

NANCY



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Dear Sir/Madam

Congratulations and thank you for choosing our product.

Please read this document carefully before you use this product in order to obtain the best performance in complete safety.

For further details or assistance, please contact the DEALER where you purchased the product or visit the TECHNICAL ASSISTANCE CENTRES page on our website www.edilkamin.com.

NOTE

- After you remove the packaging, please inspect the unit for any damage or missing parts (remote control, connecting sleeves, warranty booklet, glove, CD/technical data sheet, spatula, desiccant).

In case of anomalies please contact the dealer where you purchased the product immediately.

You will need to present a copy of the warranty booklet and valid proof of purchase.

- Commissioning/ testing

Commissioning and testing must be performed by an authorized Edilkamin Technical Assistance Centre. Failure to do so will void the warranty. Commissioning, as specified in standard UNI 10683 Rev. 2005 (section "3.2") consists in a series inspections to be performed with the insert installed in order to ascertain the correct operation of the system and its compliance to applicable regulations.

To locate the Technical Assistance Centre closest to you, please ask your local dealer, call our toll-free number, or visit our website www.edilkamin.com.

- Incorrect installation, incorrect maintenance, or improper use of the product, shall relieve the manufacturer from any damage resulting from the use of this product.

- the proof of purchase tag, necessary for identifying the insert, is located:

- on the top of the package

- in the warranty booklet found inside the firebox

- on the ID plate affixed to the back side of the unit;

This documentation must be saved for identification together with the valid proof of purchase receipt. The data contained therein must be reported when requesting information and made available should servicing be required;

- All images are for illustration purposes only; actual products may vary.

DECLARATION OF CONFORMITY

The undersigned EDILKAMIN S.p.a. with head office headquarters at Via Vincenzo Monti 47 - 20123 Milan - Italy - VAT IT00192220192

Declares under its own responsibility as follows:

The wood pellet stoves specified below is in accordance with the 89/106/EEC (Construction Products)

WOOD PELLET STOVES, trademark EDILKAMIN, called NANCY

Year of manufacture:

Ref. Data nameplate

Serial number: Ref. Data nameplate

The compliance with the 89/106/EEC directive is besides determined by the compliance with the European standard:

UNI EN 14785:2006

the wood pellet stove NANCY is in compliance with the requirements of the European directives:

2006/95/EEC - Low voltage directive

2004/108/EEC - Electromagnetic compatibility directive

EDILKAMIN S.p.a. will decline all responsibility of malfunctioning or damage to the equipment in case of unauthorized substitution, assembly or modifications of any sort on the said equipment on the part of non-EDILKAMIN personnel.

PRINCIPLE OF OPERATION

The NANCY stove produces hot air using wood pellets as fuel, whose combustion is controlled electronically. Hereunder is the explanation of its functions (the letters refer to figure 1).

The fuel (pellets) is provided by the storage hopper (A) and, to the combustion chamber (D) by means of a feed screw (B), which is driven by a gear motor (C).

The pellets are ignited by the air that is heated by an electrical resistance (E) and drawn into the combustion chamber by a smoke extractor (F).

The fumes produced during the combustion process are extracted from the hearth by the same centrifugal fan (F), and expelled through the outlet (G) located on the lower part of the stove.

The stoves are designed to allow warm air to be channelled, to heat an adjacent room.

Three outlets are set up to channel warm air (on the rear, side and top). Use the most suitable one (hence the caps will have to be used to close off the other outlets) connecting it with the specifically designed optional KIT 8.

The hearth is lined with cast iron, closed in the front by two overlapping doors.

- a ceramic glass external door
- an inner door made from ceramic glass which is in direct contact with the fire.

The amount of fuel, smoke extraction, and air fuel supply are all controlled by the software-equipped circuit board, with the aim of obtaining highly efficient fuel consumption and low emissions.

All phases of operation can be managed via radio remote control.

The stove is equipped with a serial port to connect an optional cable (code 621240) to be connected to devices that allow remote ignition (e.g. remote telephone, local thermostat).

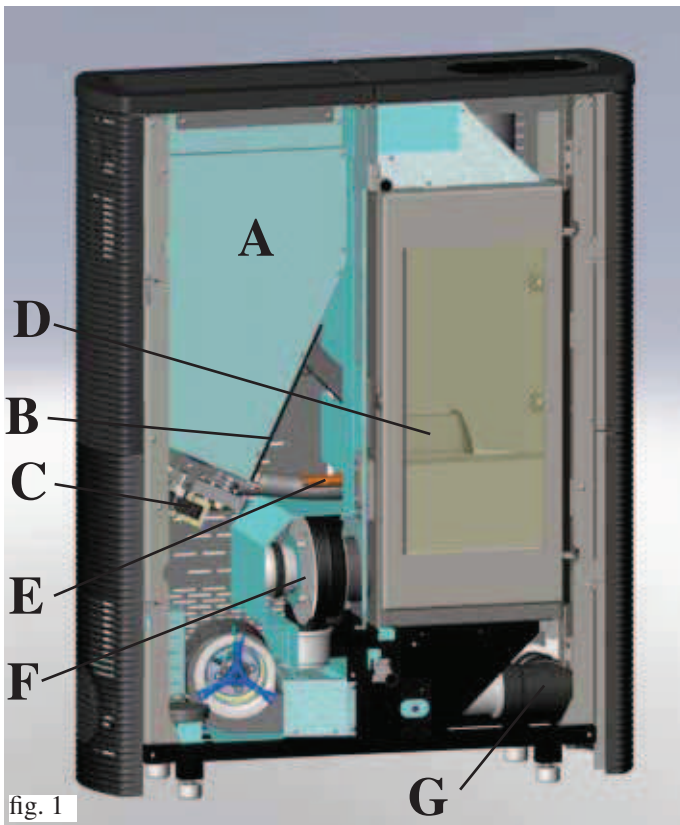


fig. 1

SAFETY INFORMATION

The NANCY stove is designed to provide heating, by automatically burning pellets in the hearth

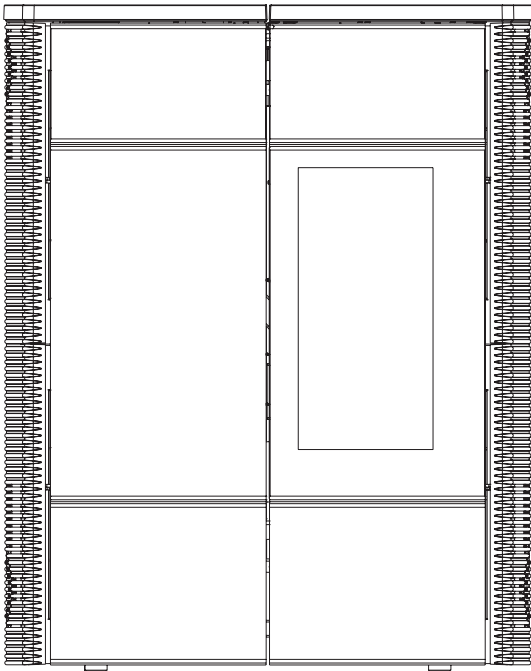
- The room where it is installed, by radiation and by circulating the air coming out of the grille built into the right semi-top
- The adjacent room by circulating channelled air from the rear, right side or top outlets.

- The only risks that may derive from using the stove pertain to non-compliance with installation instructions, direct contact with live electrical parts (internal), contact with the fire or hot parts (glass, pipes, hot air output), or foreign substances being put in the stove.
- Only use wood pellets with 6 mm diameter as fuel.
- Should components fail, the stoves are equipped with safety devices that guarantee automatic shutdown. These are activated without any intervention required.
- In order to function correctly, the stove must be installed in accordance with the instructions given herein and the door must not be opened during operation: combustion is fully automatic and requires no intervention.
- Under no circumstances should any foreign substances be entered into the hearth or hopper.
- Do not use flammable products to clean the smoke channel (the flue section connecting the stove smoke outlet to the chimney flue).
- Hearth and hopper components must only be cleaned with a vacuum cleaner.
- The glass can be cleaned when COLD with a suitable product (e.g. GlassKamin Edilkamin) and a cloth.
- Do not clean when hot.
- Ensure that the stoves are installed and ignited by a qualified Edilkamin DEALER, in accordance with the instructions given herein.; these conditions are essential for the validation of the guarantee.
- When the stove is in operation, the exhaust pipes and door become very hot (do not touch without wearing the thermal glove).
- Do not place anything, which is not heat resistant near the stove.
- NEVER use liquid fuel to ignite the stove or rekindle the embers.
- Do not obstruct the ventilation apertures in the room where the stove is installed, nor the air inlets of the stove itself.
- Do not wet the stove and do not go near electrical parts with wet hands.
- Do not use reducers on the smoke exhaust pipes.
- The stove must be installed in a room that is suitable for fire prevention and equipped with all that is required (power and air supply and outlets) for the stove to function correctly and safely.
- **Should ignition fail, DO NOT re-ignite until you have emptied the combustion chamber.**
- **ATTENTION: THE PELLETS EMPTIED FROM THE COMBUSTION CHAMBER MUST NOT BE DEPOSITED INSIDE THE HOPPER.**

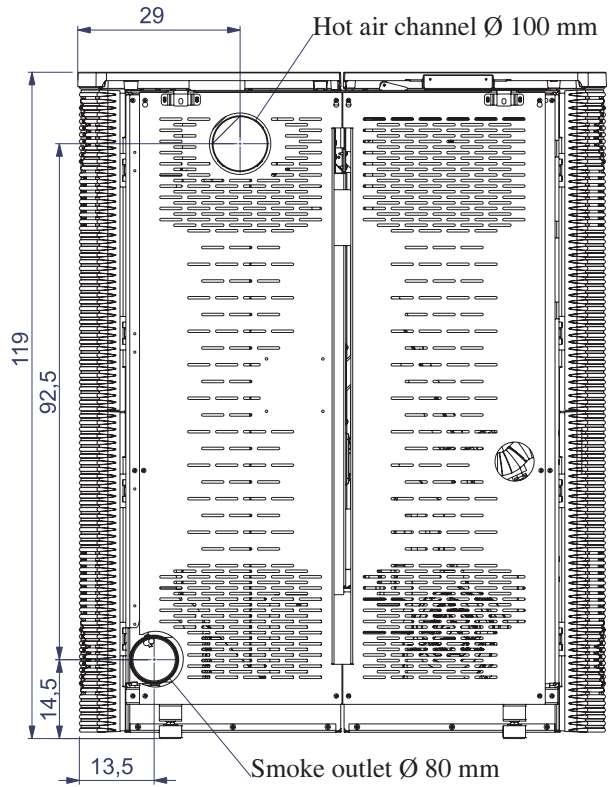
DIMENSIONS AND FINISHINGS

- off-white laminam
- "Corten" effect laminam
- wood effect laminam

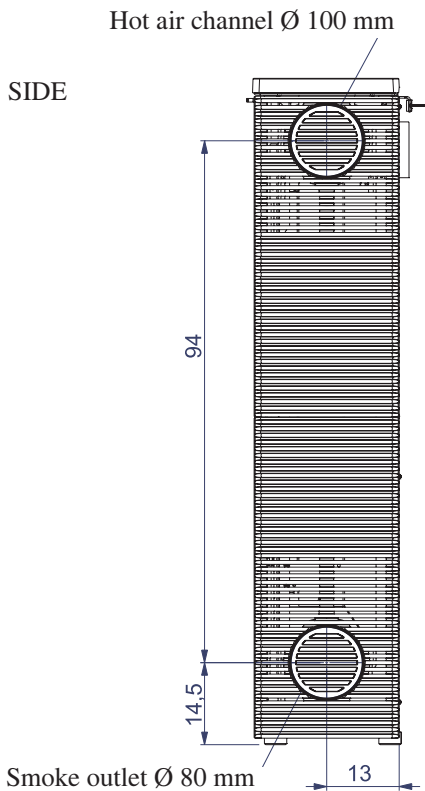
FRONT



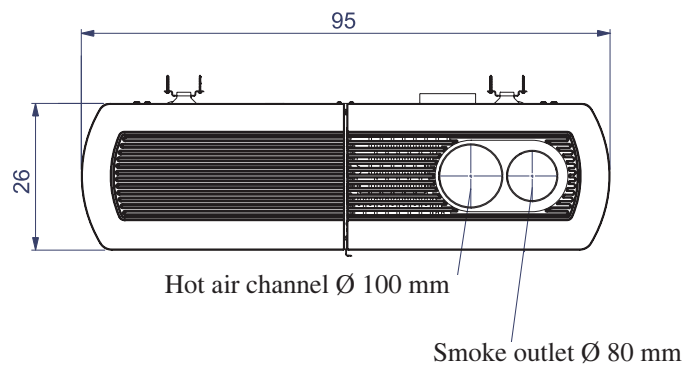
BACK



SIDE



SYSTEM



ELECTRONIC EQUIPMENT

LEONARDO® is a combustion safety and control system which allows optimal performance in all conditions thanks to two sensors measuring the pressure level in the combustion chamber and smoke temperature.

The detection of and subsequent optimisation of these two parameters is continuous in order to correct operation anomalies in real time.

The LEONARDO® system offers constant combustion, automatically regulating the draft based on the characteristics of the chimney flue (bends, length, shape, diameter, etc..) and environmental conditions (wind, humidity, atmospheric pressure, installations at high altitude, etc.).

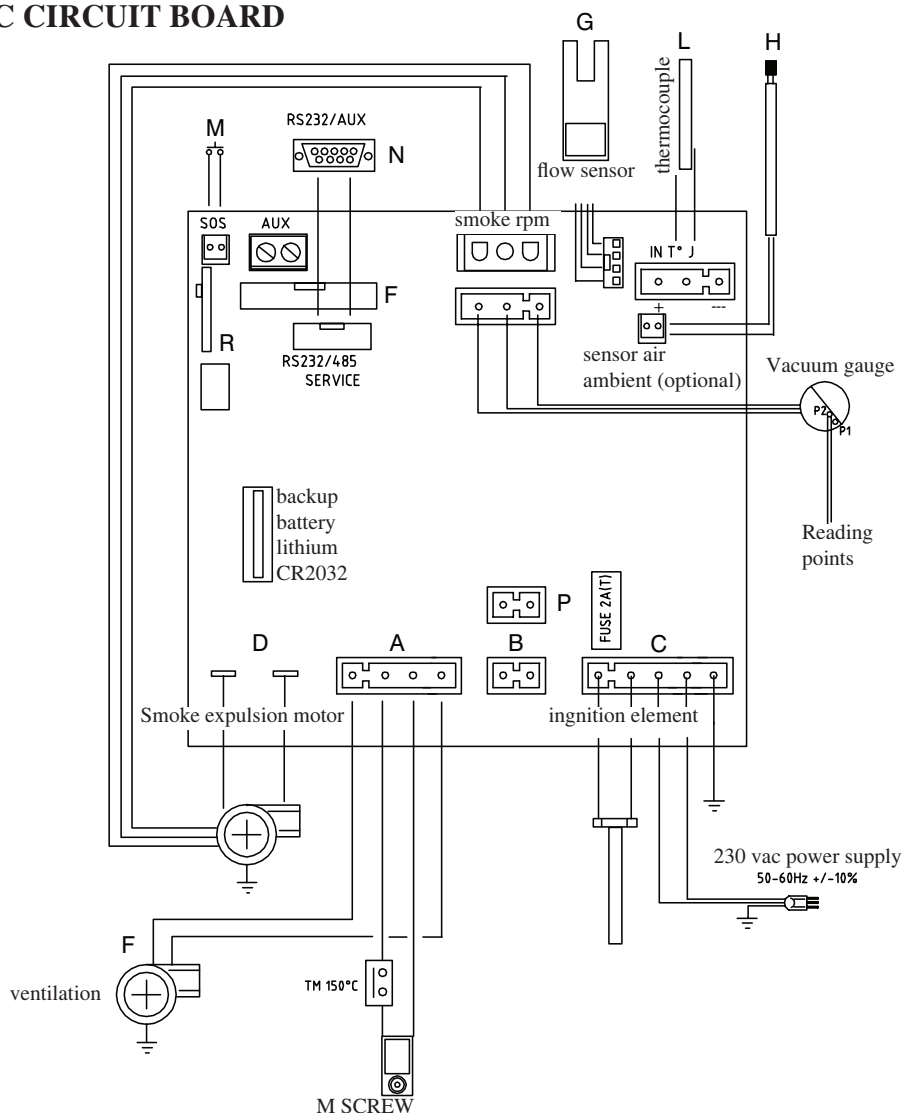
The standards for installation must be respected.

LEONARDO® system is also able to recognise the type of pellets and automatically adjust the flow moment by moment to ensure the required level of combustion.



ENGLISH

ELECTRONIC CIRCUIT BOARD



SERIAL PORT

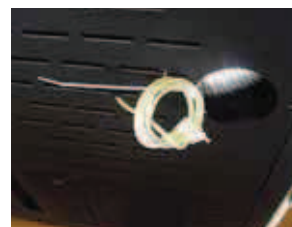
The Dealer can install an optional on the AUX outlet for controlling the process of switching on and off (e.g. telephone remote, local thermostat), located at the rear of the stove. Can be connected via special optional trestle (code 621240). The serial port is located inside the coating on the left side.

BACKUP BATTERY

A backup battery is found on the control board (3-Volt CR 2032 battery). Its failure (not considered a product defect, but normal wear and tear) is indicated with the words "Battery check". For more detailed information, please contact the DEALER who has performed the first 1st ignition.

ROOM TEMPERATURE SENSOR

An outlet for the 1 metre-long room temperature cable is provided on the back of the stove. The sensor, which will be attached to the wall using the bracket provided, is wired onto the end of the cable.



CHARACTERISTICS

THERMOTECHNICAL CHARACTERISTICS		
Nominal power	9	kW
Efficiency nominal power	94,1	%
Emissions CO (13% O2) nominal power	0,015	%
Smoke mass nominal power	5,8	g/s
Reduced power	2,8	kW
Efficiency reduced power	96,2	%
Emissions CO (13% O2) reduced power	0,021	%
Smoke mass reduced power	2,1	g/s
Maximum overheated smoke	150	°C
Minimum draught	12	Pa
Autonomy (min/max)	10 / 33	hours
Fuel consumption (min/max)	0,6 / 2	kg/h
Hopper capacity	20	kg
Heatable volume *	235	m ³
Weight including packaging	220	kg
Smoke outlet pipe diameter (male)	80	mm
Air intake pipe diameter (male)	40	mm

* The heatable room dimensions are calculated on the basis home insulation in compliance with Italian law 10/91, and subsequent changes together with an expected heat output of 33 Kcal/m³ per hour.

* It is also important to consider the position of the stove in the room to be heated.

N.B.

1) keep in mind that external devices can cause interference to the operation of the circuit board.

2) caution: live parts. Servicing and/or inspections must be carried out by qualified staff.

ELECTRICAL CHARACTERISTICS		
Power supply	230Vac +/- 10% 50 Hz	
Average power consumed	120	W
Power consumed upon ignition	400	W
Remote control frequency	Radio waves 2,4 GHz	
Protection on electronic board *	Fuse 2AT, 250 Vac 5x20	

The data shown above is purely indicative.

EDILKAMIN s.p.a. reserves the right to change the products at its discretion without notice.

SAFETY DEVICES

• THERMOCOUPLE:

Placed at the smoke outlet to detect the temperature.

Turns the stove on and off and controls its operation based on defined parameters.

• AIR FLOW SENSOR:

located in the suction channel, it is activated when the combustion air flow is not correct, with consequent pressure problems in the smoke circuit causing the stove to shut-down.

• SAFETY THERMOSTAT:

Trips when the temperature inside the stove is too high. It stops pellet loading, causing the stove to go out.

INSTALLATION

Refer to local regulations in the country of use for anything that is not specifically covered in this manual. In Italy, refer to standard UNI 10683 in addition to any Regional or Local Health Authority regulations. If the stove is to be installed in a block of apartments, consult the block administration before installing.

VERIFY COMPATIBILITY WITH OTHER DEVICES

The stove must NOT be installed in the same room as extractors, type B heating appliances and other appliances that may affect its operation. See regulation UNI 10683.

VERIFY THE POWER SUPPLY CONNECTION (the plug must be accessible)

The stove is supplied with a power cable that is to be connected to a 230V 50 Hz socket, preferably fitted with a magnetothermic switch. In the event that the power outlet is not easily accessible, provide a device to cut off the power supply (a switch) upstream of the stove (must be provided by the customer). Voltage variations exceeding 10% can damage the stove.

The electrical system must comply with the law; particularly verify the efficiency of the earthing system.

An inadequate earthing system can cause anomalies for which Edilkamin cannot be held liable.

The power line must have a suitable cross-section for the stove's power.

FIRE PREVENTION SAFETY DISTANCES

The stove can be attached directly to brick and/or plasterboard walls. In the case of combustible walls (wood, for example), you must install adequate insulation in a non combustible material. You are required to adequately insulate the smoke exhaust pipe and the warm air channelling pipe, as they reach high temperatures. All elements made from combustible and/or heat-sensitive material located adjacent to the stove must be arranged at a distance of no less than 40 cm or otherwise be adequately insulated with non combustible insulating material, and in any case materials can not be placed at less than 80 cm in front of the stove as they are directly exposed to the heat radiating from the hearth.

AIR INTAKE

There must be an air inlet behind the stove with a minimum diameter of 80 cm². This must be connected to the outside in order to guarantee sufficient air supply to the stove for combustion.

The air intake must be connected to the dedicated nozzle on the back of the stove (see pg. 23).

SMOKE OUTLET

The stove must have its own smoke outlet (the smoke cannot be discharged into a smoke flue used by other devices).

The smoke exhaust is expelled through the 8 cm-diameter outlet located on the back, right side or top. The smoke outlet must be connected to outside by means of suitable steel pipes and must be free from obstructions. The stove smoke discharge must be connected with outside by means of steel or black pipes EN 1856 certified. The pipe line must be hermetically sealed. The pipes must be sealed and insulated using materials that are resistant to high temperatures (high temperature silicone or mastic). The only horizontal section allowed may be up to 2 m long. It is possible to use up to two curves with a maximum angle of 90 ° (with respect to the vertical axis). A vertical section of at least 1.5m and an anti-wind terminal is necessary (if the discharge outlet is not in a chimney flue) (reference UNI 10683). The vertical duct can be internal or external. If the smoke channel is outside, it must be appropriately insulated. If the smoke channel is fitted inside a chimney flue, the latter must be suitable for solid fuel. If it is wider than 150 mm in diameter it must be improved by entering a pipe that has a suitable cross-section and is made of suitable material (e.g. 80 mm diameter steel). All sections of the smoke duct must be accessible for inspection. The chimney pots and smoke ducts connected to the solid fuel appliances must be cleaned once a year (verify whether a specific legislation exists in your country). Failure to regularly inspect and clean the stove increases the probability of a fire occurring in the chimney pot. In that case, proceed as follows: Do not use water to extinguish the fire; Empty the pellet hopper; Contact specialist personnel before reigniting the stove.

TYPICAL EXAMPLES

Fig. 1

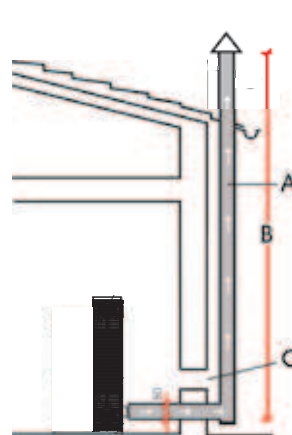
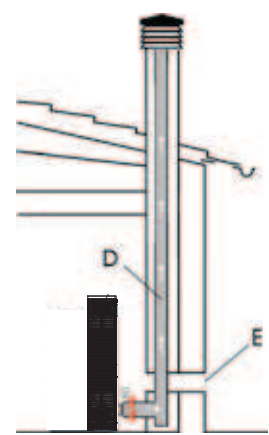


Fig. 2



- A: insulated steel flue
- B: minimum height of 1.5 m and in any case above the height of the roof gutter
- C-E: air intake from inside room (minimum internal section: 80 cm²)
- D: steel flue, inside existing brick-built chimney.

CHIMNEY POT

The main characteristics are:

- an internal cross-section at the base, which is the same as that of the chimney flue
- an outlet cross-section which is no smaller than twice that of the chimney flue
- its position must be high enough to catch the wind and avoid downdraft areas in turbulent wind, it must be high enough to catch the wind and avoid downdraft areas in turbulent wind.

INSTALLATION

HOT AIR CIRCULATION

The supply of warm air in the room where the stove is installed is provided via a grille installed in the right semi-top.

alternatively, nancy is also equipped with a duct system that allows conveying the hot air to the room of installation and the adjacent room simultaneously.

the stove can be configured so that the hot air is channelled from the top, side or right using the dedicated connecting sleeves (A - B) found in the package.

CONNECTING THE WARM AIR OUTLET ON THE TOP (fig. 1)

- Remove the diaphragm (C2 - Fig. 1) pre-cut in the lid (C - Fig. 1) supplied separately.
- Using the screws supplied, fix the connecting sleeve (A - fig. 1), supplied separately.
- Put the lid back in place C
- Fit the hot air conveyor pipe on the sleeve (A) through the hole obtained on the lid C.

CONNECTING THE WARM AIR OUTLET ON THE RIGHT SIDE (fig. 2)

- Remove the cast iron cap on the upper part of the side.
- Remove the diaphragm (D - fig. 2) pre-cut on the metal support inside the hole of the cast iron cap.
- Using the screws supplied, fix the connecting sleeve (A - fig. 2 supplied separately). Fit the hot air conveyor pipe onto the connecting sleeve supplied separately (A - fig. 2) passing it through the cast iron hole.
- In this case the cast iron cap is not longer used.

CONNECTING THE WARM AIR OUTLET ON THE BACK (fig. 2-3)

- Remove the lid on the rear outlet (E -fig.2) and fix it in the new position (E - fig. 3).
- Install the dedicated connecting sleeve supplied separately (B -fig.3) and connect the hot air conveyor pipe.

WARM AIR DISTRIBUTION CONTROL

The distribution of the hot air can be manually adjusted using lever L accessed by lifting up the upper left cast iron semi-top (fig. 4).

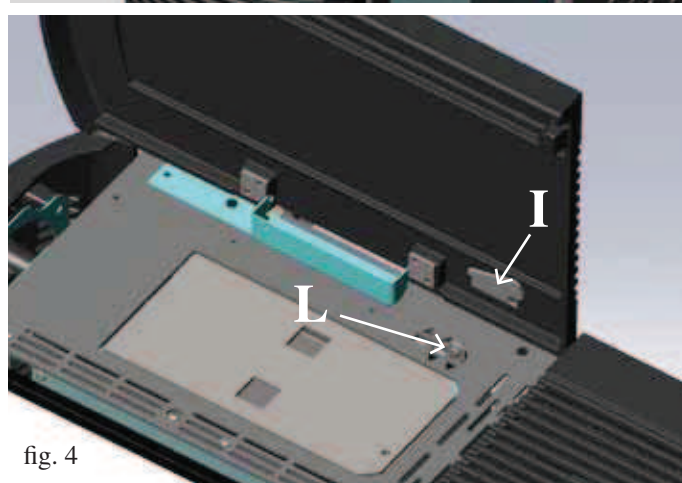
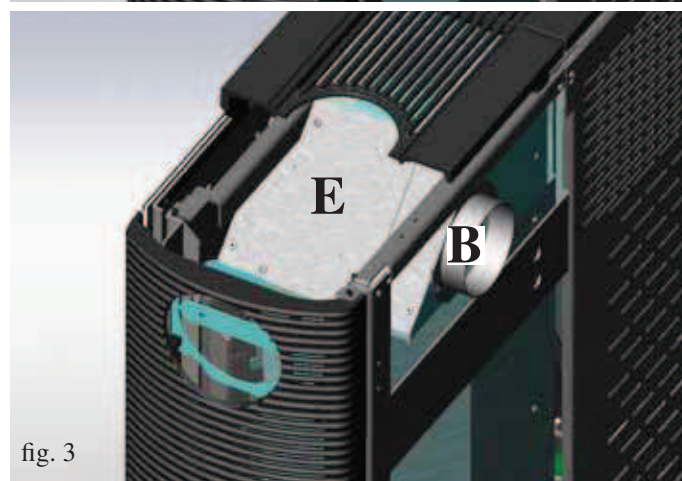
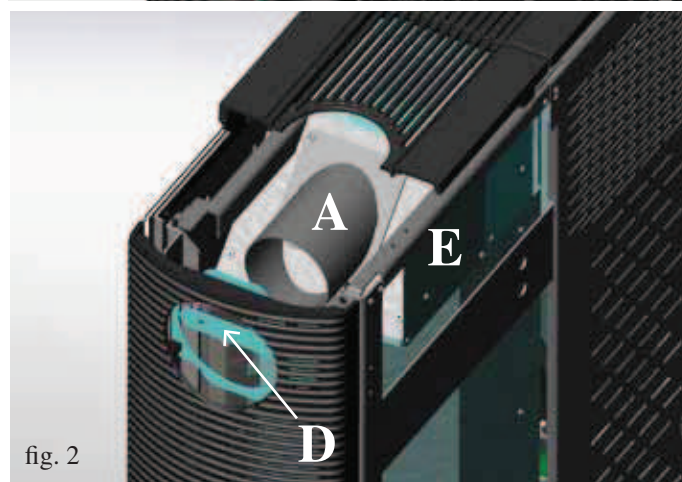
N.B. in order to operate the control lever you must remove the security plate (I - fig.4).

It is possible to channel all of the warm air into the room where the stove is installed (lever fully to the right), all of the air into the adjacent room (lever fully to the left) or partially to both rooms (lever in the central position).

An optional KIT 8 is available in order to channel the warm air (see page 29).

NOTE:

- 1) Insulate the pipe in which the hot air passes in order to avoid heat dispersion.
- 2) Avoid bends in the hot air piping as much as possible.
- 3) It is recommended you create a duct no greater than 3m in length and with a maximum of 2 bends.



INSTALLATION

SMOKE EXHAUST

NANCY is design to have the smoke exhaust pipe connected to the top, the back or the right side. The stove is supplied already set up for a top-connecting smoke exhaust pipe.

CONNECTING THE SMOKE EXHAUST PIPE ON THE TOP

To complete connection simply fit a stainless steel chimney flue with an 8 cm diameter (not supplied) on the elbow joint (G fig.5) which is already mounted on the stove and accessible by opening the right glass door (fig. 5).

NOTE: An inspection lid for cleaning (H) is located on the elbow joint (G).

In this case you must use the pre-cut lid provided separately (C - fig. 1 on pg. 27), removing the diaphragm C2, instead of the uncut lid supplied.

CONNECTING THE SMOKE EXHAUST PIPE ON THE BACK

- Loosen the locking clamp (F-fig. 5) of the elbow joint and rotate it by 90 degrees.
- Connect the stainless steel chimney flue with an 8 cm diameter, passing it through the pre-cut hole on the lower part of the sheet metal back

CONNECTING THE SMOKE EXHAUST PIPE ON THE SIDE

- Remove the elbow joint (G - fig.6)
- Remove the cast iron cap on the lower part of the side.
- Remove the pre-cut diaphragm on the metal support inside the hole of the cast iron cap
- Fit the stainless steel chimney flue with an 8cm diameter on the connecting sleeve (F - fig. 7) passing it through the cast iron hole.
- In this case the cast iron cap is not longer used.
- The elbow (G) can be used externally to collect condensation.



fig. 5



fig. 6



fig. 7

AIR INTAKE

An air intake duct connected to the outside with a minimum diameter of 80 cm² must be pre-set on the back of stove in order to guarantee sufficient air supply to the stove for combustion.

A hole (U - fig. 9) is pre-set on the back of the stove for attaching the duct.

Open the left front door (fig. 8), detach the flexible pipe (T) from its support (S) and push it through the hole (U) on the back of the stove.

Connect the external air intake duct to the hole until reaching the outdoors.

The external air intake duct must be less than 1 metre in length, have no bends and must end with a 90° downwards section or a wind guard.

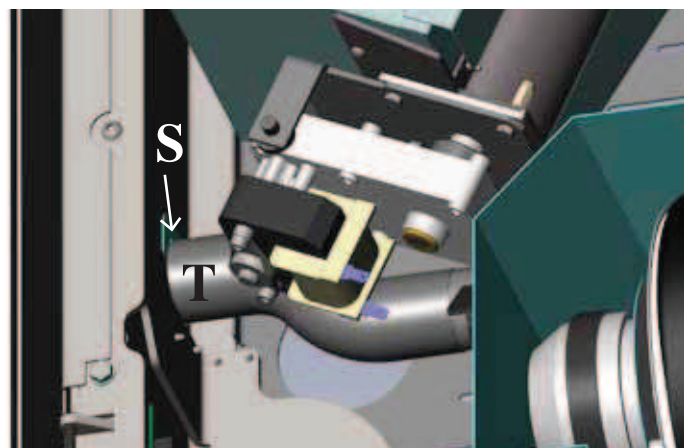


fig. 8

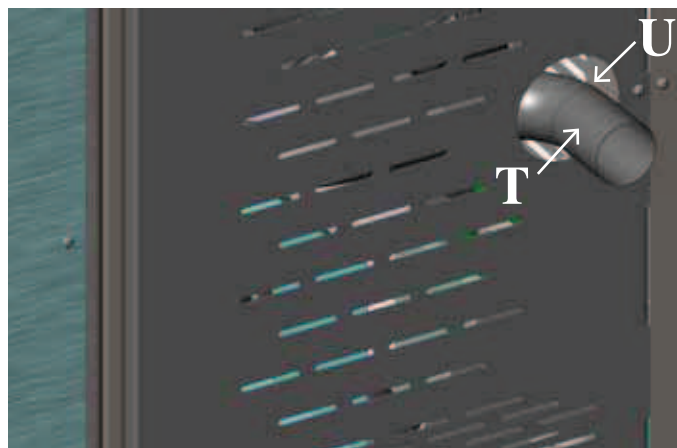


fig. 9

INSTALLATION

KIT 8 (CODE 297360)

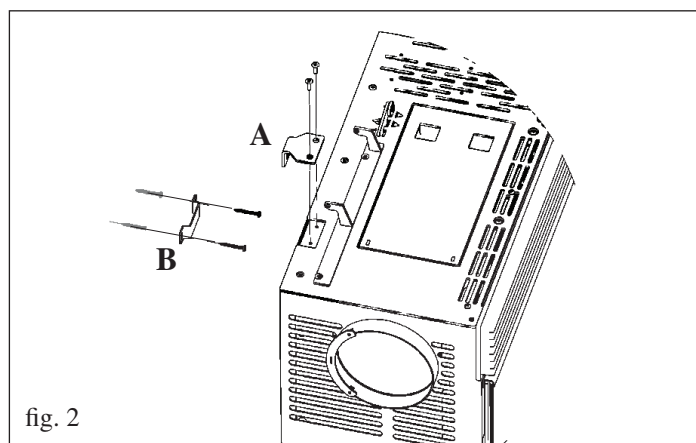
NOTE: THE FIRST PART OF THE FLEXIBLE PIPE MUST BE COMPLETELY “RELAXED” IN SUCH A WAY TO ELIMINATE CORRUGATION. IN THIS WAY, THE INTERNAL DIAMETER WILL BE SLIGHTLY ENLARGED TO FAVOUR ENTRANCE.

- Define the position of the stove with respect to the walling (fig. a).
- Enable the hot air channelling control lever (see page 39).
- Place the stove in its final position and fasten it to the wall using the supplied brackets (A and B) or, if necessary, an alternative system that will ensure the stove's stability (see fig. 2).
- Extend the aluminium pipe (2 - fig.1) for hot air channelling, without connecting the stove outlet.
- Fit the aluminium pipe to the hot air outlet (A).
- Install the terminal outlet (3) and its aluminium pipe (2).

Properly insulate the pipe in which the hot air passes in order to avoid heat dispersion.



KIT 8	n°	code
Pipe blocking clamp	2	46160
Ø 10 pipe	1	162520
Smoke outlet tend-piece	1	293430



EXAMPLES OF WARM AIR CHANNELLING AND SMOKE EXHAUSTS



INSTRUCTIONS FOR USE

1st ignition/test by the Edilkamin authorised Dealer

Start-up must be carried out as prescribed by point 3.21 of standard UNI 10683.

This standard indicates the control operations to be carried out in situ, aimed at ascertaining correct system function.

Before igniting.

You must consult the Edilkamin DEALER in your area when igniting the stove for the first time, in order for the stove to be calibrated according to the type of pellets and installation conditions, thereby validating the warranty.

There may be a slight smell of paint the first few times it is ignited, however, this will disappear quickly.

Before igniting you must check:

- that installation is correct
- the power supply
- that the door closes properly to a perfect seal (inner righthand door).
- that the combustion chamber is clean
- that the display is on standby (the date, power or temperature flashes).

Filling the pellet hopper

To access the hopper, open the left cast iron semi-top (A - fig.1) and remove the lid underneath (B - fig. 2).

NOTE:

1) gently accompany the semi-top during opening and closing.

2) use the glove supplied when filling the stove whilst it is running and therefore is hot.

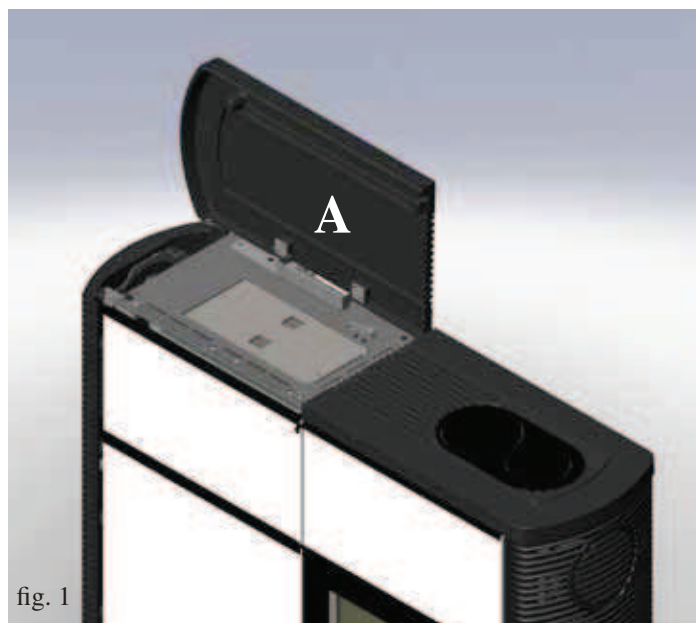


fig. 1

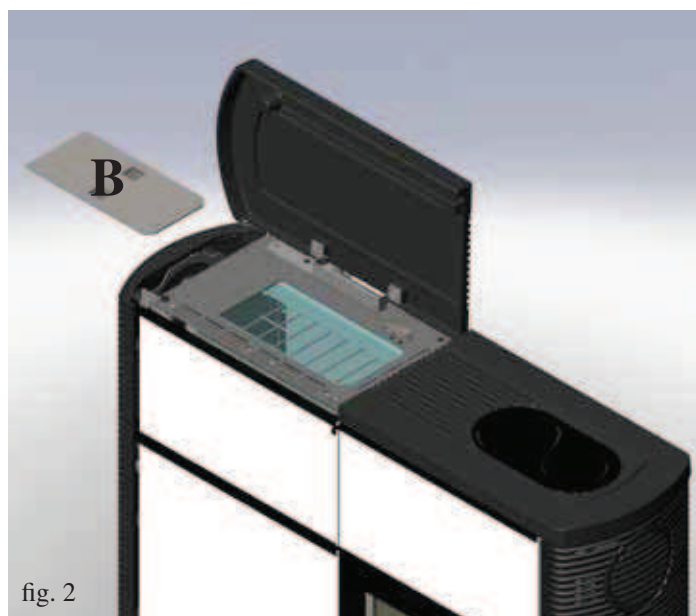


fig. 2

NOTE regarding the fuel.

NANCY is designed and programmed to burn wood pellets with 6 mm diameter.

Pellets are a type of fuel in the form of little cylinders, made from compacted sawdust, compressed under high pressure with no adhesives or foreign materials.

They are sold in bags of 15 kg.

For the stove to function properly, you **MUST NOT** burn anything else in it. Using other materials (including wood) will render the warranty null and void. Such use is detected by laboratory analyses. Edilkamin has designed, tested and programmed their stoves to guarantee the best performance when pellets with the following characteristics are used:

diameter: 6 millimetres

maximum length: 40 mm

maximum moisture content: 8%

calorific value: at least 4300 kcal/kg.

If pellets with different characteristics are used, the stoves must be recalibrated a similar procedure to that carried out by the DEALER when the stove is ignited the first time.

Using unsuitable pellets may: decrease efficiency; cause malfunctions; stop the stove from functioning due to clogging, dirt on the glass, unburnt fuel, etc.

A simple, visual analysis of the pellets may be carried out:

Good quality: smooth, uniform length, not very dusty.


Poor quality: with longitudinal and transverse cracks, very dusty, various lengths and mixed with foreign matter.

INSTRUCTIONS FOR USE

REMOTE CONTROL

This controls all the functions.

Key to buttons and display:

-  : to turn off and on (to go from remote control on stand-by to remote control on)
- +/- : to increase/decrease the various regulations
- A : to select Automatic function
- M : to select Manual function and access the control and programming menus



- icon flashing: remote control searching for network
- icon fixed: remote control with connection enabled



keypad locked (press "A" and "M" in parallel for a few seconds to lock or unlock the keypad)



flat battery (3 mini alkaline batteries type AAA)



programming enabled



alphanumeric display consisting of 16 figures arranged in two lines of 8 figures



- icon flashing: stove turning on
- icon fixed: stove working



manual adjustment function (display shows working power)



automatic function (display shows temperature)



The display also shows other useful information in addition to the icons described above.

- Stand-by position:

shows room temperature (20°C), kg of pellets (15 kg) remaining in tank and current time (15.33)

- Manual work phase:

shows power set (Power 1), room temperature (20°C), kg of pellets and autonomy remaining (15 kg 21 hrs)

- Automatic work phase:

shows temperature set (Set 22°C), room temperature (20°C), kg of pellets and autonomy remaining (15 kg 21 hrs).

DO NOT PRESS THE BUTTON MORE THAN ONCE .

Note: If the radio control is not used for a few seconds, the display will go dark as it has moved into the power saving function. The display can be reactivated by pressing any button.


INSTRUCTIONS FOR USE

Filling the cochlea.

The first time you use the product, or should the tank be completely emptied of pellets, to fill the cochlea press both keys “+” and “-” on the remote control at the same time, holding for a few seconds. As you release the keys, the display should show the wording “LOAD”. This should be carried out before ignition if the stove has stopped due to having run out of pellets, at the end of operation to empty the combustion pot before turning.


It is quite normal for some pellets to remain, that the cochlea cannot suction.

Automatic igniting.

With the stove on stand-by, press and hold the key , on the remote control for 2 seconds. This will start-up the ignition procedure, showing the wording “START”. At the same time, a countdown in seconds begins (from 1020 to 0). Ignition is not at a preset time, however: its duration is automatically shortened if the board reports that certain tests have been passed. The flame appears after about 5 minutes.

Manual igniting.

Temperatures of below 3°C will not allow the electrical resistance to heat sufficiently. In this case, or should the resistance be temporarily out of action, Diabolina® type fire-starters can be used.

Insert a piece of lit Diabolina into the combustion chamber, close the door and press  the remote control.

POWER REGULATION


• Remote control manual operation

With the stove working, press the key “M” on the remote control once. The display will show the word “POWER P” (specifying the power at which the insert is working). Press the keys “+” or “-” to increase or decrease the insert’s working power (from “POWER P1” to “POWER P5”).

• Remote control automatic operation

Press key “A” to switch to automatic operation, adjusting the temperature desired for the room (use the “+” and “-” keys to set the temperature from 5°C to 35°C, and the stove will regulate working power required to reach the temperature set. If a temperature below that of the room is set, the insert will stay on “POWER P1”).

Turning off

With the stove running, press and hold the key  from the remote control for 2 seconds. The turn-off procedure will begin, showing a countdown on the display from 9 to 0 (for a total of 10 minutes).

The turn-off phase involves:

- Interruption of pellet supply
- Maximum ventilation.
- Smoke expulsion motor.

Never pull the plug out whilst the device is still in the process of turning off.

OPERATIONS THAT CAN ONLY BE CARRIED OUT BY REMOTE CONTROL

Clock regulation

Press and hold the key “M” for 2 seconds to access the “Clock” menu. This allows you to set the internal electronic board clock. By then pressing the key “M”, the following data appears in sequence and can be regulated: day, month, year, hour, minutes, day of the week.

The wording “SAVE??” will appear for confirmation with “M”. This will allow you to check that the operations performed are correct, prior to completion (the wording “SAVE” will then be shown on the display).

INSTRUCTIONS FOR USE

Weekly timer

Press and hold the “M” key on the remote control for 2 seconds. This turns on the clock regulation and by pressing the ‘+’ key, the weekly timer function is accessed, with the display showing the description “PROGRAMM ON/OFF”.

This function allows you to set a number of times the insert turns on and off per day (up to a maximum of three), each day of the week.

As you confirm the display with the key “M”, one of the following options will appear:

NO PROG. (no programme set)

DAILY PROGRAM (single programme for every day of the week)

WEEKLY PROGRAM. (specific programme for each day individually)

Use the “+” and “-” keys to switch between programmes.

Use key “M” to confirm the option “DAILY PROGRAM” to choose the number of programmes (turn on/off) to be carried out per day.

Use the “DAILY PROGRAM” to set identical programme/s for every day of the week.

By then pressing the “+” key, the following can be seen:

- Prog. no.

- 1st prog. (one turn on and one turn off per day), 2nd prog. (identical), 3rd prog. (identical)

Use the “-” key to show in reverse order.

If the 1st programme is selected, the turn on time is shown.

The display shows: 1 “ON” at 10 Use the “+” and “-” key to change the hour. Confirm with the “M” key.

The display shows: 1 “ON” at 30 Use the “+” and “-” key to change the minutes. Confirm with the “M” key.


The same applies for the turn-off time to be set and for subsequent turning on and off.

Confirm by pressing “M” and the wording “SAVE??” will appear on the display.

When confirming “WEEKLY PROGRAM”, you will need to choose the day to which the programming is to apply:

1 Mon ; 2 Tues; 3 Wed; 4 Thurs; 5 Fri; 6 Sa; 7 Sat

Once you have chosen the day, use the “+” and “-” key and confirm with the “M” key, to programme in the same way as for the “DAILY PROGRAM”, choosing whether or not to enable a programme for each day of the week, and if so choosing number of interventions and at what times.

Should you make an error during programming, you can leave the programme without saving. As you press a key, , the display will show the word “no SAVE”.

Changing pellet loading

Press the “M” button for two seconds from the radio control and scroll the display instructions with the “+” and “-” buttons. You will come across the message “User menu” and when you confirm, the message “ADJ-PELLET and ADJ-DRAUGHT” will appear.

If we set “Auto-adjust. ON”, the system will automatically adjust pellet dropping. Alternatively, if we set “Auto-adjust. OFF,” we can manually correct pellet dropping, varying the range in terms of percentages (+/- 30 %).

By confirming this function with the menu key, you can access the function to adjust pellet loading. By decreasing the value set, pellet loading is decreased. By increasing the value set, pellet loading increases. This function is useful if changing the pellet type for which the stove has been calibrated and loading therefore needs correcting.

Should this correction not suffice, contact the Edilkamin-authorized Dealer, to establish the new operating axis.

Notes on flame variability

Flame status may vary depending on the type of pellet used, in addition to normal solid fuel flame variability and regular combustion chamber cleaning carried out automatically by the boiler.

(N.B.: which does NOT replace necessary cold suction by the user prior to ignition).

RESERVE WARNING

The stove is fitted with an electronic function that detects the residual quantity of pellets in the tank.

The detection system is integrated into the electronic board, allowing you to see how many hours and kg are left until pellet exhaustion, at all times. For correct system function, it is important that the following procedure is followed during the first ignition (by the Dealer).

INSTRUCTIONS FOR USE

Pellet reserve system

Before enabling the system, you need to load a sack of pellets into the tank and use the stove until the loaded fuel has run out. This allows for a short system road test.

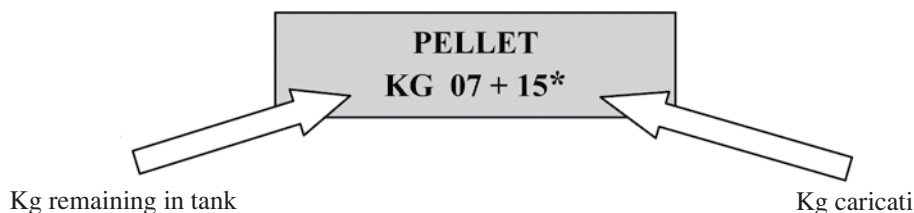
After this, the tank can be filled completely and the stove started up.

When running, at the time at which a whole 15 kg sack of pellets can be loaded, the display will show the word “Reserve” flashing.

At this point, after having poured in a sack of pellets, you need to ‘inform’ the memory that you have loaded 15 kg.

To do so, proceed as follows:

1. press the “M” key (for approximately 3-4 seconds) until the word “Clock” appears.
2. press the “+” key until the word “Reserve” appears.
3. press the “M” key until the following screen appears,



then use the “+” key to take the figure (*) to the value equal to the Kg of pellets loaded (15 kg in the above example).

4. press the “M” key to confirm
5. press the key  to exit.

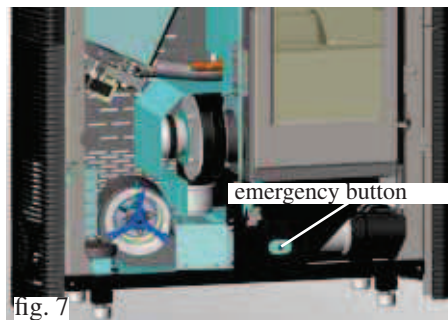
After having completed the above procedure, after having consumed the 15 kg, the wording “Reserve” will appear flashing at intervals. After which the operation must be repeated, from point 1 to point 5.

EMERGENCY BUTTON

Should the remote control be broken, the basic functions can also be accessed by means of a red emergency button located under the external hatch, on the left (see fig. 7).

To press the button once or more to enable the function desired:

1. A STOVE OFF
by pressing the red button for 2 seconds this turns on.
2. A STOVE ON
by pressing the red button for 2 seconds this turns off.
3. A STOVE ON
manual mode, by pressing the red button, you go from P1 to P3.
4. A STOVE ON
automatic mode, by pressing the red button, you go from 5°C to 30°C.



RADIO ANTENNA

Stove dialogues with the remote control by means of radio waves. The radio signal is received by the radio control by means of a small antenna beneath the external hatch (see fig. 7).



INFORMATION FOR USERS

In accordance with Art. 13 of the Legislative Decree No. 151, dated 25 July 2005, “Implementation of Directives: 2002/95/EC, 2002/96/EC and 2003/108/EC, pertaining to the reduction of hazardous substances used in electrical and electronic equipment, as well as disposal of waste”. The crossed-out wheeled bin symbol shown on the equipment or on the packaging indicates that the product must be disposed of separately at the end of its useful life. Therefore, at the end of the equipment’s useful life, the user must hand in the equipment to suitable collection facilities for electrical and electronic waste, or return it to the retailer when a new, equivalent appliance is purchased in a ratio of one to one.

MAINTENANCE

Before performing any maintenance, disconnect the appliance from the mains.

Regular maintenance is required for the stove to function correctly.

FAILURE TO KEEP UP REGULAR MAINTENANCE DOES NOT allow the stove to function properly.

Any problems resulting from lack of maintenance will immediately void the warranty.

TO ACCESS ALL ELECTRICAL AND MECHANICAL PARTS EASILY SIMPLY OPEN THE LEFTHAND DOOR OF THE STOVE. THE DOOR IS HELD FIRMLY SHUT WITH A SCREW, WHICH MUST ONLY BE REMOVED FOR INSPECTION PERFORMED BY THE TECHNICAL ASSISTANCE CENTRE.

DAILY MAINTENANCE

Operations must be performed when the stove is off, cold and unplugged from the power supply

- Must be performed using a vacuum cleaner (see optional extras page 39).
- The whole procedure takes up a few minutes every day.
- Open the righthand door, remove the combustion chamber (1 - fig. A) and empty the residue out into the ash pan (3 - fig. C).
- **DO NOT EMPTY THE RESIDUE OUT INTO THE PELLET HOPPER.**
- Take out the ceiling (2 - fig. B) and empty the residue out into the ash pan (3 - fig. C).
- Take out and empty the ash pan (3 - fig. C) into a fireproof container (the ash may still contain hot parts and/or embers).
- Remove the combustion chamber or use the spatula to scrape it and clean out any blocked holes on all sides
- Remove the combustion chamber (1 - fig. A) and scrape with a spatula. Clean any obstructions in the apertures.
- Vacuum the combustion chamber holder, clean the edges where the combustion chamber is lodged into its seat.
- Clean the glass, if necessary (when cold).

Never vacuum hot ash, it can make the vacuum cleaner breakdown and puts the household rooms at risk of fire



fig. A



fig. B



fig. C

MANUTENZIONE SETTIMANALE

- Involves cleaning the hearth (with a swab) once the ash pan has been removed (3 - fig. C).
- empty the pellet hopper and clean the base with the vacuum cleaner.
- Clean with the swabs (4 - fig. D), vacuum out the 3 pipes below (5 - fig. E)
- Clean out the combustion chamber and smoke extractor (6 - fig. E).

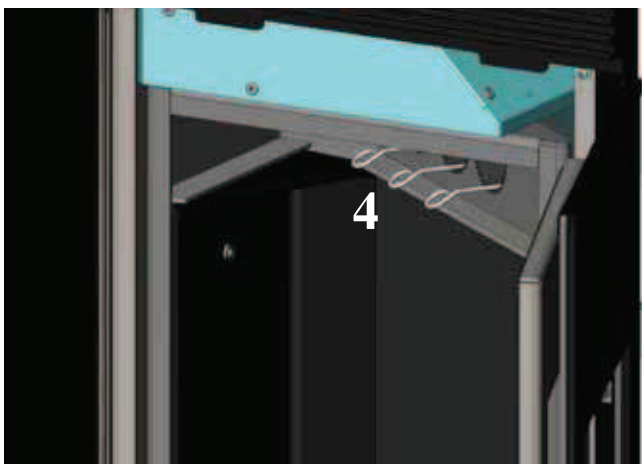


fig. D

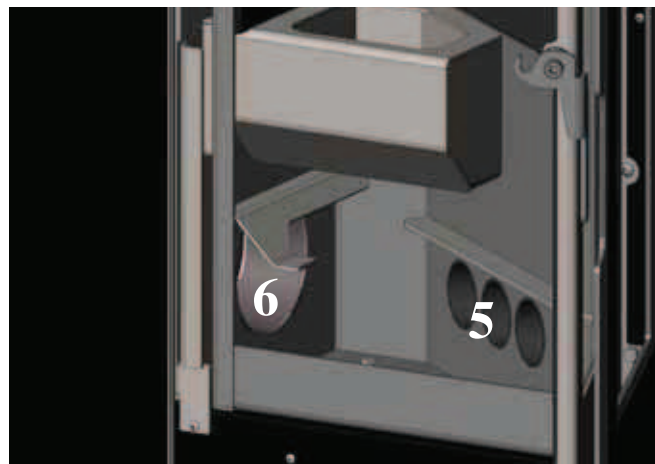


fig. E

MAINTENANCE

SEASONAL MAINTENANCE (implemented by the DEALER)

Consists in:

- Clean the stove internally and externally
- Carefully clean the heat exchange tubes
- Carefully clean and remove dirt from the combustion chamber and the relative compartment
- Clean fans, verify mechanical and clamp loosening
- Clean smoke channel (replace seals on smoke exhaust pipe)
- Clean smoke duct (see weekly cleaning)
- Clean smoke extraction fan compartment, flow sensor and check thermocouple.
- Clean, inspect and scrape any residue from the ignition resistance compartment and if necessary, replace it
- Visually inspect the electrical wires, connections and power cable
- Clean the pellet hopper and check loosening of the feed screw - gear motor assembly
- Replace the door seal
- Functionality test: load the feed screw, ignite, let it run for 10 minutes and shutdown

If the stove is used very often, it is recommended to clean the smoke channel every 3 months.

ATTENTION !!!

After implementing a normal cleaning procedure, **INCORRECT** coupling of the upper (A) (figura 1) and lower (B) (figura 1) combustion chambers can compromise the stove's performance.

Before igniting the stove, make sure the combustion chambers are correctly paired as indicated in (fig. 2) without ash or unburnt material present on the support perimeter.

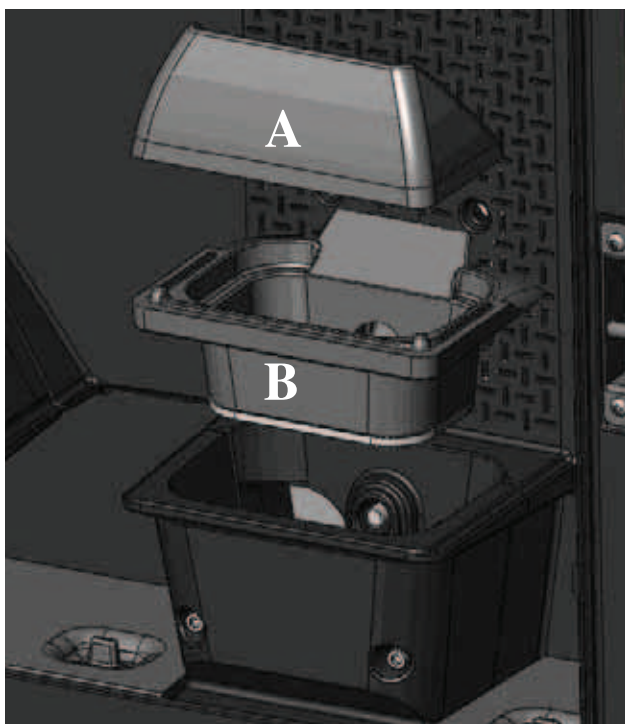


fig. 1



fig. 2

POSSIBLE TROUBLESHOOTING

In the event of problems the stove stops automatically and runs the shutdown process and the display shows text regarding the motivation of the shutdown (see the various alarms below).

Never pull the plug during shutdown on account of malfunction.

Should it block, to restart the stove you will need to allow the turn-off procedure to take place (600 seconds with audible signal), and then press the button .

Do not turn the stove on again before checking the cause of the malfunction and CLEANING/ EMPTYING the crucible.

INDICATION OF POSSIBLE CAUSES OF MALFUNCTION AND INDICATIONS AND REMEDIES:

- 1) **Signalling:** **Verific./air flow:** (intervenes if the flow sensor detects insufficient combustion).
Problem: **Turns off for lack of depression**
Air flow may be insufficient because the door is open, the door does not close properly (e.g. bad seal), there is an air intake or smoke extraction problem, or the combustion chamber is clogged.
Actions: Check:
 - door closure;
 - combustion air intake duct (clean, paying attention to the flow sensor components);
 - clean the flow sensor with dry air (like that used for PC keyboards);
 - stove location: it must not be installed against a wall;
 - combustion chamber position and cleanliness (clean regularly according to the type of pellet);
 - smoke duct (clean);
 - installation (if it does not comply with regulations or the smoke outlet has more than 2-3 bends);If you suspect the sensor is malfunctioning, carry out cold tests. If the conditions are changed (for example by opening the door) and the value does not change, there is a sensor problem.

N.B.: The no depression alarm may also occur during ignition, since the flow sensor starts monitoring 90 seconds after the ignition cycle begins.
- 2) **Segnalazione:** **Signalling: Verific./extract.:** (this trips if the smoke extraction speed sensor detects a fault)
Problem: **Shutdown for smoke extraction speed fault detection**
Actions:
 - Check smoke extractor function (devolution sensor connection) and board (DEALER).
 - Check smoke channel for dirt
 - Verify the electrical system and earthing system.
 - Check electronic circuit board (DEALER).
- 3) **Signalling:** **Stop/Flame:** (this trips if the thermocouple detects a smoke temperature lower than the value set, which it interprets as the absence of flames)
Problem: Turns off due to drop in smoke temperature
Actions:
 - lack of pellets
 - too many pellets have suffocated the flame, check pellet quality (DEALER)
 - the maximum thermostat has intervened (rare, this only intervenes in the event of excessive smoke temperature) (DEALER)
- 4) **Signalling:** **Block FI/NO Start:** (intervenes if a flame fails to appear within a maximum of 15 minutes, or if ignition temperature is not reached).
Problem: **Turns off due to incorrect smoke temperature during ignition**
Distinguish either of the following cases:
Flame does NOT appear
Actions:
 - Check: - combustion chamber position and cleanliness;
 - arrival of combustion air in the combustion chamber;
 - if the heating element is working (DEALER);
 - room temperature (if lower than 3°C use a firelighter) and damp.Try to light with a firelighter (see page 32).

Actions: **Flames appear, but AF appears on the display after Ar**
 - Check: (only by the Dealer)
 - if the thermocouple is working (DEALER);
 - start-up temperature setting in the parameters (DEALER).
 - Repeat start up after having emptying the brazier.
- 5) **Signalling:** **Black Out:** (not a defect of the stove).
Problem: **Turns off due to lack of electricity**
Actions:
 - Check electricity connection and drops in voltage.
- 6) **Signalling:** **Fault/RC:** (intervenes if the thermo coupling has failed or is disconnected).
Problem: **Turns off due to thermo coupling failed or disconnected**
Actions:
 - Check connection of thermo coupling to board: check function in cold test (DEALER).

POSSIBLE TROUBLESHOOTING

- 7) **Signalling:** smoke °C/high.
Problem: turns off due to exceeding maximum smoke temperature.
Actions:
- Check the pellet type
 - Check for anomalies with the smoke extraction motor
 - Check to see if there are any obstructions in the smoke channel
 - Check correct installation
 - Check gear motor “drift”
 - Check to make sure there is an air intake in the room
- 8) **Signalling:** “Battery check”
Problem: The insert does not stop but the error appears on the display.
Actions:
- The buffer battery of the control board needs changing (DEALER).
- 9) **Problem:** Remote control not working
Actions:
- closer to the receiver of the insert
 - check the battery and if necessary, replace it.
- 10) **Problem:** Outlet air not hot
Actions:
- clean heat exchanger from inside the firebox.
- 11) **Problem:** During ignition, the differential switch trips (DEALER):
Actions:
- check moisture content of ignition resistance
- 12) **Problem:** Does not ignite:
Actions:
- clean combustion chamber.

NOTA 1

All signals/warnings remain shown until you intervene on the remote control, by pressing the button .

Do not use the insert before having eliminated the problem.

NOTA 2

After 1000 kg of pellets consumed, the display flashes the wording ‘Mainten.’.

The stove works, but you must call the Dealer out to perform extraordinary maintenance.

CHECK LIST

To be integrated with a complete reading of the technical specifications

Positioning and installing

- Commissioned by a qualified DEALER who has issued the warranty and maintenance manual
- Room ventilation
- Only the stove outlet passes through the smoke channel/chimney flue
- The smoke channel has: a maximum of 2 curves, a maximum 2 horizontal metres
- Chimney pot that is high enough to avoid downdraft areas
- The discharge pipes are made of a suitable material (stainless steel is recommended)
- When using any flammable materials (e.g. wood), all precautions have been taken to prevent a fire hazard

Use

- Good quality, dry pellets are used
- The chimney pot and ash compartment are clean and well positioned
- The door is closed properly
- The combustion chamber is inserted properly into the relevant compartment

REMEMBER TO VACUUM THE COMBUSTION CHAMBER BEFORE EACH IGNITION
Should ignition fail, DO NOT re-ignite until you have emptied the combustion chamber.

OPTIONAL

TELEPHONE COMBINER FOR REMOTE IGNITION (code 281900)

The stove can be ignited remotely by asking the DEALER to connect the telephone combiner to the serial port behind the stove via the optional cable (code 621240).

CLEANING ACCESSORIES



GlassKamin
(code 155240)

Used for cleaning the
ceramic glass



Ash vacuum cleaner
without motor
(code 275400)

User for cleaning
the hearth



www.edilkamin.com

cod. 941001

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