INDEX


THERMOROSSI
PELLET, WOOD & SUN TECHNOLOGIES

"EC" DECLARATION OF CONFORMITY

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 pellets *Pellet stove*
Marchio *Trademark*	**THERMOROSSI S.P.A.**
Modello *Model*	**Dorica** **Dorica Plus**

è conforme alle disposizioni legislative che traspongono le seguenti Direttive:
- **2004/108/CE (Direttiva EMC)**
- **2006/95/CE (Direttiva Bassa Tensione)**
- **89/106/CEE (Direttiva Prodotti da Costruzione) e successivi emendamenti**

is in accordance with the following Directives:
- ***2004/108/EC Directive (EMC Directive)***
- ***2006/95/EC Directive (Low Voltage Directive)***
- ***89/106/EEC Directive (Construction Products Directive) and subsequent amendments***

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 55014-2 EN 61000-3-2 EN 61000-3-3	EN 60335-1 EN 60335-2-102 EN 62233	EN 14785

Luogo **Arsiero**
Place

Data **15/06/2012**
Date

Firma
Sign
(nome e funzione)
(name and title)

THERMOROSSI S.P.A.
Un Amministratore

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 the switch installed at the back of the appliance to the OFF position 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 manual is lost or deteriorated contact the manufacturer for a replacement copy. 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.

NORMATIVE REFERENCES :
complies with the legislative provisions transposing the following Directives:
2004/108/CE (EMC Directive)
2006/95/CE (Low voltage directive)
89/106/CEE (Construction Products Directive) and subsequent amendments
and that all the standards and/or technical specifications listed below were applied
EN 55014-1 EN 55014-2 EN 61000-3-2 EN 61000-3-3 EN 60335-1 EN 60335-2-102 EN 62233 EN 14785

1.2.1. RECOMMENDATIONS

Before using the appliance, carefully read every section of this instruction manual as knowledge of the information and the regulations contained in it are essential for a correct use of the appliance.
The entire operation concerning the connection of the electric panel must be carried out by expert personnel; 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.

1.2.2 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 use make sure that the burner is clean and positioned correctly in its lodging, check that the ash pans are clean and shut tight and check that the firebox door is locked.
WARNING: the door must always remain shut tight when the appliance 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, do not overheat the room in which the appliance is installed, as these actions could cause health problems. Do not expose plants or animals directly to the hot air flow as this could have noxious effects on them. It is strictly forbidden to use any type of fuel (liquid, solid...) to light the appliance: the appliance must light up automatically as designed and described in this installation, use and maintenance booklet; in this regard, it is strictly prohibited to pour pellets (or other material) directly 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.

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.

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 heaters issued by the Association of Cantonal Fire Agencies (VKF - AEAI).

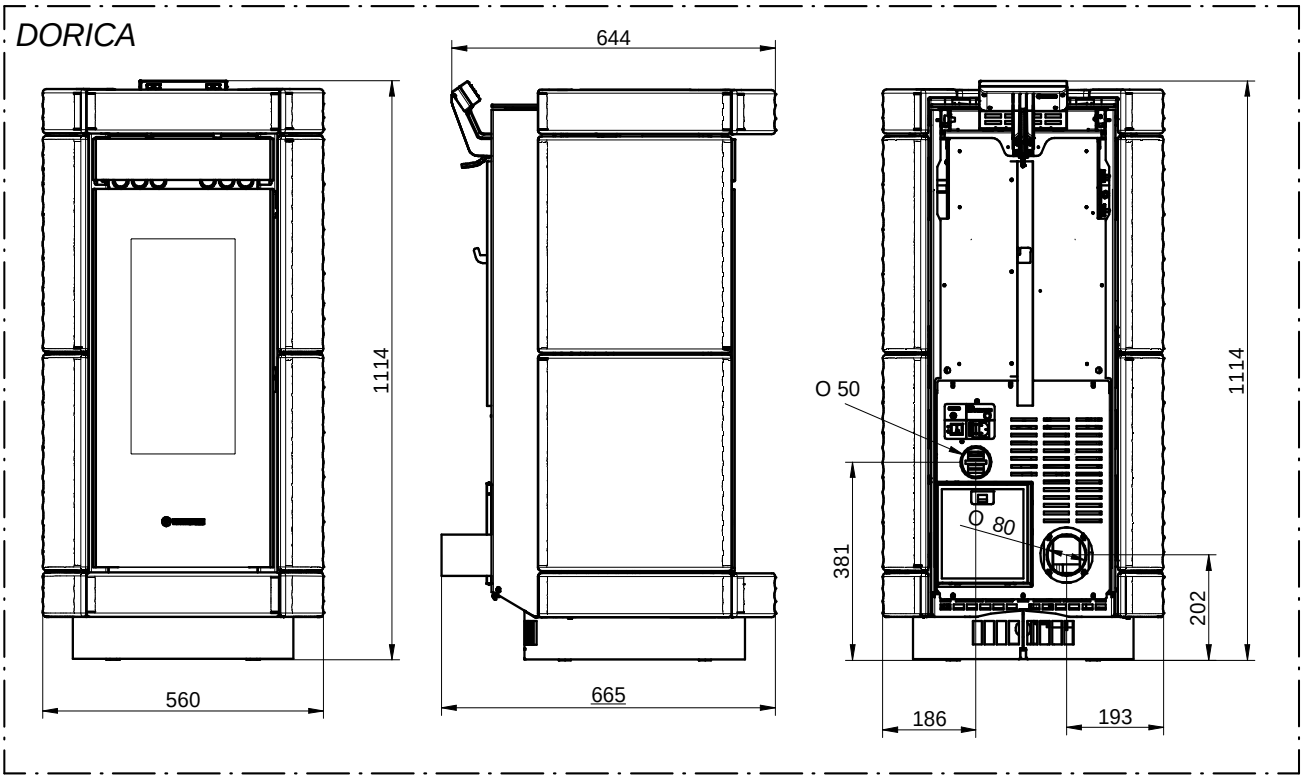
1.3 TRANSPORTATION AND STORAGE

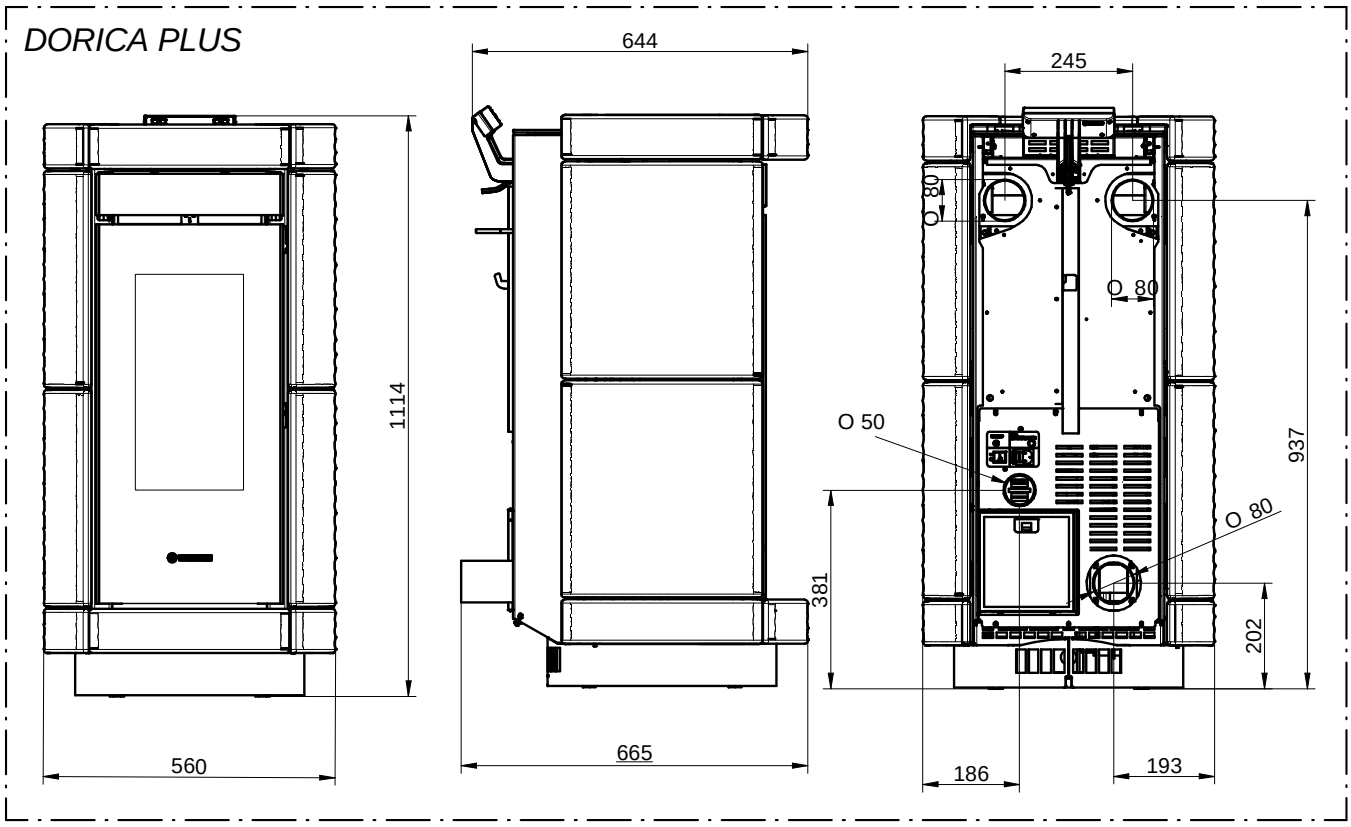
TRANSPORTATION AND HANDLING
The appliance must always be in a vertical position when handled and exclusively by means of trolleys. Take special care to protect the electric panel, the glass, and all the fragile parts from mechanical impact which could damage them and their correct functioning.
STORAGE
The appliance must be stored in a humid-free environment and sheltered from the weather; do not place the appliance directly on the floor. 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*

	DORICA METALCOLOR	DORICA MAIOLICA	DORICA PLUS METALCOLOR	DORICA PLUS MAIOLICA
Height (mm)	1114	1114	1114	1114
Depth (mm)	665	665	665	665
Length (mm)	560	560	560	560
Weight (Kg)	132	142	132	142
Firebox power Min. / Max. (KW)	2.98 / 10.2	2.98 / 10.2	2.98 / 10.2	2.98 / 10.2
Rated power Min. / Max. (KW)	2.5 / 9.2	2.5 / 9.2	2.5 / 9.2	2.5 / 9.2
Min/max consumption (Kg/h)	0.70/2.3	0.70/2.3	0.70/2.3	0.70/2.3
Ø smoke exhaust pipe (mm)	80	80	80	80
Min. draught at rated power (Pa)	12	12	12	12
Min. draught at reduced power (Pa)	10	10	10	10
Tank capacity (Kg)	approx. 19	approx. 19	approx. 15	approx. 15
Average smoke temperature at rated power (℃)	180	180	180	180
Average smoke temperature at reduced power (℃)	Not detected	Not detected	Not detected	Not detected
Smoke flow at rated power (g/sec)	5.5	5.5	5.5	5.5
Smoke flow at reduced power (g/ sec)	Not detected	Not detected	Not detected	Not detected
Efficiency at rated power (%)	90.2	90.2	90.2	90.2
Efficiency at reduced power (%)	84.2	84.2	84.2	84.2
CO concentration in exhaust gas with 13% O2 at rated power (mg/M3)	188	188	188	188
CO concentration in exhaust gas with 13% O2 at rated power (mg/M3)	Not detected	Not detected	Not detected	Not detected
Power supply voltage and frequency	220 V 50 HZ	220 V 50 HZ	220 V 50 HZ	220 V 50 HZ
Max electrical consumption	1.17A - 270W	1.17A - 270W	1.17A - 270W	1.17A - 270W
Min electrical consumption	0.34A - 70W	0.34A - 70W	0.34A - 70W	0.34A - 70W
Room heating capacity cubic metres	210**	210**	210**	210**

*** All the data are based on the appliance fuelled with Austrian standard ÖNORM M 7135 type-approved pellets.**
**** 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.**





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 PELLETS

The appliance is fuelled by pellets, that is, cylinders of compressed sawdust; this allows you to fully enjoy the heat of the flame without having to manually stoke the combustion.
The pellets have a 6 mm diameter and a maximum length of 15 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.

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

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 as the screw feeder at its base is in motion. 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;

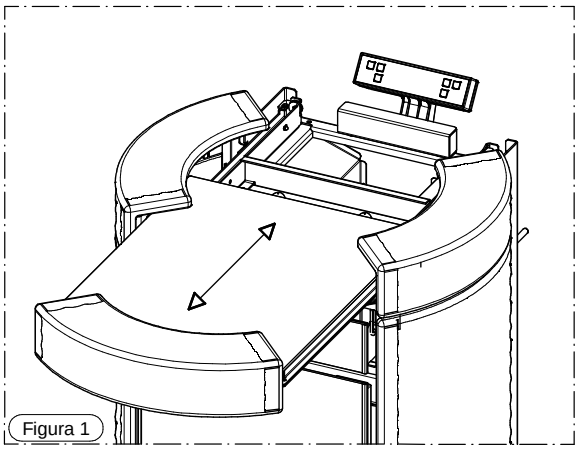


Figura 1

Never insert foreign objects into the tank. To access the feedbox firstly remove the tank cover as illustrated in Figure 1.

Caution: it is very important to use the supplied glove when removing the cover as the ceramic can be extremely hot.

Attention: 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

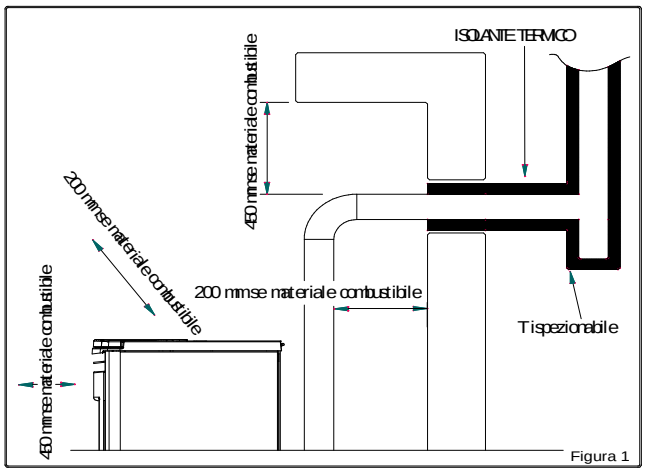
4.1 POSITIONING OF THE APPLIANCE

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 combined weight of the appliance and 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.



These documents must, by law, be kept together with the use and maintenance guide. 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.

ATTENTION , 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.

LEGENDA
Figura 1
ISOLANTE TERMICO
T ispezionabile
200/450 mm se materiale combustibile

KEY
Figure 1
HEAT INSULATING MATERIAL
Inspectable Tee element
200/450 mm if the material is combustible

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.

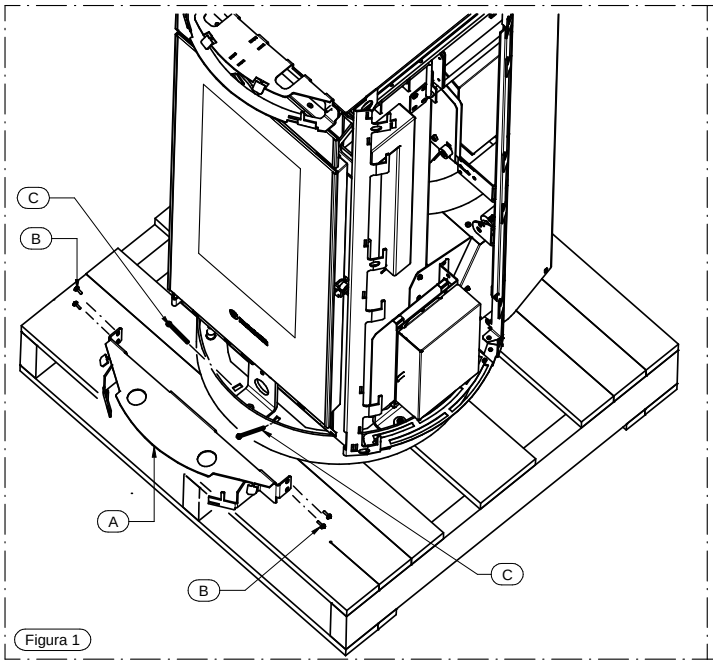


Figura 1

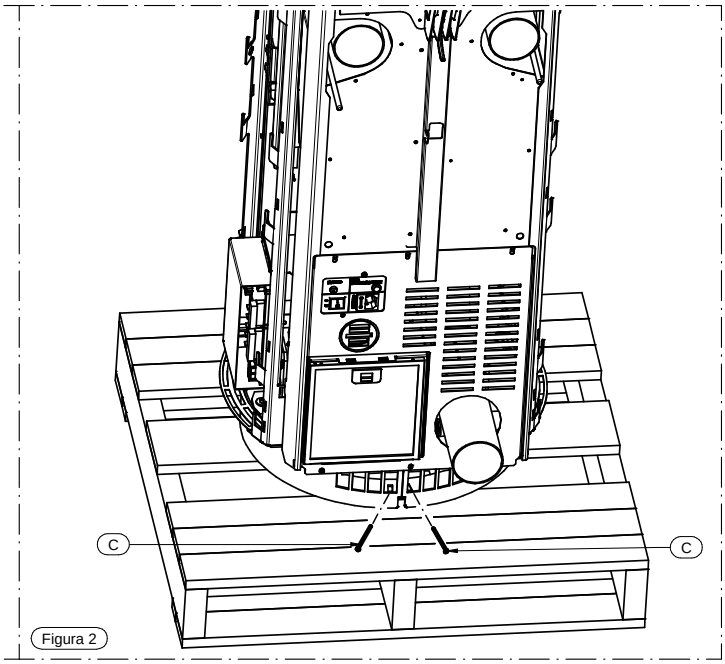


Figura 2

4.3 UNPACKING THE MAJOLICA CASING AND THE METALCOLOR CASING

To unpack the majolica casing follow the instructions illustrated in Figure 1; firstly open the box and remove the 2 polystyrene elements A, then, with extreme care, remove each of the ceramic elements: once you have removed the ceramic indicated with the letter C remove the polystyrene element D followed by the ceramic E.
To unpack the metalcolor casing follow the instructions illustrated in Figure 2; firstly open the box and remove the 2 polystyrene elements E and remove the side panel F. Proceed to remove the polystyrene elements G which enclose 3 ceramics. Lastly remove the second side panel F. Caution: the painted casings are delicate and must be handled with extreme care. Wear soft cotton gloves. Clean with soft microfibre cloths for delicate surfaces such as lenses, glasses, monitors...

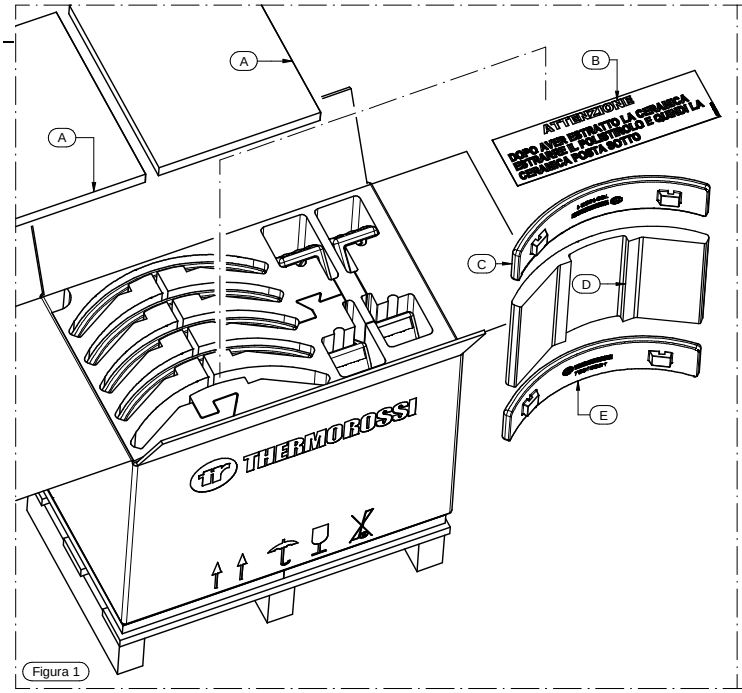


Figura 1

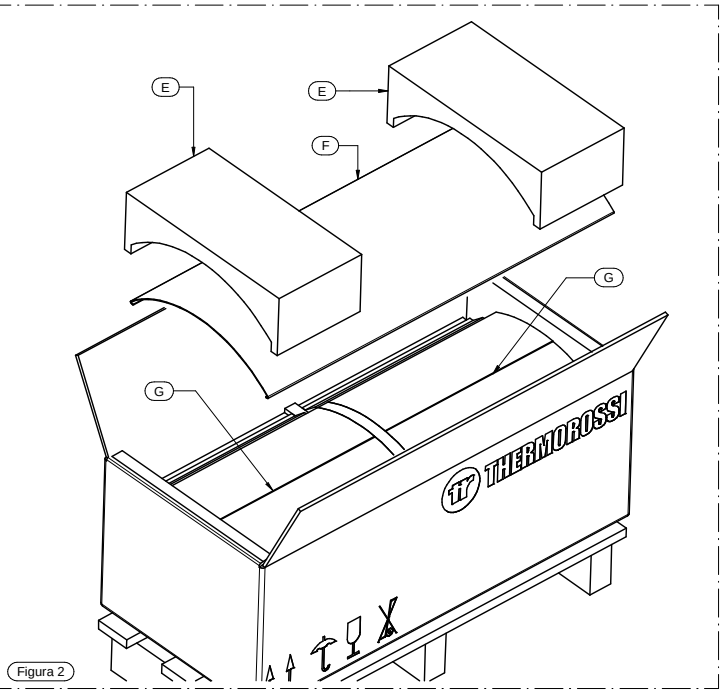


Figura 2

4.4 MOUNTING MAJOLICA CASING DORICA DORICA PLUS

Unpack the majolica casing and follow the instructions set out below:
- The majolica elements are numbered on the inner surface (Figure 1).
- Firstly remove support B by acting on the screws A then insert the ceramic (1↑) in the support; to make it integral with the support act on the indicated stops. Next fix this assembled unit with the screws removed earlier (Figure 2 and Figure 3).
- Next mount the ceramic (2↑) as indicated in Figure 4, that is, by slightly bending the stops until the ceramic is securely fastened.
- Then mount the ceramics (3↑) and (4↑) following the indications in Figure 5, that is, by slightly bending the stops until the ceramic is securely fastened.
- Next mount the ceramic (5↑) following the indications in Figure 6, that is, by slightly bending the tabs until the ceramic is securely fastened.
- Continue the procedure by mounting ceramics (6↑) (7↑) (8↑) and (9↑) using the assembly logic described above (Figure 1).
- Lastly, mount the ceramic (10↑):

remove the tank cover as indicated in Figure 7 and slightly loosen, by one turn, the 3 screws indicated with the letter C. Next remove support D by lifting it and pulling it outwards. Fix the ceramic (10↑) as indicated in Figure 8 using the same procedure described above (it is mandatory to fix the ceramic securely to the support D with black high temperature silicone sealant). Next fix this assembled unit by tightening the screws C (see Figure 9).
It is recommended to use pliers to bend the tabs.

CAUTION, IMPORTANT: carefully adjust the ceramics particularly around the handle area and verify that the handle does not touch the ceramic when opening or closing the door.

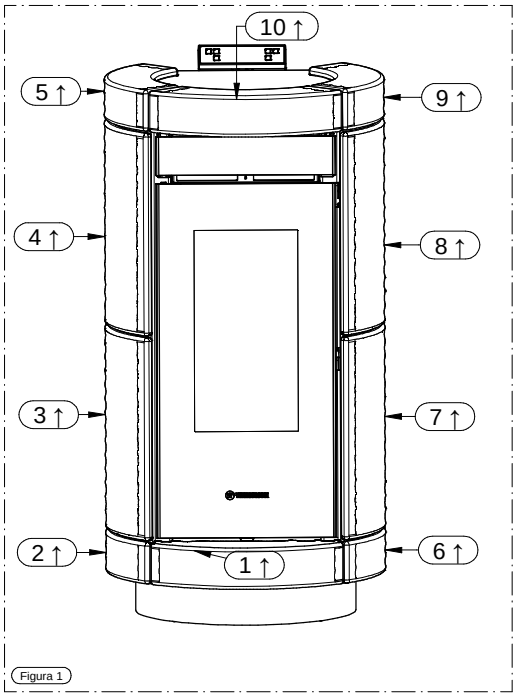


Figura 1

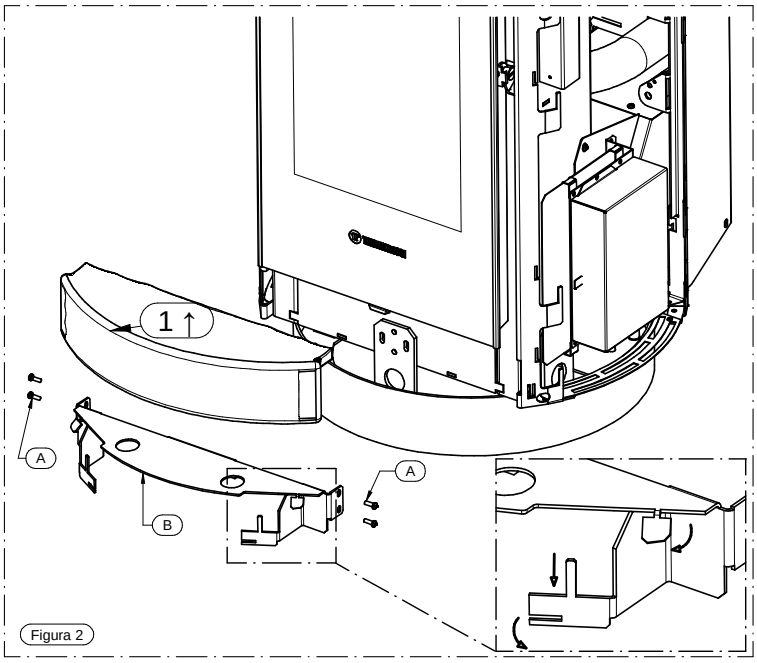


Figura 2

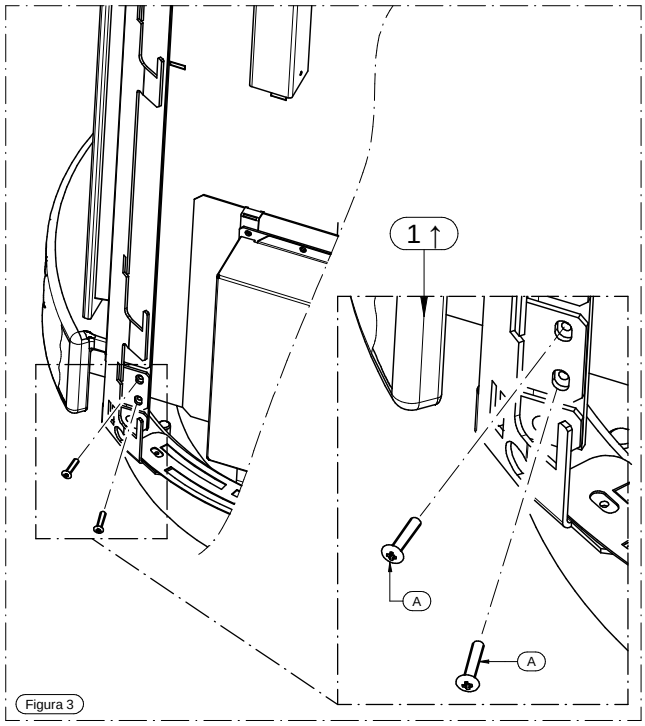


Figura 3

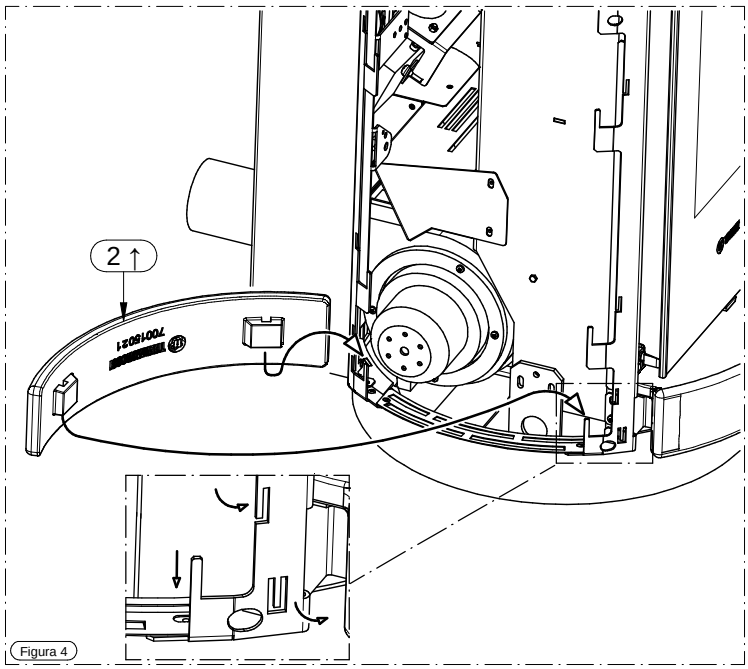


Figura 4

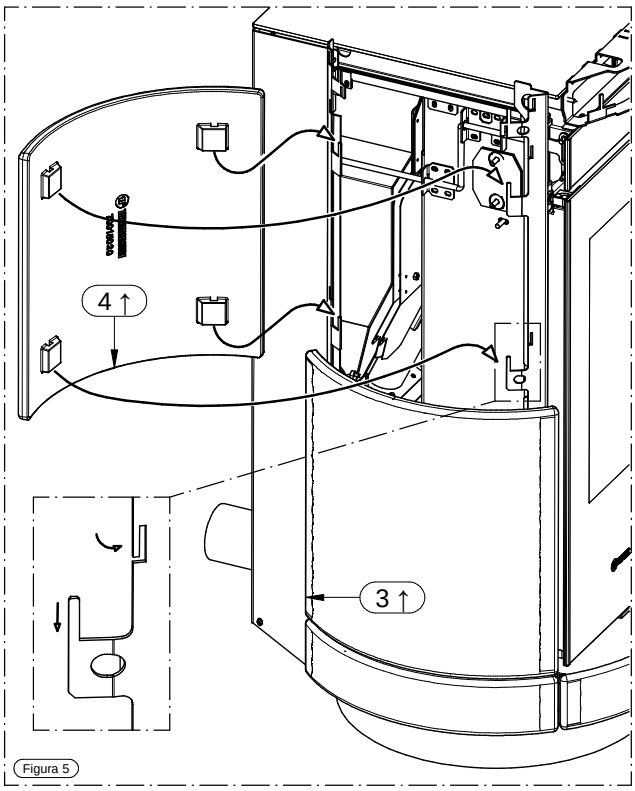


Figura 5

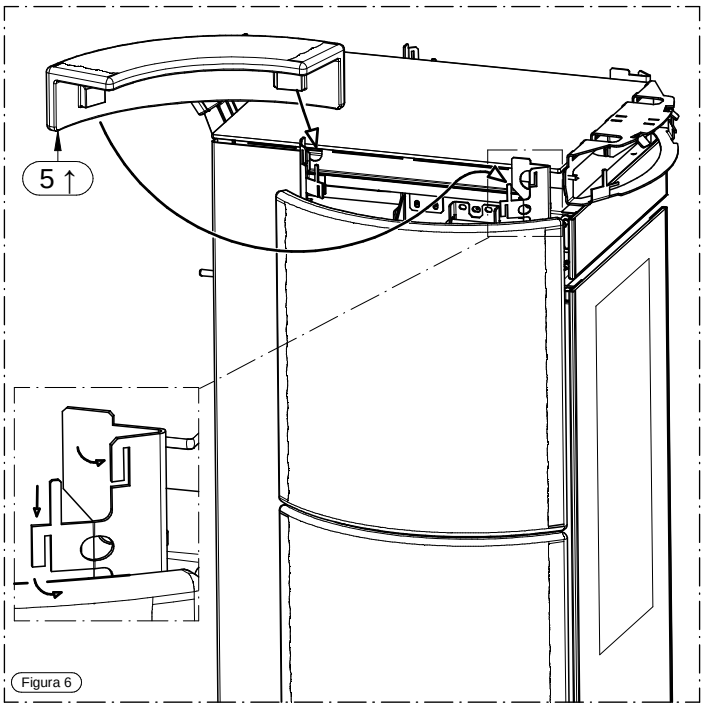


Figura 6

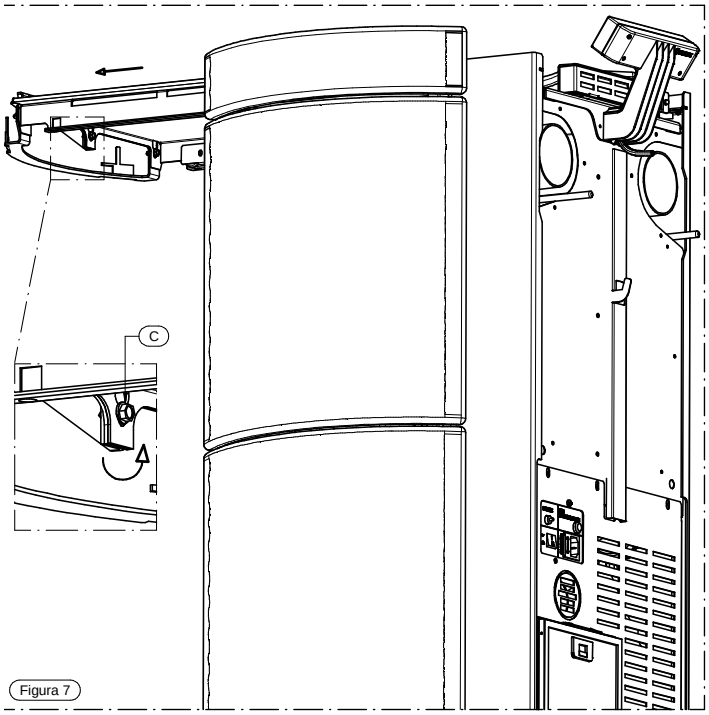


Figura 7

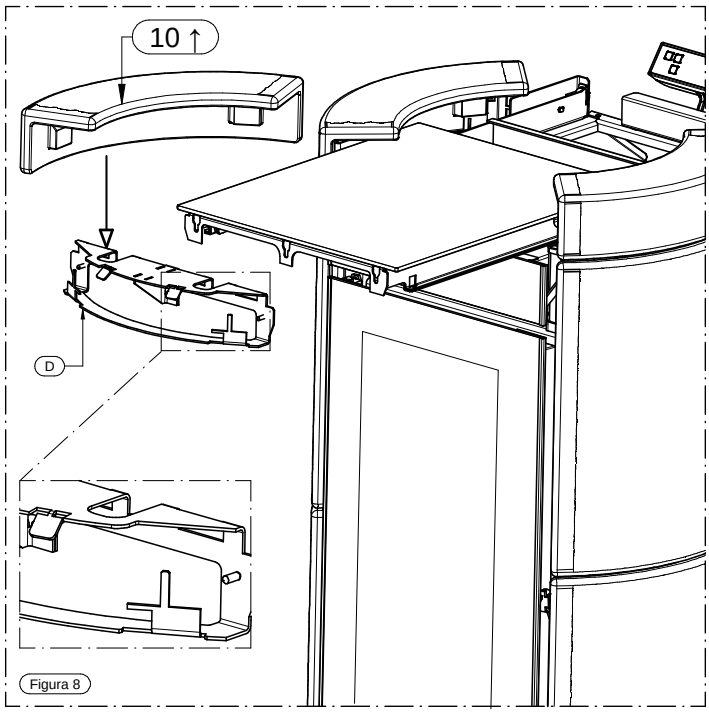


Figura 8

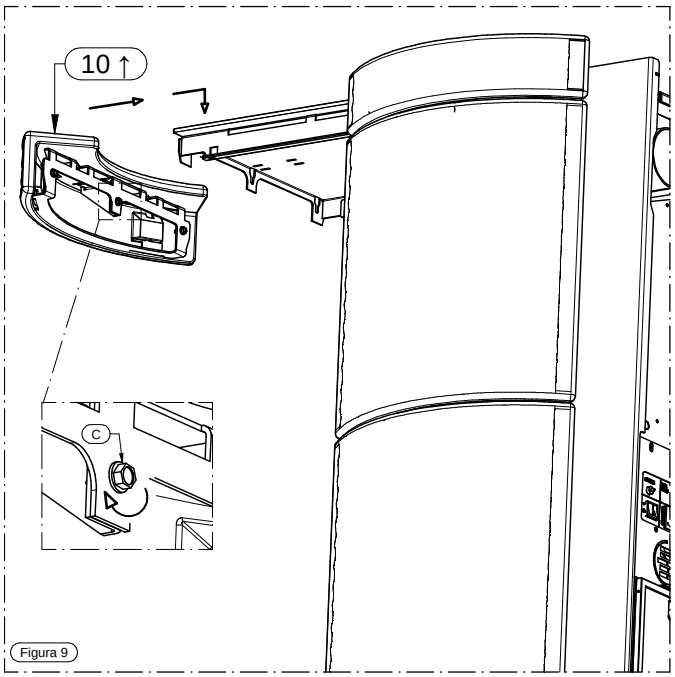


Figura 9

4.5 MOUNTING METALCOLOR CASING DORICA DORICA PLUS

Unpack the metalcolor casing and follow the instructions set out below:
- The majolica elements are numbered on the inner surface (Figure 1).
- Firstly remove support B by acting on the screws A then insert the ceramic (1↑) in the support; to make it integral with the support act on the indicated stops. Next fix this assembled unit with the screws removed earlier (Figure 2 and Figure 3).
- Next mount the ceramic (2↑) as indicated in Figure 4, that is, by slightly bending the stops until the ceramic is securely fastened.
- Then mount the metalcolor side panel (3↑) following the indications in Figure 5, that is, by slightly bending the stops until the metalcolor side panel is securely fastened.
- Next mount the ceramic (5↑) following the indications in Figure 6, that is, by slightly bending the tabs until the ceramic is securely fastened.
- Continue the procedure by mounting ceramics (6↑), the metal side panel (7↑) and the ceramic (9↑) (Figure 1).
- Lastly, mount the ceramic (10↑):

remove the tank cover as indicated in Figure 7 and slightly loosen, by one turn, the 3 screws indicated with the letter C. Next remove support D, fix the ceramic (10↑) as indicated in Figure 8 using the same procedure described above (it is mandatory to fix the ceramic securely to the support D with black high temperature silicone sealant). Next fix this assembled unit by tightening the screws C (see Figure 9). It is recommended to use pliers to bend the tabs.

CAUTION, IMPORTANT: carefully adjust the ceramics particularly around the handle area and verify that the handle does not touch the ceramic when opening or closing the door.

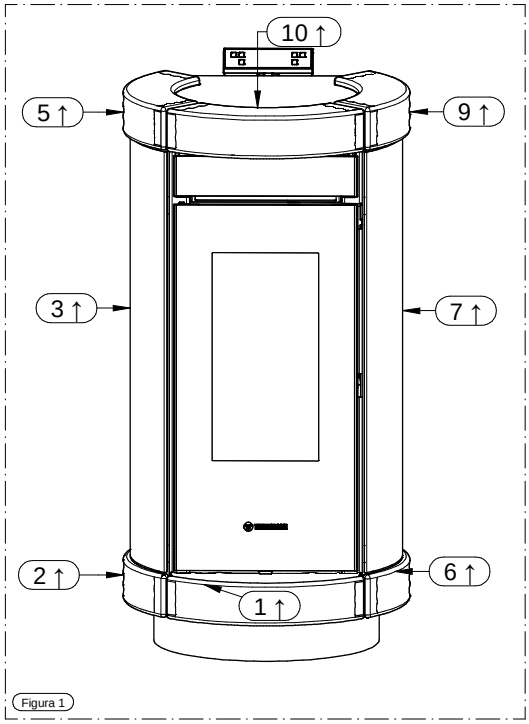


Figura 1

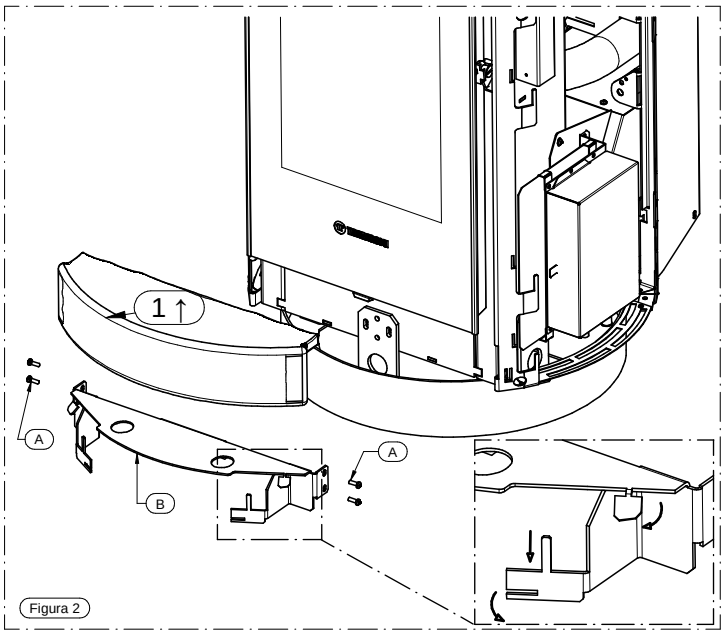


Figura 2

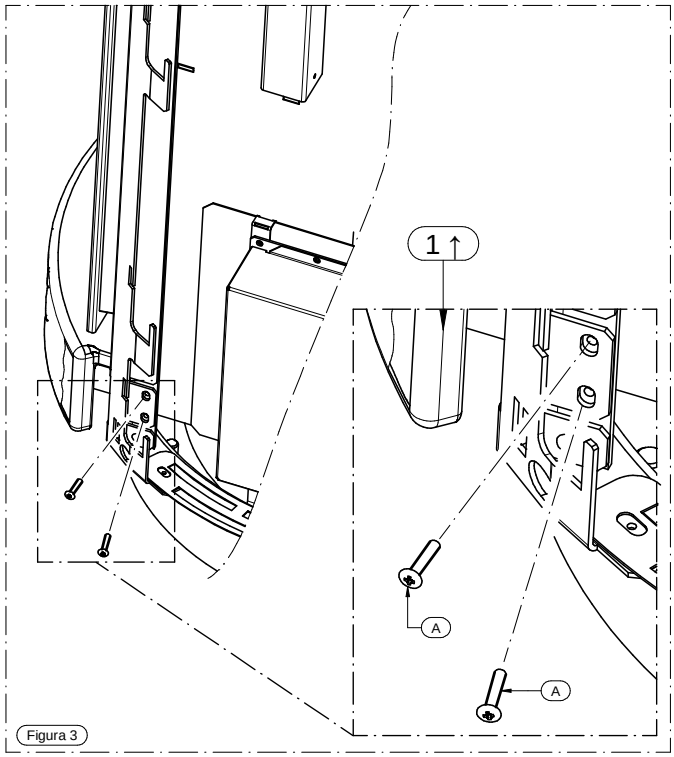


Figura 3

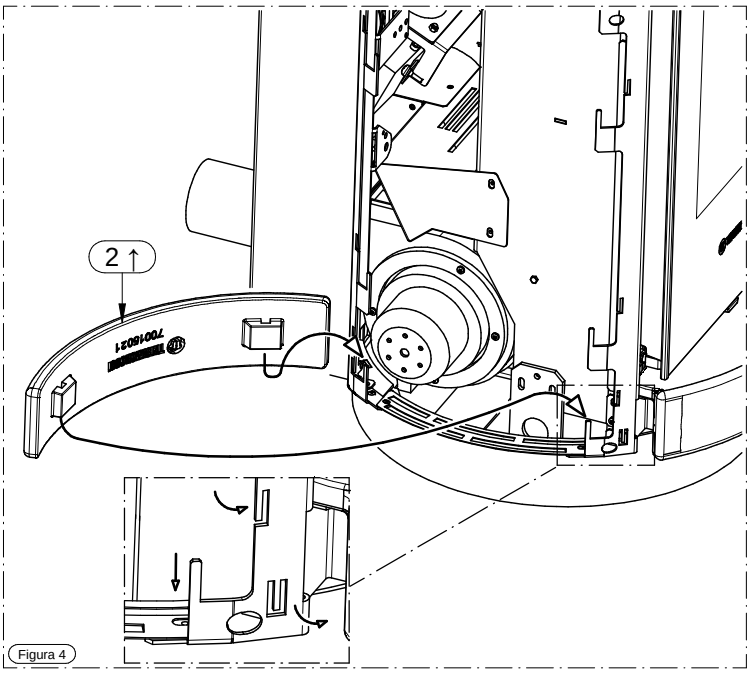


Figura 4

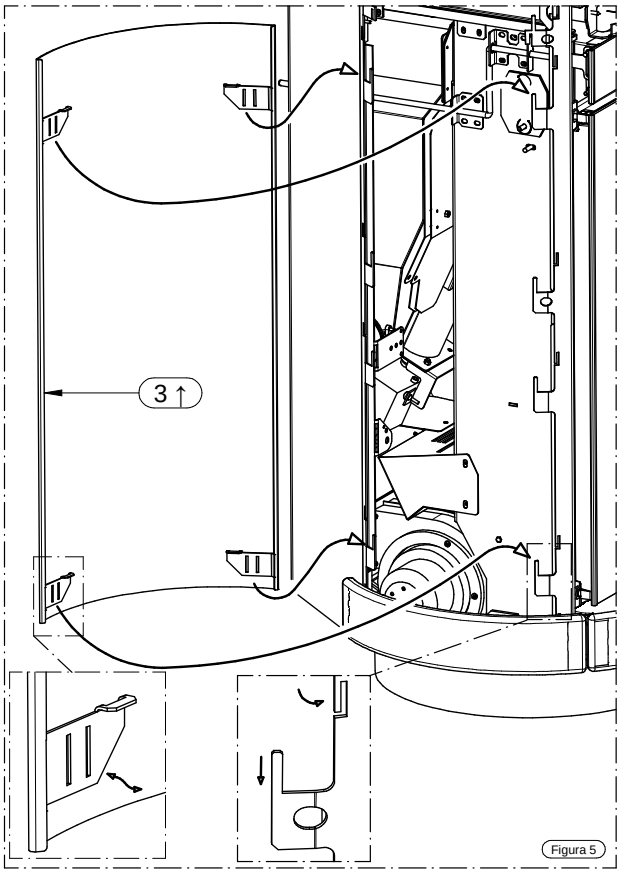


Figura 5

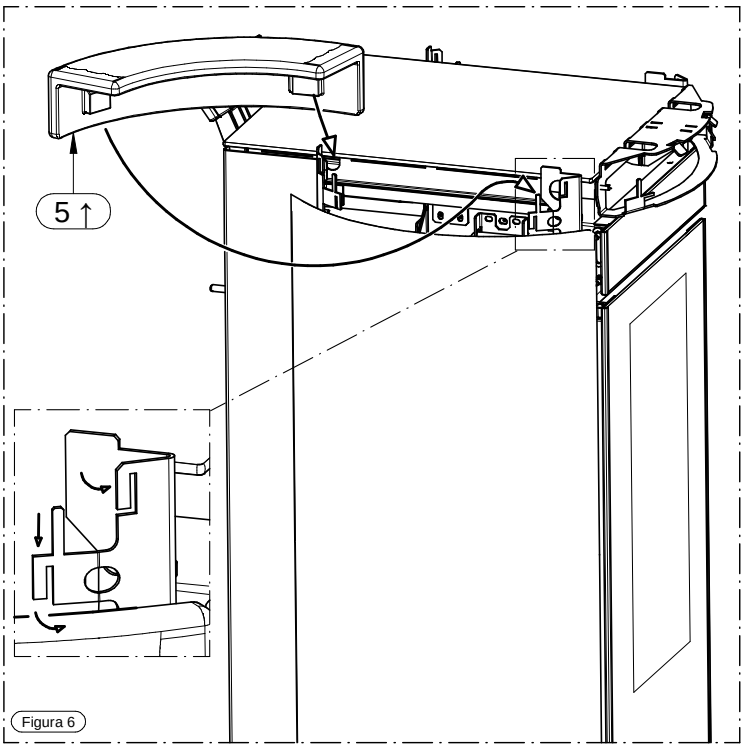


Figura 6

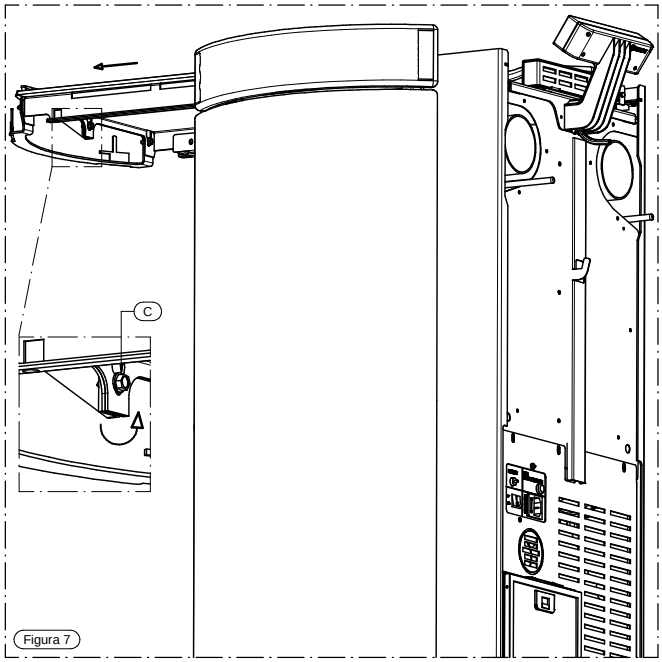


Figura 7

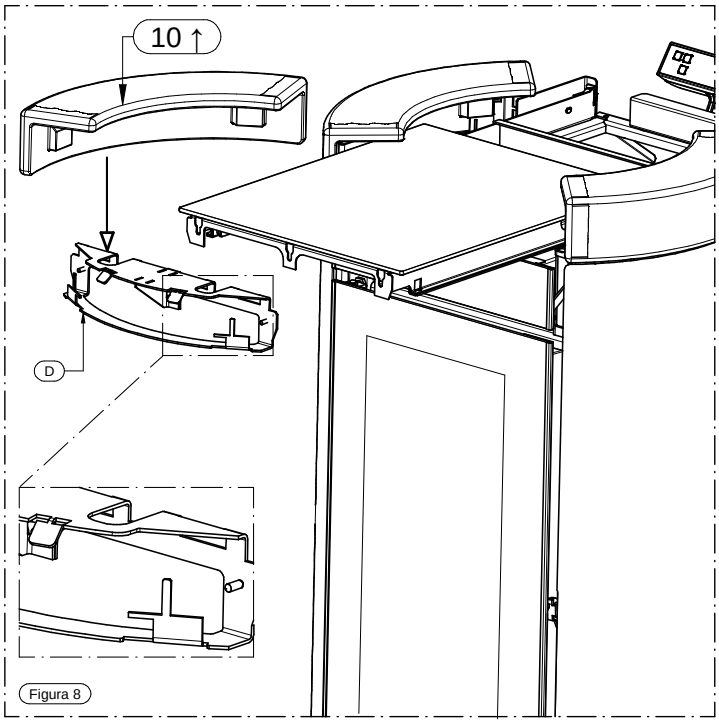


Figura 8

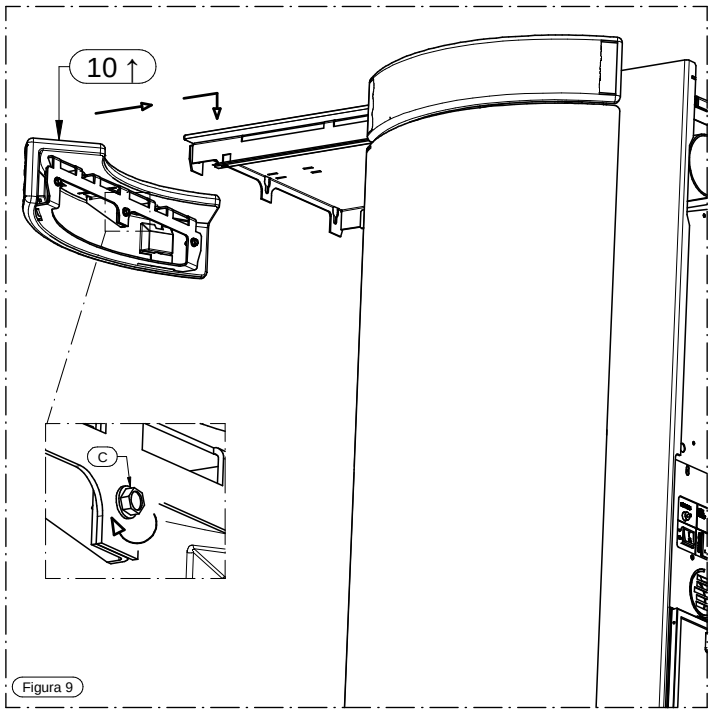


Figura 9

4.6 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 booklet and particularly with those in Chapter 9.

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).
Installed in this way the hot air can be channelled to the back using both vents.

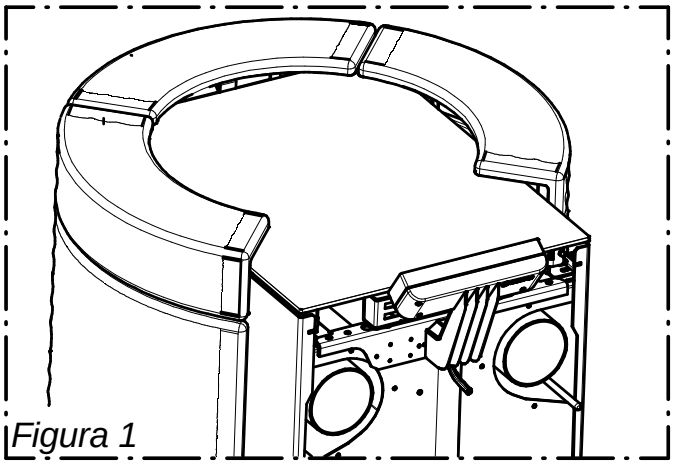


Figura 1

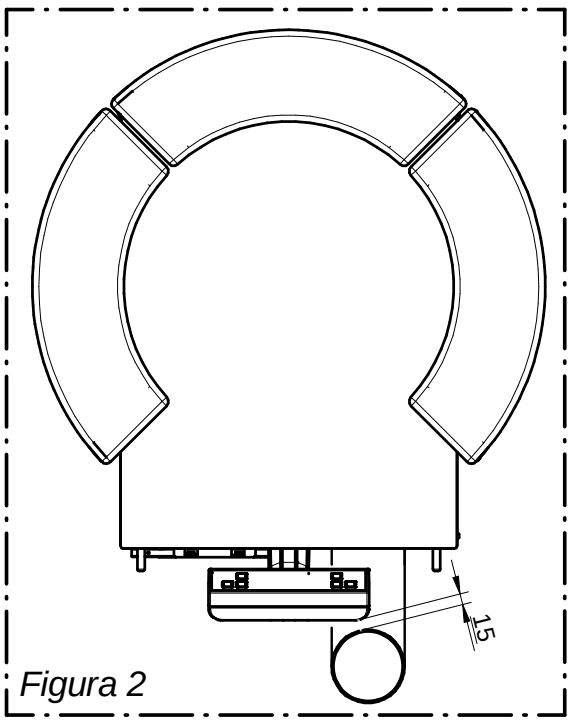


Figura 2

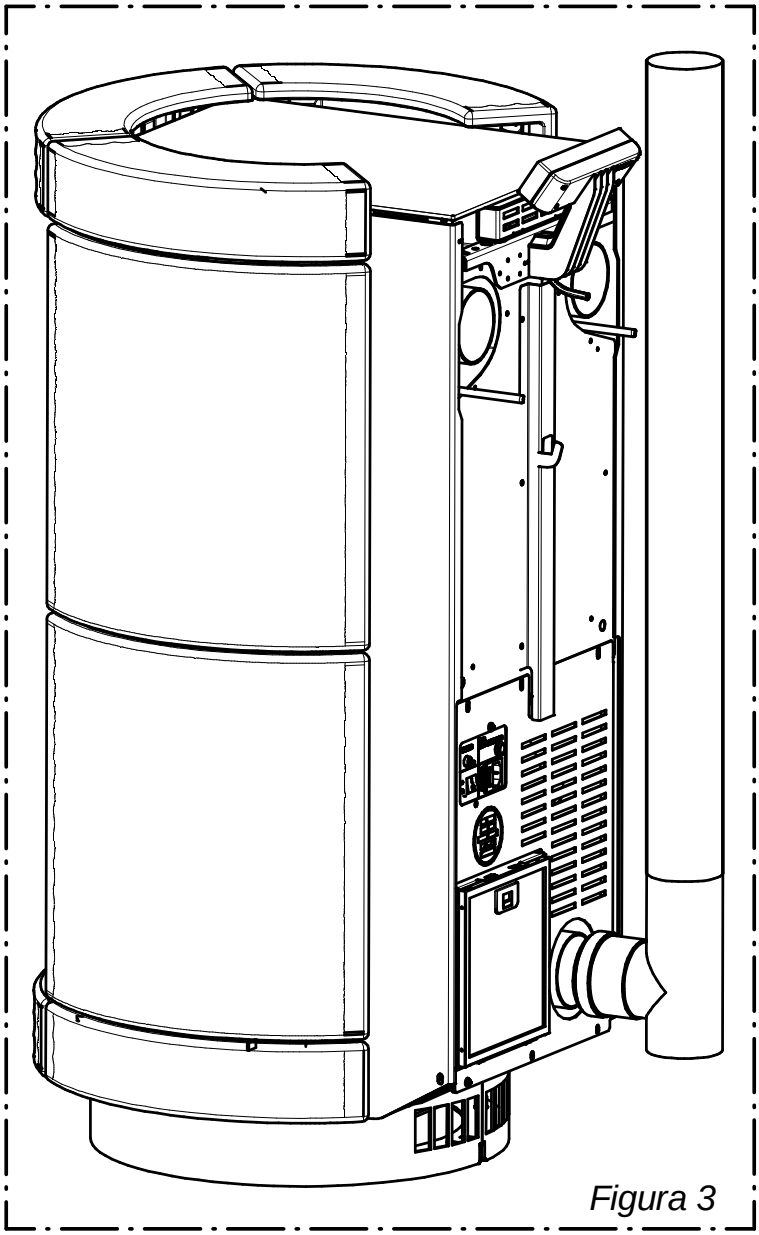
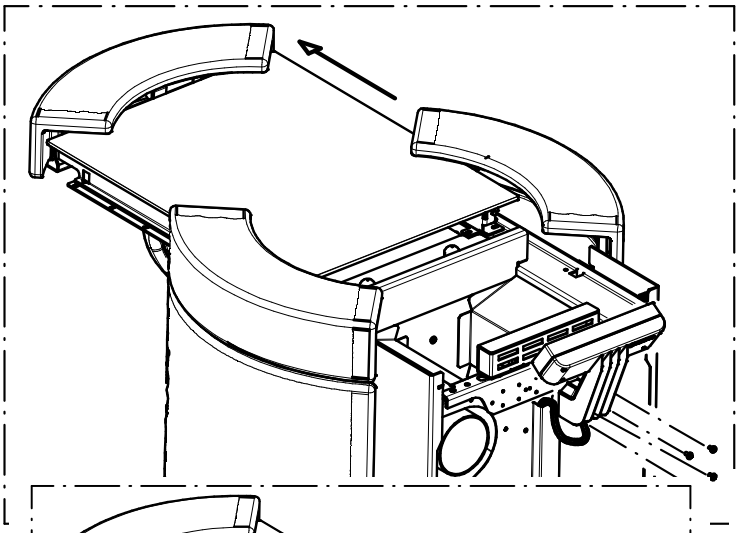


Figura 3



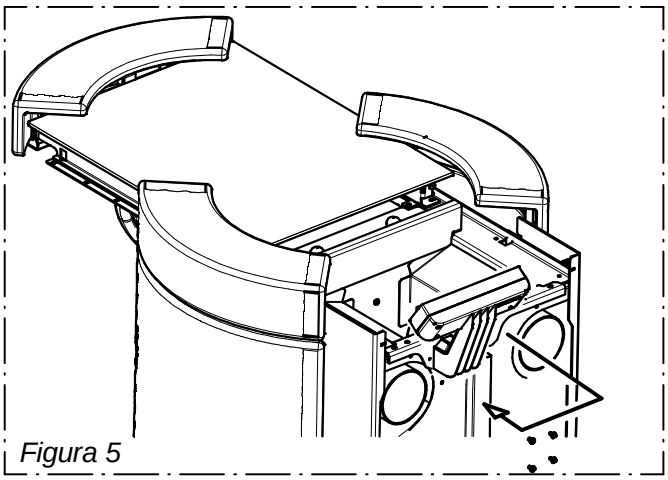


Figura 5

If there is not sufficient depth the size can be reduced to roughly 80 mm; follow the indications in figures 4, 5, 6, 7 and specifically:
- 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. It is strictly forbidden to use the LH side ducting.

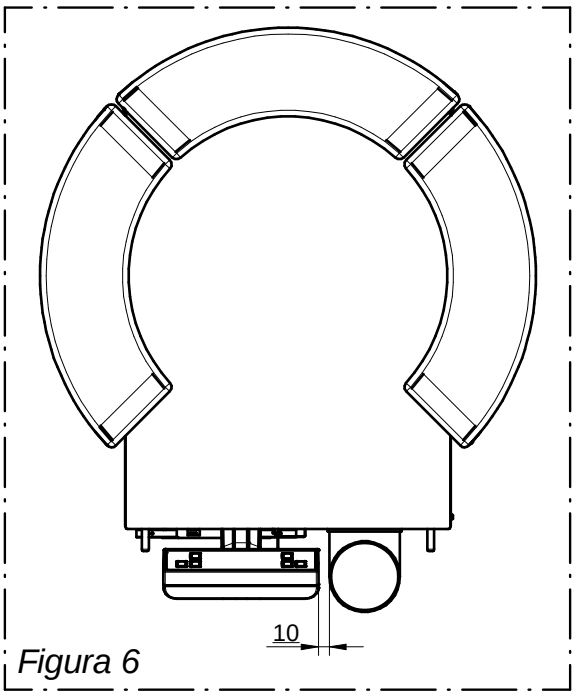


Figura 6

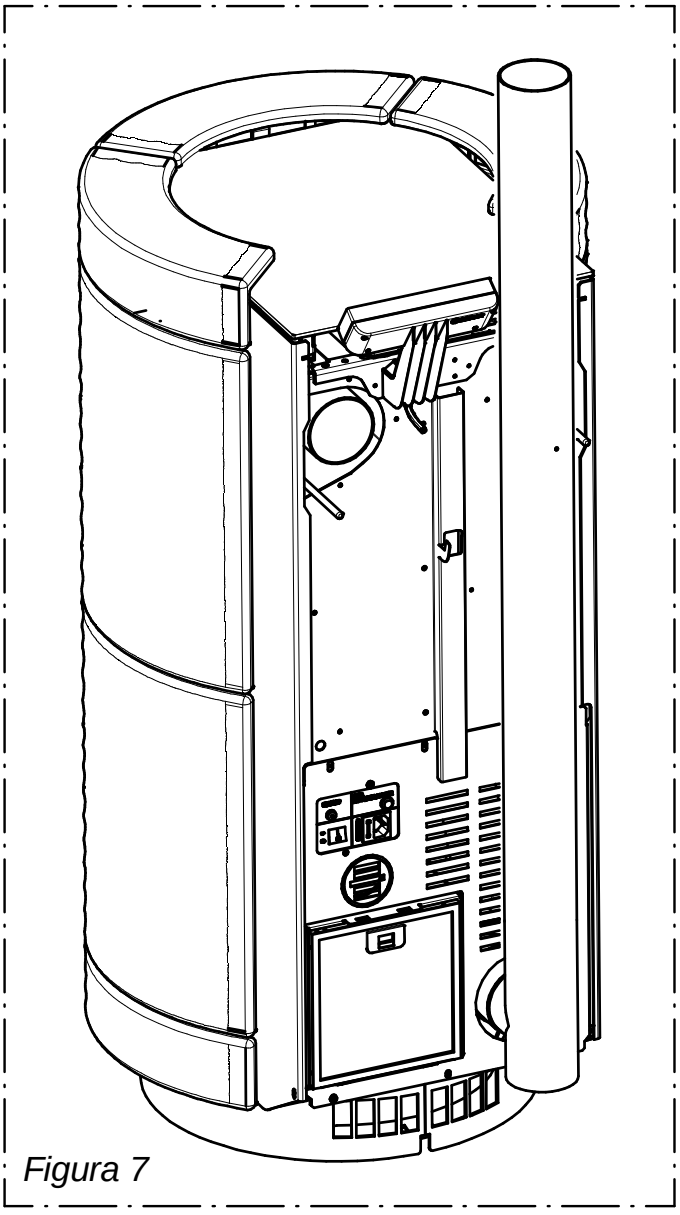


Figura 7

4.7 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).

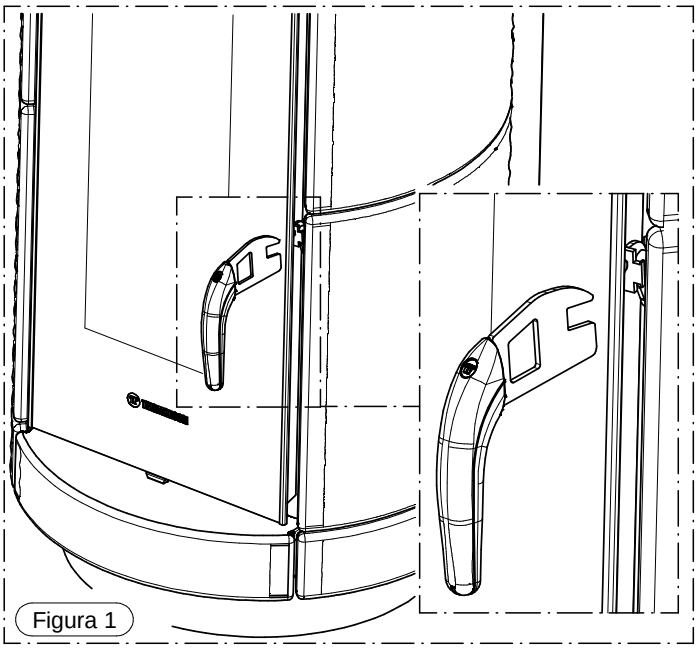


Figura 1

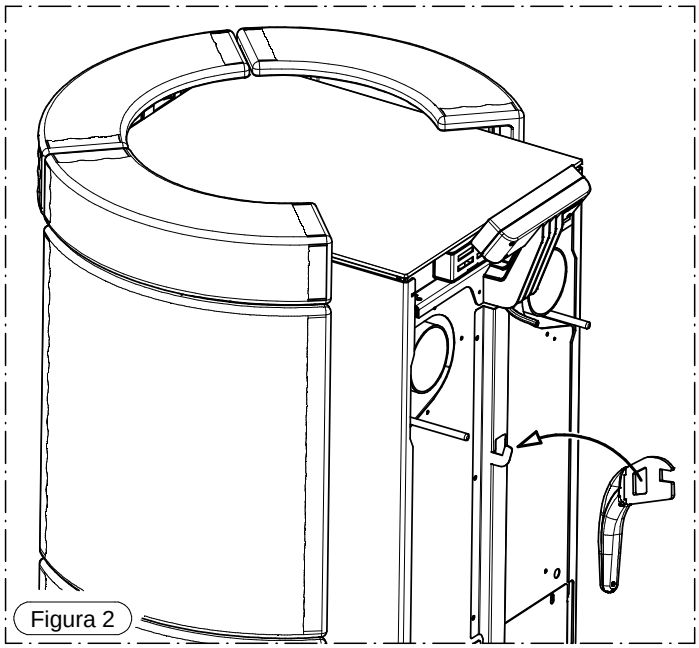


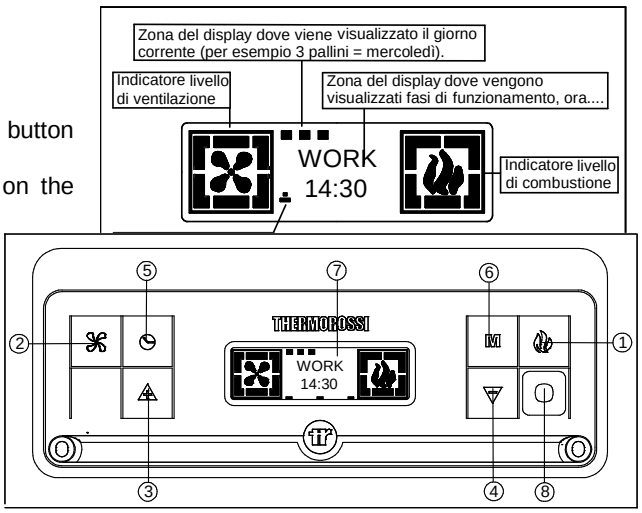
Figura 2

5 – DESCRIPTIONS OF CONTROLS

There are two main control pushbuttons marked with the ventilation symbol (2) and the symbol of the flame (1). The flame pushbutton (1) sets the power of the appliance with 5 levels available which are activated as the 5 bars light up in sequence on the display (7). The off cycle is activated when all power bars are turned off. The fan button (2) controls the ventilation of the appliance. It is activated when the smoke, detected by the smoke probe, reaches a temperature over 60°C.

The fan can be set to any of 6 speed levels displayed by the 6 bars progressively coming on on the display (7): when the appliance is on the ventilation cannot be switched off.

5.1 DESCRIPTION OF CONTROL PANEL AND REAR PANEL



5.1 DESCRIPTION OF THE CONTROL PANEL

All controls and indicators are presented here below :

(1) Appliance on/off and flame adjustment button When you press this button the appliance switches to **START/WORK/ OFF**

(appearing on the display 7). Press repeatedly to activate up to 5 bars on the display (7)

(2) Ventilation setting button Press this button to set the desired level of ventilation: up to a maximum of 6 speeds are available, indicated by the lighting of the corresponding bars in the display (7). One bar is always lit on the display even in OFF status.

(3) (4) Auxiliary setting buttons

Keys (3) and (4) are operating buttons necessary when on-off cycles are programmed, for operative levels, clock setting, etc..

(5) Programming Enable / Disable / Chrono Reset buttons

(6) "MENU" selection button To access the main menu press the button marked with 6. Press button 6 repeatedly to scroll the various windows: date, programming setting,...

(7) Display

(8) Infrared remote control sensor

LEGENDA

Zona del display dove viene visualizzato il giorno corrente (per esempio 3 pallini = mercoledì)

Zona del display dove vengono visualizzati fasi di funzionamento, ora,. . .
Indicatore livello di ventilazione
"Thermocomfort On" ovvero connesso
Indicatore livello di combustione
Riarmo
Spia motoriduttore

KEY

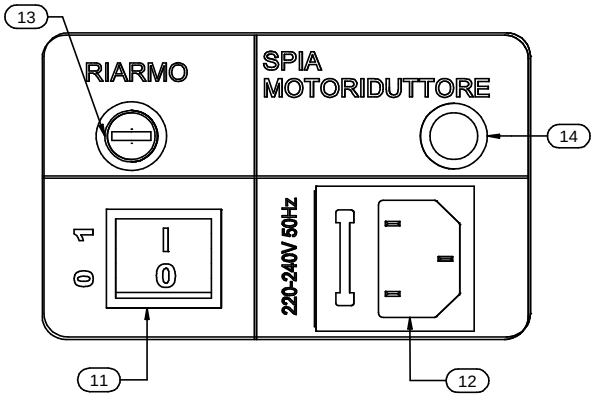
Display area in which the current day is displayed (for example, 3 dots = Wednesday)

Display area in which the operation steps are displayed, time...

Ventilation level indicator
"Thermocomfort On" i.e. connected
Combustion level indicator
Reset
Ratio motor led

5.1.2 APPLIANCE REAR PANEL

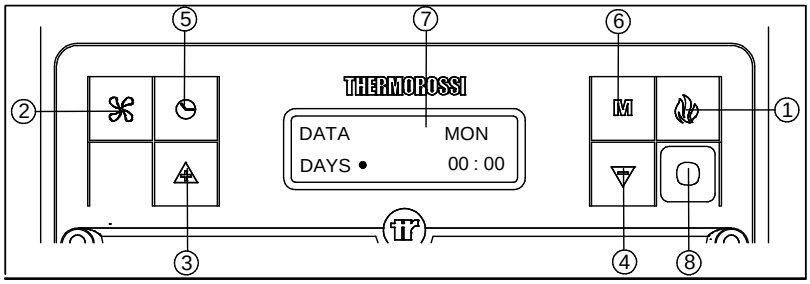
A description of the functions of the buttons and LEDs on the rear panel:
(11) Main switch 0-1
(12) Electrical power outlet 220-240V 50 Hz
(13) Overtemperature reset thermostat button cap



In the event of overtemperature this safety thermostat stops the loading of pellets. To restart the appliance you need to wait until it cools down, then verify the cause for the overheating, remove the cause, unscrew the protective cap and press the button (13).
(14) Feed motor test indicator light *When the pellet screw feeder is set in motion the light must come on.*

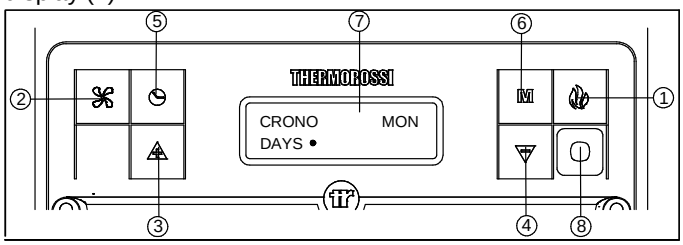
5.2 DAY AND TIME SETTING

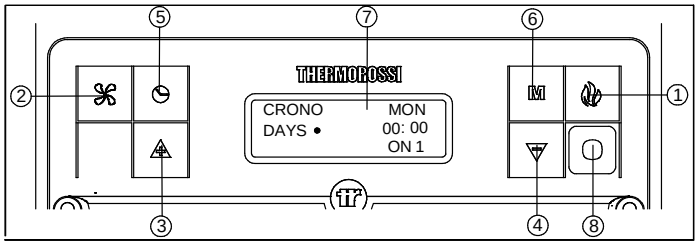
The appliance must be energised and the rear switch in position "1". The words **START** or **WORK** or **OFF** could be present on the display (7). To set the time and the day of the week carry out the procedures described below. Press button (6) once; the word **DATA** will appear on the display followed by the words illustrated in the figure on the left. To set the day press arrow button **(3)** and/or **(4)** repeatedly until the desired day appears: (MON and one dot for Monday -- TUE and two dots for Tuesday -- WED and 3 dots for Wednesday -- THU and 4 dots for Thursday -- FRI and 5 dots for Friday -- SAT and 6 dots for Saturday -- SUN and 7 dots for Sunday). Then confirm the day by pressing the key **(1)**. The 2 digits representing the hours will start flashing in the display: it is possible to select the present hour using the arrow keys **(3)** and/or **(4)**; the selection must be confirmed by pressing key **(1)**. The 2 digits indicating the minutes will start flashing: it is possible to select the present minutes using the arrow keys **(3)** and/or **(4)**, the selection must be confirmed by pressing the key **(1)**. The day and time setting is now completed.



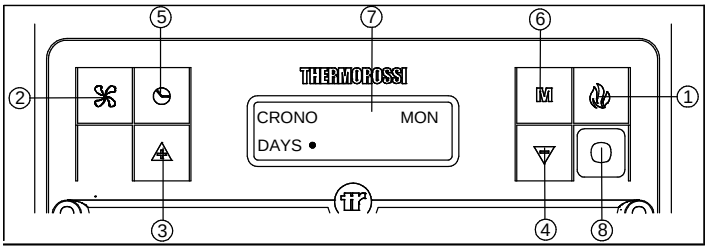
5.3 ON/OFF PROGRAMMING

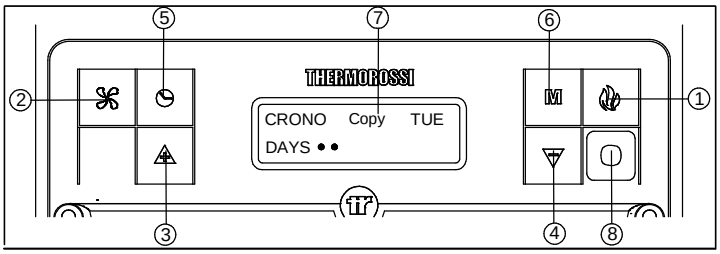
The generator must be energised and the rear switch in position "1". The words **START** or **WORK** or **OFF** could be present on the display (7).





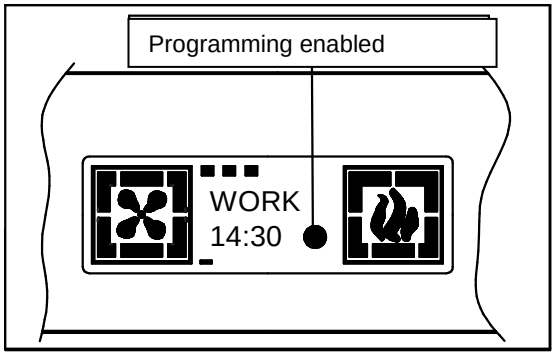
It is possible to carry out the weekly programming by setting up to 3 on/off cycles for each day from Monday to Sunday. To program the appliance press button **(6)** twice until the word **CRONO** appears followed by the words illustrated in the figure above on the left. Now you can begin programming the first day of the week - Monday - by pressing button **(1)**. Press the arrow button **(3)** and/or **(4)** to choose another day to be programmed, to confirm the selection press button **(1)** again. The words **ON1** will appear on the display followed by 2 blinking digits indicating the hours (figure above right). Press button **(3)** and/or **(4)** to enter the hour of the first cycle start time. To confirm the selection press the button **(1)**. The 2 digits indicating the minutes will start flashing. Press button **(3)** and/or **(4)**to enter the minutes of the first cycle start time. To confirm the selection press the button **(1)**. The first start up time for the selected day has now been set. Then the inscription **OFF1** will appear in the display and the two digits representing the hours will turn on. When the **(3)** and/or **(4)** button is pressed the hour of the first off-cycle is entered.
To confirm the selection press the button **(1)**. The 2 digits indicating the minutes will start flashing. By pressing the button **(3)** and/or **(4)** the minutes for the first off-cycle will be entered. To confirm the selection press the button **(1)**. This concludes the setting of the first on-off cycle for the selected day. Later, it is possible to set the second on-off cycle (e.g. Monday) (shown with the display of **ON2** and **OFF2**) and the third Monday's on-off cycle (shown with the display **ON3** and **OFF3**). Next the display appears as illustrated in the figure above on the left. Press the arrow button **(3)** and/or **(4)** to choose another day to be programmed, to confirm the selection press button **(1)** again.
If you wish to copy all the on-off programs, for example the Monday settings, to the other days of the week, proceed as follows: press button **(6)** until the word "CRONO" appears followed by the screen illustrated in the figure below on the left. Next press button **(2)** and the display appears as illustrated in the figure below on the right: the program for Monday has been copied to Tuesday. Press button **(2)** again to copy the program to Wednesday, Thursday ...
. In the programming menu if you wish, for example, to edit the programming for Sunday press button **(3)** and/or **(4)** to go to Sunday and then press button **(1)**. If the second on-off cycle is not required simply set the ON2 time as 00:00 and the OFF2 time as 00:00 .

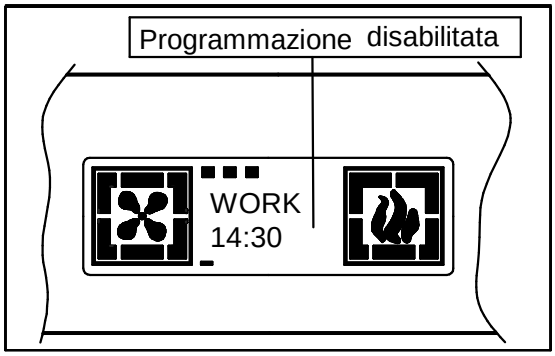




The programming procedure ends when you confirm the last data entered by pressing button **(6)** or when you exit the programming menu. During the **START**, **WORK** or **OFF** phases press button **(5)** to enable / disable the programming (Enabled = **CR.ON** appears momentarily on the display together with the fixed presence of the chrono symbol on the right of the display (see figure below). Disabled: message **CR.OFF** temporarily displayed and, at the same time, the chrono symbol on the right side of the display is not present (see figure below): this function is useful if you wish to disable the established weekly program setting. Moreover, you can reset, or delete, all the programmings by holding down (in **OFF** or **START** or **WORK** phase) button **(5)** for approximately 8 seconds; the word "RESET CRONO" appears momentarily in order to indicate deletion of all the programmings previously set. With the programming active, the operating conditions at the start-up (combustion power – ventilation speed) are the same as set-up before the last off-cycle of the appliance: this is the case if the off-cycle has been done through the programming and not through a manual action.
Manual shut down can only be carried out with the programming disabled. After shut down, by re-enabling the programming, at the next start up controlled by the programming the appliance will be set at the first combustion power position and first ventilation speed.

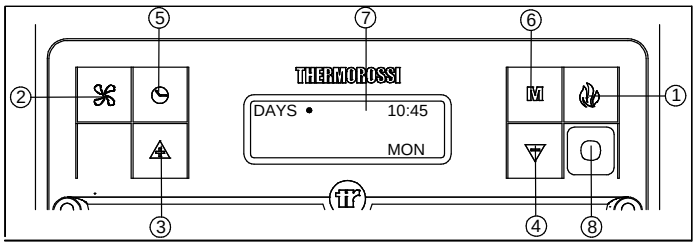
In the event of a programmed cycle on always ensure that the brazier is clean and seated correctly in its lodging: failure to clean the brazier can reduce and/or affect the life of the spark plug as it would be subjected to high temperatures due to poor cooling. When the programming is enabled (**CR.ON** appears momentarily together with the fixed presence of the chrono symbol on the bottom of the display) any additional chronothermostats (see para. 7.2) are disabled.

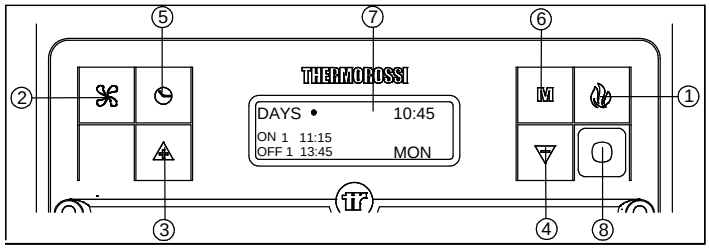




5.3.1 ON-OFF PROGRAMMING DISPLAY

To view the programmings press button (6) 5 times until the words "Show Chrono" appear.
After a few seconds the display appears as illustrated in the figure below on the left. Press button (3) repeatedly to scroll the programmings for all the days of the week (see figure below on the right):
press button (6) to exit.

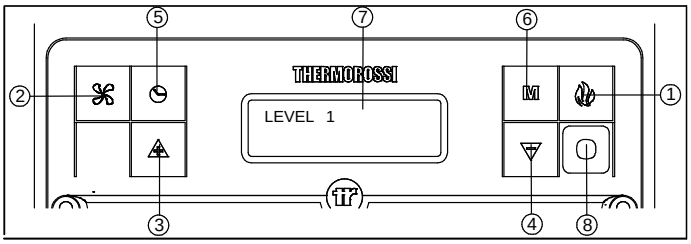




Caution: the on-off programmings cannot be modified from the "SHOW CRONO" menu, this menu is used only for viewing the programs that have been entered and/or edited through the "CRONO" menu.

5.4 OPERATING LEVEL SETTING

The appliance must be energised and the rear switch in position "1".
The words **START** or **WORK** or **OFF** could be present on the display (7).
Your appliance is delivered with an excellent program installed that favours combustion yield; the program is called

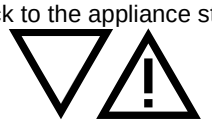


LEVEL 1. If you are using pellets with an out-of-standard incidence of residues after combustion in the brazier, alternative levels may be selected:

LEVEL 2: this program increases the smoke suction unit speed acceleration. (program Level 2 increases air delivery to the burner which promotes the combustion of tightly compacted pellets: this program reduces combustion efficiency).

LEVEL 0: when using too long pellets and/or flue outlets with very high vacuum, over 2 Pascal. When operating at LEVEL 0 the burner becomes dirty very easily. The pellet consumption value is not affected by the operating level settings. Select the required level by acting as follows:
press button (6) three times until the word LEVEL appears on the display after which the level set will appear (LEVEL 1 or LEVEL 2 or LEVEL 0). In order to change the operating level as key (3) is kept pressed, press the key (4). By holding down button (3) and pressing button (4) repeatedly the level changes in the following sequence: LEVEL 2 ... LEVEL 0 ... LEVEL 1.

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. For the entire procedure to be confirmed and to move back to the appliance status display, key (6) must be repeatedly pressed.



6 – USE OF THE APPLIANCE

Your appliance has obtained the CE marking and has been made to run for 1 hour to check that it functions correctly. It has also undergone numerous tests as detailed in the test check sheet supplied with the generator. 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 use make sure that the burner is clean and positioned correctly in its lodging, check that the ash pans are clean and shut tight and check that the firebox door is locked. WARNING: the door must always remain shut tight when the appliance 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 can reach extremely high temperatures: do not touch them! Do not expose your body to hot air for long, do not overheat the room in which the appliance is installed, as these actions could cause health problems. Do not expose plants or animals directly to the hot air flow as this could have noxious effects on them. It is strictly forbidden to use any type of fuel (liquid, solid...) to light the appliance:the appliance must light up automatically as designed and described in this installation, use and maintenance booklet; in this regard, it is strictly prohibited to pour pellets (or other material) directly 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.

6.1 SWITCHING ON THE APPLIANCE

Before using the appliance check that all the movable parts are in place; also remove any labels and stickers from the glass to avoid having permanent traces remain on the surfaces. Always ensure that the brazier is clean and seated correctly in its lodging (see para. 8).

Turn the switch installed on the back of the appliance to position "1" (= ON). Press button **(1)** to start the start up phase. When key **(1)** is repeatedly pressed, the desired combustion level can be set and it will be active at the end of the ignition stage. The electrical heater will start to overheat and 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. The first time the appliance is started up the start up phase will have to be carried out twice for this very reason.

CAUTION: The start up phase (the word **START** appearing on the display) continues until the word **START** remains lit. Once this phase has ended the word **WORK** appears on the display. The fan will begin operating as soon as the combustion smoke reaches a suitable temperature. During the work stage it is then possible to adjust combustion and the ventilation:

The combustion can be adjusted by 5 bars through button (1)), the ventilation setting can be set on 6 levels indicated by the sequential lighting up of the corresponding bars on the display (through button (2)).

To turn the appliance on it is necessary for the inscription **OFF** to be present on the display: if it is not present, the key **(6)** must be repeatedly pressed until the inscription **OFF** appears.

6.2 ADJUSTING COMBUSTION AND VENTILATION

The heating capacity is adjusted by pressing key **(1)** or on the remote control provided. Act on this command to adjust the quantity of pellets fed to the firebox. Maximum combustion power is achieved when all 5 leds are lit.

Caution: the room fan starts up as soon as the temperature of the combustion smoke reaches a suitable threshold. The fan setting is expressed visually by means of 6 different positions represented by 6 bars:press button (2) repeatedly to regulate it. A slight vibration of the appliance is quite normal when it is running. One bar is always present on the display even in OFF status.

6.3 INFRARED REMOTE CONTROL

A practical infrared remote control is supplied with the appliance: adjust the ventilation level by means of the left button, whereas use the right button to start the appliance, to adjust the power and combustion level and to switch off the appliance. If the appliance is supplied with a white radio control (optional) the infrared control only works when the **MANUAL** setting is set on the white handheld radio control.

6.4 OPERATION OF THE WHITE HANDHELD RADIO CONTROL THERMOCOMFORT (OPTIONAL)

INTRODUCTION

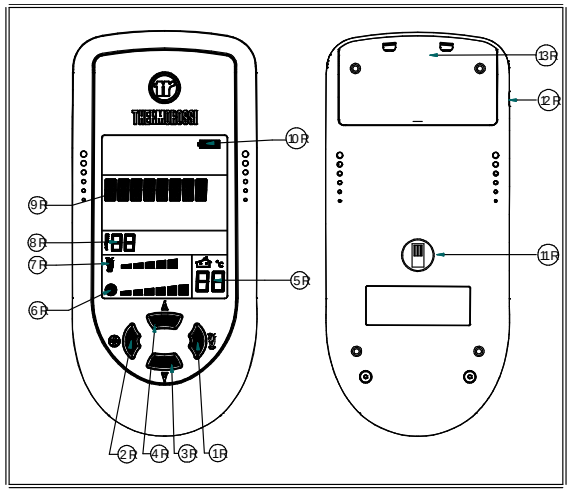
The thermocomfort handheld radio control is the instrument that allows you to optimise both consumption and functions. Keep in mind that radio wave transmissions can be affected by the surrounding environment: the presence of thick walls can reduce the transmission that normally extends to 6-7 metres.

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

The following operations must be carried out the first time the appliance is started up:
- Turn the switch (11R) to ON (see drawing below)
- Connect the radio control by means of the battery charger supplied to the power line (it must be recharged for at least 5 days), as the rechargeable batteries could be partially or completely flat. The appliance must be energised and the rear switch turned to position "1".

CAUTION: the Thermocomfort function is disabled when the remote control is OFF. To enable it, in the START, WORK, OFF phases, repeatedly press button (6) on the appliance's control panel until the word "THERMOCOMFORT" appears on the display (7) followed by the words Thermocomfort Off". To activate the Thermocomfort function simply press the button (3) on the appliance's control panel: " Thermocomfort On". To return to the original operating function simply press the button (6) again on the appliance's control panel. At the end of the winter season it is mandatory to recharge the batteries and switch off the radio control completely, by means of the switch situated inside the battery compartment, in order to preserve the life of the batteries. 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: variations caused by the environment in which the radio control is positioned and by the tolerance of the thermostat.

6.4.1 INDICATORS OF THE HANDHELD RADIO CONTROL



(1R) Flame selection button
(2R) Ventilation selection button
(3R) (4R) Auxiliary buttons
(5R) “Room temperature detected by the radio control's sensor” indicator
(6R) “Ventilation” indicator
(7R) “Combustion” indicator
(8R) “Room temperature setting” indicator: this is the room temperature that you wish to reach by means of buttons 3R and 4R.
(9R) Area of the display where the operating program is displayed.
(10R) Battery charge level
(11R) Switch 0-1 radio control power
(12R) Battery charger connection
(13R) Code selector and batteries compartment cover

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

- **Manual** (**MANUAL** appears in area (9R) of the display).
- **Automatic 5** (**AUTO 5** appears in area (9R) of the display).
- **Automatic 3** (**AUTO 3** appears in area (9R) of the display) .

- **Economy** (**ECONOMY** appears in area (9R) of the display). To change the operating program turn the switch (11R) to "1". Press and hold down button (3R) until the set program begins to blink on the display (9R). Now release button (3R) and press button (3R) and/or (4R) repeatedly until you select the desired operating program.

MANUAL program (the "Thermocomfort ON" symbol blinks on the display of the appliance)In the MANUAL program the room temperature thermostat is disabled. Press button (1R) and the flame symbol blinks. Press button (3R) to reduce the combustion level as signalled by the power bars lighting up in sequence, vice versa press button (4R) to increase the combustion level.
The combustion level changes every time buttons (3R) and (4R) are pressed. Press button (2R) and the ventilation symbol blinks. Press button (3R) to decrease the combustion level, vice versa press button (4R) to increase the combustion level. The ventilation level changes every time buttons (3R) and (4R) are pressed. Caution: it is possible that, due to radio interference or sending commands too close together, the changes will not be implemented. When using this program the infrared remote control can also be used. 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 (the "Thermocomfort ON" symbol is steady on the display of the appliance) In program AUTO 5 the room temperature thermostat is enabled. The remote control adjusts the ventilation and combustion automatically in relation to the target room temperature set in display area (8R). The desired room temperature is displayed in area (8R). You can vary the desired room temperature by simply pressing button (3R) and/or (4R) (variation indicated in area (8R)). The remote control will set the maximum combustion and ventilation levels and modulate them both as the room temperature (5R) approaches the target temperature (8R). When the target temperature (8R) in the room (5R) is reached, the combustion level will stabilise on a bar as will the ventilation level. 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. 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.

AUTO 3 program (the "Thermocomfort ON" symbol is steady on the display of the appliance) In program AUTO 3 the room temperature thermostat is enabled. The remote control adjusts the ventilation and combustion automatically in relation to the target room temperature set in display area (8R). The desired room temperature is displayed in area (8R).
You can vary the desired room temperature by simply pressing button (3R) and/or (4R) (variation indicated in area (8R)). The remote control will set the combustion power at level 3 and the ventilation at level 4 and modulate them both as the room temperature (5R) approaches the target temperature (8R). When the target temperature (8R) in the room (5R) is reached, the combustion level will stabilise on a bar as will the ventilation level. 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 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 (the "Thermocomfort On" symbol is steady on the display of the appliance) In the ECONOMY program the appliance always operates at the minimum combustion level and the minimum ventilation level. When using this program the infrared remote control cannot be used.

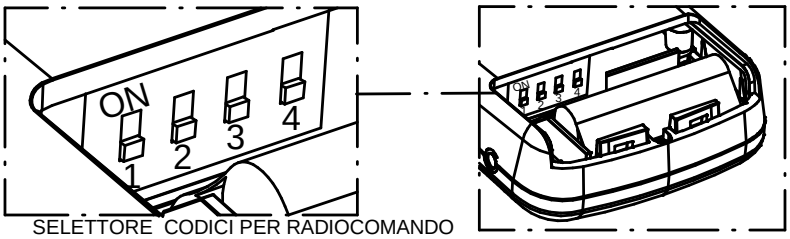
CAUTION: THE APPLIANCE MUST ALWAYS BE STARTED UP AND SHUT DOWN FROM THE CONTROL PANEL OR THROUGH PROGRAMMING.

6.4.2 TRANSMISSION CODES SETTINGS.

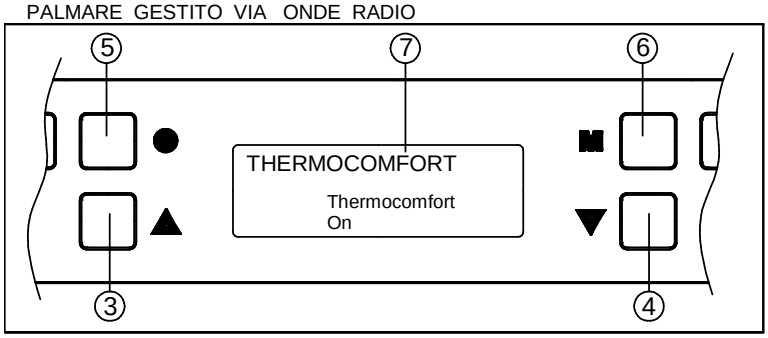
The appliance must be energised and the rear switch in position "1". The words **START** or **WORK** or **OFF** could be present on the display (7).

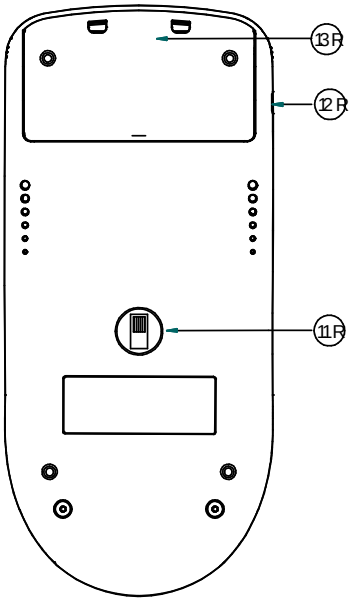
If there are several appliances installed in rooms closely to each other it may be necessary to set different transmission codes as this type of interference deactivates operation of the optional Thermocomfort radio control. To change the transmission codes proceed as follows:
-Disable the Thermocomfort function. To disable it, in the START, WORK, OFF phases, repeatedly press button (6) on the appliance's control panel until the word "THERMOCOMFORT" appears on the display (7) followed by the words "Thermocomfort On". To deactivate the Thermocomfort function simply press the button (3): "Thermocomfort Off". To return to the original operating function simply press the button (6) again.
-Switch off the Thermocomfort radio control by pressing the button (11R) on the device.
-To change the transmission codes, open the cover (13R) and act as indicated in the figure below.
-Next switch on the radio control by pressing the button (11R).

-Activate the Thermocomfort function. To enable it, in the START, WORK, OFF phases, repeatedly press button (6) on the appliance's control panel until the word "THERMOCOMFORT" appears on the display (7) followed by the words Thermocomfort Off". To activate the Thermocomfort function simply press the button (3): "Thermocomfort On". To return to the original operating function simply press the button (6) again. The radio control may still not function even after having changed the transmission codes. If this occurs change the codes once again using the procedure described above.



SELETTORE CODICI PER RADIOCOMANDO PALMARE GESTITO VIA ONDE RADIO





LEGENDA

Selettore codici per radiocomando palmare gestito via onde radio

KEY

Code selector for handheld radio control controlled by radio waves

6.4.3 CARE AND MAINTENANCE OF THE RADIO CONTROL

The radio control has been designed and produced 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:

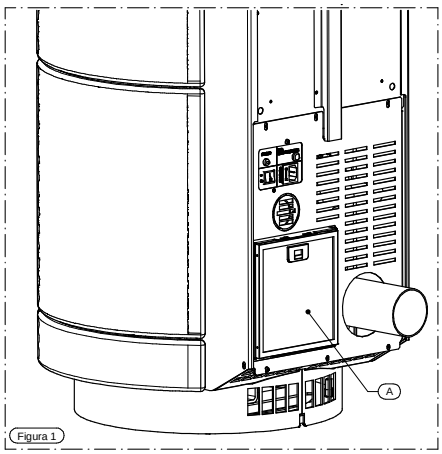
-Protect the radio control against humidity! Precipitation, humidity and liquids corrode the electronic circuits. If the radio control is wet, disconnect it immediately from a power source, remove the battery, open it and allow it to dry at room temperature.

-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 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 equally 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. The presence of irregular black-blue lines on the display (also present when de-energised and 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.

6.5 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).

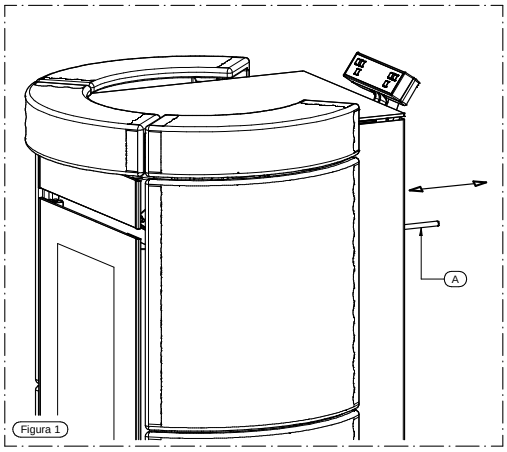


Figura 1

6.6 CHANNELLING (DORICA PLUS ONLY)

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

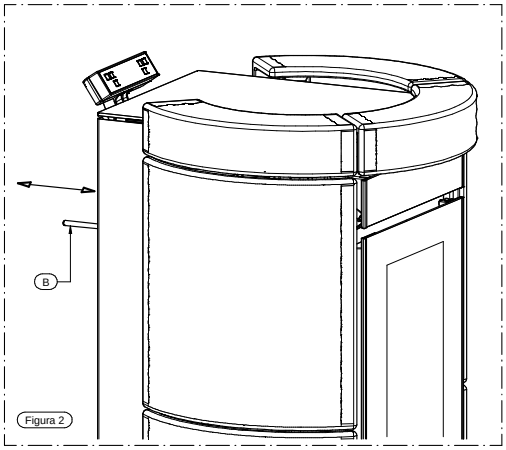


Figura 2

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.

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

The control panel ensures that your appliance is provided with all the required programming and temperature adjustment functions: 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 directly to terminal bock CN7 on the board as illustrated in Figure 1.
---> for the additional chronothermostat – modem connect terminals 9-10 directly to terminal bock CN7 on the board as illustrated in Figure 1.

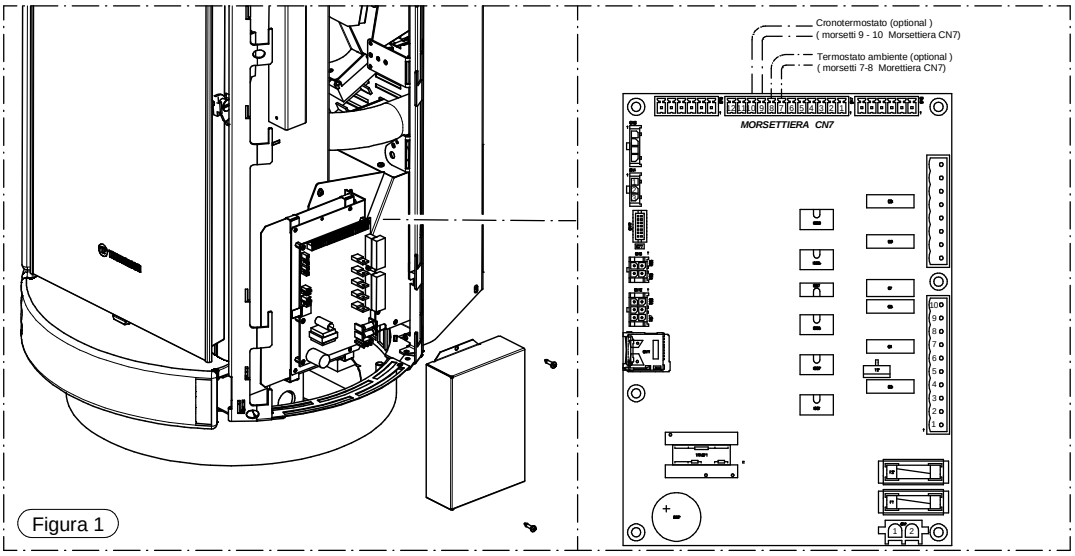


Figura 1

Contacts are defined as "CLEAN" contacts and they must never be fed with 220 V. 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.

LEGENDA
Cronotermostato (optional)
(morsetti 9-10 Morsettiera CN7)
Termostato ambiente (optional)
(morsetti 7-8 Morsettiera CN7)

KEY
Chronothermostat (optional)
(terminals 9-10 Terminal block CN7)
Room thermostat (optional)
(terminals 7-8 Terminal block CN7)

7.1 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 fan 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 appliance 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. In this position the appliance can be started up automatically via the programming.

CAUTION: Use N.O. (normally open) contacts for the connection to the additional room temperature thermostat.
The thermostat must have a thermal hysteresis that is not less than 2°C.

7.2 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 cycles without setting the desired target temperature or set it at the highest possible value for the chronothermostat.
At the end of the preset time the contact 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.
It is mandatory to deactivate the “Crono” symbol on the display (see para. 5.3) if an external chronothermostat is used.

CAUTION: 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.
CAUTION: Use N.O. (normally open) contacts for the connection to the chronothermostat.
CAUTION: In the event of connections to the chronothermostat Thermorossi shall not be held responsible for the appliance not starting up, smoke leaks, 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.

8 - CLEANING AND MAINTENANCE

8.1 FOREWORD

Before commencing any operation disconnect the appliance 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 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 necessary to accurately follow the directions given below: otherwise severe damages may occur for the product, the installation, objects and the people who use 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.

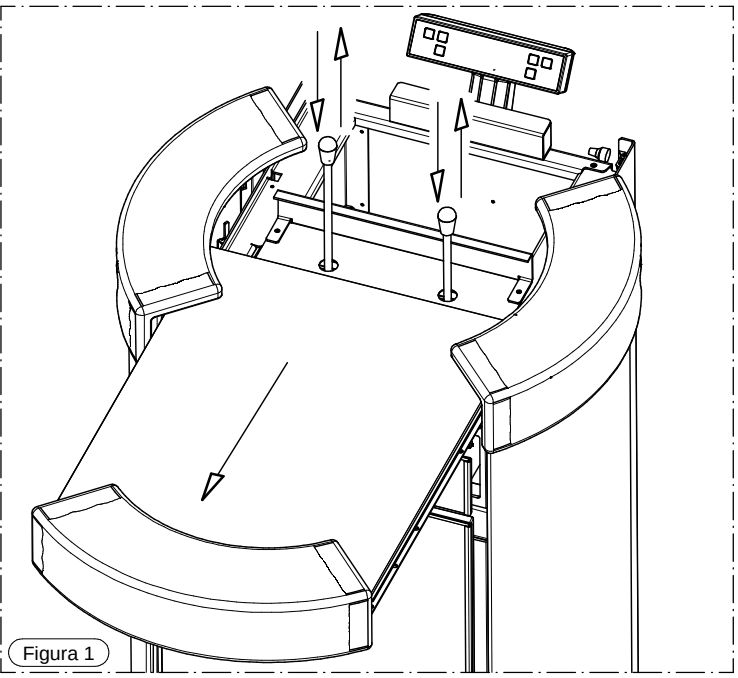


Figura 1

8.2 CLEANING AND MAINTAINING THE APPLIANCE

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

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. 4.5). (Figure 2A shows a clean brazier) CAUTION: make sure, before every start up, that the brazier is clean and if necessary also thoroughly clean the burner with a suction unit. To guarantee correct operation of the appliance, carefully clean the area around the spark plug:this will guarantee the 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 and 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 vents identified as "A1"

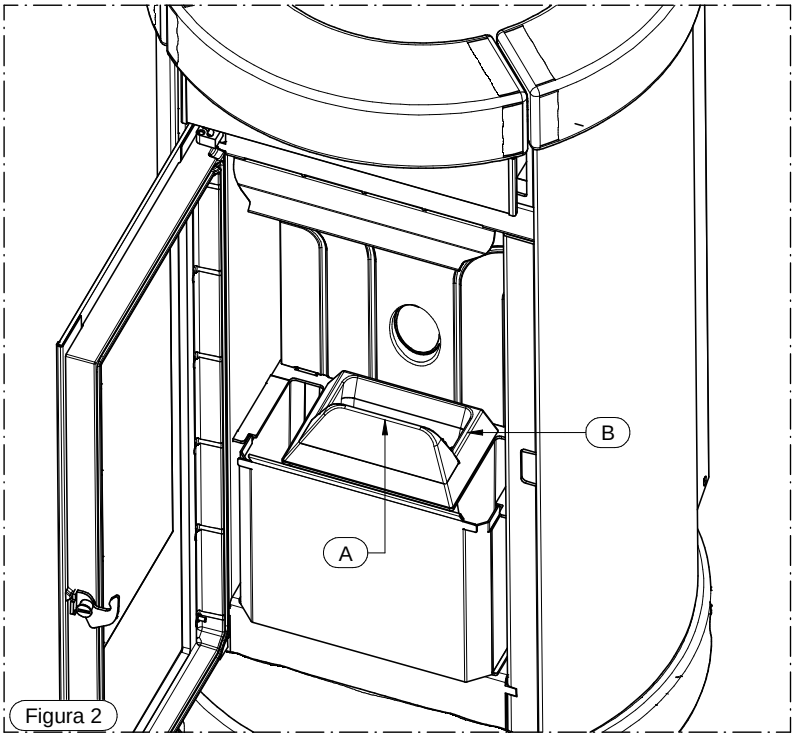


Figura 2

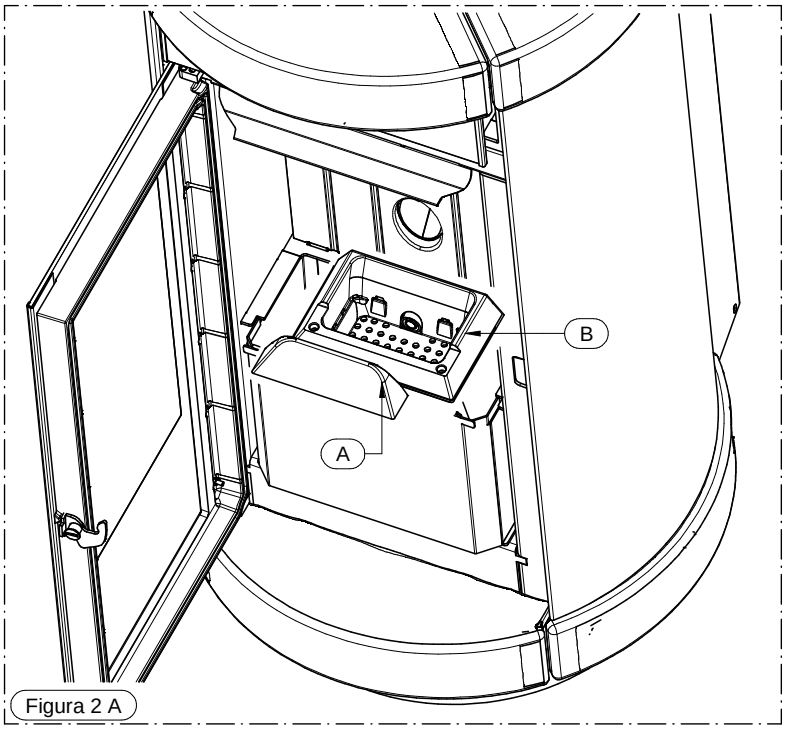


Figura 2 A

(figure 5). To access the vents open the door, remove the ash pan and lift up the cover.
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 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 - deviator blade is installed correctly in the brazier as shown in figure 5A. 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. CAUTION: a daily deposit of soot and combustion residues on the glass is quite normal.
It is normal for the ash to fall to the floor when the door is opened. CAUTION: after cleaning it is mandatory to carefully check that the combustion chamber door is firmly closed and airtight. CAUTION: 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. CAUTION: 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.

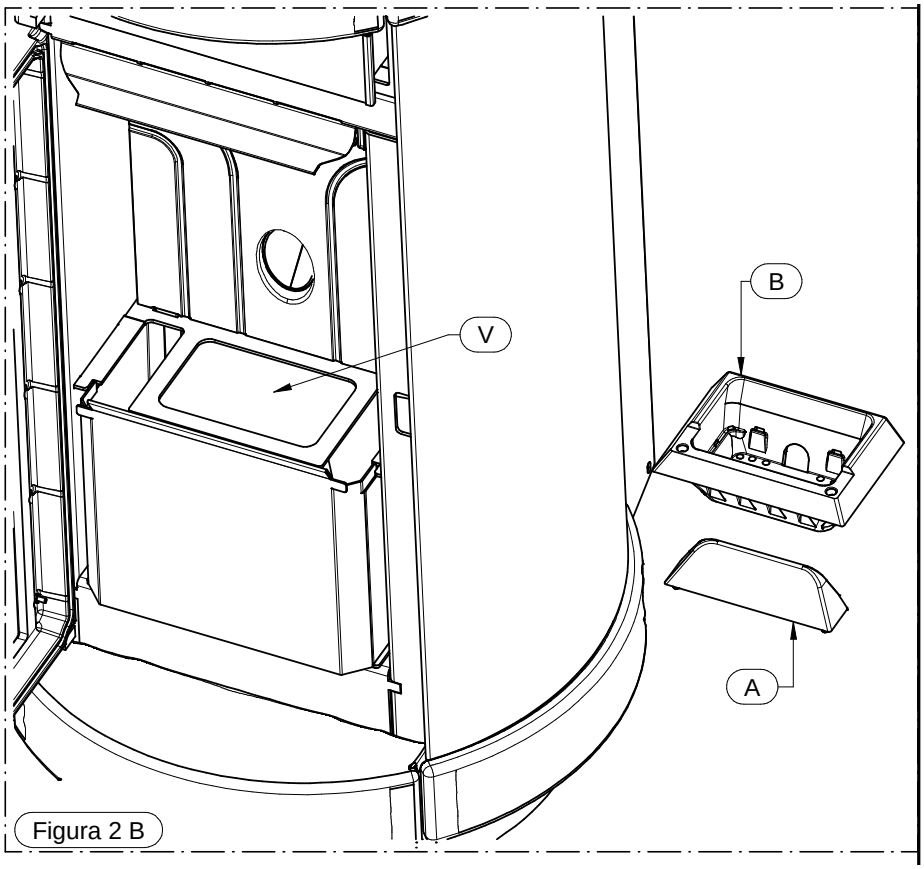


Figura 2 B

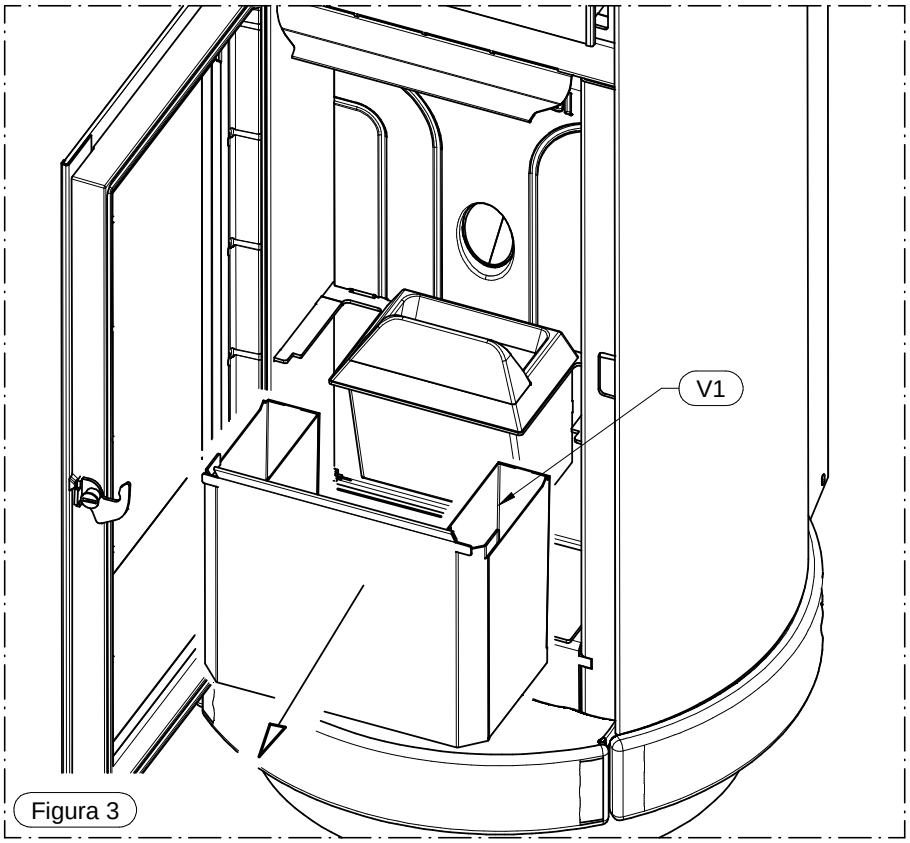


Figura 3

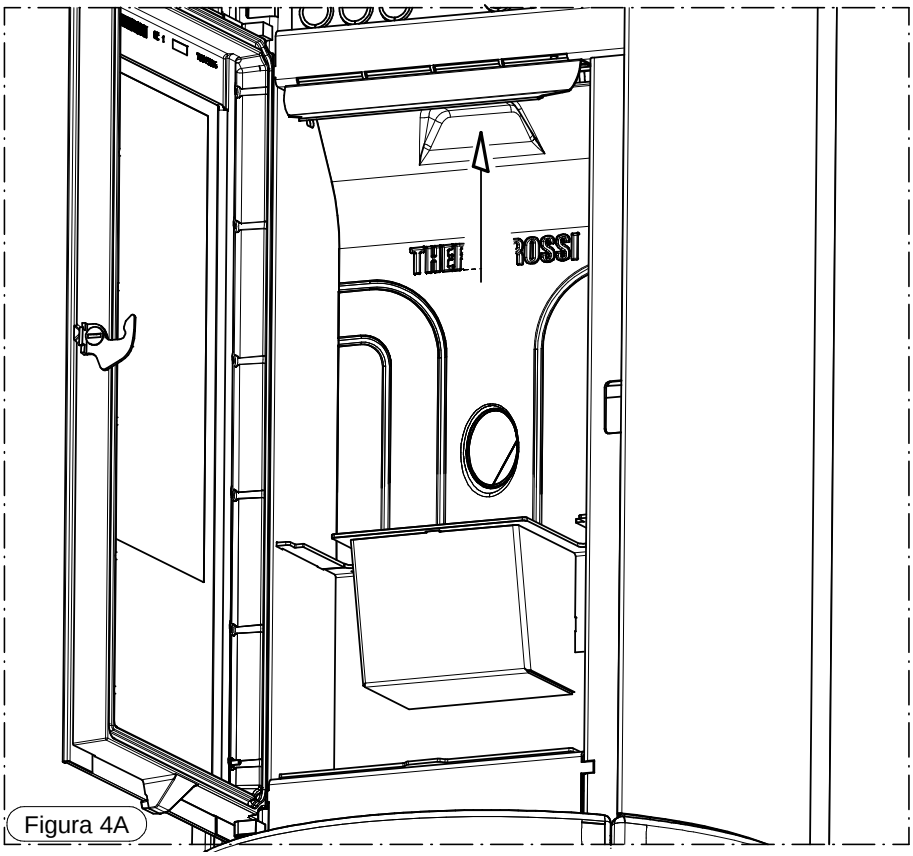


Figura 4A

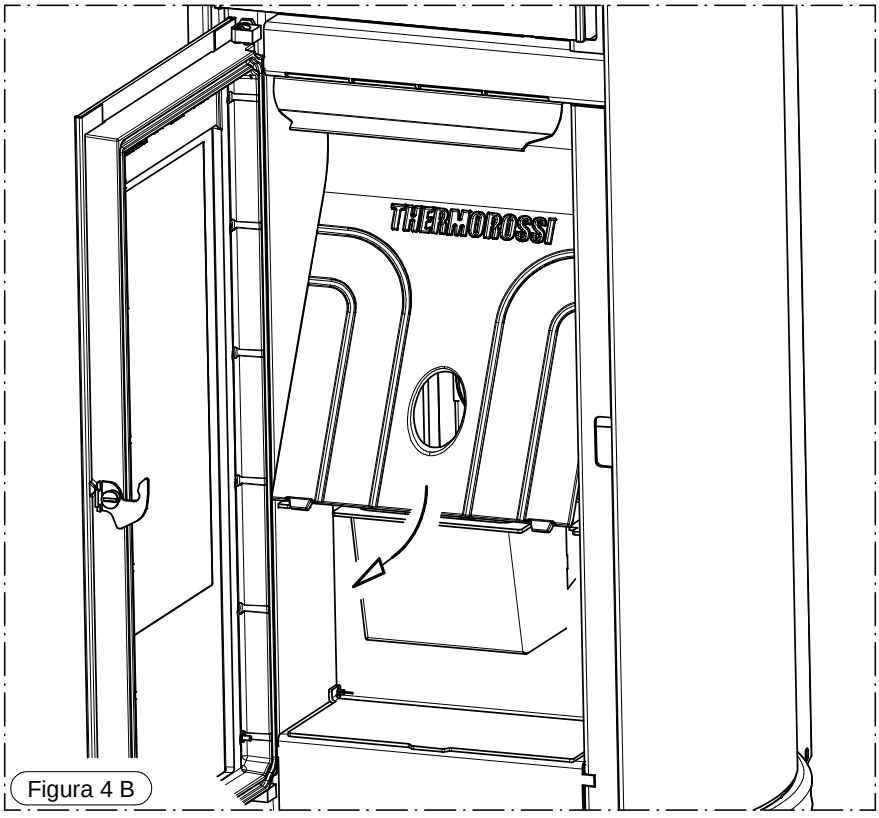


Figura 4 B

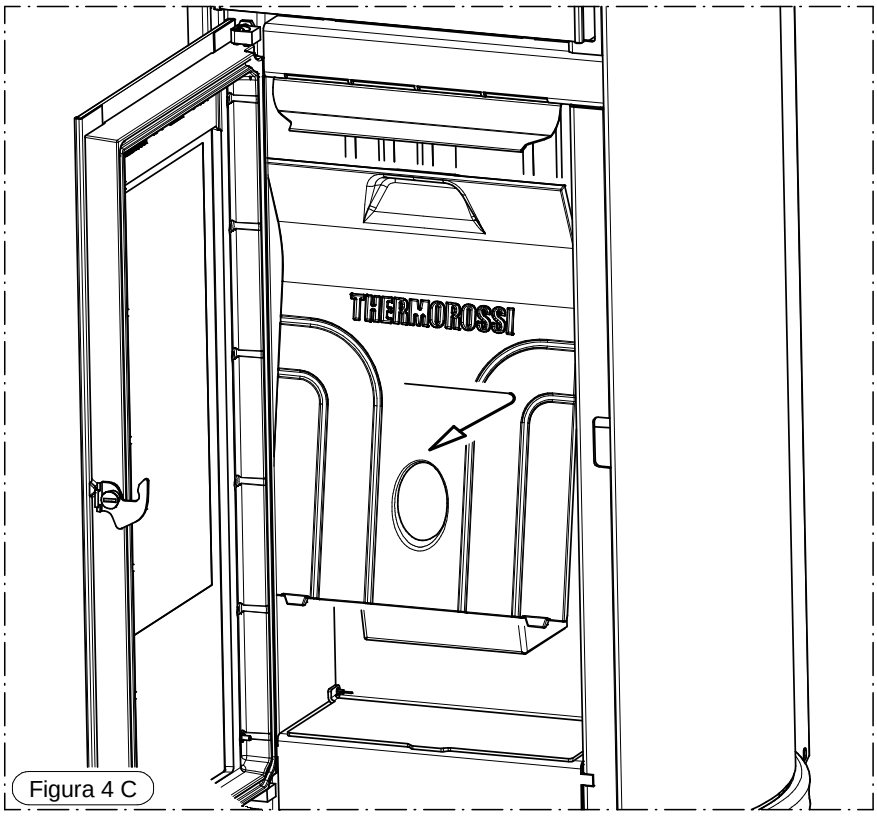


Figura 4 C

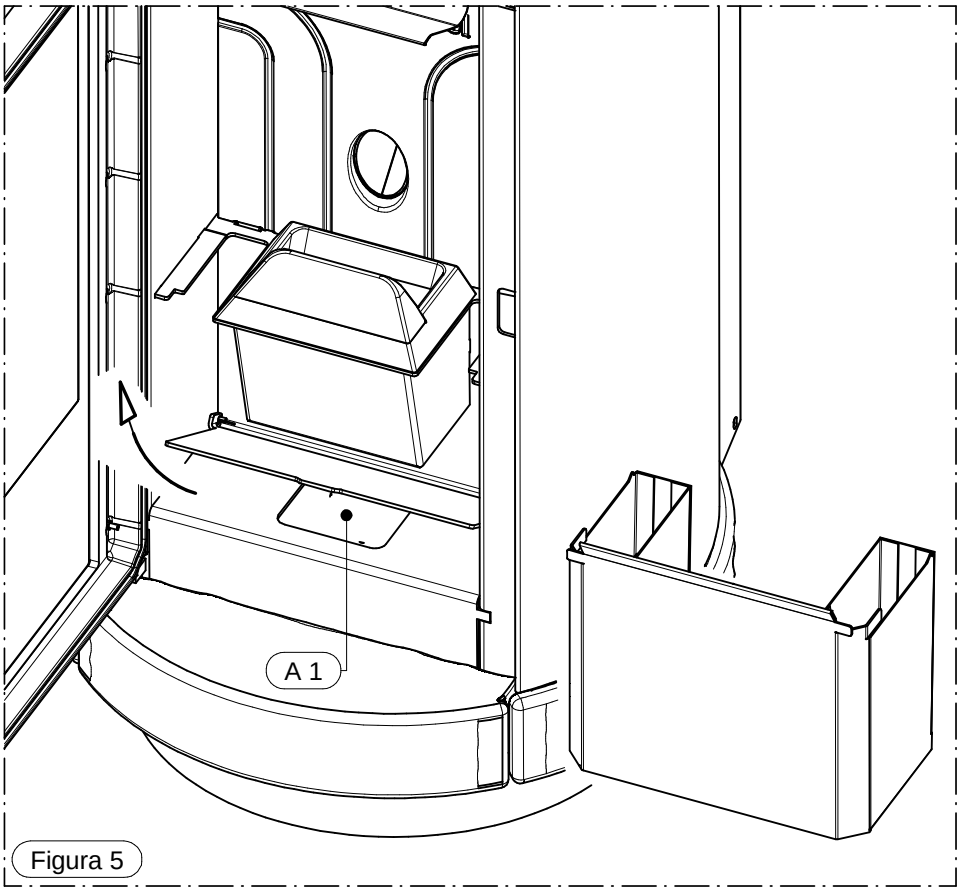


Figura 5

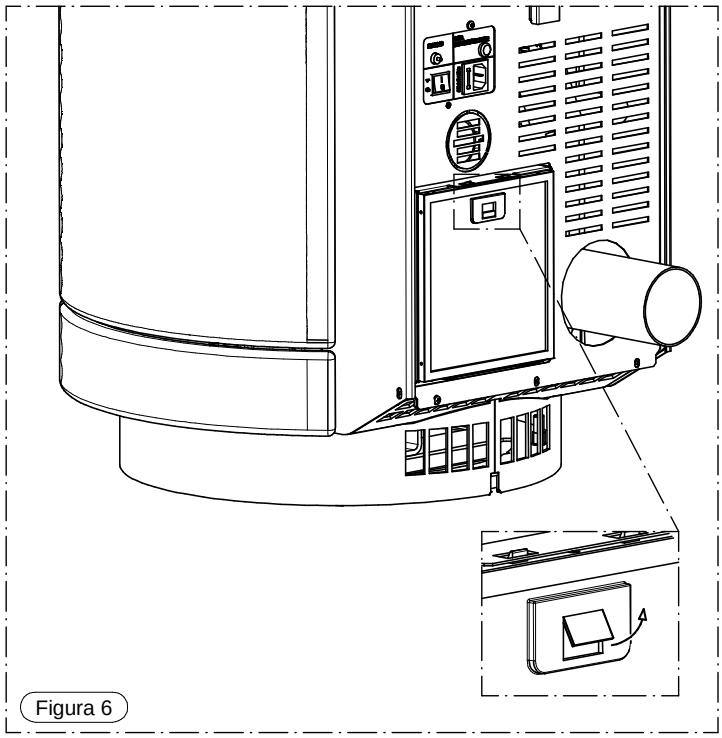
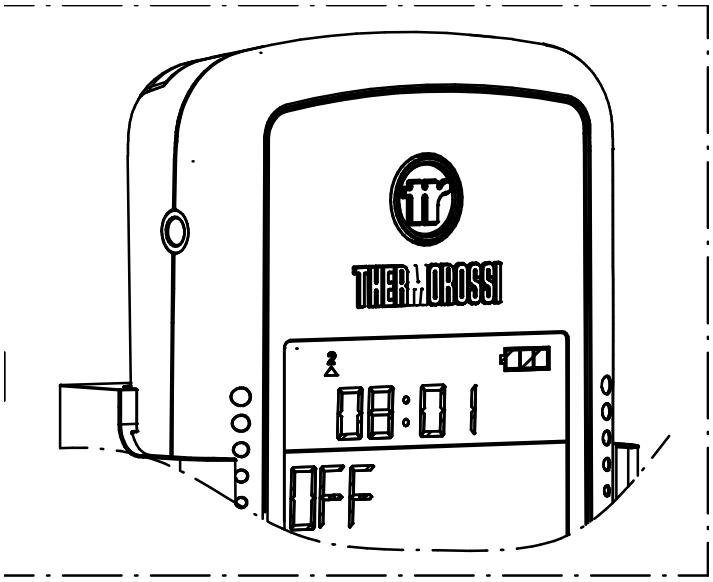


Figura 6

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



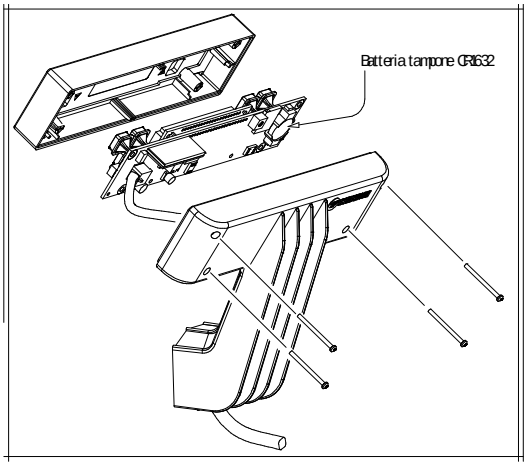
As soon as the battery symbol on the display begins to blink, as shown in the drawing, the battery needs to be charged. While it is being charged and consequently while it is connected to the electrical power mains the battery symbol blinks continuously even when the batteries of the radio control are 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-240 V 50/60 Hz 0.3/A OUTPUT 5.5 V 750 but 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 5 days: 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. If the radio control is not used for more than one week it is mandatory to switch it off completely in order to preserve the life of the batteries. Turn the switch located in the battery compartment to 1, that is, OFF.
The batteries are guaranteed for 6 months.

Caution: Use only the battery charger provided by Thermorossi. 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.

8.4 BATTERY REPLACEMENT FOR INFRARED REMOTE 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.

8.5 REPLACING THE BUFFER BATTERY OF THE CONTROL PANEL



Inside the control panel there is a buffer battery type CR 16 32 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.

LEGENDA	KEY
Batteria tampone CR1632	Buffer battery CR1632

9 – SMOKE DISCHARGE TUBE AND VENTILATION OF THE ROOMS

9.1 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 smoke outlet must be fitted in compliance with standard UNI 7129/92, UNI 10683 and EN 14785 and it must observe the reference values laid down in the standard, in particular, the outlet must comply with fire prevention regulations (therefore it must be able to withstand the action of a fire: in case of fire call the fire brigade 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 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.*

9.2 ROOM VENTILATION

CAUTION: 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.

CAUTION: 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 (paragraph 9.2.1).
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 adjacent 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 adjacent 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 adjacent 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 adjacent 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.

9.2.1 SINGLE OR MULTIPLE VENTILATION DUCTING
If the combustion air is supplied through pipes, the available draught, produced by the installed appliance in use and by the corresponding combustion product evacuation system, must be greater than the sum of the resistance offered by the pipes (frictional resistance, resistance due to direction changes, cross-sectional restrictions, etc...).
The single ventilation pipes can be vertically and horizontally oriented: the length of the horizontal sections must be reduced to a minimum.
The connectors between pipes with different orientations must not have any reduced cross-sections with sharp bends.
The angle of connection between the axes of two successive pipes must not be less than 90°.
For combustion air supplied through branched pipes, the sum of the resistance offered by the pipes (frictional resistance, resistance due to direction changes, cross-sectional restrictions, etc....) can be a maximum of 10% of the available draught, produced by the various appliances in use installed on the various floors and by the combustion product evacuation system.
The branched ventilation pipes must be vertically-oriented with an uphill run.
The inlet vent to the room to be ventilated must be located down low and in a position where it does not interfere with the discharge of combustion products and must be protected by a grill or similar device.

9.3 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, heaters 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.

9.3.1 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;

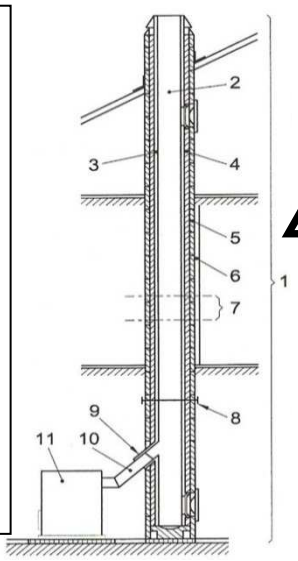
• Composite chimney: Chimney installed or constructed on site using a combination of compatible components such as flue liner (wall directly in contact with the smoke), and possibly also insulation and outer casing (wall) that may be supplied by different manufacturers or by the same manufacturer.

• 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.

9.3.2 FLUE OUTLET / FLUE SYSTEM COMPONENTS

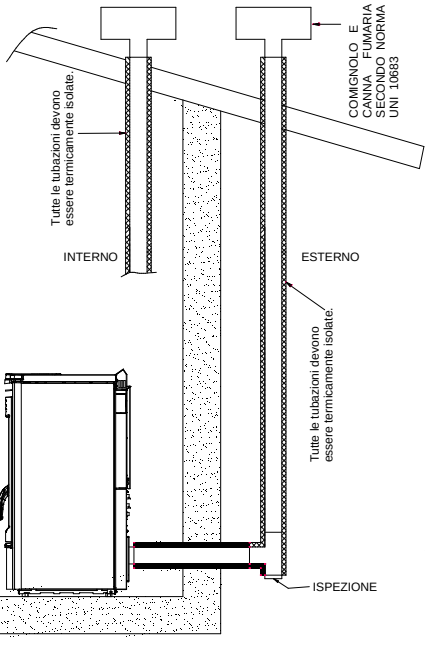
Components and accessories of a chimney

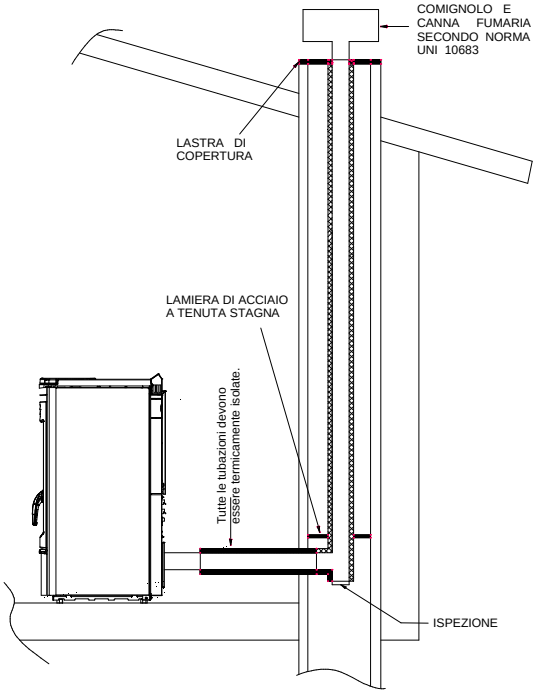
KEY
1 Chimney
2 Flow path
3 Smoke discharge tube
4 Thermal insulation
5 External wall
6 Outer lining
7 Flue outlet section
8 Multiwall chimney
9 Connector
10 Flue pipe
11 Heat generator



Every chimney must have minimum number of components as laid down by standard UNI EN 1443 which are also indicated in the figure on the left:

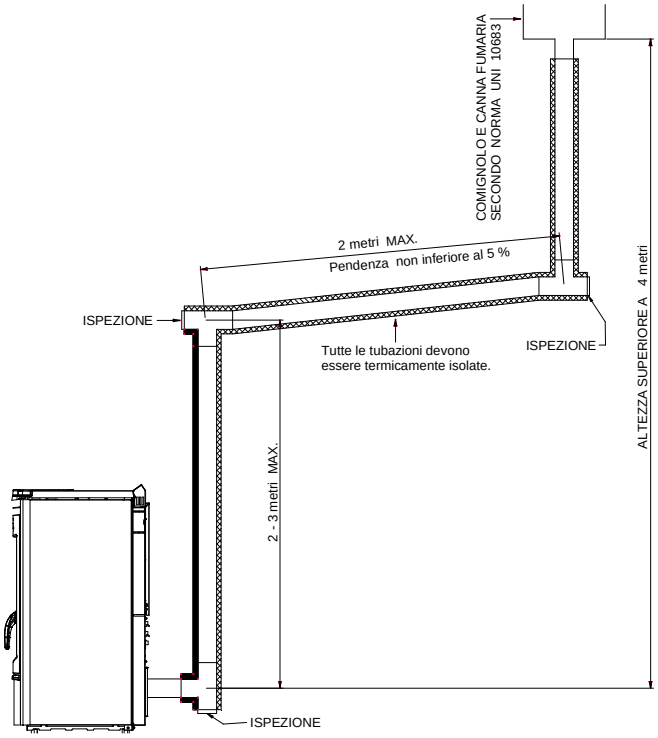
wall outlets, that is outlets installed on the outer front wall without the use of a chimney/flue outlet /flue pipe to convey the combustion products to the roof, are strictly prohibited.





9.3.3 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. A minimum drop of 1.5 metres is required between the T terminal on the outside of the building and the outlet at the back of the appliance, to ensure that residual combustion smoke is discharged in the case described above (otherwise the residues would stagnate inside the firebox and exhaust into the environment with added the possibility of explosions). 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 with a diameter not exceeding 150mm. 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 operates with the pressure in the combustion chamber lower than atmospheric pressure, whereas the discharge of smoke to the chimney is slightly pressured, consequently the discharge system must be hermetically sealed. The smoke discharge tube must be made from suitable materials such as for example:

LEGENDA	KEY
COMIGNOLO E CANNA FUMARIA SECONDO NORMA UNI 10683	CHIMNEY CAP AND FLUE OUTLET ACCORDING TO UNI 10683 STANDARD
2 metri MAX.	2 metres MAX.
Pendenza non inferiore al 5%	Minimum slope 5%
Ispezione	INSPECTION
Tutte le tubazioni devono essere termicamente isolate	All the pipes must be thermally insulated
ALTEZZA SUPERIORE A 4metri	HEIGHT MORE THAN 4m
2-3 metri MAX	2-3 metres MAX.
ISPEZIONE	INSPECTION
INTERNO – ESTERNO	INNER - OUTER

porcelain-coated steel tubes, and the various fittings sealed with red silicone (resistant to 350℃). The outer casing of the tube must be made with insulating material (mineral wool, ceramic fiber) or use pre-insulated tubing.
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.
CAUTION: 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.

10 – ALARMS

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

AL PE: is communicated when the temperature during the WORK mode drops below the fixed threshold:
this indicates that the appliance is switching off due to lack of pellets. To reset the alarm simply press the flame button (1): 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.

AL AC: 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 (1):
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.

AL OP: 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 at the back of the appliance.
Before restarting the appliance check for any irregularities such as blocked flue outlet, open firebox door... 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 at the back of the appliance and press the button (the temperature of the appliance must cool down).
To reset the alarm the power to the appliance must be switched off then on by turning the switch 0-1 at the back of the generator.

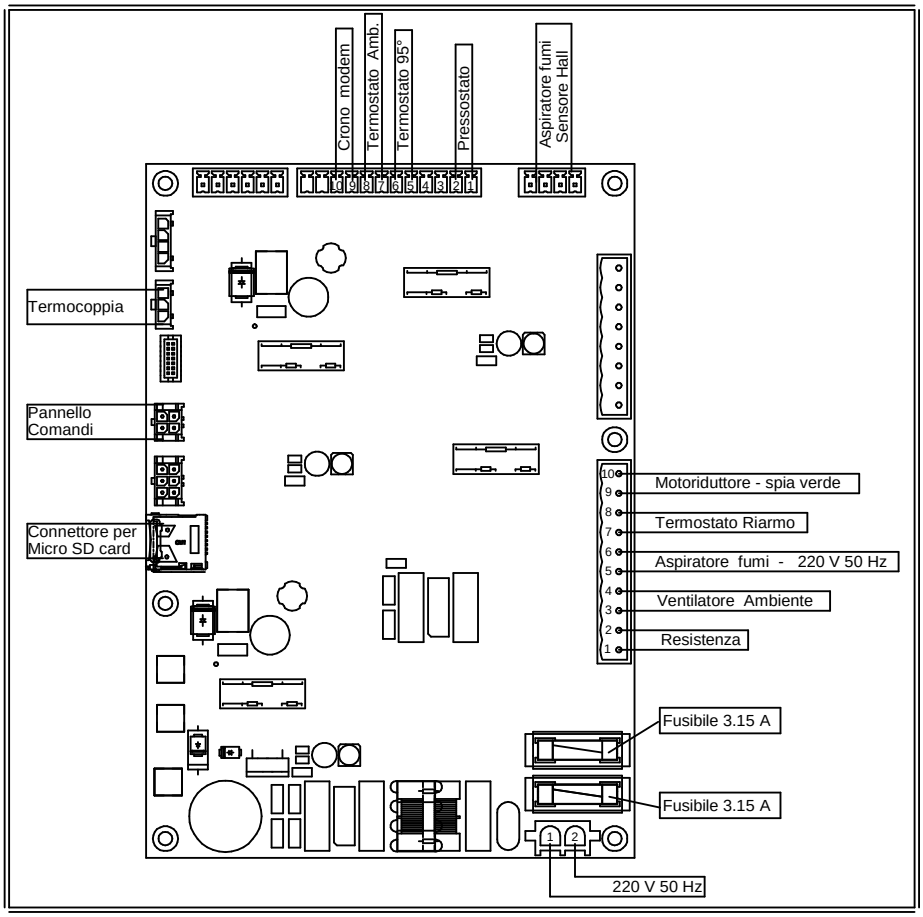
AL SMOKE TEMP SENSOR: appears when the smoke thermocouple is damaged or absent.

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.

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.

To reset the alarms the power to the appliance must be switched off then on by turning the switch 0-1 at the back of the generator.

11 - ELECTRICAL WIRING



LEGENDA	KEY
Termocoppia	Thermocouple
Pannello Comandi	Control panel
Connettore per Micro SD card	Connector for Micro SD card
Crono modem	Chrono modem
Termostato Amb.	Room thermostat
Termostato 95°	Thermostat 95℃
Pressostato	Pressure switch
Aspiratore fumi sensore Hall	Hall sensor for smoke suction unit
Motoriduttore - spia verde	Ratio motor - green LED
Termostato riarmo	Reset thermostat
Aspiratore fumi 220V 50 Hz	Smoke suction unit 220V 50 Hz
Ventilatore Ambiente	Room fan
Resistenza	Heater
Fusibile 3.15 A	Fuse 3.15 A

12 - INFORMATION FOR THE SKILLED TECHNICIAN

12.1 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 AL PE on the display.
TANK SAFETY THERMOSTAT
This thermostat starts operating as soon as the temperature in or near the pellet tank approaches 95°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 at the back of the appliance 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.

12.2 REQUIREMENTS NECESSARY FOR CORRECT INSTALLATION AND OPERATION

• Read this instruction booklet.
• The appliance must always be switched off from the control panel. It is forbidden to switch off the appliance by means of the switch installed on the back of the heater.
• 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 these instructions.
• 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.
• Sizing of the chimney liner:
Painted aluminized steel tubes (1.5 mm minimum thickness), Aisi 316 stainless steel tubes or 0.5 mm enamelled tubes may be used.
Minimum vertical length 4 m / Maximum vertical length 8 m / Length with minimum slope 5% 0.5 m

Maximum number of elbows at least 0.5 m apart: 2
• 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 directly into the brazier.
• Keep fuel and inflammable materials at a suitable distance.
• Use only original spare parts supplied by the manufacturer.

12.3 TROUBLESHOOTING CAUSE-SOLUTION

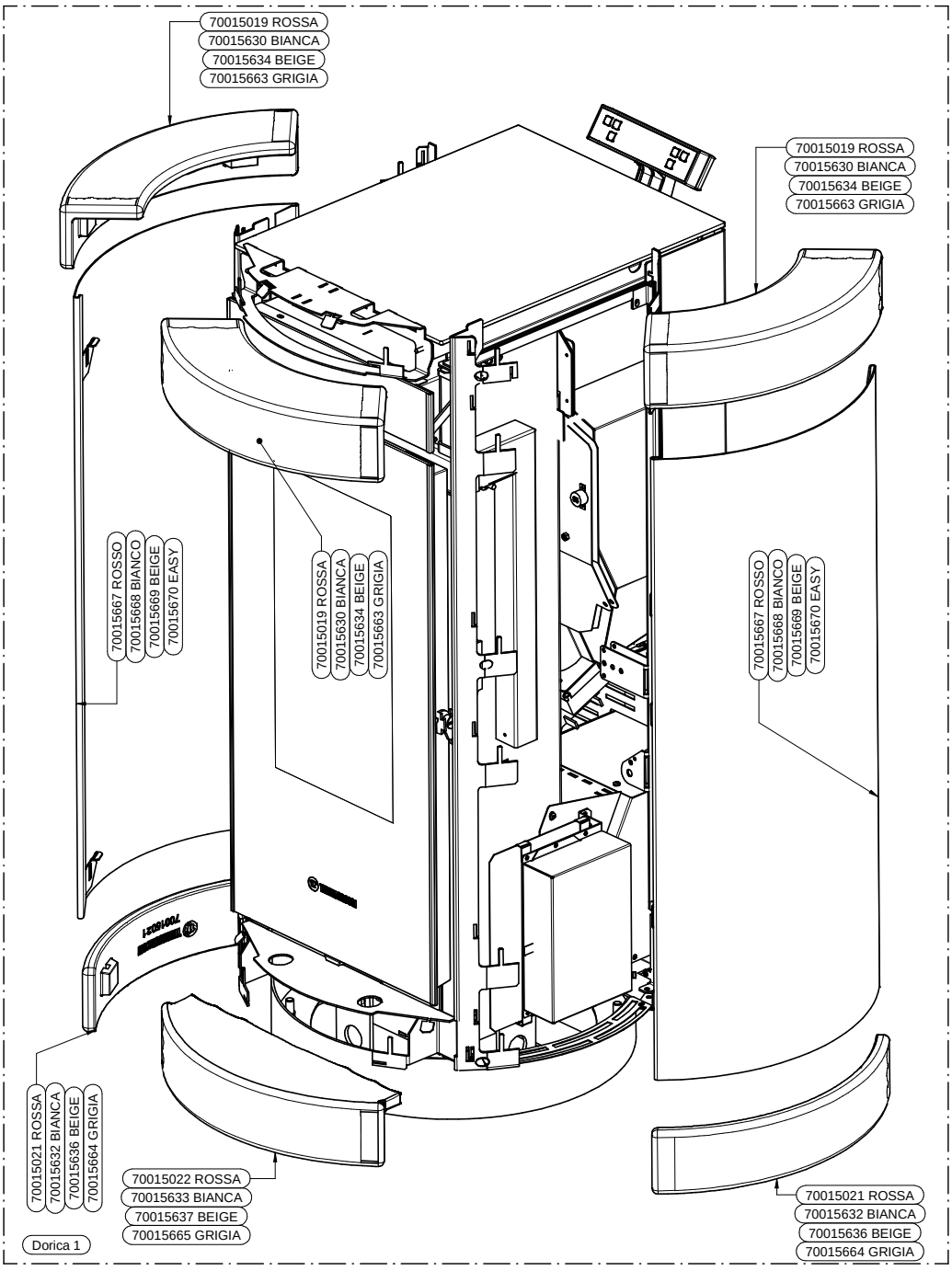
PROBLEM	CAUSE	SOLUTION
PELLETS DO NOT DROP INTO THE BURNER	PELLET TANK IS EMPTY (DISPLAY SHOWS THE INSCRIPTION "AL PE")	EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8 THEN FILL UP THE TANK WITH PELLETS
	FEEDER SCREW BLOCKED BY FOREIGN OBJECT SUCH AS NAIL, NYLON, PIECE OF WOOD REMOVE THE FOREIGN OBJECT INSIDE THE TANK. (DISPLAY SHOWS THE INSCRIPTION "AL PE")	CUT OFF THE POWER AND REMOVE THE FOREIGN OBJECT.
	SMOKE EXHAUST NOT FREE, OR WITH TERMINAL THAT OBSTRUCTS THE PASSAGE OF SMOKE (DISPLAY SHOWS THE INSCRIPTION "AL OP")	EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8. THEN CHECK THE SMOKE EXHAUST AS IT COULD BE DIRTY OR CLOGGED
	OUTLET TERMINAL CLOGGED BECAUSE A GRILL OR TERMINAL HAS BEEN INSERTED WHICH PREVENTS THE FREE PASSAGE OF SMOKE (DISPLAY SHOWS THE INSCRIPTION "AL OP")	EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8. THEN REMOVE THE TERMINAL AND REPLACE IT WITH A MORE SUITABLE ONE.
	GUST OF WIND WHICH HAS MADE THE APPLIANCE GO INTO SAFETY MODE (DISPLAY SHOWS THE INSCRIPTION **AL OP**)	EMPTY THE BURNER AND CLEAN IT UP (SEE PARA. 8) SWITCH THE POWER SUPPLY TO THE APPLIANCE OFF THEN BACK ON AGAIN
	THE PELLET SCREW MOTOR DOES NOT WORK	REPLACE THE PELLETS SCREW MOTOR
	THE RESET THERMOSTAT TRIPS AND LOCKS THE GEARMOTOR (DISPLAY SHOWS THE INSCRIPTION **AL T max**)	THE ROOM FAN IS DAMAGED AND MUST BE REPLACED. WAIT UNTIL THE APPLIANCE COOLS DOWN AND PUT BACK INTO SERVICE THE RESET THERMOSTAT.
THE APPLIANCE ACCUMULATES PELLETS IN THE BRAZIER WHILE OPERATING	SMOKE EXHAUST NOT FREE, OR WITH TERMINAL THAT OBSTRUCTS THE PASSAGE OF SMOKE	EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8. THEN REMOVE THE TERMINAL AND REPLACE IT WITH A MORE SUITABLE ONE. THEN CHECK THE SMOKE EXHAUST AS IT COULD BE DIRTY OR CLOGGED
	BURNER IS DIRTY	EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8.
	THE DOOR IS NOT FIRMLY CLOSED / WORN GASKET	CLOSE THE DOOR FIRMLY / REPLACE THE GASKET
	PELLETS WITH DEPOSIT ABOVE PERMISSBILE LIMITS	EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8.
		EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8.2. THEN SET THE OPERATING PROGRAM Level 2
		EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8. CHANGE THE TYPE OF PELLETS
	THE BURNER IS NOT PROPERLY PLACED ON ITS SEAT OR IT STAYS LIFTED FROM ITS SEAT	EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8. THEN SET THE BURNER ON ITS SEAT PROPERLY
THE APPLIANCE SMOKES	OCCURS THE FIRST TIME THE APPLIANCE IS SWITCHED ON AS THE SILICONE PAINT IS BEING BAKED.	RUN THE APPLIANCE AT FULL POWER FOR 10 HOURS TO COMPLETE THE BAKING.
	THE SMOKE EXHAUST IS NOT SEALED CORRECTLY	CHECK IF THE FLUE OUTLET IS SEALED CORRECTLY CHECK THE CONDITION OF THE OUTLET TUBES AND IF THE GASKETS ARE SEALED CORRECTLY
	IF THE APPLIANCE STARTS TO SMOKE AFTER 25 MINUTES: DIRTY BURNER, VERY DELAYED START	EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8.
	IF THE APPLIANCE STARTS TO SMOKE AFTER 25 MINUTES: DELAYED START BECAUSE THE SCREW FEEDER IS EMPTY	EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8. THEN FILL UP THE TANK
	SMOKE PURGE VALVE TRIPPING	FOLLOW ALL THE CLEANING AND MAINTENANCE INSTRUCTIONS SET OUT IN PARA 8, INCLUDING THE CLEANING OF THE FLUE OUTLET
THE APPLIANCE SHUTS OFF A FEW MINUTES AFTER THE END OF THE START UP CYCLE	DELAYED START BECAUSE THE SCREW FEEDER IS EMPTY (DISPLAY SHOWS THE INSCRIPTION **AL AC**)	EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8. THEN FILL UP THE TANK
	DIRTY BURNER, VERY DELAYED START (DISPLAY SHOWS THE INSCRIPTION **AL AC**)	EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8. THEN FILL UP THE TANK

THE APPLIANCE DOES NOT START UP	*THE SPARK PLUG IS DAMAGED (DISPLAY SHOWS THE INSCRIPTION **AL AC**)*	*EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8. THEN REPLACE THE SPARK PLUG*
THE GLASS IS COVERED IN BLACK SOOT	*THE APPLIANCE ACCUMULATES PELLETS IN THE BRAZIER*	*CLEAN THE GLASS MORE OFTEN. FOLLOW THE CLEANING AND MAINTENANCE INSTRUCTIONS OF THE APPLIANCE (SEE PARA. 8) SET THE OPERATING PROGRAM "level 2"*
	THE APPLIANCE OPERATES WITH FREQUENT ON-OFF CYCLES	*THE APPLIANCE NEEDS TO OPERATE AT A HIGHER POWER LEVEL TO REDUCE THE ON/OFF ACTIONS.*
	THE CAST BLADE POSITION IS NOT CORRECT/ NO BLADE	*POSITION THE BLADE CORRECTLY / MOUNT THE BLADE*
THE APPLIANCE SEEMS NOT TO HEAT	*ROOM TEMPERATURE THERMOSTAT IS SET TOO LOW THE APPLIANCE OPERATES AT INTERVALS*	*THE APPLIANCE MUST OPERATE FOR MORE HOURS WITH MORE POWER: SET A HIGHER TEMPERATURE*
	THE ROOM IS TOO LARGE, THE WALLS ARE COLD	*SEPARATE THE SPACES THE APPLIANCE SHOULD OPERATE FOR MORE TIME AND WITH MORE POWER*
	POOR PELLETS	*USE A DIFFERENT TYPE OF PELLETS IN COMPLIANCE WITH OM 7135*
	CEILINGS TOO HIGH OR PRESENCE OF STAIRS THAT DISPERSE THE HEAT ELSEWHERE.	*SEPARATE THE SPACES THE APPLIANCE SHOULD OPERATE FOR MORE TIME AND WITH MORE POWER*
THE APPLIANCE IS OFF BUT THERE ARE UNBURNT PELLETS IN THE BRAZIER	*PELLET TANK IS EMPTY (DISPLAY SHOWS THE INSCRIPTION "AL PE")*	*EMPTY THE BURNER AND CLEAN IT UP AS INDICATED IN PARA. 8. THEN FILL UP THE TANK*
THE PROGRAMMING AND/OR TIME DO/DOES NOT REMAIN IN THE MEMORY	*THE BUFFER BATTERY TYPE CR1632 INSTALLED IN THE CONTROL PANEL IS EXHAUSTED.*	*REPLACE THE BATTERY (SEE PARA. 8)*
THE APPLIANCE CARRIES OUT RANDOM COMMANDS THAT HAVE NOT BEEN SET ON IT OR RANDOMLY VARIES THE VENTILATION AND COMBUSTION LEVEL	*THE "OPTIONAL WHITE HANDHELD RADIO CONTROL" IS INSTALLED AND THERE IS ANOTHER THERMOROSSI PRODUCT NEARBY*	*CHANGE THE CODE SELECTOR (SEE PARA. 6)*
THE APPLIANCE DOES NOT CARRY OUT THE COMMANDS SET BY THE OPTIONAL WHITE HANDHELD RADIO CONTROL	*THERE IS ANOTHERTHERMOROSSI PRODUCT NEARBY*	*CHANGE THE CODE SELECTOR (SEE PARA. 6)*
THE TANK COVER DOES NOT RUN/SLIDE ON THE TUBE SCRAPER KNOBS	*THE APPLIANCE IS VERY DIRTY*	*CLEAN IT UP AS INDICATED IN THE FIGURES 4A, 4B, 4C AND 5 (PARA. 8.2)*
THE TANK COVER DOES NOT SLIDE EASILY OR AT ALL	*THERE ARE PELLETS IN THE RUNNERS*	*USE A VACUUM CLEANER TO REMOVE THE PELLETS FROM THE RUNNERS*

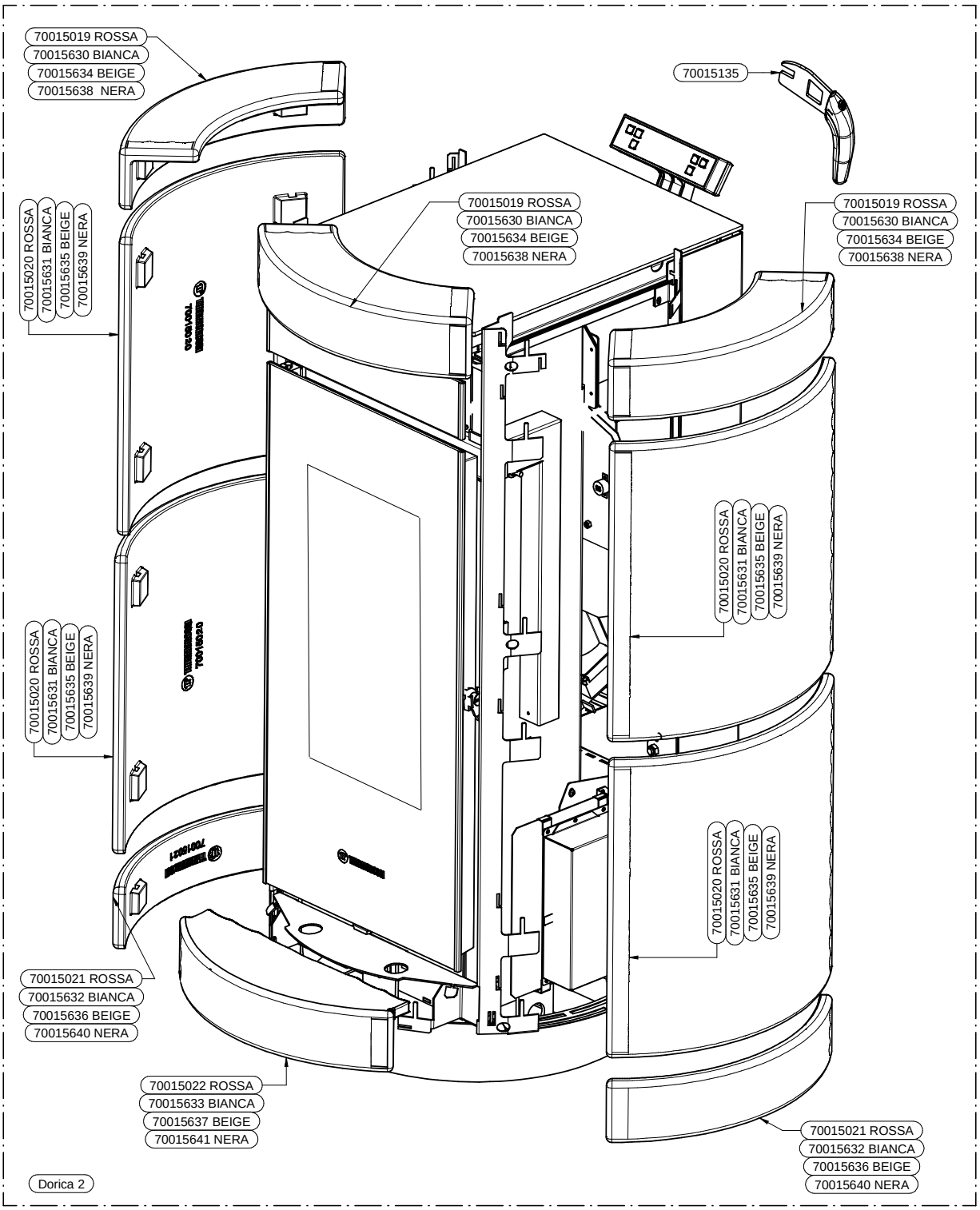
IF THE RECOMMENDED REMEDIES DO NOT SOLVE THE PROBLEM CONTACT A TECHNICAL ASSISTANCE SERVICE

13 - SPARE PARTS

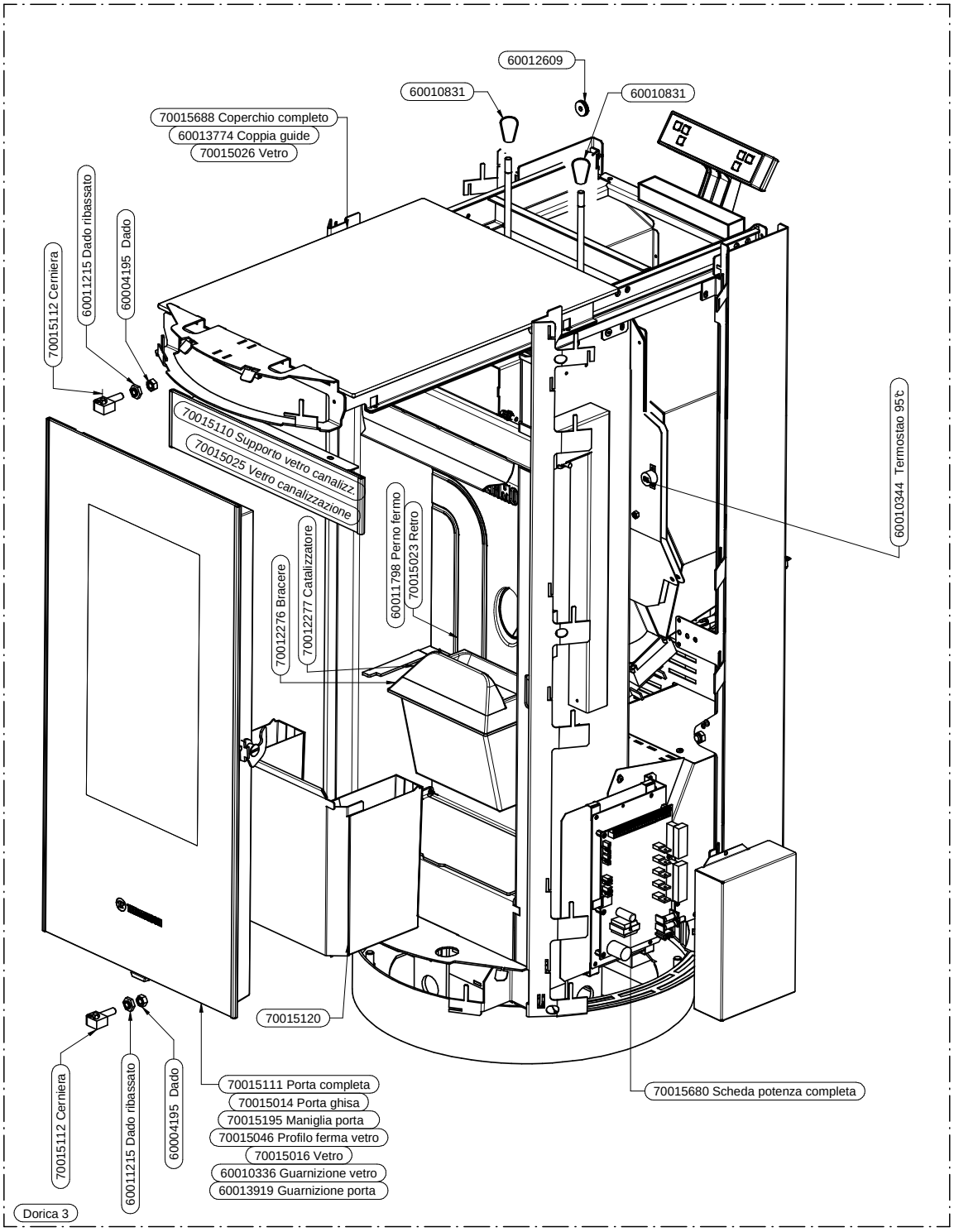
13.1 SPARE PARTS DORICA PAG. 1/5



13.2 SPARE PARTS DORICA PAG. 2/5



13.3 SPARE PARTS DORICA PAG. 3/5



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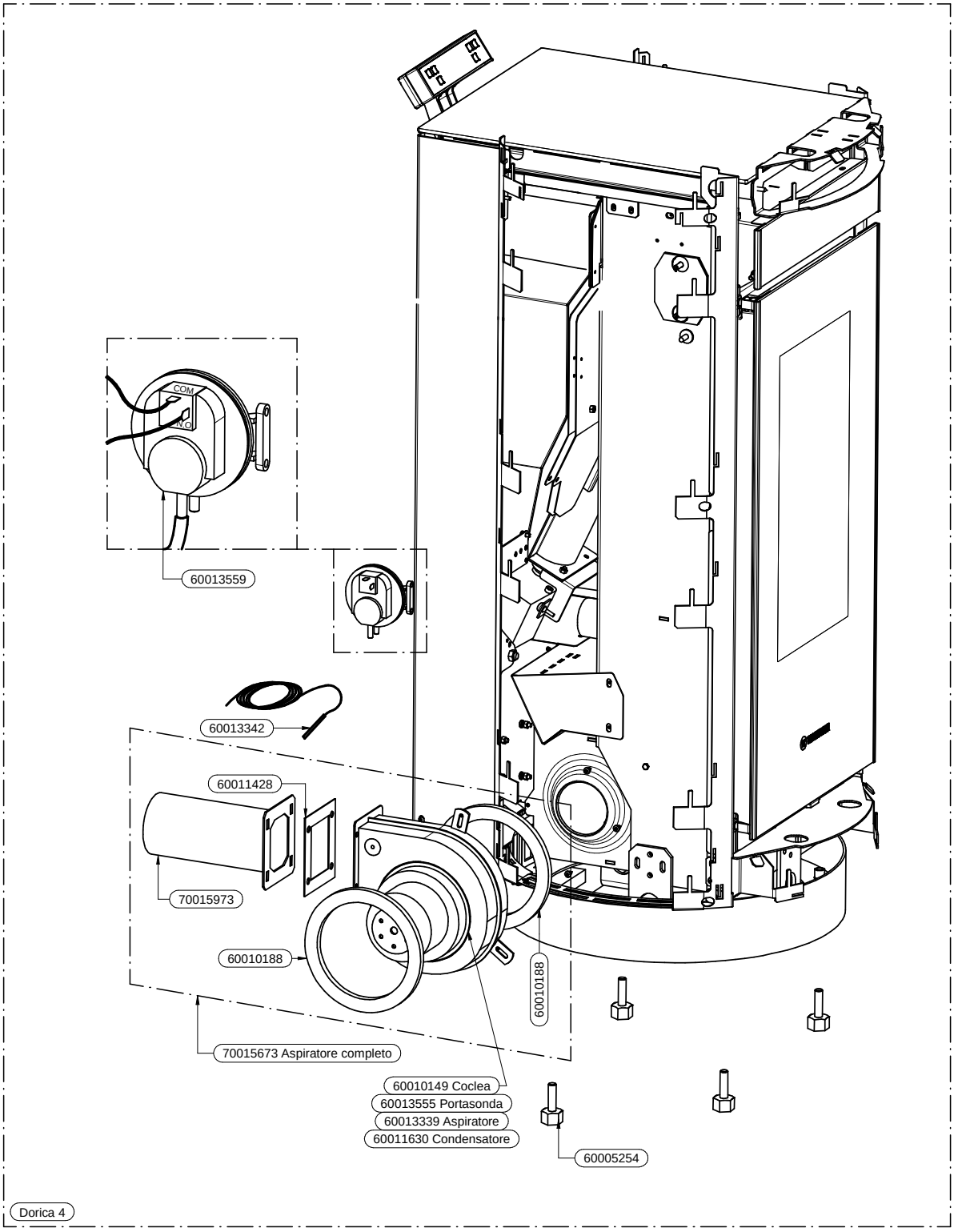

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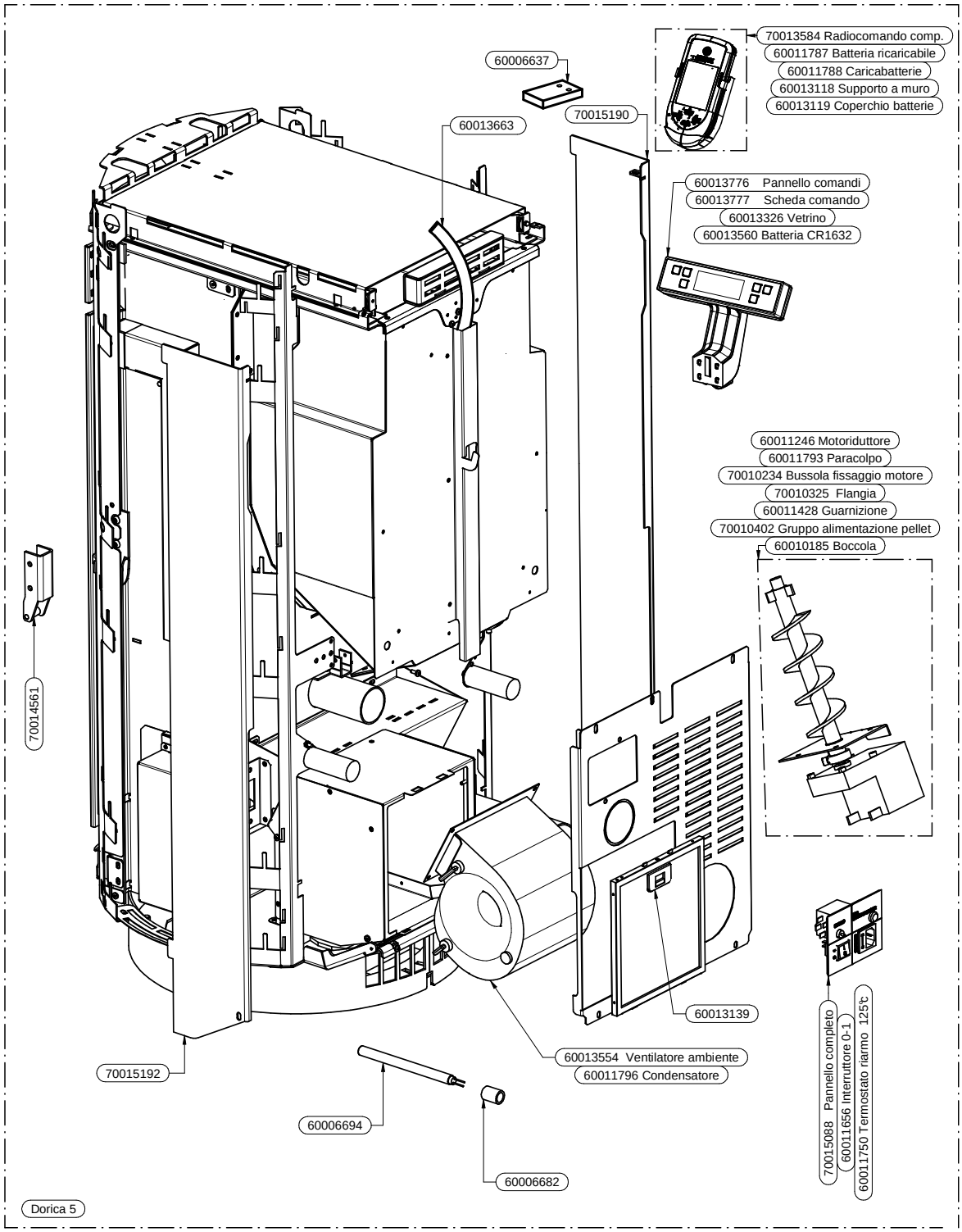
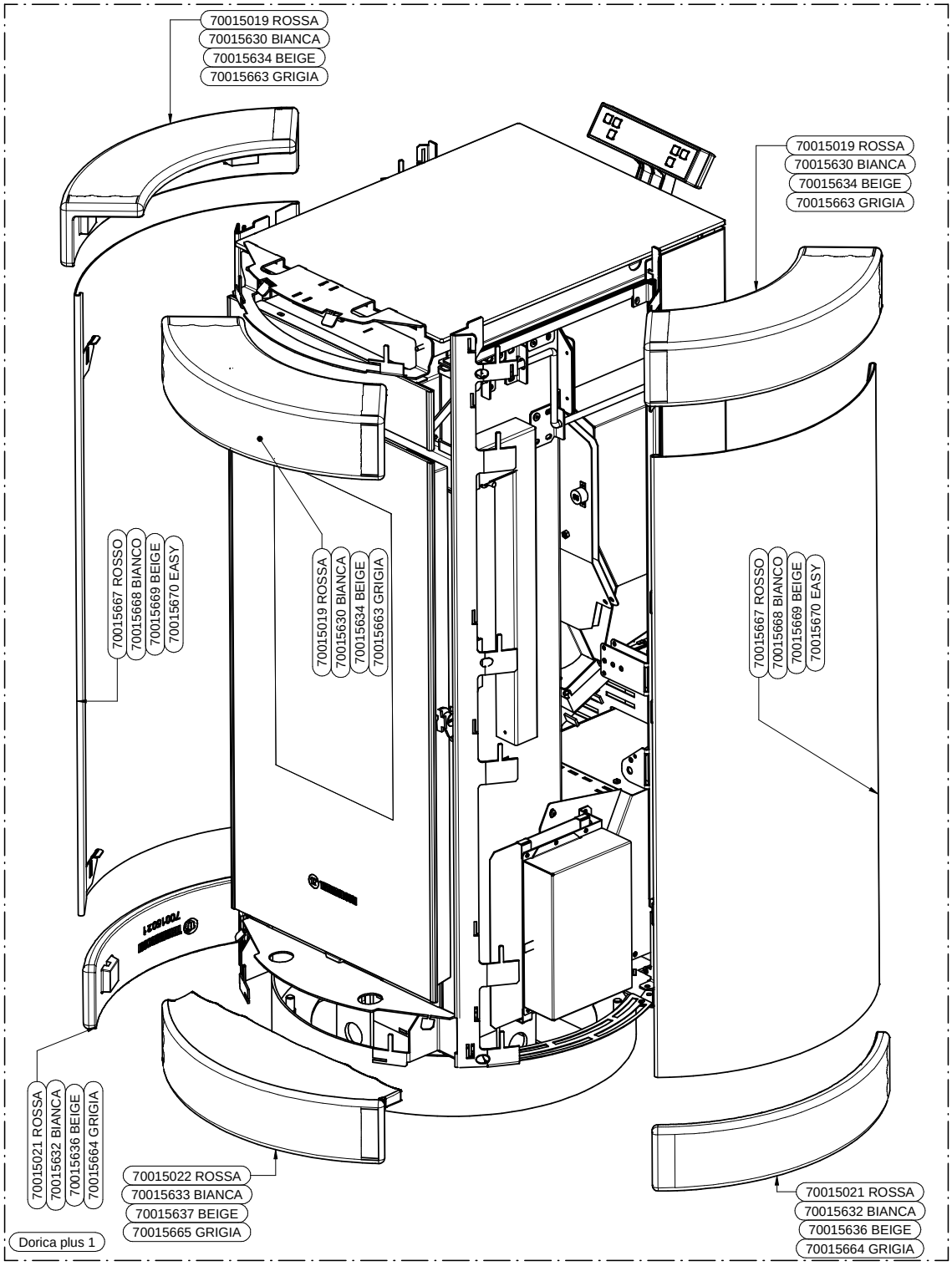
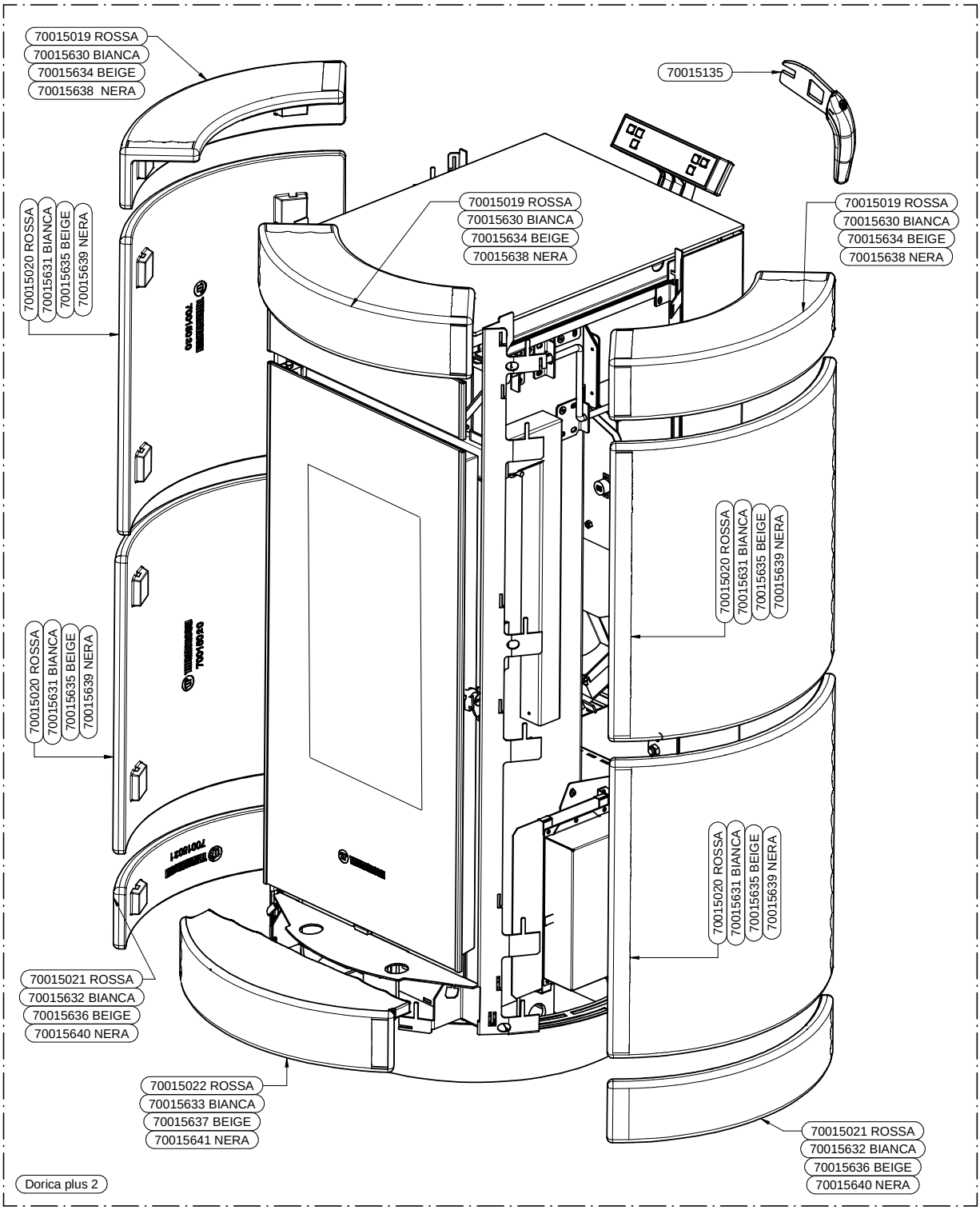


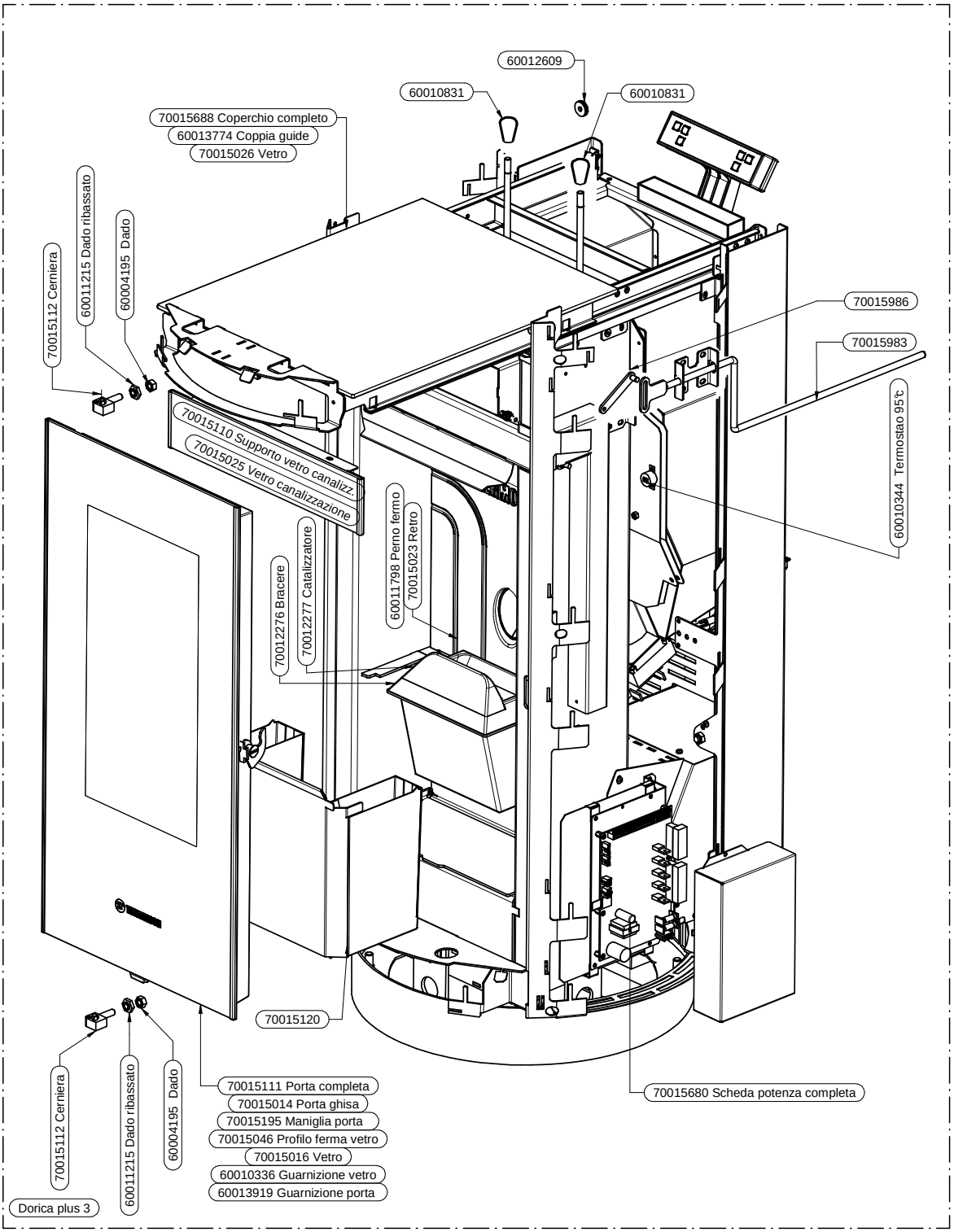
13.6 SPARE PARTS DORICA PLUS PAG. 1/5



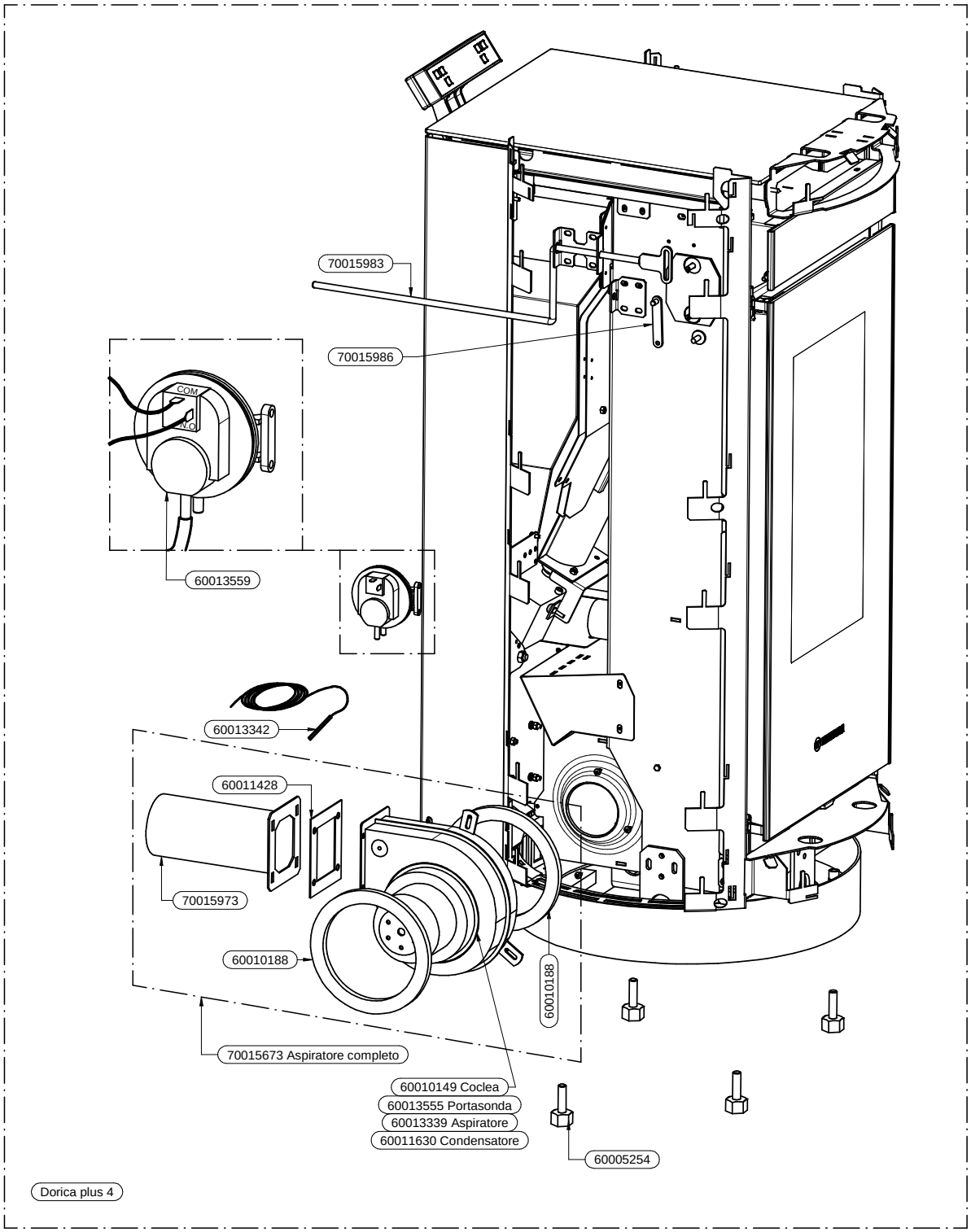
13.7 SPARE PARTS DORICA PLUS PAG. 2/5



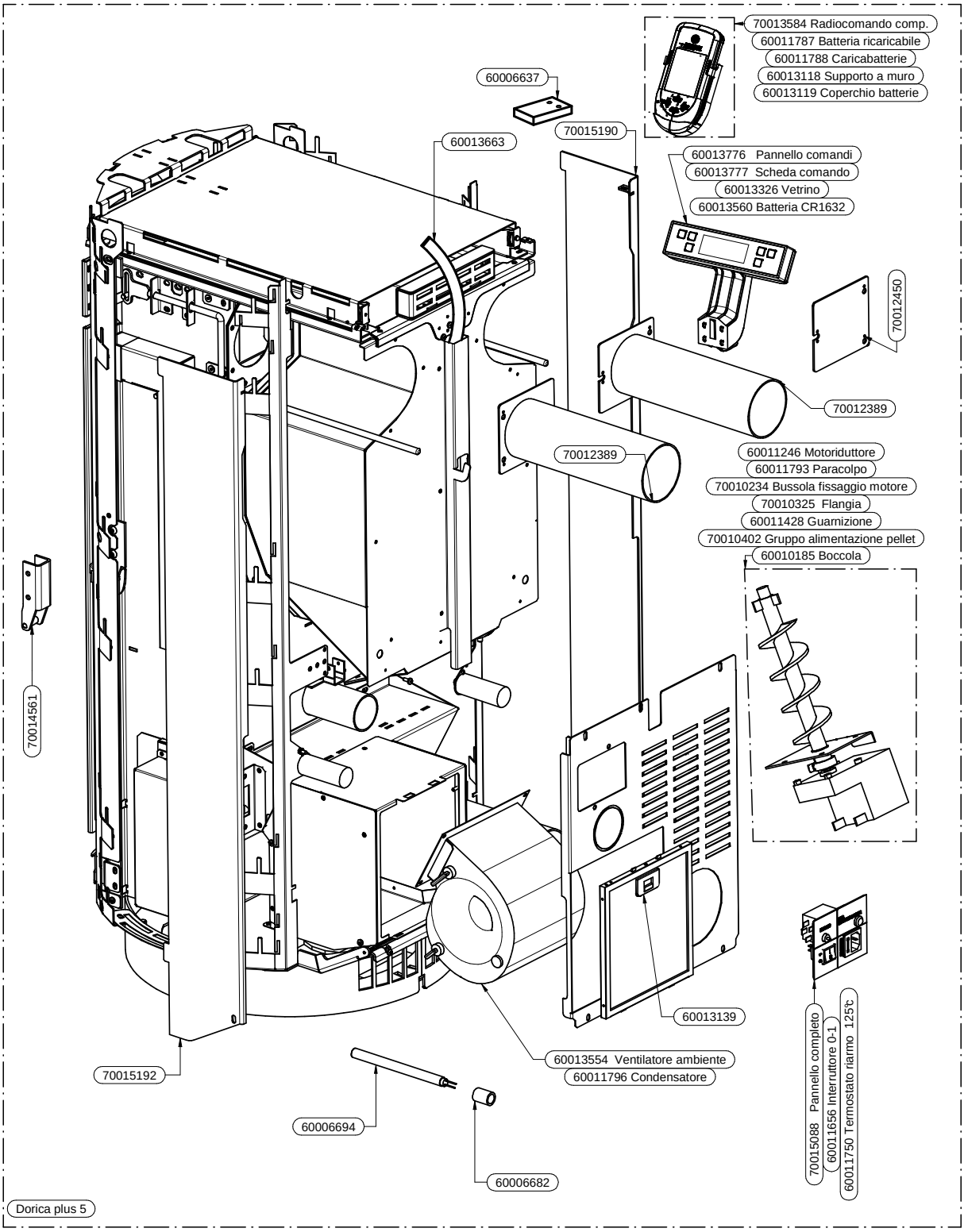
13.8 SPARE PARTS DORICA PLUS PAG. 3/5



13.9 SPARE PARTS DORICA PLUS PAG. 4/5



13.10 SPARE PARTS DORICA PLUS PAG. 5/5



LEGENDA RICAMBI	SPARE PARTS KEY
Rosso/a	Red
Bianco/a	White
Beige	Beige
Grigio/a	Grey
Nera	Black
Coperchio completo	Complete cover
Coppia guide	Guide pair
Vetro	Glass
Cerniera	Hinge
Dado ribassato	Low nut
Dado	Nut
Supporto vetro canalizz.	Upper front glass support
Vetro canalizzazione	Upper front glass
Braciere	Brazier
Catalizzatore	Catalyst
Perno fermo	Lock pin
Retro	Back plate
Termostato 95℃	Thermostat 95℃
Porta completa	Complete door
Porta ghisa	Cast door
Maniglia porta	Door handle
Profilo ferma vetro	Beading profile
Guarnizione vetro	Glass gasket
Guarnizione porta	Door gasket
Scheda potenza completa	Complete power board
Aspiratore completo	Complete suction unit
Coclea	Screw feeder
Portasonda	Probe holder
Aspiratore	Suction unit
Condensatore	Condenser
Radiocomando comp.	Complete remote control
Batteria ricaricabile	Rechargeable battery
Caricabatteria	Battery charger
Supporto a muro	Wall mount
Coperchio batterie	Battery cover
Pannello comandi	Control panel
Scheda comando	Control board
Vetrino	Glass
Batteria CR1632	Battery CR1632
Motoriduttore	Ratio motor
Paracolpo	Bumper
Bussola fissaggio motore	Motor fixing bush
Flangia	Flange
Guarnizione	Gasket
Gruppo alimentazione pellet	Pellet feeder unit
Boccola	Bush
Ventilatore ambiente	Room fan
Pannello completo	Complete panel
Interruttore 0-1	Switch 0-1
Termostato riarmo 125℃	Reset thermostat 125℃

NOTES