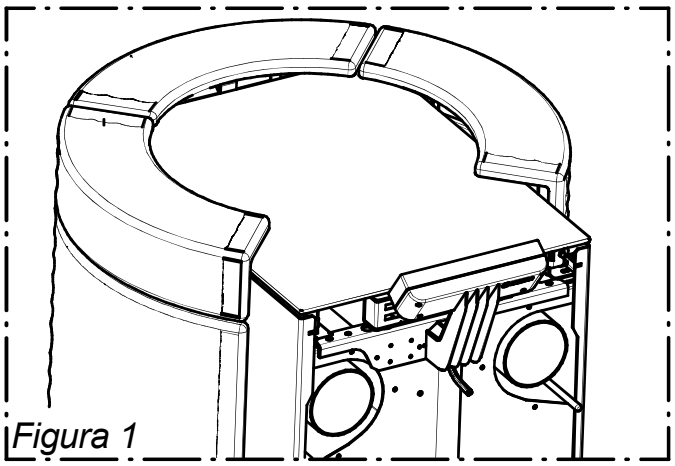


Figura 1

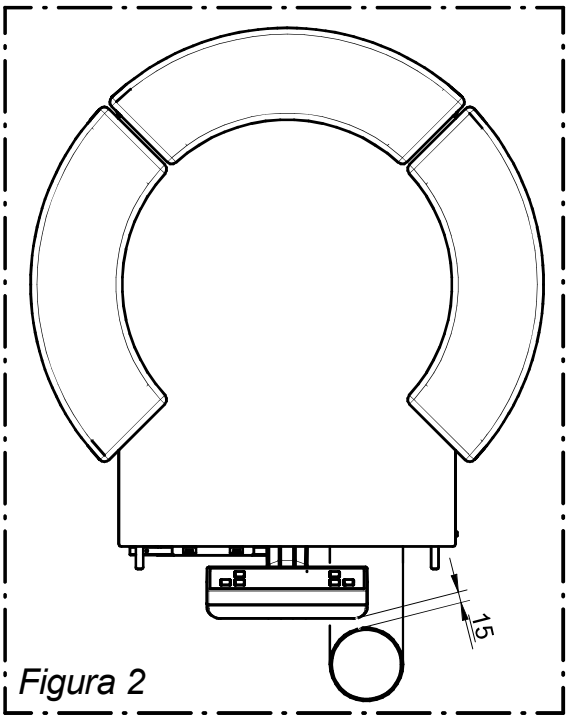


Figura 2

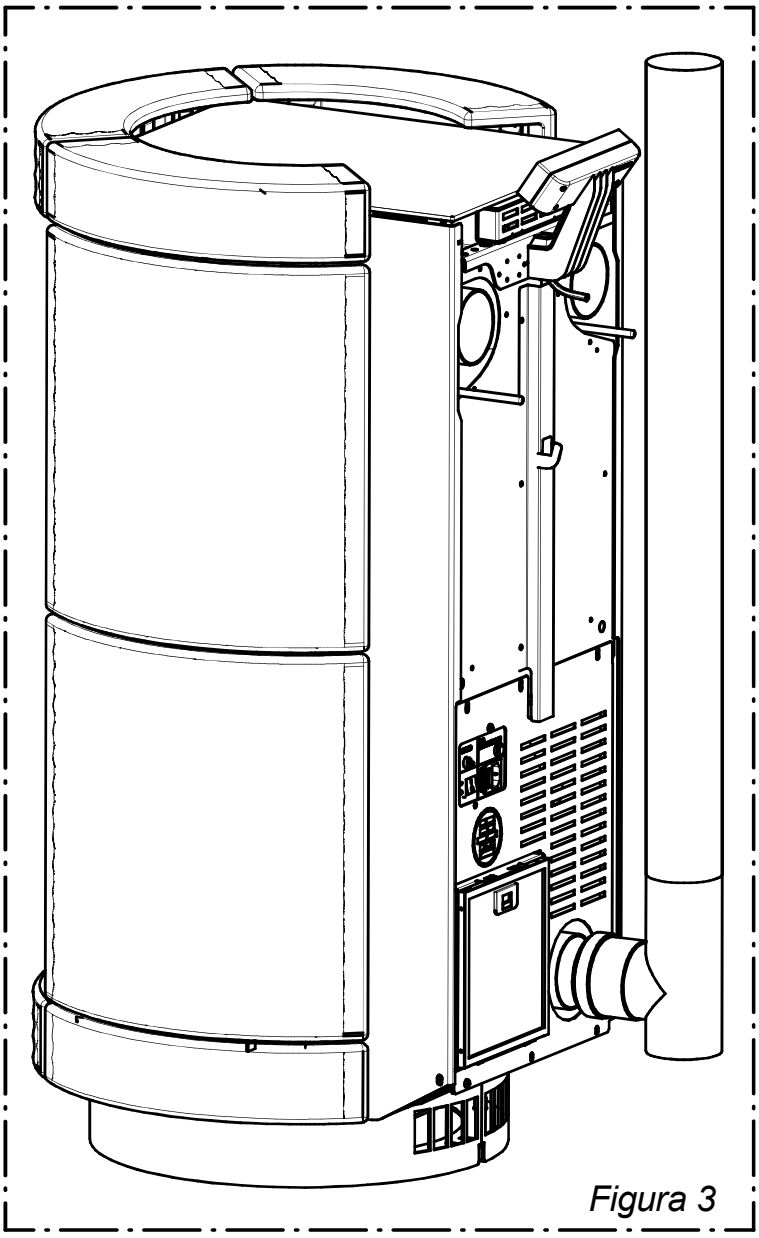


Figura 3

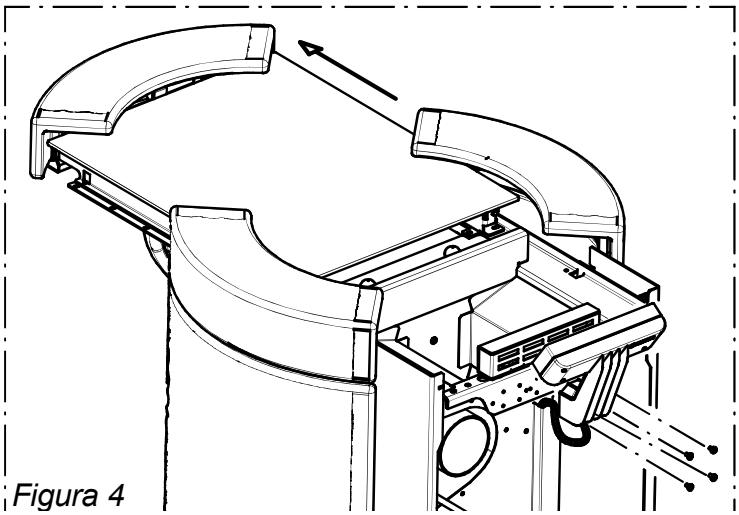


Figura 4

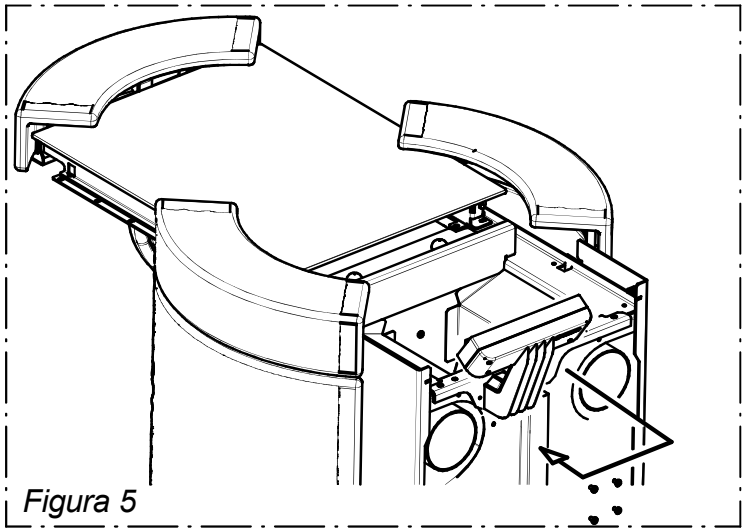


Figura 5

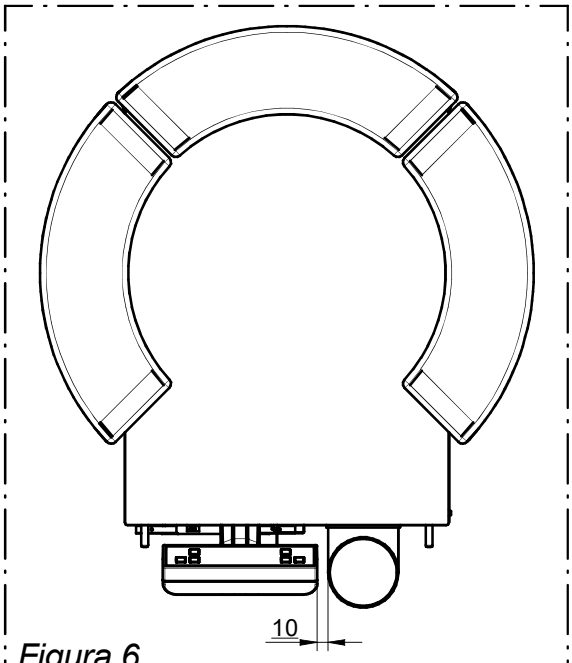


Figura 6

If there is not sufficient depth the size can be reduced to roughly 80 mm; follow the images 4, 5, 6, 7. In particular:
-Remove the tank cover (Figure 4).
- Remove the 4 screws from the control panel (Figure 4).
- Shift the panel then fix with the screws removed earlier (Figure 5).
- Pay particular attention when assembling the smoke outlet pipe as it must be no less 10 mm from the control panel (Figure 6): if the pipe is positioned close to the panel it would certainly damage the control panel (damage which is not covered by warranty).Installed in this way the hot air can be channelled to the back using only the RH side vent. Caution! In the ductable version it is strictly prohibited to channel from the LH side.

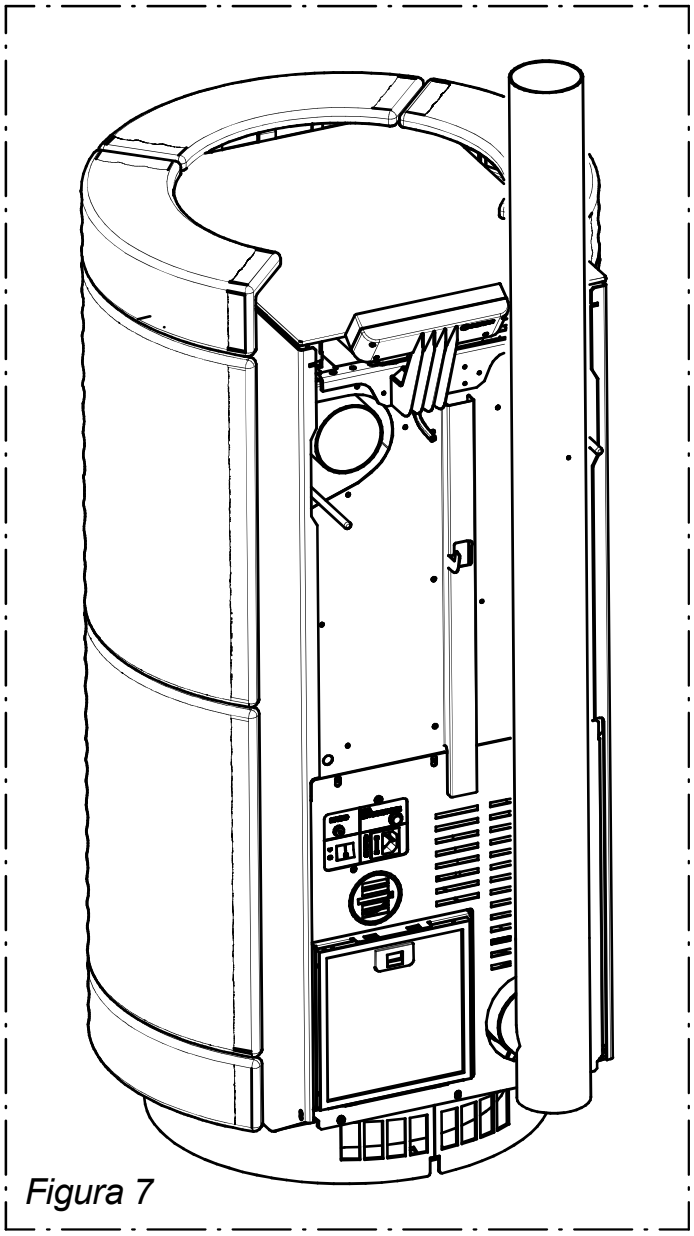


Figura 7

4.11 HANDLE

Your appliance is supplied with a handle for opening the firebox door; this tool must be used for opening the door to permit carrying out cleaning operations (see paragraph 8). The handle, when not being used, can be stored at the back of the appliance on the hook provided (see Figures 1 and 2).

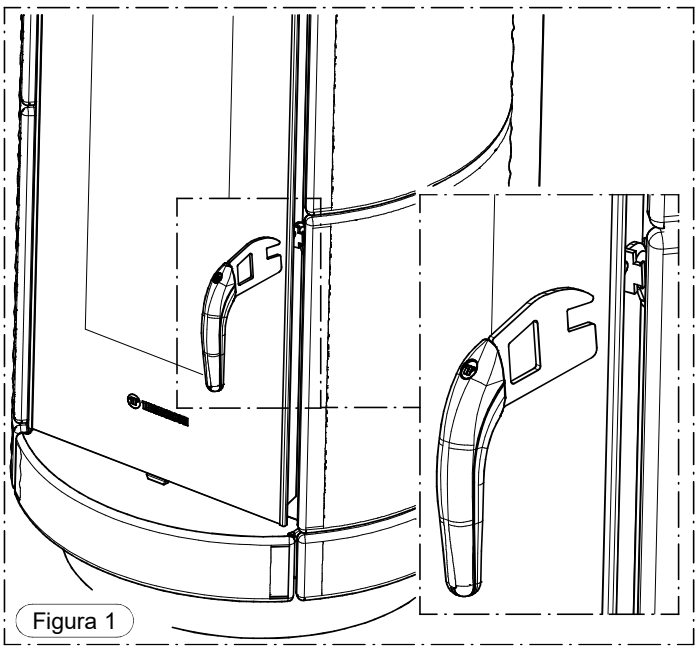


Figura 1

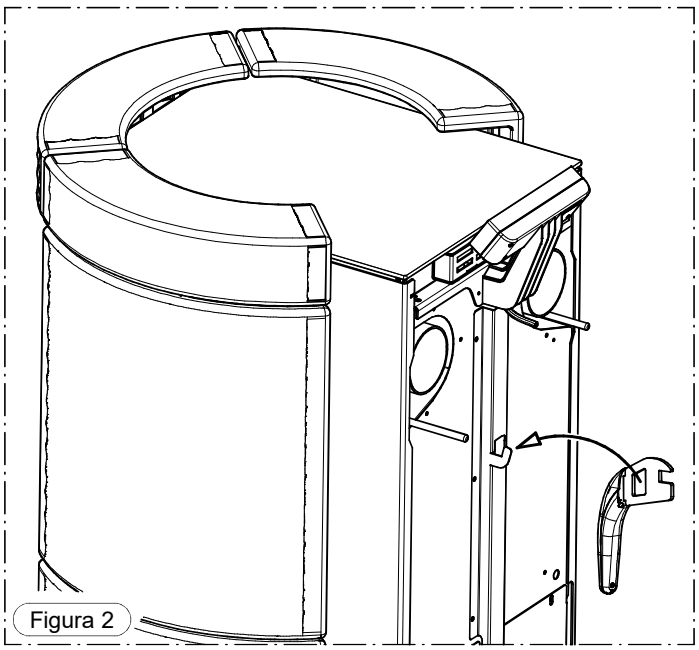


Figura 2

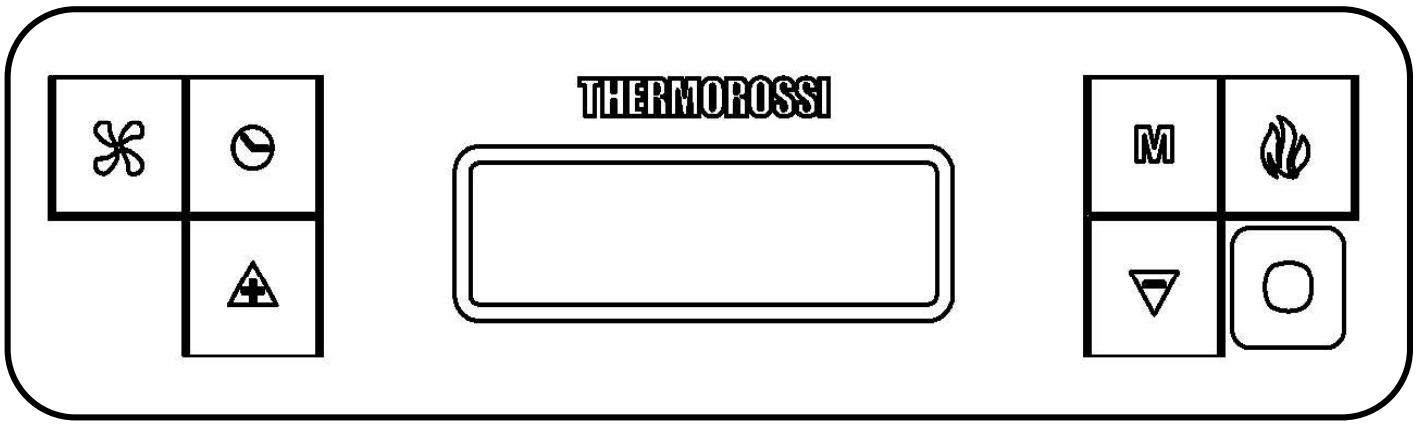
5 – DESCRIPTION OF THE CONTROLS

The appliance, when operating, could be hot to the touch, particularly the door of the combustion chamber: take care when handling the appliance components. Your appliance has obtained the CE marking and has been made to run for at least one hour to check that it functions correctly. The product must not be used by children, by persons with physical or mental impairments, by persons who are not familiar with the instructions for use and maintenance of the product (the instructions are found in this use and maintenance booklet).

CAUTION: Before each use make sure that the burner is clean and positioned correctly in its lodging.

CAUTION: the door must always remain shut tight when the stove is operating. It is strictly forbidden to open the door while the appliance is in operation. While the appliance is in operation the smoke exhaust pipes can reach extremely high temperatures: do not touch them! It is strictly prohibited to use any type of fuel (liquid, solid...) other than pallet to light up the appliance: lighting must occur automatically as intended and described in this installation, use and maintenance booklet; consequently, it is also strictly forbidden to feed pellets (or any other material) into the burn pot. Do not place non-heat resistant or inflammable or combustible objects in the vicinity of the appliance: keep them at a suitable distance. Do not place wet clothing to dry on the appliance. When using a clothes horse, keep at a suitable distance. It is strictly prohibited to disconnect the appliance from the electrical power mains during normal operation.

5.1 DESCRIPTION OF THE CONTROL PANEL



The control panel is managed by a microprocessor. The control buttons and the various displays are described below.
The control buttons are:

Clock button
Press this button to activate / deactivate the programming. (See para. 5.4),

Ventilation button
Press this button to set the desired level of ventilation: Six ventilation levels can be set on this stove. The fan starts operating as soon as the temperature inside the stove body rises and the smoke thermocouple gives the signal. The fan stops automatically when the stove body has cooled sufficiently. The fan cannot be disabled during operation.

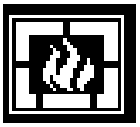
Flame button
Pressing this button when the appliance is off activates the **START** sequence (See Para. 7), sets the combustion power in the **WORK** mode (See Para. 7) or shuts off the appliance by activating the **OFF** sequence (See Para. 7).

Scroll buttons (only in the Menu)
Press MINUS key to lower the value. Press PLUS key to raise the preset value.

Menu button
Press this button to access the main menu. You can scroll the setting screens shown below, which will be described in detail in the following paragraphs. To access the functions of each subwindow wait a few seconds.

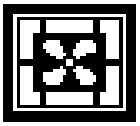
DATE This button is used to set the day of the week, the hour and minutes. (See par. 5.3)
CRONO This button is used to set the programmed on and off sequences. (See para. 5.4)
LEVEL Is used to change the rotation speed of the smoke suction unit. (See para. 5.5)
THERMOCOMFORT This button is used to activate the connection with the optional handheld radio control. (See para. 5.6)
SHOW CRONO This button is used to view the parameters programmed with the CRONO function (See Para. 5.7)

Display
The following information can appear on the display:



Displays the preset **combustion power**, and consequently the pellet consumption**,** by the number of bars that are lit up around the flame symbol, using this logic:

One bar lit up: Minimum combustion power (and therefore with minimum pellet consumption)
Two bars lit: Second combustion power
Three bars lit: Third combustion power
Four bars lit: Fourth combustion power
Five bars lit up: Maximum combustion power (and therefore with maximum pellet consumption)
No bars lit up: The appliance is OFF



Displays the preset **ventilation power**, and consequently the room fan speed**,** by the number of bars that are lit up around the fan symbol, using this logic:

One bar lit: Minimum ventilation power
Two bars lit: Second ventilation power
Three bars lit: Third ventilation power
Four bars lit: Fourth ventilation power
Five bars lit: Fifth ventilation power
Six bars lit: Maximum ventilation power

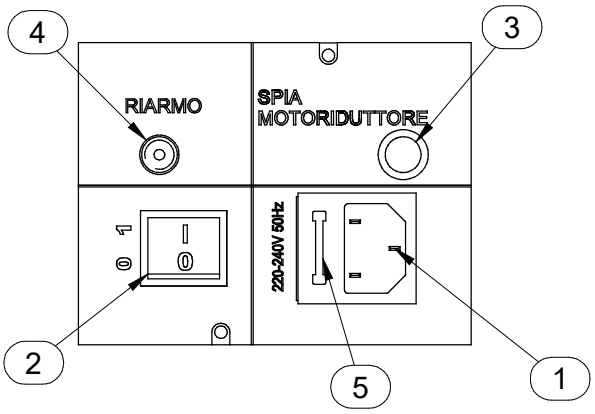
Dashes appear along the top of the display, and each dash corresponds to one day of the week set by the user (e.g. 1 corresponds to Monday, 2 correspond to Tuesday… etc.).
The operating status of the appliance appears below these dashes, that is START, OFF or WORK. And the current time set by the user appears below this word.

The presence in the display of the clock symbol indicates that the CRONO programming has been enabled; if this symbol does not appear it means that the CRONO programming has been disabled. (See Par. 5.4)

5.2 DESCRIPTION OF THE POWER PANEL

The components of the power panel are described below:

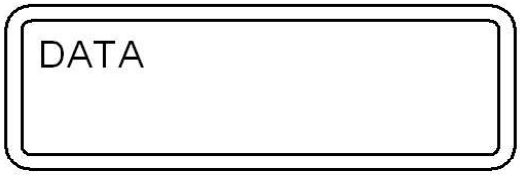
1) Electrical power outlet 220V-240V 50Hz
2) Main switch 0/I.
3) Test light for pellet feed motor.
The light comes on simultaneously with the activation of the pellet feed motor.
4) Cap for reset thermostat button.
If the reset thermostat overheats stop the pellet feeder. The appliance must cool down before you can restart the appliance. After verifying and eliminating the causes of the event, undo the protective cap and press the button.
5) Safety fuse.



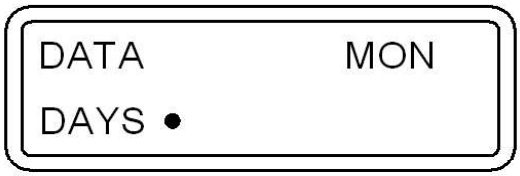
Legenda:	**Key:**
RIARMO	RESET
SPIA MOTORIDUTTORE	RATIO MOTOR INDICATOR

5.3 DATE: SETTING THE DATE AND TIME

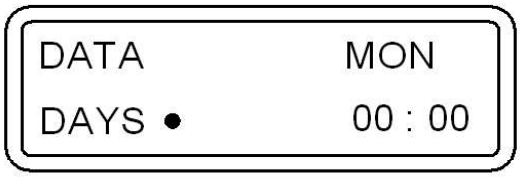
The appliance must be energised and the I/0 switch in position "1".
The current date and time can be set using the DATE function.
To set the current time and date proceed as follows:
1) Press the **Menu Button** once to view the following screen:



After a few seconds the following screen will appear on the display:



2) Now press the **Scroll Buttons** to change the day of the week; each dot corresponds to one day of the week (e.g. 1 corresponds to Monday, 2 correspond to Tuesday, etc...). To confirm the selection of the day of the week press the **Flame Button**.
Once confirmed, the selector shifts to the flashing hour section:



3) Press the **Scroll Buttons** to change the hour. Once you have set the hour confirm the value by pressing the **Flame Button.** Once confirmed, the selector shifts to the flashing minutes section. Press the **Scroll Buttons** to set the minutes. Press the **Flame button** to confirm.
Once confirmed, the date and time setting screen closes automatically and the initial screen returns to the display.

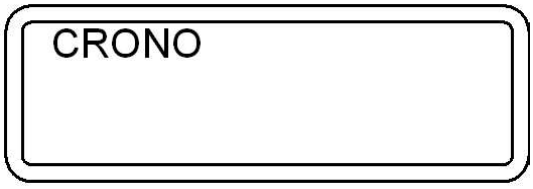
<u>If you confirm the wrong value simply press the **Menu Button** to exit the box, the initial screen will appear, and repeat the procedure described above</u>.

5.4 CHRONO: ON/OFF PROGRAMMING

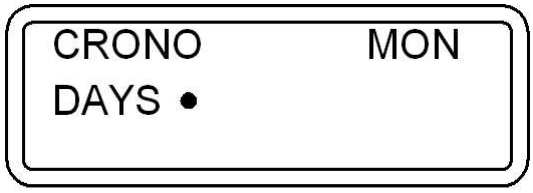
The appliance must be energised and the I/0 switch in position "I".

The CRONO function allows you to set the weekly program by setting up to 3 on-off cycles at different times for every day from Monday through to Sunday.

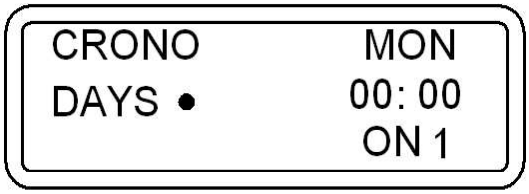
To set a program follow the procedure described below:
1) Press the **Menu Button** twice quickly to view the following screen:



After a few seconds the following screen will appear on the display:

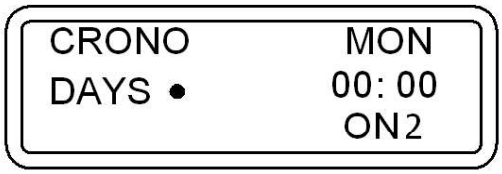


2) Press the **Scroll Buttons** to select the day of the week on which you want to set the program. Each dot corresponds to one day of the week (e.g. 1 corresponds to Monday, 2 correspond to Tuesday, etc...). To confirm the day of the week selected for the programming press the **Flame Button**. The following screen will appear with the hour section flashing:



3) Now press the **Scroll Buttons** to select the hour at which you wish the appliance to start up automatically (ON1). Once the hour has been set, confirm the value by pressing the **Flame Button.**
   Once confirmed, the selector shifts to the flashing minute section of ON1. Press the **Scroll Buttons** to set the minutes for the first start up. Confirm the value by pressing the **Flame Button**.
4) Now press the **Scroll Buttons** to select the hour at which you wish the appliance to shut off automatically (OFF1). Once the hour has been set, confirm the value by pressing the **Flame Button.**
   Once confirmed, the selector shifts to the flashing minute section of OFF1. Press the **Scroll Buttons** to set the minutes for the first shut off. Confirm the value by pressing the **Flame Button**.

At this point the first ON/OFF cycle for the selected day has been set.
The following screen will appear:

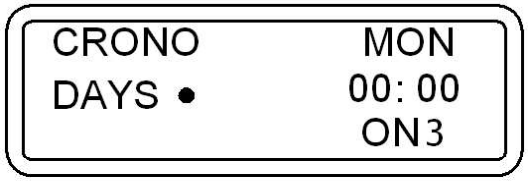


At this point if no further programming is required for that day go to point 5-A.
If, on the other hand, you wish to program a second ON/OFF cycle for that day go to point 5-B.

5-A) Press the **Menu Button** to exit the screen, in order to enable you to program the times for the ON/OFF cycles for the other days of the week. In this case repeat the instructions from point 2 up to this paragraph.

5-B) Press the **Scroll Buttons** to select the hour at which you wish the appliance to start up automatically for the second time (ON2). Once the hour has been set, confirm the value by pressing the **Flame Button.**
   Once confirmed, the selector shifts to the minute section of ON2. Press the **Scroll Buttons** to set the minutes for the second start up. Confirm the value by pressing the **Flame Button**.
   Now press the **Scroll Buttons** to select the hour at which you wish the appliance to shut off automatically (OFF2). Once the hour has been set, confirm the value by pressing the **Flame Button.**
   Once confirmed, the selector shifts to the minute section of OFF2. Press the **Scroll Buttons** to set the minutes for the second shut off. Confirm the value by pressing the **Flame Button.**

At this point the second ON/OFF cycle for the selected day has been set.
The following screen will appear:



At this point if no further programming is required for that day go to point 6-A.
If, on the other hand, you wish to program a third ON/OFF cycle for that day go to point 6-B.

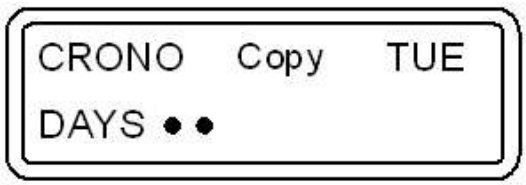
6-A) Press the **Menu Button** to exit the screen, in order to enable you to program the times for the ON/OFF cycles for the other days of the week. In this case repeat the instructions from point 2 up to this paragraph.

6-B) Press the **Scroll Buttons** to select the hour at which you wish the appliance to start up automatically for the third time (ON3). Once you have set the hour confirm the value by pressing the **Flame Button.**
Once confirmed, the selector shifts to the minute section of ON3. Press the **Scroll Buttons** to set the minutes for the third start up. Confirm the value by pressing the **Flame Button**.
Now press the **Scroll Buttons** to select the hour at which you wish the appliance to shut off automatically (OFF3). Once the hour has been set, confirm the value by pressing the **Flame Button.** Once confirmed, the selector shifts to the minute section of OFF3. Press the **Scroll Buttons** to set the minutes for the third shut off. Confirm the value by pressing the **Flame Button.**

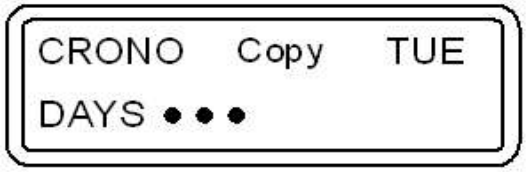
At this point the third and final ON/OFF cycle for the selected day has been set.

Alternatively, if you wish to copy the exact same programming for the ON/OFF cycles set for a particular day to the next day simply press the **Ventilation button**.

For example: if I want to copy all the programmed ON/OFF cycles set for Monday to Tuesday the following screen will appear:



I press the **Ventilation button** once again to copy all the cycles programmed for Tuesday to Wednesday. The following screen will appear:



Using the same logic we can copy the programmed cycles to the other days.

7) To conclude the programming operations simply press the **Menu Button** to exit the screen, and the initial screen will appear.

ATTENTION: The appliance ignores any ON or OFF command programmed with a value of 00:00. Consequently if you do not wish to use an ON or OFF time setting simply set a value of **00:00**. The appliance ignores any ON or OFF command if the shut off time is set the same as or before the start up time.

ATTENTION:
In the event of a programmed cycle on always ensure that the brazier is clean and seated correctly in its lodging: failure to clean the brazier can reduce and/or affect the life of the spark plug as it would be subjected to high temperatures due to poor cooling. It is recommended to set ON/OFF cycles times lasting no less than 2 hours, in order to save energy and for the proper operation of the appliance.

.

Enabling the programmed cycles:

Back in the initial screen, to enable the appliance to carry out the ON/OFF cycles as programmed simply press the **Clock Button**. The text CR.ON and the image of a clock will appear on the main screen:

The programmed cycles are now enabled.

When the programmed cycles are enabled (a clock symbol appears on the display) it will not be possible to use an additional chronothermostat (see Para. 8.2).

Disabling the programmed cycles:

To disable the appliance from carrying out the programmed ON/OFF cycles press the **Clock Button** once again.

The text CR.OFF will appear on the display and the clock symbol will disappear. This operation disables the weekly program that has been set by the user but does not delete or reset the times.

Resetting the programmed cycles:
Moreover, it is possible to reset, in other words delete, all the programmed cycles entered by the user by holding down the **Clock Button** in the initial screen for approx. five seconds.

Do not release the button until the text RESET CRONO appears on the screen. Only the appearance of the words RESET CRONO signal that the previously entered programmed cycles have been deleted. When the programmed cycles are active the operating level at start up, that is the combustion power, will be the same level set before the last time the machine was shut off: that is, only if it was a programmed shut off, not if the machine was shut off by means of a manual action. Manual shut down can only be carried out with the programming disabled. If after a manual shut off the programmed cycle re-enables, at the next programmed start up the appliance will be on the first combustion power level.

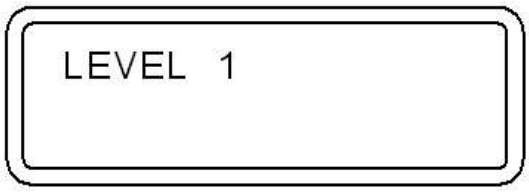
5.5 LEVEL: OPERATING LEVEL SETTING

The appliance must be energised and the I/0 switch in position "I".
Your appliance is delivered with an excellent program installed that favours combustion efficiency; the program is called **LEVEL 1**.

However, if you are using pellets with a higher than normal incidence of residues after combustion in the brazier, it is possible to select alternative levels:
LEVEL 2 is an operating program that accelerates the speed of the smoke suction unit in proportion to all the combustion power levels. This level must be set when the user notices a weak, high and very dark flame. Attention: this modification does not authorise the use of below-standard pellets, or no vacuum in the flue outlet.

If using loosely compressed pellets, you could select:
LEVEL 0: is an operating program that decelerates the speed of the smoke suction unit when using loosely compressed pellets and/or when the flue outlet has a very high vacuum, over 2 mm water column (20 Pascal).
The pellet consumption value remains unchanged regardless of the selected operating level. These variations will only change the rotation of the smoke suction unit in the WORK stage, all the other stages will not undergo any changes.
Select the required Level by acting as follows:
1) Press the **Menu Button** three times quickly and the following box will appear:

After a few seconds the following screen will appear on the display:



2) To change the operating level, hold down a **Scroll Button** while simultaneously pressing the other **Scroll Button.**

To set the desired level or to exit the screen simply press the **Menu Button;** the initial screen will appear on the display.
The level selection can be made with the appliance **OFF** or **ON**. If the change is made while the appliance is running the difference in the flame will be apparent. It is mandatory to pay particular care when selecting the most appropriate operating cycle for your installation. After the selection of the operating cycle a thorough cleaning of the brazier is mandatory.

5.6 THERMOCOMFORT: ACTIVATING THE CONNECTION WITH THE HANDHELD RADIO CONTROL (OPTIONAL)

The appliance must be energised and the I/0 switch in position "I".

This function enables you to activate the connection of the appliance with the optional THERMOCOMFORT handheld radio control (See Para. 6).
The THERMOCOMFORT function can be activated by proceeding as follows:

1) Press the **Menu Button** four times quickly until the following screen appears:

After a few seconds the following screen will appear on the display:

2) Press the left **Scroll Button** and the following screen will appear (Select ON to activate).

ATTENTION: It will only be possible to activate the THERMOCOMFORT function and select ON in the previous screen if the appliance detects the radio control signal. It is therefore recommended to ensure that the radio control is energised and within close vicinity of the appliance.

3) To confirm the activation of the THERMOCOMFORT function or to exit the screen simply press the **Menu Button** to return to the initial screen.

The THERMOCOMFORT symbol will be present on the initial screen if the appliance is in the START or WORK stage:

The Thermocomfort function is automatically disabled when the appliance is OFF. It automatically reactivates at the next START up.

To **disable** the THERMOCOMFORT function simply repeat operations 1 and 2, but this time select the OFF command. The function will be disabled immediately.

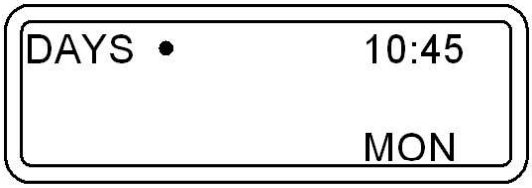
5.7 SHOW CHRONO: ON-OFF PROGRAMMING DISPLAY

The appliance must be energised and the I/0 switch in position "I".

This function enables you to consult the programmed ON/OFF cycles carried out through the CRONO function (See Para. 5.4).

Proceed as follows to view the ON/OFF cycles:

1) Press the **Menu Button** five times quickly until the SHOW CRONO screen appears, and after a few seconds the following screen will appear:



2) Press the left **Scroll Button** repeatedly to scroll and consult the programmings for all the days of the week.

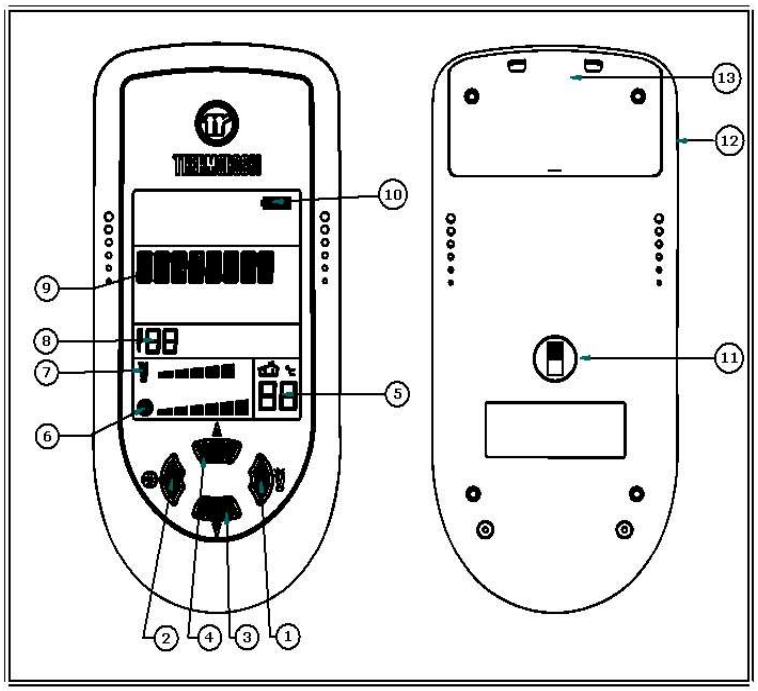
Caution: the on-off programmings cannot be modified from the "SHOW CRONO" menu,
this menu is used only for viewing the programs that have been entered and/or edited through the "CRONO menu".

6 - OPERATION OF THE HANDHELD RADIO CONTROL THERMOCOMFORT (OPTIONAL)

The Thermocomfort handheld radio control is the instrument that allows you to optimise both consumption and functions.
If set in AUTO mode, the radio control detects the room temperature where it is located and automatically manages the modulation of the combustion power and the ventilation power of the appliance according to the target temperature set by the user in the radio control.

If set in MANUAL mode, the user can select both the ventilation power and the flame power .

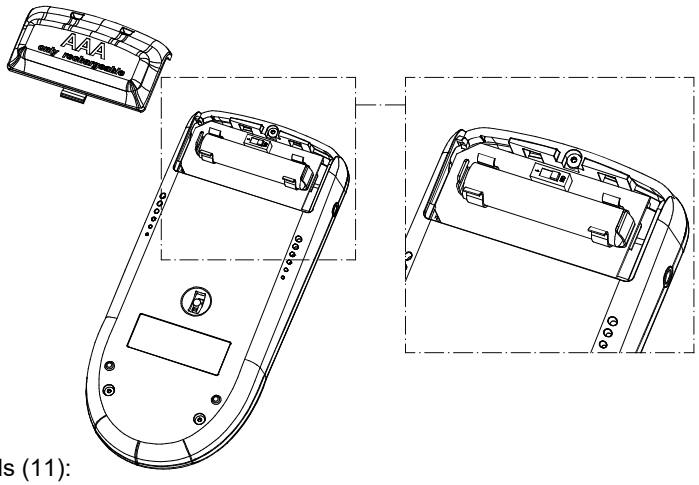
6.1 INDICATORS OF THE HANDHELD RADIO CONTROL



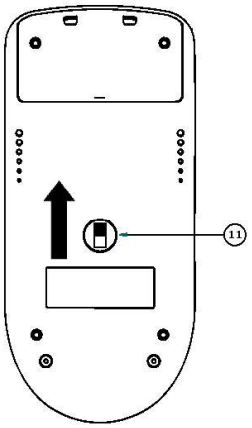
1 Flame button
2 Ventilation button
3 DOWN key
4 UP key
5 Displays the room temperature detected by the radio control sensor
6 Ventilation power indicator
7 Combustion power indicator
8 Target room temperature indicator, use buttons 3 and 4 to change the value
9 Area of the display where the operating program is displayed
10 Battery charge level
11 Main switch 0-1 radio control power supply
12 Battery charger connection
13 Code selector and batteries compartment cover

To switch on the radio control, the following operations must be carried out:

1) Remove the battery cover and flick the main switch to ON, as illustrated in the figure below. (This operation is only required the first time you switch on the radio control)



2) Flick the main switch upwards (11):



3) Connect the radio control to the mains power supply by means of the supplied battery charger. The radio control must be recharged for at least 24 hours, as the rechargeable batteries could be partially or completely empty. Repeat the same procedure every time the radio control batteries discharge.

At the end of the winter season, in order to preserve the life of the batteries, it is mandatory to recharge the batteries and switch off the radio control completely by means of the switch located on the back (11). The batteries are guaranteed for 6 months. When the batteries are exhausted dispose of them safely. It is normal for the temperature sensor to detect temperatures which are slightly different to the real ones due to the thermostat tolerances.

6.2 USE OF THE HANDHELD RADIO CONTROL

The Thermocomfort radio control can be used with 4 different operating programs:

- **MANUAL**
- **AUTO 5**
- **AUTO 3**
- **ECONOMY**

To change an operating program hold down the **Down arrow** on the radio control until the set program begins to flash. Now release the **Down arrow** and quickly press the **Down arrow (3)** and/or **Up arrow (4)** to select the preferred operating program.

MANUALprogram
In the MANUAL program the room temperature thermostat of the radio control is disabled. It will therefore be possible to manually set both the ventilation power and the combustion power.

- To set or change the combustion power simply press the **Flame Button (1),** and the flame symbol on the screen will begin to flash for several seconds. While it is flashing press the **Down arrow (3)** to reduce the combustion power, and on the display you will see the bars disappear in sequence; vice versa to increase the combustion power, press the **Up arrow (4)**.
  The combustion power changes with each press of **Down arrow (3)** and **Up arrow (4)**.

- To set or modify the ventilation power simply press the **Ventilation button (2),** and the fan symbol will begin to flash for a few seconds. While it is flashing press the **Down arrow (3)** to reduce the ventilation power, and on the display you will see the bars disappear in sequence; vice versa to increase the ventilation power, press the **Up arrow (4)**.
  The ventilation power changes with each press of **DOWN key (3)** and **UP key (4)**.

Caution: it is possible that, due to radio interference or sending commands too close together, the changes will not be implemented. With this program you can also use the infrared control supplied. It is normal that in the manual cycle the ventilation is often set at the maximum speed in order to cool the appliance body more effectively.

AUTO 5 program
In program AUTO 5 the room temperature thermostat is enabled. The remote control adjusts the ventilation and combustion power automatically in relation to the target room temperature set in radio control display.
You can vary the desired room temperature by simply pressing **DOWN key (3)** and/or **UP key (4)**.
The remote control will set the maximum combustion and ventilation power and modulate them both as the room temperature (5R) approaches the preset target temperature.
Once the target temperature has been achieved the combustion power and the ventilation power will remain steady at the minimum value.

Caution: it is possible that, due to radio interference, the commands sent to the generator will not be implemented. When using this program the infrared remote control cannot be used.
Attention: the power and the ventilation depend on the preset target temperature, if the required temperature is too high or not reachable the appliance could operate at maximum power for long periods of time.

AUTO 3 program
In program AUTO 3 the room temperature thermostat is enabled. The remote control adjusts the ventilation and combustion power automatically in relation to the target room temperature set in radio control display.
You can vary the desired room temperature by simply pressing **DOWN key (3)** and/or **UP key (4)**.
The radio control will remain steady at the maximum value, level 3 for the combustion power and level 4 for the ventilation power, and lower the level as the room temperature approaches the preset target temperature.
Once the target temperature has been achieved the combustion power and the ventilation power will remain steady at the minimum value.

Caution: it is possible that, due to radio interference, the commands sent to the appliance will not be implemented. When using this program the infrared remote control supplied cannot be used. Caution: the power and the ventilation depend on the preset value, if the required temperature is too high or not reachable the appliance could operate at maximum power for long periods of time.

ECONOMY program
In the ECONOMY program the appliance always operates at the minimum combustion power and the minimum ventilation power. When using this program the infrared remote control supplied cannot be used.

ATTENTION: THE THERMOCOMFORT RADIO CONTROL DOES NOT SWITCH THE APPLIANCE ON OR OFF. THE APPLIANCE MUST ALWAYS BE STARTED UP AND SHUT DOWN FROM THE CONTROL PANEL OR THROUGH PROGRAMMING.

Keep in mind that radio wave transmissions can be affected by the surrounding environment: the presence of thick walls can reduce the transmission that normally extends to 6-7 metres.

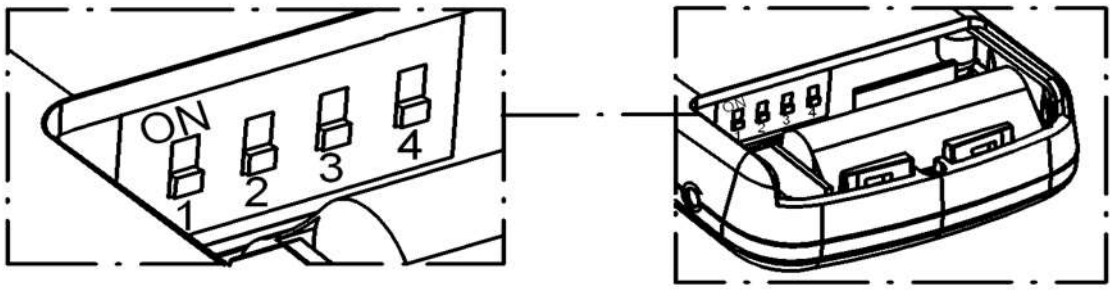
ATTENTION: to guarantee optimal data transmission it is advisable to always place the radio control in its support in a vertical position.

6.3 TRANSMISSION CODES SETTING

If there are several appliances installed in rooms closely to each other or in case of electromagnetic disturbances it may be necessary to set different transmission codes as this type of interference deactivates operation of the optional Thermocomfort radio control.

To change the transmission codes proceed as follows:

The appliance must be energised and the main switch O/I in the "I" position.
1) Disable the Thermocomfort function. (See Par. 5.6)
2) Switch off the Thermocomfort radio control using the main switch (11).
3) To change the transmission codes, open the battery cover and act as indicated in the figure below.



CODE SELECTOR FOR HANDHELD RADIO CONTROL CONTROLLED BY RADIO WAVES

4) To change the frequency simply change the order of even only one of the four switches shown in the figure above.
5) Next switch on the radio control by pressing the main switch (11).
6) Re-enable the THERMOCOMFORT function (see Par. 5.6).

6.4 CARE AND MAINTENANCE OF THE RADIO CONTROL

The radio control has been designed to the strictest standards and must be handled with great care.
If you observe the guidelines set out below, the radio control will provide a long trouble-free performance:

- Protect the radio control against precipitation, moisture, liquids and all those substances that could corrode the internal electronic circuits. If the radio control gets wet, remove it immediately from the battery charger if it is in the process of charging, remove the battery and leave it open to dry at room temperature for as long as necessary.
- Do not use or store the radio control in dusty or dirty environments. The dust/dirt could damage the movable parts of the radio control.
- Do not store the radio control in very hot environments. High temperatures could shorten the life of the electronic devices, damage the batteries and deform or even melt plastic parts. Do not store the radio control in too cold environments. When it heats up (when it returns to normal operating temperature), humidity could form inside it and damage the electronic circuits.
- Do not drop the radio control, do not hit or bump it and do not shake it. Actions such as these could damage the internal circuits of the device.
- Do not use corrosive chemical substances, caustic solutions or detergents to clean the radio control.

All the above guidelines apply to the radio control, the battery, the battery charger, and all the accessories. The parts subject to wear (such as batteries, keypads, lodging compartments, small compartment parts) are guaranteed for 6 months from the purchase date. The guarantee does not apply if the defect is caused by non-conforming use and/or if the instructions and guidelines described above are not observed to the letter. Devices or parts returned for replacement become the property of Thermorossi. S.p.A. The presence of any irregular black-blue lines on the display, also present when de-energised and/or battery flat or missing, indicate that the glass screen of the display is damaged following a fall or impact: in this case the breakage is not covered by the guarantee.

7 – USE OF THE APPLIANCE

7.1 DESCRIPTION OF THE OPERTATING STAGES

START: has a duration of approx. 20 minutes, during this phase the appliance is programmed to light the flame. The appliance will not accept power variations in the firebox. If the appliance does not start up correctly it could be due to one of the following factors: cleanliness of the generator, smoke exhaust particularly cold, sudden surges and drops in the electric power supply, fuel is too moist or does not comply with the specifications (see para. 3.2) .

WORK: the appliance works according to the combustion and ventilation power set by the user. The spark plug is dead.

OFF: has a duration of approx. 25 minutes. In this phase the appliance is switched off until a new "on" phase is initiated. The aim is to make the pellet embers in the brazier die out and cool the appliance. The room fan and the smoke suction unit continue to operate as required. In any case after approx. 25 minutes the appliance goes into stand-by mode.

7.2 SWITCHING ON THE STOVE

Before using the appliance check that all the movable parts are correctly fitted. Also remove any labels and stickers from the glass to avoid that permanent traces remain on the surfaces. Verify that the electric connections have been made perfectly. Check also that the firebox door is firmly closed.

Then carry out the following operations:

1) Power up the appliance and turn the I/0 switch to position “I”.
2) Ensure that the appliance is connected to the smoke exhaust: we recommend against using aluminium tubes and we recommend always using sealing gaskets. Further information is given in paragraph dedicated to the smoke discharge of this use and maintenance booklet.
3) Load the pellets into the hopper.
4) Press the **Flame Button** to begin the start up phase and the word **START** will appear on the display.

Press the **Flame Button** repeatedly to set the desired combustion power which will only activate at the end of the START cycle which takes roughly 20 minutes.
In this stage any level of combustion power set by the user is ignored to meet the correct power values set by the manufacturer.
Press the **Ventilation button** repeatedly to set the six fan speeds; the fan will only activate once the smoke has reached the preset temperature.
The electrical heater will start to overheat and only after a few minutes the first lot of pellets will start dropping into the brazier. This occurs because the screw feeder has to fill up because it is completely empty. At the first start up the appliance may require the starting sequence to be performed twice for the reason explained above: before starting up the second time empty and vacuum out the brazier.

CAUTION: During the START sequence the appliance ignores all the combustion power changes that are transmitted to it or set on it. After this time has elapsed the word WORK appears on the display.
When the machine is in the running phase the combustion can be changed manually.

CAUTION: If the appliance does not start up correctly check that the brazier and electric heater are clean. It is very important to ensure that the tube lodging of the electric heater is clean; there must be no deposits or dust. It is recommended to use an efficient ash vacuum cleaner but only when the appliance has cooled down.

7.3 COMBUSTION AND VENTILATION ADJUSTMENTS

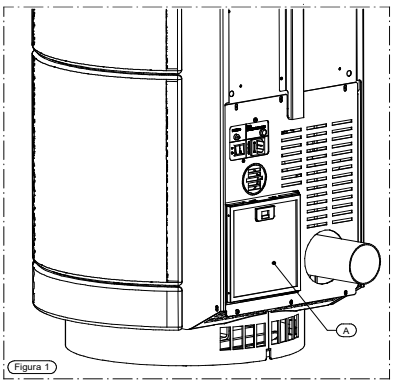
Set the combustion power of the stove by acting on the **Flamebutton** or on the supplied infrared remote control. The combustion power regulates the pellet drop. The selected combustion power level will appear on the display.

Set the ventilation speed of the stove by acting on the **Ventilation Button** or use the supplied infrared remote control. The ventilation speed regulates the number of fan revolutions. A slight vibration of the stove is quite normal when it is running. The selected ventilation power level will appear on the display.

7.4 INFRARED REMOTE CONTROL

A practical infrared control is supplied with the appliance: act on the blue button to regulate the ventilation power, act on the grey button to start up, adjust the combustion power and shut off the appliance.

7.5 FILTER



This practical device prevents the circulation of dust which is always present in household environments. The filter (marked by letter A in the figure on the side) is installed at the back of the appliance (see figure 1 on the side). Clean frequently to ensure the maximum availability of hot air when the appliance is operating (wash the filter with cold water then dry thoroughly every 5 days).

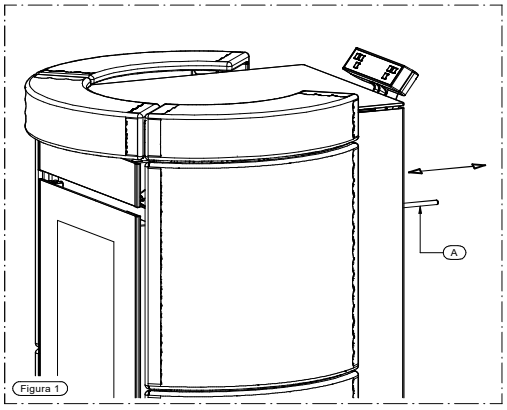
7.6 HOT AIR DUCTING (ONLY FOR DUCTABLE VERSION)

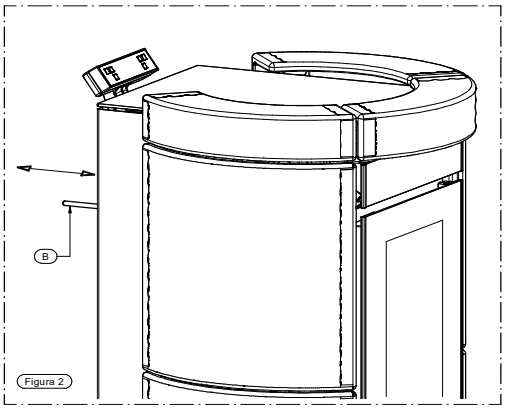
To obtain an optimal flow of channelled hot air:
- Avoid narrow or reduced sections, sharp curves, downhill runs in the tubing.
- Reduce the horizontal runs as much as possible.
- Use pipes with smooth inner surfaces made of material capable of resisting continuous temperatures of 150°C.
- Insulate pipes with mineral wool (resistant to at least 150°C).

If you follow the instructions given above it is possible to channel:
- up to 16 metres using 1 vent
- up to 8 metres using 2 vents
- up to 6 metres using 3 vents
- up to 4 metres using 4 vents

The appliance is supplied with both fittings already mounted.
The air can be ducted from the front or the back of the appliance by acting on the 2 levers indicated in Figure 1 and Figure 2; to completely or partially channel the air to the right rear pipe act on lever A (Figure 1), to completely or partially channel the air to the left rear pipe act on lever B (Figure 2).
CAUTION: WHEN ONE OR BOTH DUCTING COLLARS ARE NOT BEING USED TO CHANNEL THE AIR PUSH CHANNELLING LEVERS (A) AND (B) TOWARDS THE FRONT OF THE APPLIANCE. IT IS MANDATORY THEREFORE TO ENSURE THAT THERE ARE NO OBJECTS AND/OR MATERIALS PRESENT AT THE BACK OF THE APPLIANCE THAT COULD BE DAMAGED BY THE HEAT WHICH, IF THE CHANNELLING LEVER IS IN THE INCORRECT POSITION (THAT IS POSITIONED TOWARDS THE BACK OF THE APPLIANCE), WOULD DIRECT EXTREMELY HOT AIR TOWARDS THEM. SEE INDICATIONS ON PARA. 4.1.

CAUTION: the channelling levers are extremely hot; it is mandatory to use the supplied glove.





8 - ADDITIONAL ROOM TEMPERATURE THERMOSTAT (not supplied) ADDITIONAL CHRONOTHERMOSTAT - MODEM (not supplied)

The appliance can be connected to an additional room temperature thermostat or to an additional chronothermostat:
---> for an additional room temperature thermostat connect terminals 7-8 of the terminal block CN7 to the board as illustrated in Figure 1.
---> for the additional chronothermostat – modem connect terminals 9-10 of the terminal block CN7 to the board as illustrated in Figure 1.

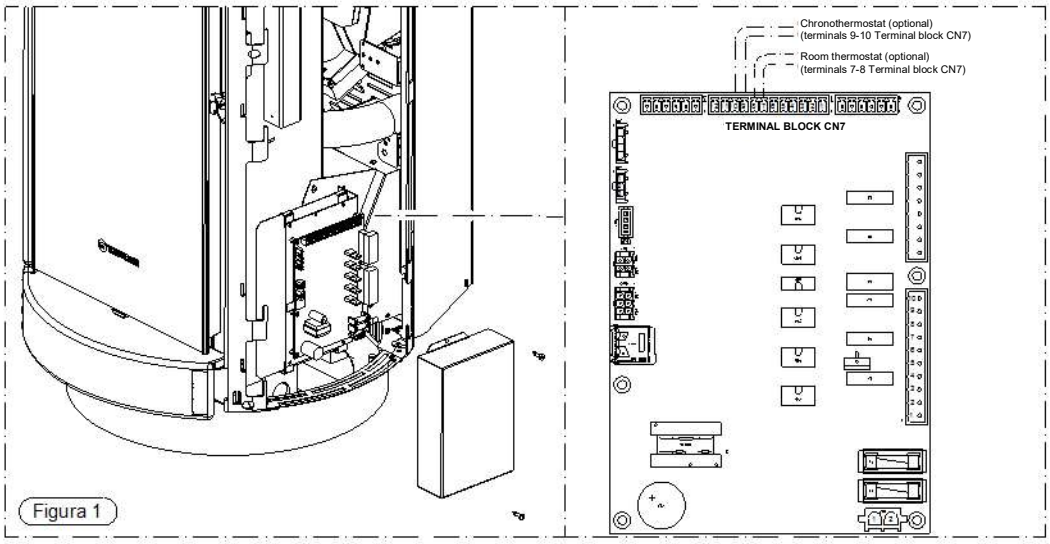


Figura 1

The contacts are defined as "FREE" contacts and they must never be supplied with voltage. It is strictly prohibited to supply any tension whatsoever to the above-mentioned terminals as this would permanently damage the control board; such damage is not covered by WARRANTY.

8.1 OPERATING WITH THE ADDITIONAL ROOM TEMPERATURE THERMOSTAT (not supplied)

An additional room temperature thermostat can be installed by connecting it to the board as indicated in Figure 1.The operating principle is as follows:
When the room temperature reaches the set temperature (only during the WORK phase) the thermostat closes the contact and the appliance shifts to the minimum room ventilation speed and minimum combustion power. This condition is indicated on the display by the blinking ventilation bar and combustion bar: the appliance ignores all commands transmitted to it. By using the room temperature thermostat the appliance does not shut down, therefore electrical energy consumption is kept to the minimum and the heater has a longer life. When the room temperature drops the thermostat opens the contact and the appliance returns to its original position in terms of thermal power and ventilation. The room temperature thermostat can be used to automatically start the appliance with programming from the CRONO.

ATTENTION: Use N.O. (normally open) contacts for the connection to the additional room temperature thermostat. The thermostat must have a thermal hysteresis that is higher than 2°C.

8.2 OPERATING WITH THE ADDITIONAL CHRONOTHERMOSTAT (not supplied)

As an alternative to the room temperature thermostat, a chonothermostat can be installed by connecting it to the board as indicated in Figure 1. Using this output when the chronothermostat contact closes the START cycle begins, whereas when the contact opens the OFF cycle begins. The operating level at start up (combustion power - fan speed) is the same as the level used before the last time the appliance shut down.

CAUTION: **when using the chronothermostat program up to a maximum of 3 on-off daily cycles without setting the desired temperature or set it at the highest possible value for the chronothermostat.**

At the end of the preset time the contact of the chorothermostat will open and perform the appliance shut down process. Similarly at the preset startup time the contact will close and initiate the START cycle. The chronothermostat can be used to program start up

and shut down times and dates for the appliance. It is therefore possible to program a momentary shut down of the appliance according to the preset time.
Do not shut down the appliance according to the room temperature.
If the external chronothermostat is used the "CRONO" function cannot be used.

ATTENTION: The manufacturer denies all responsibility for the life of the electrical heater if subjected to excessive start ups. It is recommended not to set the desired room temperature or to set it at the highest possible value for the chronothermostat in order to avert this danger.
ATTENTION: Use N.O. (normally open) contacts for the connection to the chronothermostat.
ATTENTION: In the event of connections to the chronothermostat Thermorossi S.p.a. shall not be held responsible for the insert not starting up, smoke leaks or breakage of the lighting component. In the event of a programmed cycle on always ensure that the brazier is clean and seated correctly in its lodging. A maximum of 3 on-off cycles per day are permitted. The chronothermostat must have a thermal hysteresis that is not less than 2°C.

9 - CLEANING AND MAINTENANCE

9.1 FOREWORD

Before commencing any operation switch off the appliance and disconnect it from the electric power outlet. Your pellet appliance needs maintenance; it requires a few simple, basic but frequent control and general cleaning operations. This will guarantee consistently safe and smooth operation and optimal efficiency of the appliance. In the event of prolonged non-use of the product it is mandatory to check for obstructions in the smoke channel and flue outlet before putting it back into use. It is important to carefully follow the instructions set out below: failure to observe these instructions could cause serious damage to the product, to the system, to objects and to persons using the generator. Failure to observe cleaning and maintenance instructions will immediately void the warranty . Warning: do not wet the appliance and do not touch the electrical parts with wet hands. Never vacuum hot ash: this could damage the vacuum device. All the cleaning operations described in this manual must be carried out when the appliance is cold.

9.2 CLEANING AND MAINTAINING THE APPLIANCE

The cleaning and maintenance operations can be carried out by the user.

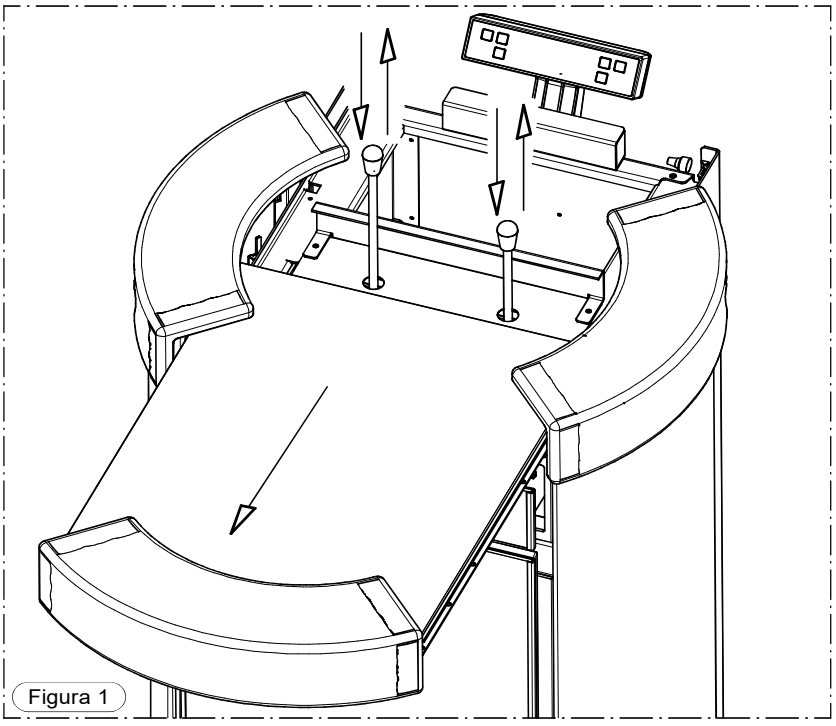


Figura 1

EVERY DAY clean out all the combustion residues from the brazier **B** and remount the brazier **B** and catalyst **A** correctly(figure 2, 2A, 2B). To open and close the door use the tool provided (see para. 4). (Figure 2A shows a clean brazier) ATTENTION: make sure, before every start up, that the brazier is clean and if necessary thoroughly clean the burner with a vacuum device. Pay particular attention to the area around the spark plug: it must be perfectly clean to guarantee correct operation of the appliance.
EVERY 3 DAYS lift and drop the tube scraper rods several times (figure 1); to access the tube scraper rods you need to firstly remove the tank cover.
EVERY 5 DAYS clean the room air filter located at the back of the appliance (figure 6).
EVERY WEEK clean out all the ash from the ash pans **V** and **V1** (figure 2B, figure 3): to access the compartment **V** simply lift out the brazier **B** and the catalyst **A**.
EVERY 2 WEEKS clean the smoke exhaust "T" at the appliance inlet.
EVERY MONTH inspect and clean the vent identified as A1 (figure 5). To access the vent open the door, remove the ash pan and lift up the cover.

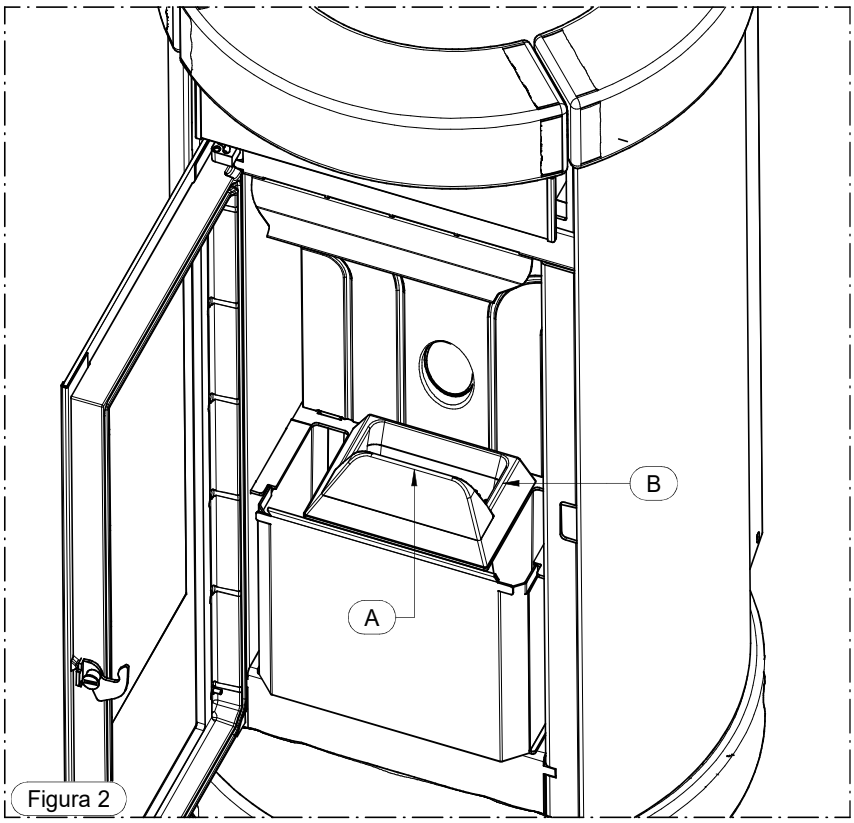


Figura 2

EVERY MONTH check that the smoke exhaust is free from fly ash deposits, particularly in the initial sections.
EVERY MONTH vacuum the ash deposited on the bottom of the tank (when the tank is empty).
EVERY 3 MONTHS clean the smoke channels and check that they are airtight.
TWICE A YEAR clean the flue outlet and inspect the smoke exhaust pipe for airtightness.
TWICE A YEAR remove the back of the combustion chamber (figure 4A, 4B, 4C) to clean it by lifting and rotating it outwards.
AT THE END OF THE WINTER SEASON OR WHENEVER NECESSARY
thoroughly clean the appliance firebox, using brushes and vacuum cleaner. A vacuum device simplifies the ash cleaning procedure. Use a damp cloth or a scrunched up piece of newspaper, dampened and rolled in the ash, to wipe the glass until it is perfectly clean. Do not clean the glass while the appliance is operating. The glass remains reasonably clean if the catalyst is installed correctly in the burner as shown in figure 2A. The front profiles, the glass elements and the casing must be cleaned, when the appliance has cooled, with a special soft microfibre cloth for delicate surfaces such as lenses, glasses, monitors, etc..., and water. ATTENTION: a daily deposit of soot and combustion residues on the glass is quite normal.

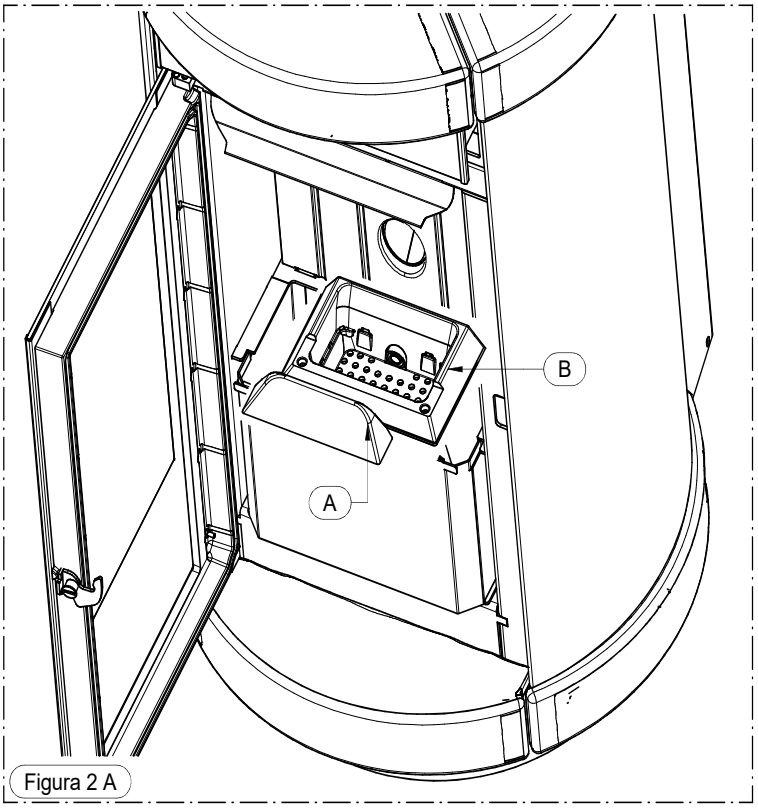


Figura 2 A

It is normal for the ash to fall to the floor when the door is opened. ATTENTION: after cleaning it is mandatory to carefully check that the combustion chamber door is firmly closed and airtight. ATTENTION: the smoke channel and flue outlet generator must be cleaned in accordance with the specifications described above and use of inflammable products is strictly forbidden: Using inflammable products can create dangerous situations. Failure to carry out the necessary maintenance or if only partial maintenance is carried out will affect the correct functioning of the appliance. Any problems resulting from total or partial lack of maintenance will immediately void the warranty. ATTENTION: if the appliance remains inactive (not used for over a month) the appliance, the smoke discharge tube and the flue outlet must be thoroughly cleaned and checked for any possible obstructions (e.g. birds nests) before restarting.

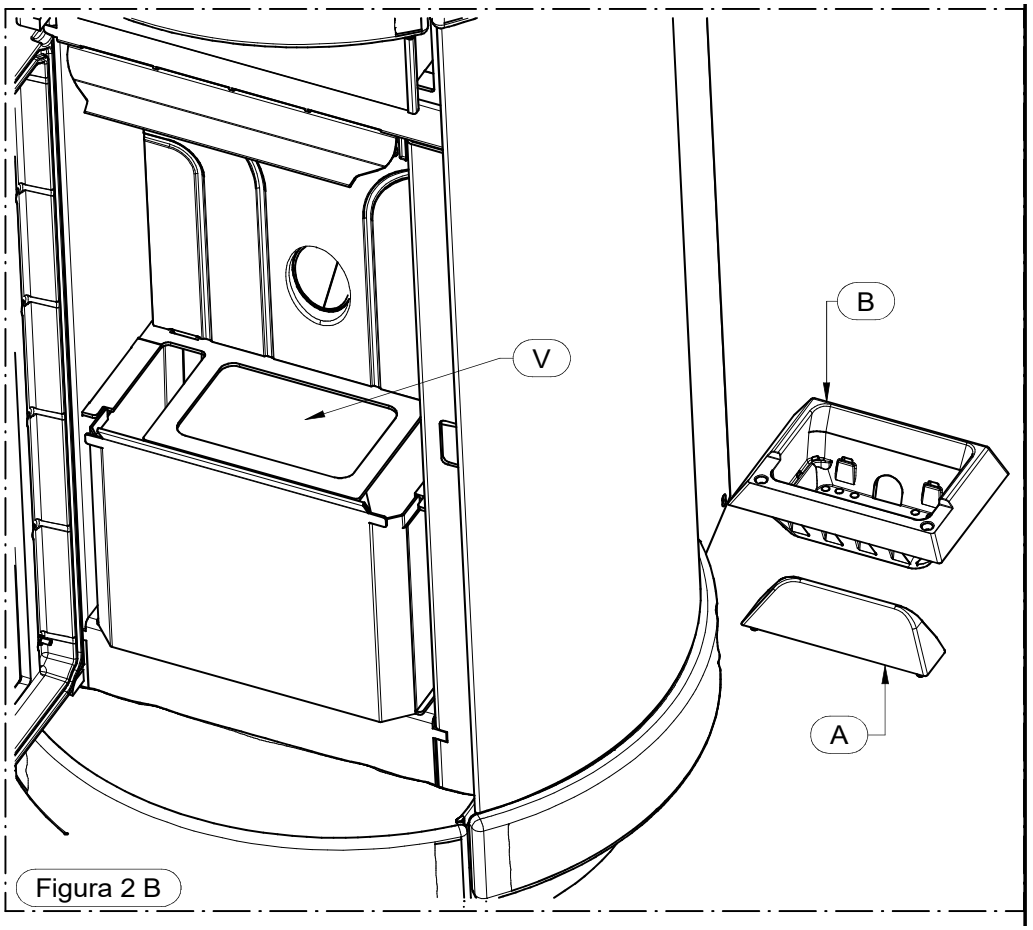


Figura 2 B

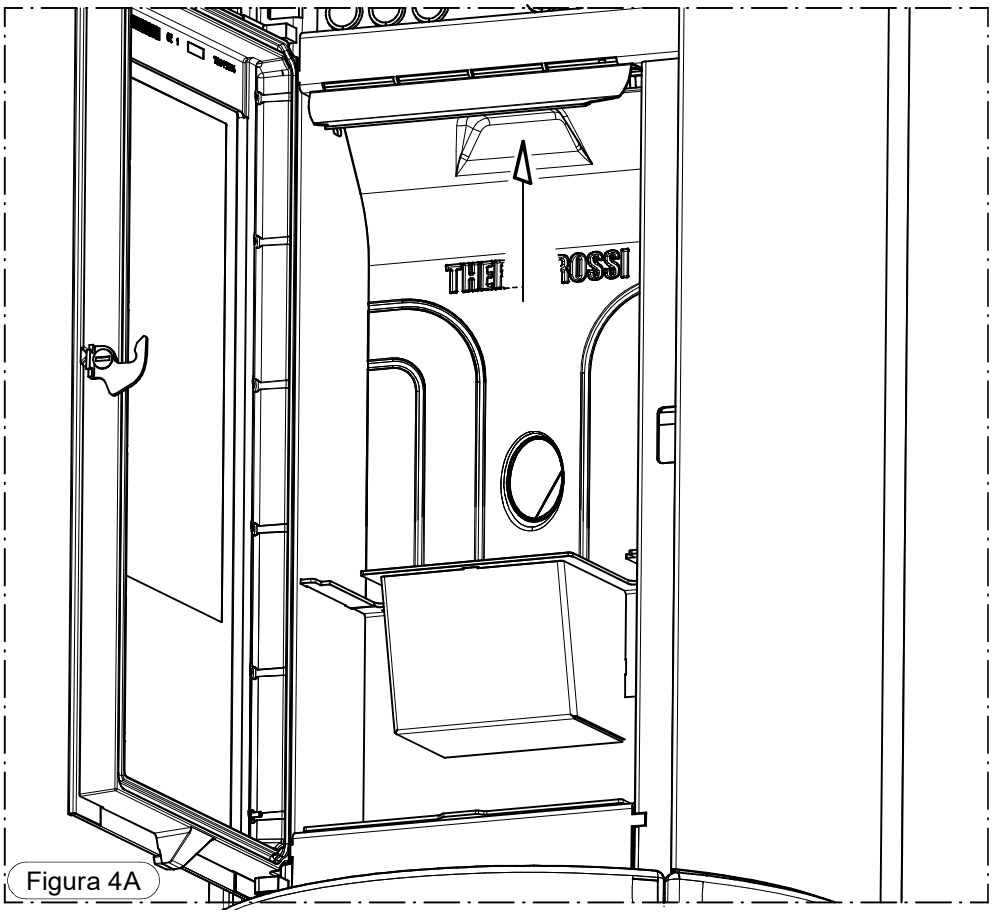


Figura 4A

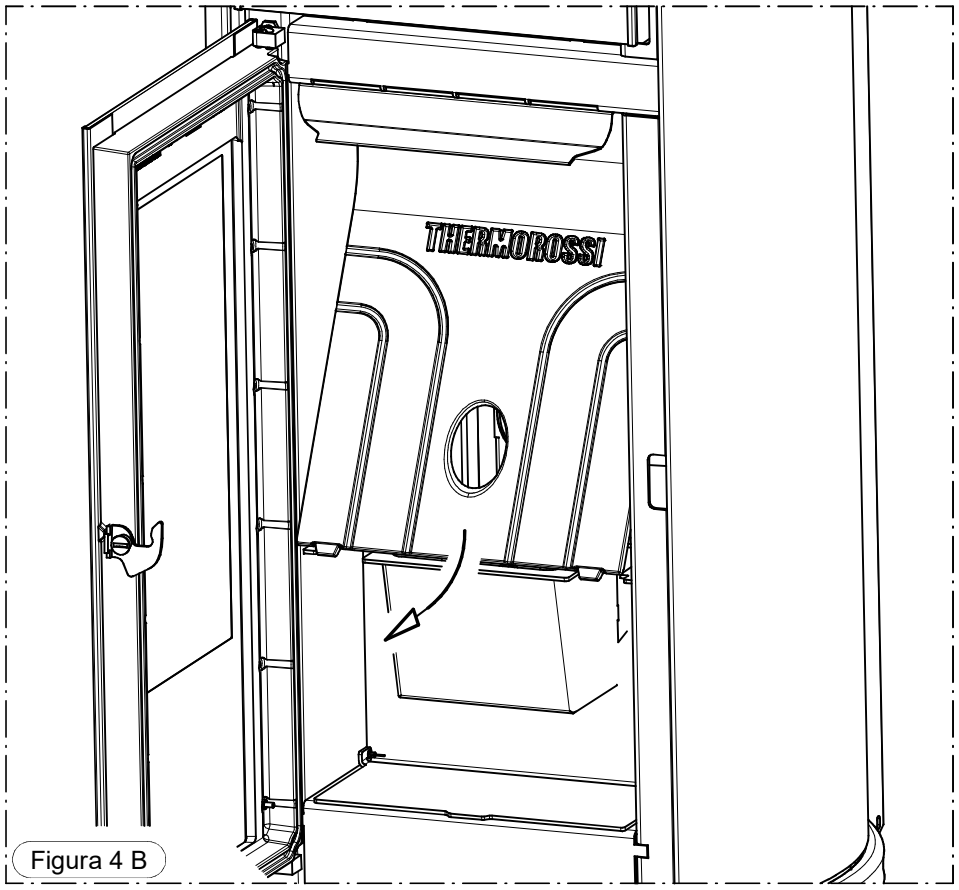


Figura 4 B

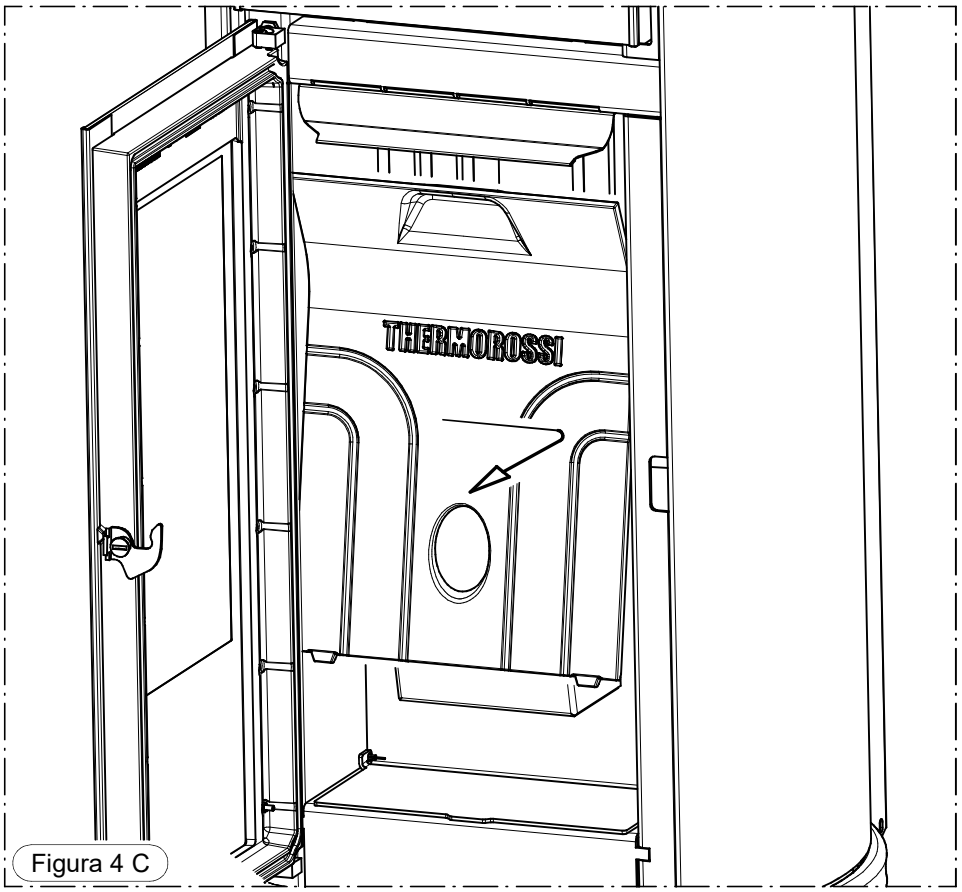


Figura 4 C

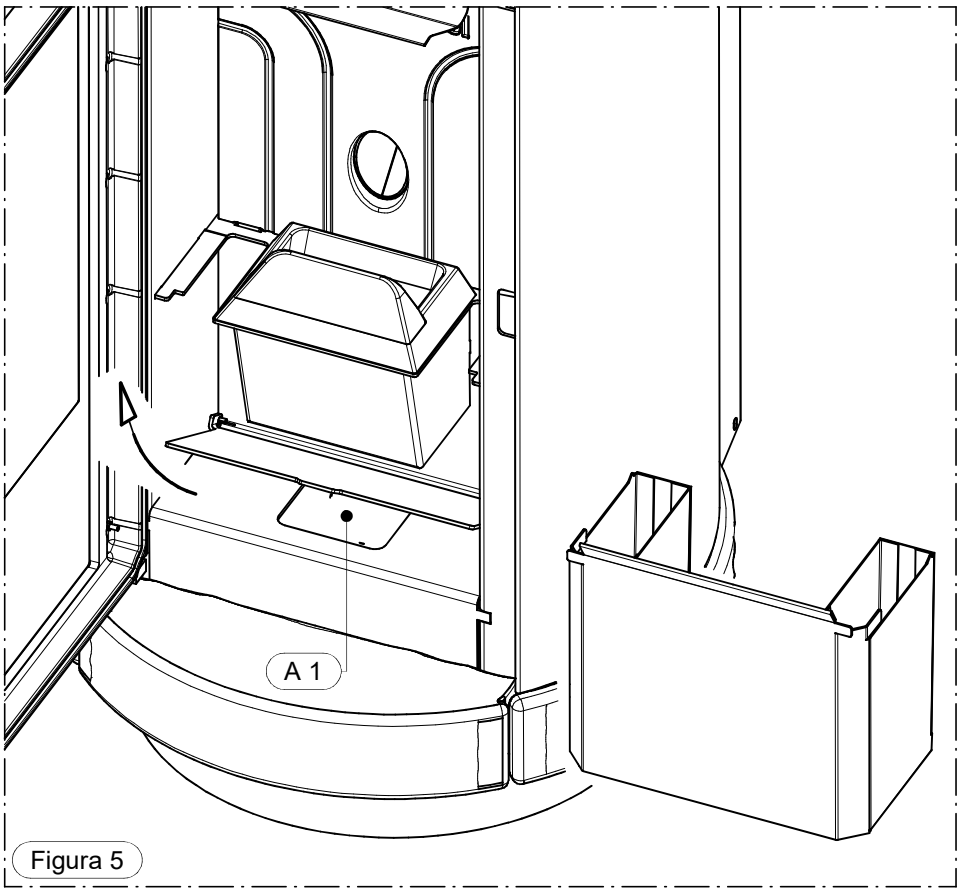


Figura 5

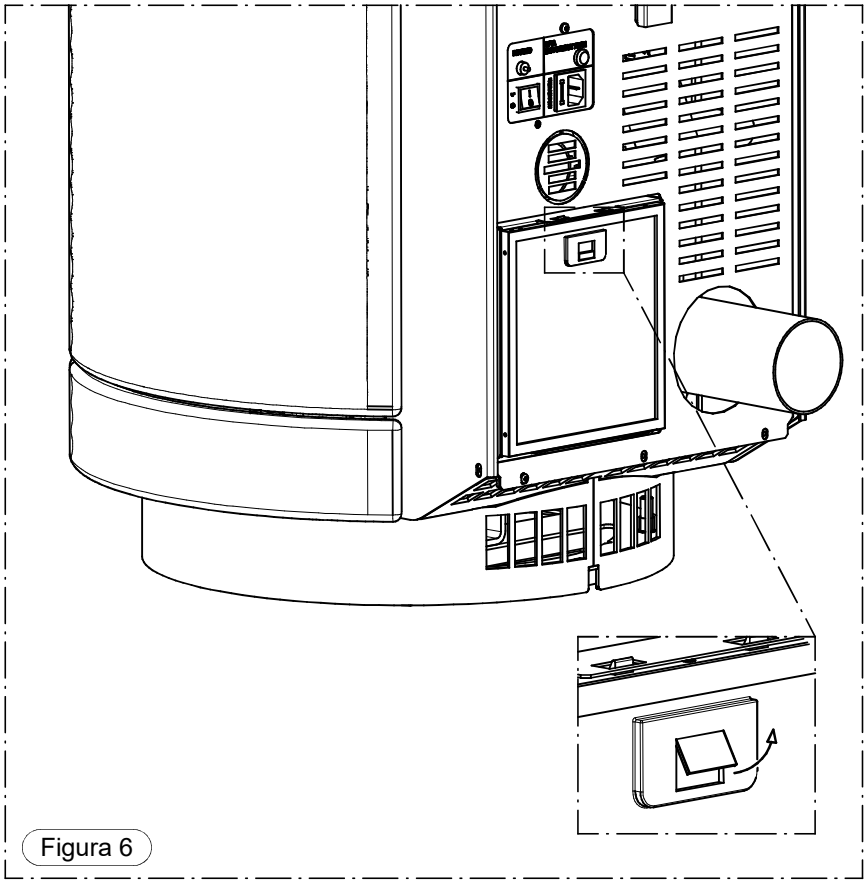
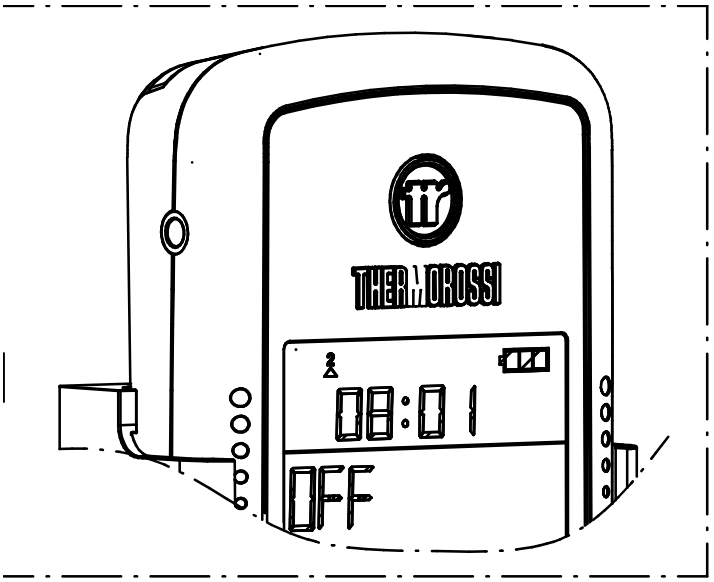


Figura 6

9.3 CHARGING THE BATTERY OF THE WHITE THERMOCOMFORT HANDHELD RADIO CONTROL (optional)



As soon as the battery symbol on the display begins to blink, as shown in the drawing, the battery needs to be charged. While it is being charged and consequently while it is connected to the electrical power mains the battery symbol blinks continuously even when the batteries of the radio control are completely charged. This operation is necessary as otherwise the communication between the appliance and the radio control could be cut off. The batteries of the handheld radio control require regular recharging in relation to the amount of use made of it The duration of the battery charge is variable and depends on how often the remote control is used. The batteries must be recharged using the supplied battery charger:
INPUT 100V-240V 50/60 Hz 0,3/A OUTPUT 5,5V 750 ma

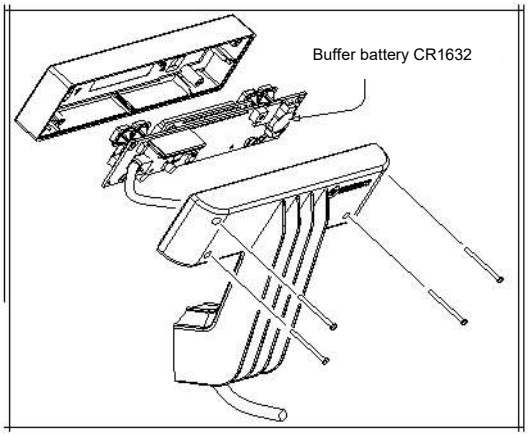
The battery charger must be connected to a 220-240V 50Hz power mains. To obtain a total recharge of the batteries they must be charged for at least 24 hours: lower charge times could reduce the duration and life of the batteries. It is completely normal during the battery recharge process for symbols and/or lines to appear haphazardly on the display. The optimal battery autonomy is achieved after several battery charge / discharge cycles. During periods of non-use (over one week) of the radio control, it is obligatory to turn the radio control itself off completely, to preserve its battery life, by means of the main switch.
The batteries are guaranteed for 6 months.

Attention: Use only the battery charger provided by Thermorossi S.p.a. The use of any other type of battery charger will invalidate the product warranty. Flat batteries must be removed and safely disposed of. Use rechargeable AAA 1.2 V min. 750 mAh batteries. Use only rechargeable batteries but do not mix different brands and types.

9.4 BATTERY REPLACEMENT FOR INFRAREDREMOTE CONTROL

When the infrared remote control does not send out the transmission signal (led on), the battery must be replaced. Use a Phillips screwdriver of proper size, to separate the half shells and replace the battery. The dead battery must be disposed of safely.

9.5 REPLACING THE BUFFER BATTERY OF THE CONTROL PANEL



Inside the control panel there is a buffer battery type CR 1632. When the time and programming are not being memorised (this malfunction is not considered a defect as it is the result of normal wear/consumption) replace the battery by removing the 4 screws at the back of the control panel. The dead battery must be disposed of safely.

10 – SMOKE DISCHARGE TUBE AND VENTILATION OF THE ROOMS

10.1 FOREWORD

Due to the frequent accidents caused by poor functioning of flue outlets installed in private dwellings, we have prepared the following paragraph to assist the installer in his inspection of the parts concerned with eliminating the gases produced by combustion.
The flue outlet must comply with UNI 10683 and be built in accordance with the requirements set out in Italian Decree No. 37 of 22 January 2008, respecting the reference values expressed in the standard; in particular, the flue outlet must conform to fire prevention standards (it must therefore be capable of withstanding a possible fire action: in such a situation contact the fire department immediately). This chapter is not intended to replace UNI 7129, UNI 10683 and EN 14785 standards to which it refers. The qualified installer must in any case be fully aware of these standards and any amending versions. *It is important to carefully follow the instructions included in these standards: failure to observe these instructions could cause serious damage to the product, to the system, to objects and to persons using the generator.*

10.2 ROOM VENTILATION

ATTENTION: the presence of extraction fans or similar appliances, if operating in the same room or space in which the product is installed, could cause problems for the correct operation of the product.

ATTENTION: do not obstruct the vents or the air inlets on the appliance.

The room where the appliance is installed must have a good air flow to guarantee air for the appliance for the combustion process and for ventilation of the room. The natural air flow must take place directly through permanent openings on the outer walls or through single or multiple ventilation ducting.
The ventilating air must come from outside and if possible, away from sources of pollution. The openings in the walls must comply with the following conditions:
• have an unobstructed section of at least 6cm² for each Kw of installed thermal power, with a minimum limit of 100cm²;
• be made in such a way that the vent openings, both on the inside and outside of the wall, cannot be obstructed;
• be protected with grills or similar systems that do not reduce the opening section indicated above;
• be situated at a height near floor level and they must not obstruct the correct operation of the combustion product discharge devices; if this position is not possible the section of the ventilation openings must be enlarged by at least 50%.

9.2.2 VENTILATION OF THE ADJACENT ROOMS
The air flow can also be obtained from an adjacent room as long as:
• the adjoining room is equipped with direct ventilation in compliance with the paragraphs described above;
• only appliances connected to the exhaust pipe are installed in the room that is ventilated;
• the adjoining room is not used as a bedroom or a common area of the building;
• the adjacent room is not a room with a fire hazard, such as storage sheds, garages, combustible material store rooms, etc…;
• the adjoining room does not become a vacuum compared to the room to be ventilated due to a reverse draught effect; (the reverse draught can be caused by the presence in the room of either another heating appliance running on any type of fuel, a fireplace, or any suction device, which have not been provided with an air intake);
• the air flow from the adjoining room to the room to be ventilated is unobstructed through the permanent apertures having an overall net section of no less than that indicated above. These apertures can be obtained by enlarging the space between the door and the floor.

10.3 SMOKE OUTLET

The smoke channel, the exhaust pipe, chimney and flue outlet (defined as the system for the evacuation of combustion products), are parts of the heating system and they must comply with the legislative requirements of the Ministerial Decree DM 37/08 (ex Italian Law 46/90) and to the applicable specific installation regulations, according to the type of fuel. Fireplaces, stoves and barbecues must not be installed in locations where gas appliances type A and type B are present and operating (for the classification see UNI 10642 and UNI 7129). The connection between the appliance and the flue outlet must only receive exhaust from one heat generator.

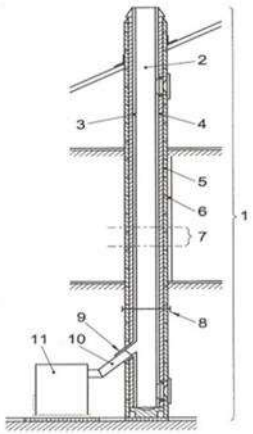
10.3.1 CHIMNEY TYPES
The following types of chimneys, constructed as described, are possible:
• System: Chimney installed using a combination of compatible components (flue liner, insulation, outer casing etc…), constructed or specified by a single manufacturer and CE certified in accordance with the applicable standard;
• Composite chimney: Chimney installed or constructed on site using a combination of compatible components such as flue liner (wall directly in contact with the smoke), and possibly also insulation and outer casing (wall) that may be supplied by different manufacturers or by the same manufacturer.
• Relining: operation involving the installation of a specific pipe in an existing shaft (even if newly constructed) made of non-combustible materials, free from obstructions and for single use.

10.3.2 FLUE OUTLET / FLUE SYSTEM COMPONENTS

Components and accessories of a chimney

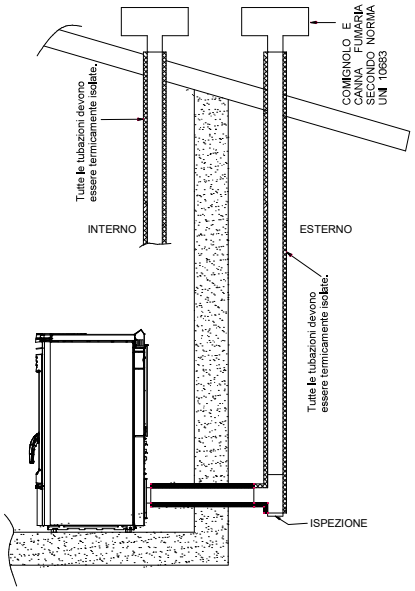
Keys

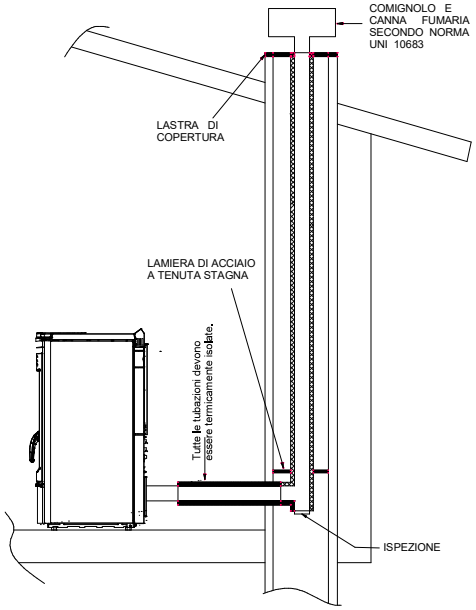
1 Chimney
2 Flow path
3 Smoke discharge tube
4 Thermal insulation
5 External wall
6 Outer lining
7 Flue outlet section
8 Multiwall chimney
9 Connector
10 Flue pipe
11 Heat generator



Every chimney must have minimum number of components as laid down by standard UNI EN 10683 which are also indicated in the figure on the left.

Wall outlets, that is outlets installed on the outer front wall without the use of a chimney/flue outlet /flue pipe to convey the combustion products to the roof, are strictly prohibited.

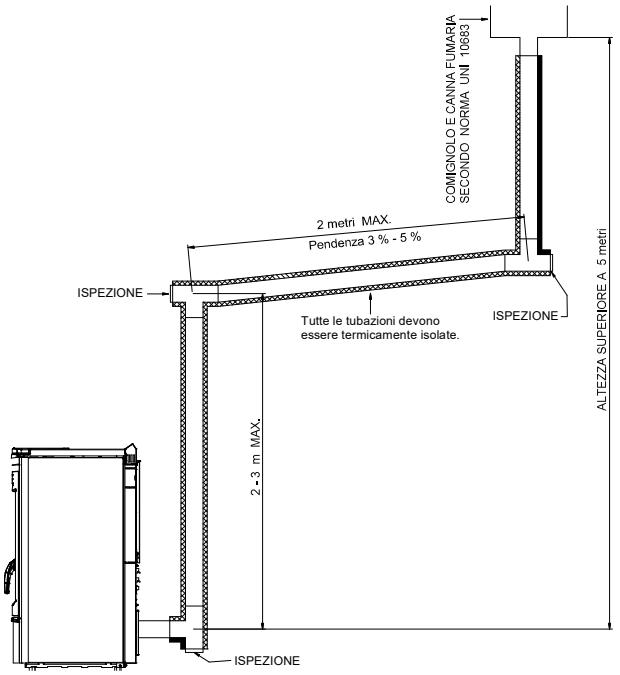




LEGENDA	**KEY**
COMIGNOLO E CANNA FUMARIA SECONDO NORMA UNI 10683	CHIMNEY CAP AND FLUE OUTLET ACCORDING TO UNI 10683 STANDARD
TUTTE LE TUBAZIONI DEVONO ESSERE TERMICAMENTE ISOLATE	ALL THE PIPES MUST BE THERMALLY INSULATED
ISPEZIONE	INSPECTION
ALTEZZA SUPERIORE A 5 metri	HEIGHT MORE THAN 5 metres
Pendenza 3% - 5%	Slope 3-5%
2-3 metri MAX	2-3 metres MAX.
INTERNO	INTERNAL
ESTERNO	EXTERNAL
LASTRA DI COPERTURA	COVER SLAB
LAMIERA DI ACCIAIO A TENUTA STAGNA	WATERTIGHT STEEL SHEET

10.3.3 CONTROLS PRIOR TO INSTALLING THE APPLIANCE

The user must possess a certificate of conformance for the flue outlet (Ministerial Decree 22 January 2008, no. 37).
The flue outlet must be built in compliance with UNI 10683.
•The smoke exhaust shown in the following figures is the best solution to ensure the discharge of smoke even when the fan is not operational, such as for example if there is an electrical power failure. Failure to comply with these requirements may result in accumulation of smoke inside the firebox with possible explosions and/or smoke escaping into the room. The figures illustrate the best solution for discharging the smoke out through the roof or into the flue outlet.
If you prefer to exhaust the smoke from the roof insert a union tee with inspection cap, connecting brackets suitable for the height of the flue outlet, flashing that crosses the roof and chimney cap to protect against bad weather conditions.
If you decide to use the classic masonry exhaust provide a union tee with inspection cap and suitable supporting brackets. If the flue outlet is too big it is necessary to insert a stainless steel or porcelain-coated steel tube.



Seal area where the inlet and outlet part of the smoke exhaust meets the wall.
It is strictly forbidden to apply mesh to the end of the outlet tube, as it could cause the appliance to malfunction. If the smoke tube is installed in a fixed position it is advisable to provide inspection openings for clean-out purposes especially in the horizontal sections. See the diagram. These openings are essential to allow for the removal of ash and unburned products which tend to accumulate along the discharge path. The appliance functions with the combustion chamber in a vacuum, while the discharge of smoke to the flue outlet has a slight pressure, consequently it is imperative to ensure that the discharge system is hermetically sealed. The smoke discharge tube must be made from suitable materials such as for example: porcelain-coated steel tubes, and the various fittings sealed with red silicone (resistant t
o 350°C). The outer casing of the tube must be made with insulating material (mineral wool, ceramic fibre) or use pre-insulated tubing.

LEGENDA	**KEY**
COMIGNOLO E CANNA FUMARIA SECONDO NORMA UNI 10683	CHIMNEY CAP AND FLUE OUTLET ACCORDING TO UNI 10683 STANDARD
TUTTE LE TUBAZIONI DEVONO ESSERE TERMICAMENTE ISOLATE	ALL THE PIPES MUST BE THERMALLY INSULATED
ISPEZIONE	INSPECTION
ALTEZZA SUPERIORE A 5 metri	HEIGHT MORE THAN 5 metres
Pendenza 3% - 5%	Slope 3-5%
2-3 metri MAX	2-3 metres MAX.
INTERNO	INTERNAL
ESTERNO	EXTERNAL
LASTRA DI COPERTURA	COVER SLAB
LAMIERA DI ACCIAIO A TENUTA STAGNA	WATERTIGHT STEEL SHEET

THE FLUE OUTLET MUST BE USED ONLY FOR THE APPLIANCE.
It must be possible to inspect and remove all the smoke tube sections for clean-out purposes.

ATTENTION: if the flue outlet is not sufficiently insulated and /or if it is too long it could generate condensation.
It is mandatory to provide a condensation drain near the smoke outlet of the appliance. The appliance must always and only be installed in a single flue outlet system dedicated exclusively to the appliance.
If the generator is connected to a non-compliant flue system the appliance could rapidly deteriorate due to an abnormal, continuous overheating: in this case the damaged parts will not be covered by warranty.

IF THE CHIMNEY CATCHES FIRE DO NOT HESITATE TO CALL THE FIRE BRIGADE IMMEDIATELY.

11 – ALARMS

The appliance is programmed to communicate 7 fundamental alarms. The alarms are listed below:

ALPE
Appears when the temperature during the WORK mode drops below the fixed threshold: this indicates that the appliance is switching off or switched off due to lack of pellets. To reset the alarm simply press the **Flame Button**: The appliance will begin a new start up phase. It is mandatory to empty and clean the brazier, and then to fill the pellet tank before repeating the START phase.

ALAC
Appears once the START phase has finished if the smoke does not reach a certain temperature. To reset the alarm simply press the **Flame Button**: the appliance will begin a new start up phase. It is mandatory to empty and clean the brazier before repeating the START phase: pellets emptied from the brazier must not be fed into the tank.

ALOP
This occurs when the smoke outlet is partially blocked. To reset the alarm the power to the appliance must be switched off then on by turning the switch 0-1 located in the power panel. Before restarting the appliance check for any irregularities such as blocked flue outlet, open firebox door, etc. and solve the problem.

AL T max
Appears when the temperature of the appliance body exceeds 125°C. Once the causes for the overtemperature have been identified and remedied unscrew the plastic cover from the thermostat located on the power panel and press the button (the temperature of the appliance must lower considerably). To reset the alarm the power to the appliance must be switched off then on by turning the switch 0-1 located on the power panel.

AL SMOKE TEMP SENSOR
Appears when the smoke thermocouple is damaged, disconnected or absent.
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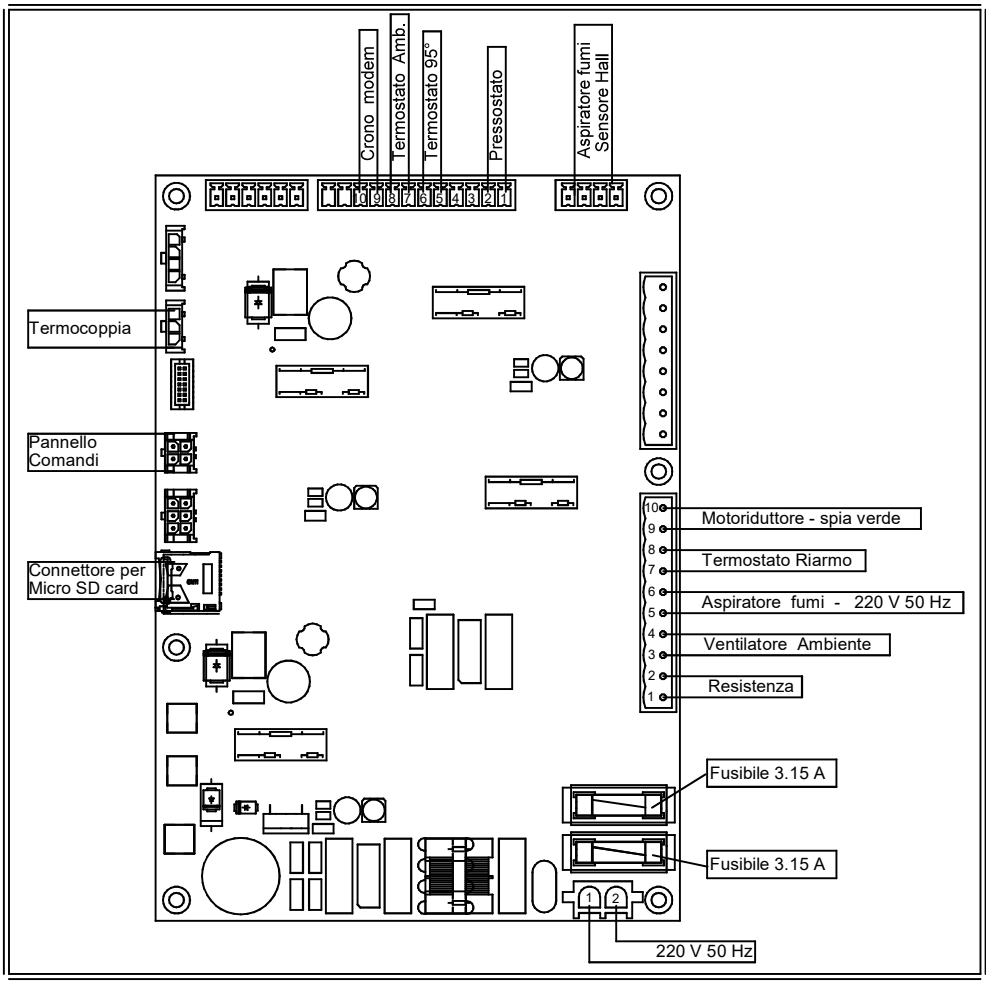
AL SMOKE FAN
Activates when the smoke suction unit sensor detects a very slow rotation speed: clean the vent A3, the smoke channels and the flue outlet (see para. 8). If the problem persists contact the technical assistance service.
To reset the alarm the power to the appliance must be switched off then on by turning the switch 0-1 located on the power panel.

AL SMOKE RPM SENSOR: trips when the smoke suction unit revolution sensor fails to detect any rotation; the smoke suction unit is not working, call the technical assistance service.

12 - ELECTRICAL WIRING



LEGENDA	KEY
Crono modem	Chrono modem
Termostato amb.	Room thermostat
Termostato 95°	Thermostat 95°
Pressostato	Pressure switch
Aspiratore fumi Sensore Hall	Smoke suction unit Hall sensor
Motoriduttore – spia verde	Ratio motor - green indicator
Termostato riarmo	Reset thermostat
Ventilatore ambiente	Room fan
Resistenza	Heater
Fusibile 3.15A	Fuse 3.15A
Termocoppia	Thermocouple
Pannello comandi	Control panel
Connettore per Micro SD Card	Connector for Micro SD card

13 - INFORMATION FOR THE SKILLED TECHNICIAN

13.1 MAIN COMPONENTS AND THEIR OPERATION

SMOKE PRESSURE SWITCH
This is a safety switch that stops the screw feeder motor whenever necessary. The main cause for the pressure switch tripping is a blocked flue outlet or smoke exhaust pipe. Note that it is strictly forbidden to apply any kind of mesh screen to the end of the pipe. When the holes of the mesh clog up they create a plug that trips the pressure switch which stops the pellet feeder.

SCREW FEEDER MOTOR
This motor is powered at regular on/off intervals controlled by a microprocessor. The operation of this motor is affected when:
-The motor's thermal cutout trips. -The pressure switch trips due to blocked smoke exhaust.
-Pellets finished-Voluntary shut down of the appliance. -The manual reset thermostat trips at 125°C

ROOM FAN
Starts automatically as soon as the smoke thermocouple detects a suitable smoke temperature. Similarly it stops when the fuel is finished or during a voluntary shut down when the smoke thermocouple detects a suitable temperature for activating (to a maximum of 20 minutes).

SMOKE SUCTION UNIT
This is activated when the appliance starts up. In the first minute it «washes» the smoke discharge tube, that is, it functions at maximum working rate. Once this time has elapsed it self-adjusts to the optimal speed. The exhaust continues to operate for approximately twenty minutes from the time the appliance is switched off to allow for the evacuation of all the smoke and for safety purposes.

THERMOCOUPLE
Its function is to verify the temperature of the combustion smoke: when the smoke temperature exceeds a certain value it indicates that the appliance is on. Similarly, when the temperature drops below a certain limit it causes the presence of ALPE on the display.

TANK SAFETY THERMOSTAT
This thermostat starts operating as soon as the temperature in or near the pellet tank approaches 85°C and sends an immediate signal to the room fan to operate at maximum power.

125°C MANUAL RESET THERMOSTAT
When the temperature exceeds 125°C the pellet feed screw shuts down. Display shows the inscription “AL T max”. Once the causes for the overtemperature have been identified and remedied the appliance can be reactivated by unscrewing the plastic cover of the thermostat located on the power panel and pressing the button (the appliance temperature must have considerably dropped).

GLOW PLUG
It is activated in the START phase. Heats the air to 800°C, which assist the first combustion of the pellets present in the brazier. The spark plug is guaranteed for a period of 6 months.

13.2 REQUIREMENTS NECESSARY FOR CORRECT INSTALLATION AND OPERATION

• Read this use and maintenance booklet.
• The appliance must always be switched off from the control panel. It is forbidden to switch off the appliance by means of the main switch 0/I located in the power panel.
• The appliance must never be disconnected from the electrical power supply and the power supply must never be cut off during normal operation. Whenever the appliance is deliberately disconnected from the electric power supply smoke could be emitted into the room.
• Do not install the appliance with horizontal wall outlets only: Evacuation of products of combustion by natural draught must always be guaranteed as well. Unsuitable installation of the outlets could cause a forced shut down of the appliance due to overpressure of the exhaust smoke caused by a gust of wind.
• At the first startup, run the appliance at the maximum power and minimum ventilation for at least ten hours in a well-ventilated room, in order to dispose of the smoke generated by the complete dryness and baking of the silicates contained in the enamel coating of the combustion chamber.
• Do not install a grill or outlet terminal that could slow down the flow of the combustion gases: this would obviously cause the appliance to malfunction.
• Keep the appliance clean and check the burner as described in this use and maintenance guide.
• Clean the smoke outlet regularly.
• Use good quality pellets: use of poor pellets can result in up to 50% less efficiency.
• The pellets must be stored in a well-ventilated, dry place.
• The appliance door must always remain closed during normal operation.
• Do not touch hot outer surfaces, unless with special equipment.
• Do not pour the pellets or other substances directly into the brazier.
• Keep fuel and inflammable materials at a suitable distance.
• Use only original spare parts supplied by the manufacturer.

13.3 TROUBLESHOOTING CAUSES-SOLUTION

PROBLEM	POSSIBLE CAUSE	SOLUTION
PELLETS DO NOT DROP INTO THE BRAZIER	PELLET TANK IS EMPTY THE **"ALPE"** ALARM IS SHOWN ON THE DISPLAY	CLEAN THE BRAZIER AS INDICATED IN THIS USE AND MAINTENANCE GUIDE, THEN FILL UP THE TANK WITH PELLETS
	PELLET FEEDER SCREW BLOCKED BY FOREIGN OBJECT SUCH AS NAIL, NYLON, PIECE OF WOOD THE **"ALPE"** ALARM IS SHOWN ON THE DISPLAY	CUT OFF THE POWER AND REMOVE THE FOREIGN OBJECT FROM THE TANK.
	SMOKE EXHAUST NOT FREE, OR WITH TERMINAL THAT OBSTRUCTS THE PASSAGE OF SMOKE THE **"ALOP"** ALARM IS SHOWN ON THE DISPLAY	CLEAN THE BRAZIER AS IN DICATED IN THIS USE AND MAINTENANCE GUIDE, THEN CHECK THE SMOKE EXHAUST AS IT COULD BE DIRTY OR BLOCKED.
	OUTLET TERMINAL CLOGGED BECAUSE A GRILL OR TERMINAL HAS BEEN INSERTED WHICH PREVENTS THE FREE PASSAGE OF SMOKE THE **"ALOP"** ALARM IS SHOWN ON THE DISPLAY	CLEAN THE BRAZIER AS INDICATED IN THIS USE AND MAINTENANCE GUIDE, THEN REMOVE THE TERMINAL AND REPLACE IT WITH A MORE SUITABLE ONE.
	A LONG GUST OF WIND HAS CAUSED THE APPLIANCE TO GO INTO SAFETY MODE. THE **"ALOP"** ALARM IS SHOWN ON THE DISPLAY	CLEAN THE BRAZIER AS DESCRIBED IN THIS USE AND MAINTENANCE GUIDE, DE-ENERGISE THE APPLIANCE THEN POWER UP AGAIN
	THE PELLET FEED MOTOR IS NOT WORKING THE **"ALPE"** ALARM IS SHOWN ON THE DISPLAY	REPLACE THE PELLET FEED MOTOR
	THE RESET THERMOSTAT TRIPS AND LOCKS THE GEARMOTOR THE **"ALARM T.MAX"** ALARM IS SHOWN ON THE DISPLAY	AFTER HAVING VERIFIED AND FOUND A SOLUTION FOR THE OVERTEMPERATURE PROBLEM, WAIT UNTIL THE APPLIANCE COOLS DOWN AND RESET THE THERMOSTAT.
	APPLIANCE DOOR OPEN THE **"ALOP"** ALARM IS SHOWN ON THE DISPLAY	CLOSE THE DOOR
THE APPLIANCE ACCUMULATES PELLETS IN THE BRAZIER WHILE OPERATING	SMOKE EXHAUST NOT FREE, OR WITH TERMINAL THAT OBSTRUCTS THE PASSAGE OF SMOKE	CLEAN THE BRAZIER AS IN DICATED IN THIS USE AND MAINTENANCE GUIDE, THEN CHECK THE SMOKE EXHAUST AS IT COULD BE DIRTY OR BLOCKED OR REMOVE THE TERMINAL AND REPLACE IT WITH A MORE SUITABLE ONE.
	THE BRAZIER IS VERY DIRTY.	CLEAN THE BRAZIER AS INDICATED IN THIS USE AND MAINTENANCE GUIDE
	THE APPLIANCE DOOR IS NOT TIGHT, THE GASKET IS WORN	CLOSE THE DOOR FIRMLY / REPLACE THE GASKET
	PELLET WITH ASH DEPOSIT GREATER THAN STANDARD OR OF DUBIOUS QUALITY	CLEAN THE BRAZIER AND SET OPERATING PROGRAM **LEVEL 2,** AS INSTRUCTED IN THIS USE AND MAINTENANCE GUIDE. IF THIS DOES NOT SUFFICE, CHANGE TO A BETTER QUALITY OF PELLETS
THE APPLIANCE LEAKS SMOKE INTO THE ROOM	OCCURS THE FIRST TIME THE APPLIANCE IS SWITCHED ON AS THE SILICONE PAINT IS BEING BAKED	RUN THE APPLIANCE AT HIGH POWER LEVELS FOR A FEW DAYS
	THE SMOKE EXHAUST IS NOT SEALED CORRECTLY	CHECK THE TIGHTNESS OF THE FLUE OUTLET AND IN PARTICULAR THE CONDITION OF THE EXHAUST PIPES AND THE GASKETS
	IF THE APPLIANCE STARTS TO SMOKE AFTER 25 MINUTES: DIRTY BURNER, VERY DELAYED START	CLEAN THE BRAZIER AS INDICATED IN THIS USE AND MAINTENANCE GUIDE
	IF THE APPLIANCE STARTS TO SMOKE AFTER 25 MINUTES: DELAYED START BECAUSE THE SCREW FEEDER WAS EMPTY	CLEAN THE BRAZIER AS INDICATED IN THIS USE AND MAINTENANCE GUIDE, THEN FILL UP THE TANK WITH PELLETS
	OVERPRESSURE RELIEF VALVE TRIPPING	MAKE SURE THAT ALL THE CLEANING, ROUTINE AND EXTRAORDINARY MAINTENANCE INSTRUCTIONS SET OUT IN THIS USE AND MAINTENANCE GUIDE ARE STRICTLY ADHERED TO
THE APPLIANCE ENTERS ALARM MODE A FEW MINUTES AFTER THE START SEQUENCE HAS ENDED	DELAYED START BECAUSE THE SCREW FEEDER IS EMPTY THE **"ALAC"** ALARM IS SHOWN ON THE DISPLAY	CLEAN THE BRAZIER AS INDICATED IN THIS USE AND MAINTENANCE GUIDE, THEN FILL UP THE TANK WITH PELLETS
	START UP HAS BEEN GREATLY DELAYED BECAUSE THE BRAZIER IS DIRTY THE **"ALAC"** ALARM IS SHOWN ON THE DISPLAY	CLEAN THE BRAZIER AS INDICATED IN THIS USE AND MAINTENANCE GUIDE, THEN FILL UP THE TANK WITH PELLETS
THE APPLIANCE DOES NOT START UP	THE SPARK PLUG IS NOT WORKING THE **"ALAC"** ALARM IS SHOWN ON THE DISPLAY	CLEAN THE BRAZIER AS INDICATED IN THIS USE AND MAINTENANCE GUIDE, THEN REPLACE THE SPARK PLUG
	THE PELLET TANK OR SCREW FEEDER IS EMPTY THE **"ALAC"** ALARM IS SHOWN ON THE DISPLAY	CLEAN THE BRAZIER AS INDICATED IN THIS USE AND MAINTENANCE GUIDE, THEN FILL UP THE TANK WITH PELLETS
	EXCESSIVE DRAUGHT IN THE FLUE OUTLET THE **"ALAC"** ALARM IS SHOWN ON THE DISPLAY	HAVE THE FLUE OUTLET DRAUGHT CHECKED
	THE HOLE OF THE SPARK PLUG IS CLOGGED WITH COMBUSTION RESIDUES	CLEAN THE BRAZIER AS INDICATED IN THIS USE AND MAINTENANCE GUIDE
THE GLASS IS COVERED IN BLACK SOOT	THE APPLIANCE ACCUMULATES PELLETS IN THE BRAZIER	CLEAN THE BRAZIER AND SET OPERATING PROGRAM **LEVEL 2,** AS INSTRUCTED IN THIS USE AND MAINTENANCE GUIDE. IF THIS DOES NOT SUFFICE, CHANGE TO A BETTER QUALITY OF PELLETS
	THE APPLIANCE OPERATES WITH FREQUENT ON-OFF CYCLES	THE APPLIANCE SHOULD RUN FOR LONGER PERIODS OF TIME TO REDUCE THE ON/OFF EVENTS
	THE FLUE OUTLET HAS POOR DRAUGHT	HAVE THE FLUE OUTLET DRAUGHT CHECKED AND IF NECESSARY MAKE THE APPROPRIATE MODIFICATIONS
	PELLETS OF DUBIOUS QUALITY	CLEAN THE BRAZIER AND SET OPERATING PROGRAM **LEVEL 2,** AS INSTRUCTED IN THIS USE AND MAINTENANCE GUIDE. IF THIS DOES NOT SUFFICE, CHANGE TO A BETTER QUALITY OF PELLETS

PROBLEM	POSSIBLE CAUSE	SOLUTION
THE TEMPERATURE OF THE APPLIANCE DOES NOT RISE	ROOM TEMPERATURE THERMOSTAT SET TOO LOW, APPLIANCE OPERATES INTERMITTENTLY	THE APPLIANCE NEEDS TO RUN FOR MORE HOURS AT A HIGHER POWER; SET A HIGHER ROOM TEMPERATURE
	THE ROOM IS TOO LARGE, THE WALLS ARE COLD	THE APPLIANCE SHOULD OPERATE FOR MORE TIME AND WITH MORE POWER
	PELLETS OF DUBIOUS QUALITY	CHANGE TO AN APPROVED TYPE AS INDICATED IN THIS USE AND MAINTENANCE GUIDE
	CEILINGS TOO HIGH OR PRESENCE OF STAIRS THAT DISPERSE THE HEAT ELSEWHERE.	SEPARATE THE SPACES OR RUN THE APPLIANCE AT HIGHER LEVELS FOR LONGER PERIODS OF TIME
THE APPLIANCE IS OFF BUT THERE ARE UNBURNT PELLETS IN THE BRAZIER	PELLETS HAVE RUN OUT IN THE TANK WHILE THE APPLIANCE IS RUNNING THE **"ALPE"** ALARM IS SHOWN ON THE DISPLAY	CLEAN THE BRAZIER AS INDICATED IN THIS USE AND MAINTENANCE GUIDE, THEN FILL UP THE TANK WITH PELLETS
	EXCESSIVE DRAUGHT IN THE FLUE OUTLET THE **"ALPE"** ALARM IS SHOWN ON THE DISPLAY	HAVE THE FLUE OUTLET DRAUGHT CHECKED AND IF NECESSARY MAKE THE APPROPRIATE MODIFICATIONS
THE TIME DOES NOT REMAIN IN THE MEMORY	THE BUFFER BATTERY INSTALLED IN THE CONTROL PANEL IS EXHAUSTED	REPLACE THE BATTERY
THE HOURLY PROGRAM IS NOT COMPLIED WITH	THE USER HAS NOT ENABLED IT	PRESS THE CLOCK BUTTON TO ENABLE IT AS INSTRUCTED IN THIS USE AND MAINTENANCE GUIDE
	THE BUFFER BATTERY INSTALLED IN THE CONTROL PANEL IS EXHAUSTED	REPLACE THE BATTERY
	AN ERROR HAS BEEN MADE WITHIN THE PROGRAMMED CYCLE: A SHUT OFF TIME HAS BEEN SET BEFORE THE START TIME	VERIFY THE TIMES SET IN THE CHRONO SCREEN
AFTER A FEW HOURS OF OPERATION A DEPOSIT APPEARS ON THE GLASS	THIS PROBLEM OCCURS IN NEW PRODUCTS AND IS CAUSED BY THE EVAPORATION OF SOLVENTS PRESENT IN THE SILICONE	CLEAN THE GLASS WITH NITRO THINNER
THE TANK COVER DOES NOT RUN AND SLIDE ON THE TUBE SCRAPER KNOBS	THE APPLIANCE IS VERY DIRTY.	MAKE SURE THAT ALL THE CLEANING, ROUTINE AND EXTRAORDINARY MAINTENANCE INSTRUCTIONS SET OUT IN THIS USE AND MAINTENANCE GUIDE ARE STRICTLY ADHERED TO
THE TANK COVER DOES NOT SLIDE EASILY OR AT ALL	SOME PELLETS HAVE GOT STUCK INSIDE THE COVER SLIDES	CHECK THE SLIDES AND VACUUM THE AREA TO REMOVE ALL PELLETS

IF THE REMEDIES SUPPLIED HERE DO NOT SOLVE THE PROBLEM YOU HAVE ENCOUNTERED OR IF YOU REQWUIRE SPARE PARTS CONTACT AN AUTHORISED TECHNICAL SUPPORT CENTRE