

LOGO



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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 our website www.edilkamin.com. and click on DEALERS.

NOTE

- After having unpacked the stove, ensure that its contents are complete and intact (covering, "cold hand" handle, guarantee booklet, glove, CD/technical data sheet, spatula, dehumidifying salt, allen wrench).

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 the DEALER. 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

- 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 PELLETT STOVES, trademark EDILKAMIN, called LOGO

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 LOGO 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 LOGO stove produces hot air using wood pellets as fuel, with electronically controlled combustion. 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 at the back of the stove.

The hearth is covered in cast iron, and closed frontally by a glass ceramic door (to open use the dedicated “cold hand” handle”).

Fuel quantity, smoke extraction and combustion air supply are all controlled by an electronic control board, which is equipped with Leonardo® software to achieve high combustion efficiency and low emissions.

The synoptic panel (M) is installed on the top, through which all phases of operation can be displayed and controlled.

The main phases can be controlled via the optionally supplied remote control.

The main functions can also be controlled by remote control. A serial port is found at the back of the stove (optional cable: code 640560) to be connected to devices that allow remote ignition (e.g. remote telephone, local thermostat).

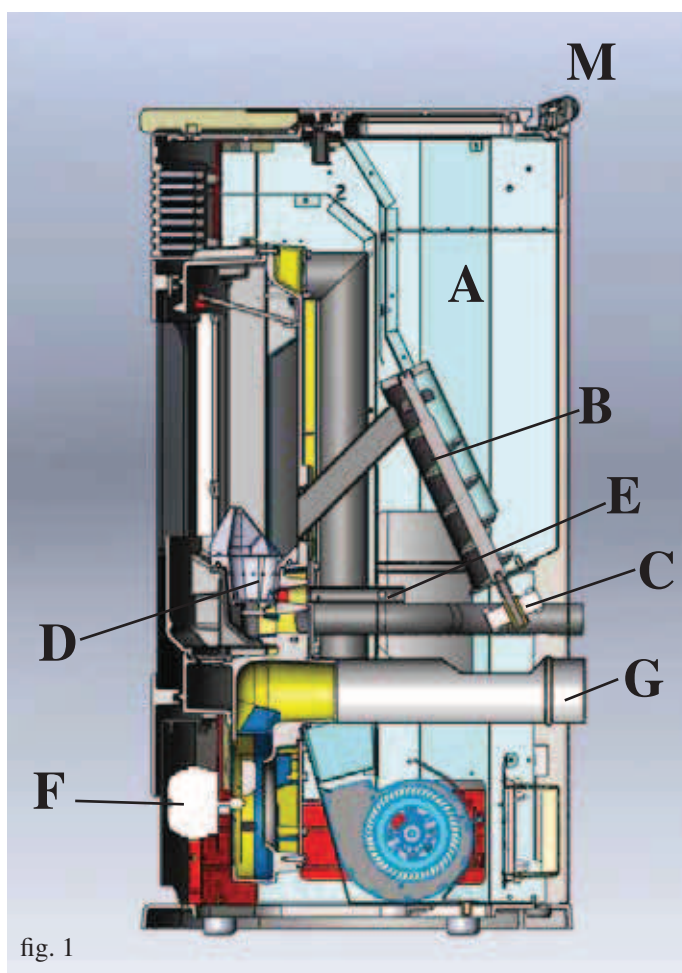


fig. 1

SAFETY INFORMATION

The LOGO stove is designed to heat, through automatic pellet combustion in the hearth, the room where it is installed, both by radiation and the air that comes out of the front grille.

- 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 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).

- The hearth and hopper parts must only be cleaned when COLD.

- The glass can be cleaned when COLD with a suitable product (e.g. GlassKamin Edilkamin) and a cloth.

- Do not clean when hot.

- Make sure the stove is installed and ignited the first time by Edilkamin-qualified CAT personnel (technical assistance centre) in accordance with the instructions provided here within; this is an essential requirement 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.

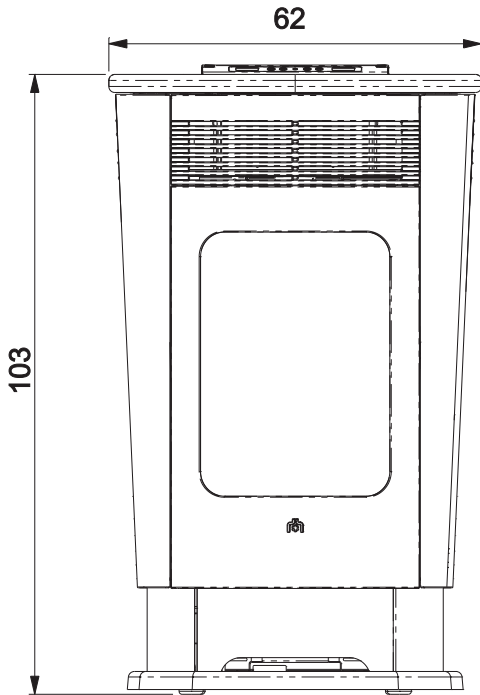
- **ATTENTION: THE PELLET EMPTIED FROM THE COMBUSTION CHAMBER MUST NOT BE DEPOSITED INSIDE THE HOPPER.**

DIMENSIONS AND FINISHINGS

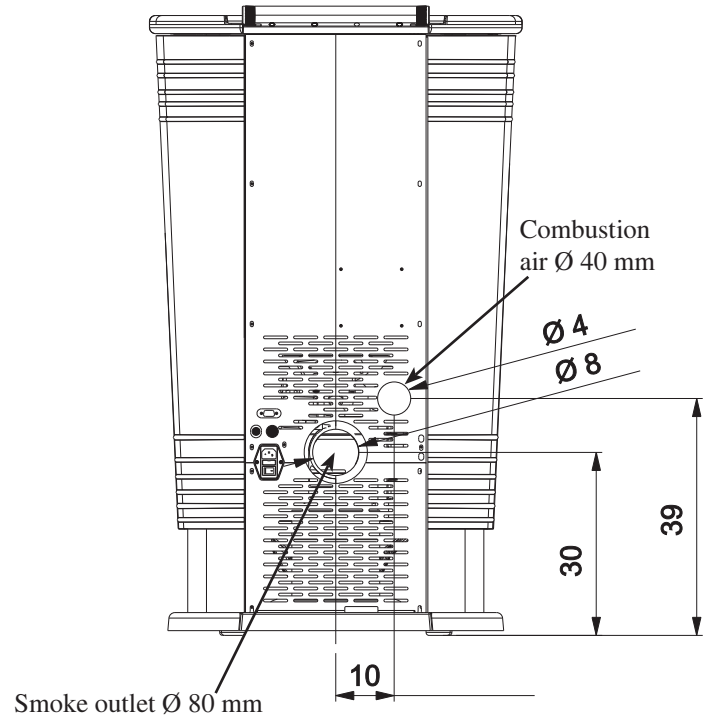
- sides, top in off-white ceramic
- sides, top in bordeaux ceramic
- sides, top in grey ceramic

ENGLISH

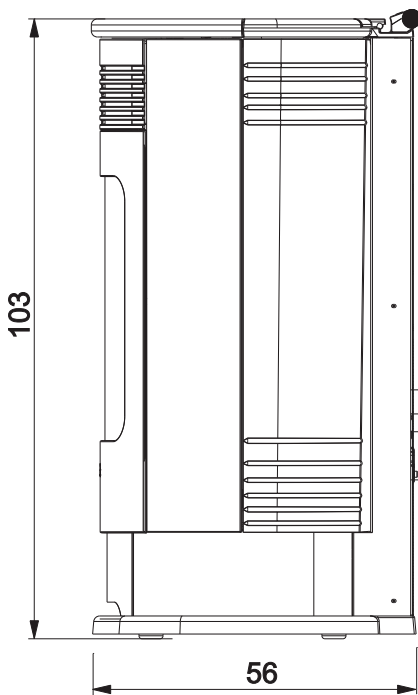
FRONT



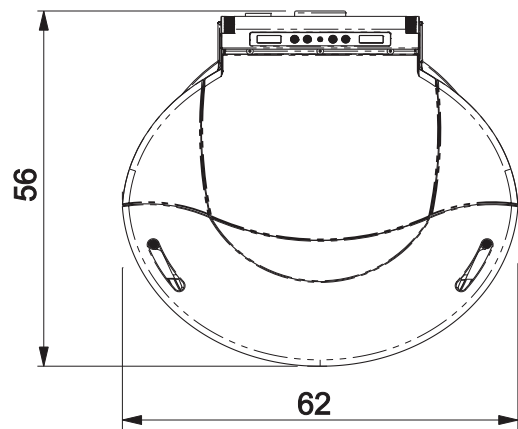
BACK



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.).

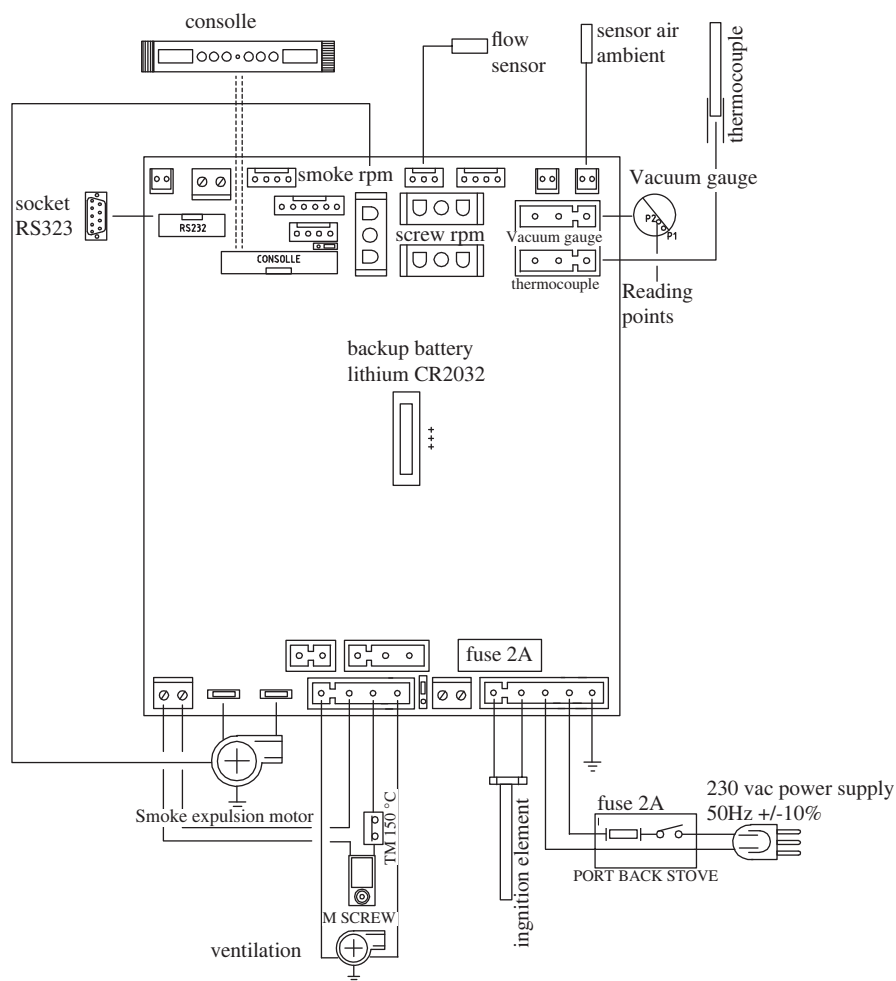
The standards for installation must be respected.

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



FUSE *

two fuses are inserted in the socket with switch, located on the back of the stove, one of which operational and the other is held in reserve.

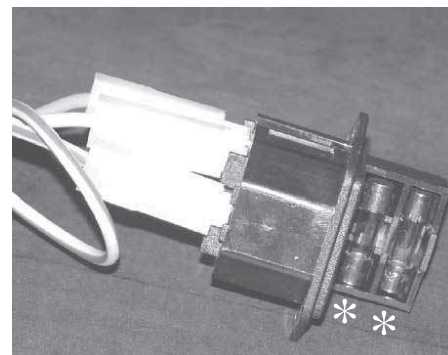
SERIAL PORT

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 640560).

BACKUP BATTERY

A backup battery is found on the control board (3-Volt CR 2032 battery). Its malfunction is indicated with the following messages (not considered a defect but due to normal wear-and-tear): "Battery check".

For more detailed information, please contact the DEALER who has performed the first ignition.



CHARACTERISTICS

THERMOTECNICAL CHARACTERISTICS		
Nominal power	9	kW
Efficiency nominal power	91	%
Emissions CO (13% O2) nominal power	0,012	%
Smoke mass nominal power	5,5	g/s
Reduced power	2,7	kW
Efficiency reduced power	92,8	%
Emissions CO (13% O2) reduced power	0,021	%
Smoke mass reduced power	2,1	g/s
Maximum overheated smoke	190	°C
Minimum draught	12	Pa
Autonomy (min/max)	10/35	hours
Fuel consumption (min/max)	0,6/1,9	kg/h
Hopper capacity	20	kg
Heatable volume *	235	m ³
Weight including packaging	202	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	
On/off switch	Yes	
Average power consumption	100	W
Power consumption during ignition	400	W
Remote control frequency (optional)	Infrared	
Protection on mains power supply* (see page 23)	2AT, 250 Vac, 5x20 Fuse	
Protection on electronic circuit board	2AT, 250 Vac, 5x20 Fuse	

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.

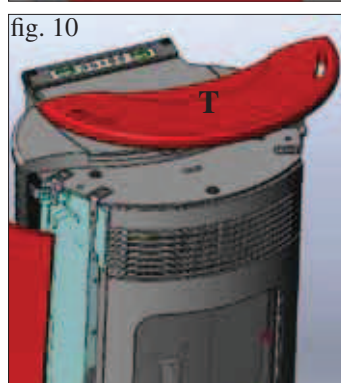
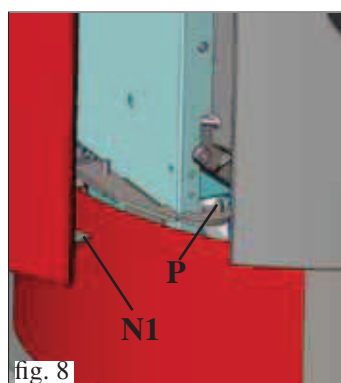
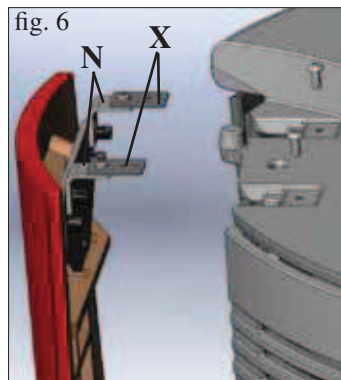
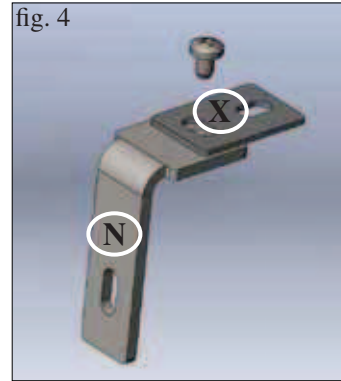
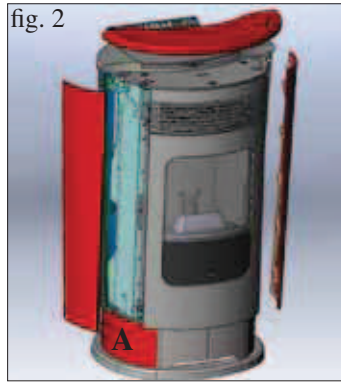
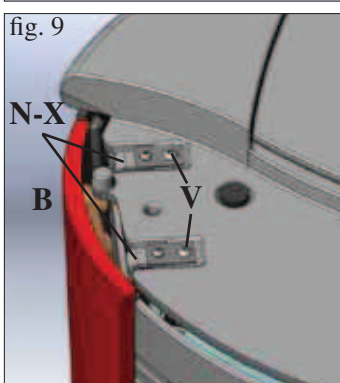
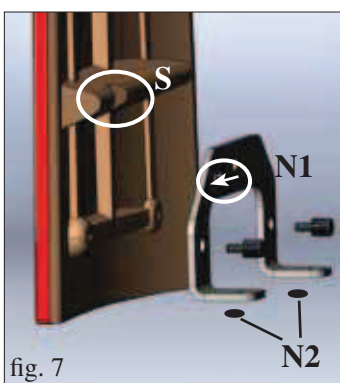
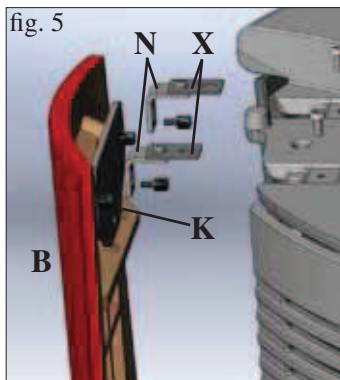
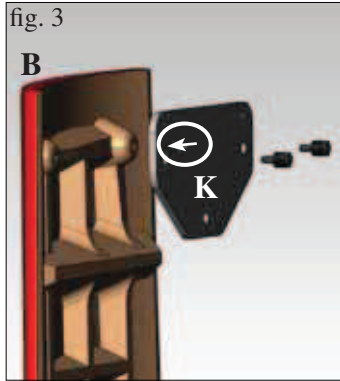
• AIR FLOW SENSOR:

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.

COVERING INSTALLATION



Hardware included:

- no. 2 upper brackets for ceramic fixing (K - fig. 3-4)
- no. 2 upper brackets for ceramic fixing (N1 - fig. 7)
- no. 4 Flat ceramic adjustment bracket (X - fig. 4)
- no. 4 Angle ceramic adjustment bracket (N - fig. 4)
- no. 4 Self-tapping screws 4,2 x 9,5
- no. 12 Knurled pins
- no. 4 Screws M5 x 8
- nr. 4 Rubber spacers (N2 - fig. 7)

Fig. 1
This figure represents the stove after it has been unpacked.

Fig. 2
The stove is delivered with the metal part of the lower side coverings (A) already assembled.

ASSEMBLY OF CERAMIC SIDE COMPONENTS

Fig. 3
- Apply the upper ceramic fixing brackets (K) on the top rear part of the ceramic panels, with the engraved arrow facing the front of the stove, securing them in the dedicated holes using the pins supplied.

Note.: the side ceramic components must be mounted with the lower groove facing the front of the stove (S - fig. 7). In addition, inside the LT or RT version is indicated.

Fig. 4
- Fix the flat ceramic adjustment bracket (X) to the angle ceramic adjustment bracket (N) using the 4.2 x 9.5 self-tapping screws supplied.

Fig. 5 - 6
- Apply the previously assembled brackets (N - X) on the upper ceramic fixing bracket (K), securing them in the dedicated holes using the pins supplied.

Fig. 7
- Apply the lower ceramic fixing brackets (N1) on the bottom rear part of the ceramic panels, with the engraved arrow facing the front of the stove, securing them in the dedicated holes using the pins supplied.

Fig. 8 - 9
- Flank the lower part of the ceramic side, fitting the lower ceramic fixing bracket (N1) on the pins (P) present on the frame of the stove.
- Complete the operation by joining the upper part of the ceramic side and screwing the brackets (X-N) into the holes on the top (use the M5x8 screws supplied -V).

ATTENTION: DURING OPENING MAKE SURE THE DOOR DOES NOT COME INTO CONTACT WITH THE SIDE CERAMIC ELEMENTS.

VERIFY THE CORRECT COUPLING OF THE SIDE CERAMIC COMPONENTS WITH THE CAST IRON SIDES, MAKING ANY NECESSARY ADJUSTMENTS USING THE SCREWS (V) AND THE BRACKETS (N-X). IF NECESSARY USE THE PADS (N2) SUPPLIED.

CERAMIC TOP ASSEMBLY

Fig. 10
Place the ceramic top (T) centring it in the housings on the cast iron top.

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.

Voltage variations exceeding 10% can damage the stove (unless already installed, an appropriate differential switch must be fitted). The electrical system must comply with the law; particularly verify the efficiency of the earthing system. The power line must have a suitable cross-section for the stove's power.

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

POSITIONING

The stove must be level for it to function correctly. Verify the bearing capacity of the floor.

FIRE PREVENTION SAFETY DISTANCES

The stove must be installed in compliance with the following safety conditions:

- medium flammability items must be kept at a minimum distance of 40 cm from the sides and back of the stove
- highly flammable items must be kept at a minimum distance of 80 cm if placed in front of the stove.

If it is not possible to comply with the above mentioned distances, technical and construction-related provisions must be taken to prevent fire hazards. If connected to wooden walls or other flammable materials, the smoke exhaust pipe must be appropriately insulated

AIR INTAKE

The room where the stove is located must have an air intake with cross section of at least 80cm² to ensure replenishment of the air consumed by combustion. Alternatively, the stove air may be taken directly from outside through a 4 cm steel extension of the pipe.

In this case, there may be condensation problems and it is necessary to protect the air intake with a grille, which must have a free section of at least 12 cm².

The pipe must be less than 1 metre long and have no bends. It must end with section at 90° facing downwards or be fitted with a wind guard. In any case all the way air intake duct must be a free section of at least 12 cm².

The external terminal of the air inlet channel must be protected with an anti-insect netting that does not reduce the 12 cm² through passage.

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 is discharged through the 8 cm diameter outlet at the back of the stove.

The smoke outlet must be connected to outside by means of suitable steel pipes EN 1856 certified. The pipe must be hermetically sealed.

The material used to seal and if necessary insulate the pipes, must be resistant to high temperatures (high temperature silicone or mastic).

The only horizontal section allowed may be up to 2 m long. It may have up to two 90° bends.

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

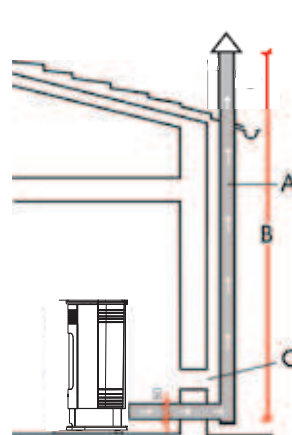
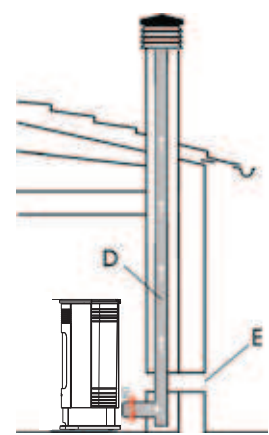


Fig. 2



- 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.

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
- that the combustion chamber is clean
- that the display is on standby (the date, power or temperature flashes).

FILLING THE PELLET HOPPER

The hopper lid opens and closes with a practical click-clack system. Simply apply slight pressure to the front part of the cast iron lid (fig. 1-2).

ATTENTION:

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

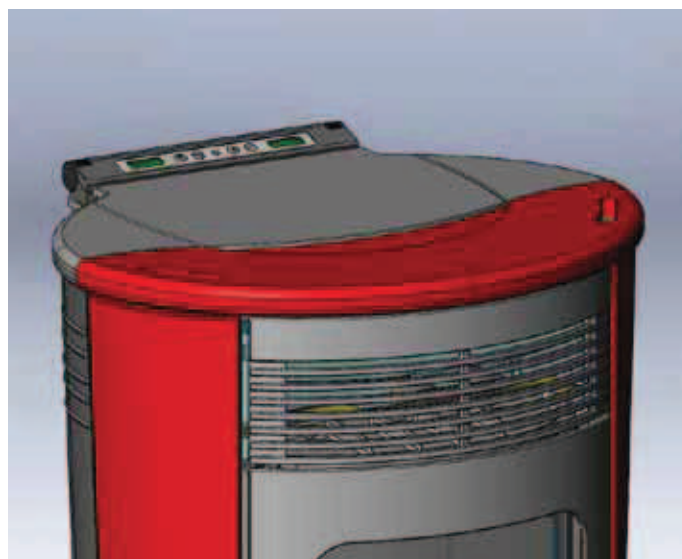


fig. 1

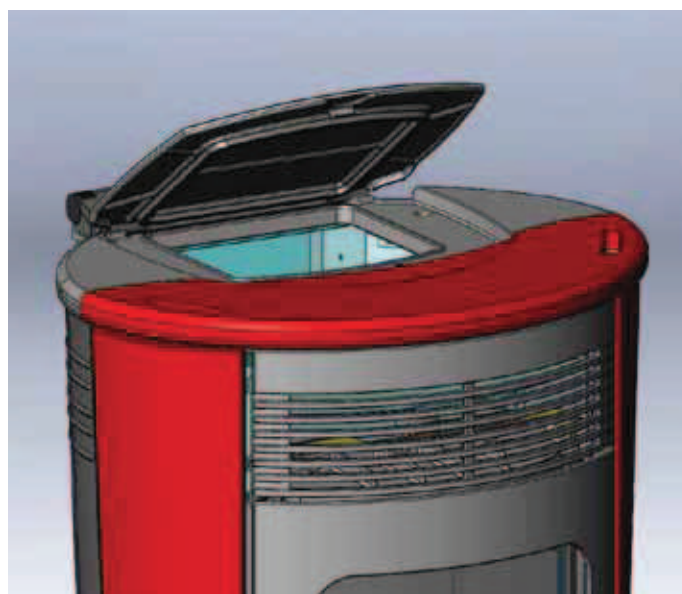


fig. 2

NOTE regarding the fuel.

LOGO 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

MIMIC PANEL


-  hold down for 2 seconds to turn stove on or off
-  opens the menu
-  increases the various settings
-  decreases the various settings
-  (pellet load/reserve key) pressed once it tells the stove that a 15 kg. sack of pellets has been loaded, enabling the reserve to be monitored

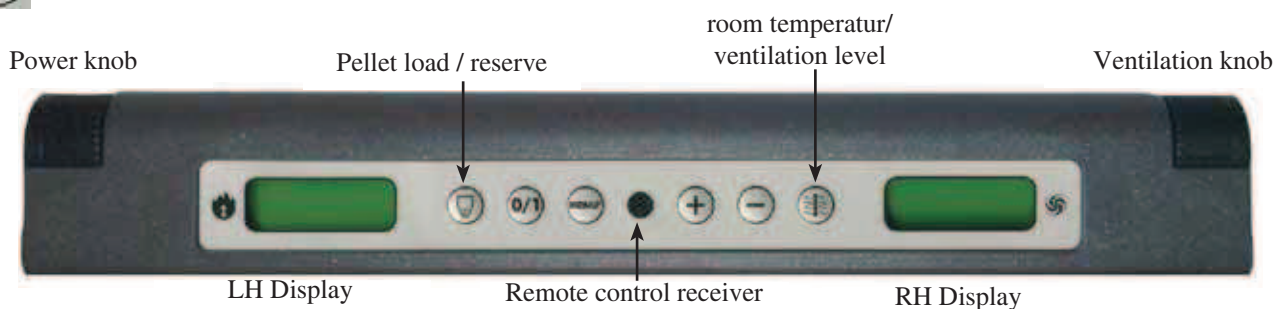
RH knob: to adjust ventilation (from 1 to 10)

LH knob: to adjust power (from 1 to 5)

The RIGHT DISPLAY shows the level of ventilation and channelling.

The LEFT DISPLAY shows the level of power or temperature and reserve or time and date.

-  displays the ambient temperature measured by the sensor or the power level of the fan (adjustable using the ventilation knob)



POSSIBLE VIEWS

STAND-BY

GG-MM-RR
HH:MIN

DATE

TIME

KG 00
HH:MIN

RESERVE

FAN AIR
SPEED 5

VENTILATION
LEVEL

MANUAL

POWER P3
+/-

POWER

TEMP. AIR
20.0 °C

ROOM
TEMPERATURE

AUTOMATIC

AUTO SET
29 °C

ROOM
TEMPERATURE

TEMP. AIR
20.0 °C

ROOM
TEMPERATURE

INSTRUCTIONS FOR USE

Loading the feed screw.

Should the pellet hopper empty completely the feed screw must be filled. To do so, keep the + and – keys pressed simultaneously for a few seconds (on the remote control or synoptic panel). Once released, 'REFILL' will appear on the display. This must be carried out before ignition if the stove has stopped due to the pellets having finished.

It is quite normal for some pellet residue to remain inside the hopper, this is what the feed screw is unable to pick up. Once a month, fully vacuum the hopper to prevent dusty residue from accumulating.

Automatic ignition

With the stove on standby, press the 0/1 button for 2 seconds (on the synoptic panel or remote control). This will startup the ignition process, 'Start' will appear on the display and a countdown will commence in seconds (1020). There is no preset time for the ignition process: its duration will be automatically shortened if the control board detects that certain tests have been carried out positively. The flame appears after about 5 minutes.

Manual ignition

At a temperature lower than 3 °C – too low for the electrical resistance to become red hot - or if the resistance is temporarily not working, you can use a firelighter to ignite the stove. Insert a well-lit firelighter into the combustion chamber, close the door and press 0/1 on the synoptic panel or remote control.

Operating modes

Manual: the user sets the desired operating power (from a minimum of 1 to a maximum of 5)

Automatic: the user sets the temperature desired in the room. The stove reads this and adjusts the power to reach the set temperature. Once this is reached, it sets itself to power 1.

Manual mode from synoptic panel/remote control (optional)

With the stove in operation mode or on standby, press and release the MENU button on the synoptic panel/remote control and 'Power' will appear on the display (showing the power at which the stove is working). Rotate the left knob or press the + key on the remote control to increase the operating power (from Power 1 to Power 5).

Setting the fan via the Synoptic Panel

With the stove in operation mode or on standby, rotate the right knob to adjust the ventilation setting (from 1 to 10 in all powers).

Automatic mode from synoptic panel/remote control (optional)

Press the MENU button twice to switch from manual to automatic mode and adjust the temperature desired for the room (use the left knob on the panel or the + and – keys on the remote control to set the temperature between 10 and 29, and the stove will regulate the operating power required to reach it.

If the set temperature is lower than the room temperature, the stove works at Power 1.

Shutdown

For greater comfort, the stove and the air vents go off at the same power at which it was operating.

With the stove in operation mode press the 0/1 key for 2 seconds (on the synoptic panel or remote control). The shutdown procedure will begin and the countdown is displayed. This varies according to the power at which it is running when the shutdown phase begins.

The shutdown phase (which will extinguish the flame without leaving any unburnt material in the combustion chamber and cool the stove), consists of:

- Pellet loading ceases.
- Ventilation is activated at the level at which the stove was operating.
- Smoke expulsion motor enabled.

Never unplug the stove during the shutdown process.

Setting the clock

Press the MENU button for 2 seconds and use the + and – keys to follow the instructions given on the display to access the 'Clock' menu. This allows you to set the time on the electronic control board.

Then press MENU and the following data appears in sequence – this can be adjusted:

day, month, year, hour, minutes, day of the week.

When 'Save?' appears on the display you can check that the settings have been entered correctly before confirming.

Press MENU to save the information ('Save OK' then appears on the display).

Weekly timer

Press the MENU button on the remote control for 2 seconds to access the time setting function and press the + key to access the weekly timer function – 'Program ON/OFF' will appear on the display.

A maximum of three timer programs can be set for each day of the week.

As you confirm via the MENU button, one of the following options will appear:

- 'No Prog.' (no program is set).
- 'Daily program' (a single program is set for every day)
- 'Weekly program' (a program is set for each day of the week).

Move from one to the other using the + and – keys.

Use the MENU button to confirm the 'Daily program' option and access the selection of the number of programs (ignition/shutdown) to be set per day. Use the 'Daily program' option to set the identical program/s for every day of the week.

The following will be displayed if the + key is pressed:

- No Programs.
- 1st daily program (one ignition and one shutdown per day), 2nd daily program (same as before), 3rd daily program (same as before).

Use the MENU button to show them in reverse order.

If the 1st program is selected, the ignition time is shown.

The display shows: 1 Ignition Hour 10.30; use the +/- keys to change the hour and press MENU to confirm.

The display shows: 1 Ignition Minutes 10.30; use the +/- keys to change the minutes and press MENU to confirm.

INSTRUCTIONS FOR USE

In the same way, adjust the shutdown times. The program is confirmed by pressing the MENU button when 'Save OK' appears on the display.

When confirming the 'Weekly program' the day to which the program is to apply must be selected:

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

Once you have chosen the day by scrolling through them with the + and – keys, confirm by pressing MENU and proceed with the settings of the programs in the same way as for the 'Daily program', selecting whether or not to enable a program for each day of the week and choosing the number and times of interventions.

Should you make a mistake whilst setting the programs you can exit without saving by pressing the 0/1 key and 'Saved' will appear on the display.

Note on flame variability

The flame may vary depending on the type of pellets used, in addition to normal variability of the solid fuel flame and regular cleaning of the combustion chamber carried out automatically by the stove.

N.B. The automatic cleaning process performed by the stove does not replace the need for the user to vacuum the stove when cold, prior to ignition).

Pellet reserve warning

Stoves are equipped with an electronic pellet detection system.

The detection system is integrated into the electronic control board, allowing the stove to monitor how many kilos of pellets are left. This verification is implemented at any point whilst the stove is in operation mode.

For correct system operation, it is important that the following procedure is adhered with during the first ignition (that must be implemented by the DEALER).

Before starting to use the pellet detection system, you must load and consume a full sack of pellets. This allows for a brief running-in of the loading system.

Hence, load 15 kg of pellets.

Then press the 'reserve' button once, thereby storing the data into the memory that 15 kg have been loaded.

From now on the display will show the remaining pellets as they decrease in kg (15...14...13).

Each time pellets are reloaded you must enter the quantity.

E.g. when loading 15 kg, simply press the 'pellet load' button to enter this into the memory. For other quantities, or in the event of an error, you can specify the quantity using the pellet reserve menu as follows:.

Press the MENU button for 2 seconds to view the SETTINGS.

Press + or – consecutively to view T. Max E.

Confirm by pressing MENU and the remaining quantity of pellets will be displayed + that being loaded

(default is 15 and can be changed using the +/- keys).

Should the hopper run out of pellets, the stove will block and 'Stop/Flame' will appear (see page 35).


Note: Every now and again remember to reset the "pellet reserve warning" for it to function in a more reliable manner.

For any clarification please contact the authorised DEALER who performed the first 1st ignition.

INSTRUCTIONS FOR USE

REMOTE CONTROL cod. 633310 (optional)

Key to buttons and display:

-  : ignition / shutdown button
- +** : button to increase the power/operating temperature (when inside a menu, it increases the displayed variable)
- : button to decrease the power/operating temperature (when inside a menu, it decreases the displayed variable)
- A** : button to switch to the “EASY TIMER” program
- M** : button to toggle from automatic to manual mode and vice versa



Indicates data transmission between the remote control and the control board.



blocked keypad; avoid turning on the remote control for no reason (press “A” and “M” simultaneously for a few seconds to block/unblock the keypad)



flat battery (3 mini alkaline batteries type AAA)



Indicates that ignition / shutdown is being via the “EASY TIMER” program



Indicates the room temperature detected by the remote control (it indicates the values of the set parameters during its technical set-up).



Indicates that a setting has been transmitted for the stove to ignite



fan speed indicator



pellet/air stove remote control setting indicator



automatic function
(the temperature value appears on the display)



manual adjustment function
(the operating power value appears on the display)



TEMPERATURE DETECTED BY THE REMOTE CONTROL

The remote control is equipped with an internal sensor to detect the room temperature and display it in real time. The detected temperature is transmitted periodically to the control board of the insert/stove if the transmission LED of the remote control and the receiving sensor of the synoptic panel of the insert/stove are in each other's field of view. If the temperature of the remote control does not reach the control board of the insert/stove for over 30 minutes, the temperature detected by the sensor connected to the synoptic panel is used.

SELECTING THE OPERATING MODE

The following functions can be scrolled through and set by briefly pressing the “M” button:



temperature adjustment in automatic mode



manual adjustment of the power



manual adjustment of the ventilation


INSTRUCTIONS FOR USE

TEMPERATURE DETECTED BY THE REMOTE CONTROL


With the remote control it is possible to use the very quick and intuitive time programming function.

- **If the stove is on:** a delayed shutdown can be set using the remote control – from one to twelve hours. The remaining time before the scheduled shutdown is shown on the synoptic panel's display.
- If the stove is off: a delayed ignition can be set using the remote control – from one to twelve hours. The remaining time before the scheduled ignition is shown on the synoptic panel's display.

- **Setting:** proceed as follows to set the timer:

- Press the “A” button and the icon  will light up on the display, thereby confirming the “Easy timer” program has been accessed.
- Set the hours by pressing the +/- buttons, for example:



- Point the remote control towards the synoptic panel receiver
- Confirm the setting by pressing the “A” button for a few seconds; the icon  will go off and the remaining time before the scheduled intervention will appear on the synoptic panel.
- Repeat points a), b), c), d) to cancel the setting, and set the hours to “00H”

BLOCKED KEYPAD

The remote control buttons can be blocked so as to prevent it from going on accidentally.

Press the A and M buttons simultaneously and the key symbol will light up confirming that the keys have been blocked. Press the A and M buttons simultaneously once again to unblock the keypad.

LOW BATTERY INDICATOR

When the battery icon lights up it indicates that the batteries inside the remote control are almost flat. Replace them with three new batteries of the same model (size AAA 1.5V).

- Do not use new batteries with used ones.
- Do not mix brands and different types as every type and brand has a different capacity.
- Do not mix traditional batteries with rechargeable ones;
- Do not try recharging alkaline and zinc-carbon batteries as this can cause them to break and/or a liquid leakage.



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 PERFORM REGULAR MAINTENANCE, at least on a SEASONAL basis, could lead to poor functionality. Any problems resulting from lack of maintenance will immediately void the warranty.

DAILY MAINTENANCE

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

- Cleaning must be carried out with a vacuum cleaner. (see optional extras page 37).
- The whole procedure takes up a few minutes every day.
- Open the door and remove and empty the ash pan (**).
- **DO NOT EMPTY THE RESIDUE OUT INTO THE PELLET HOPPER.**
- 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) and scrape with a spatula (supplied), clean any obstructions in the apertures.
- Suction the combustion chamber holder, clean the contact edges and remove the smoke caps (2).
- 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

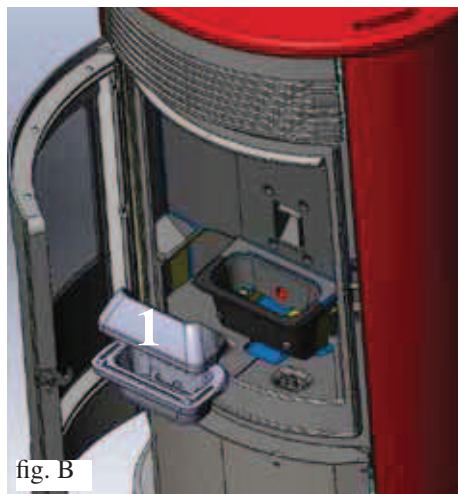


fig. B

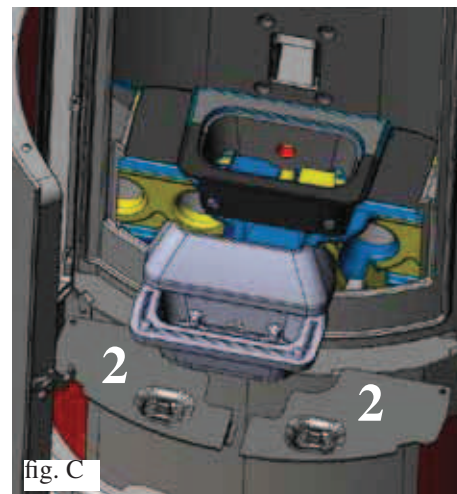


fig. C

WEEKLY MAINTENANCE

- Clean the hearth (with a brush) after having removed the smoke deviators (3 - fig. D).
- Use the swabs (* - fig. D).
- Empty the pellet hopper and clean the base with the vacuum cleaner.
- When cleaning the combustion chamber, lift the smoke caps (2 - fig. E) and suction the four pipes underneath (4 - fig. E)..

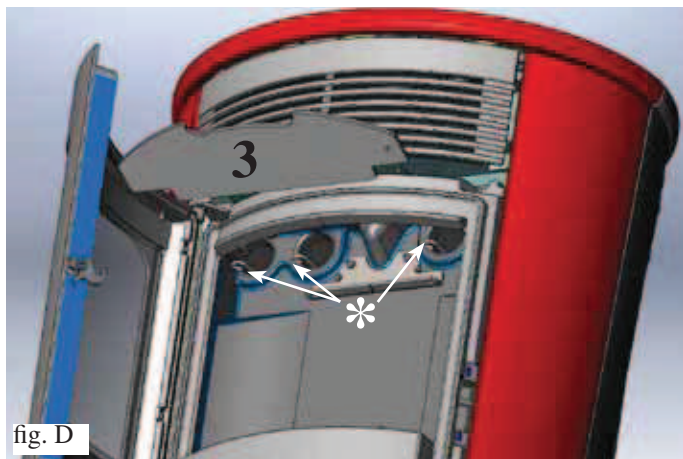


fig. D

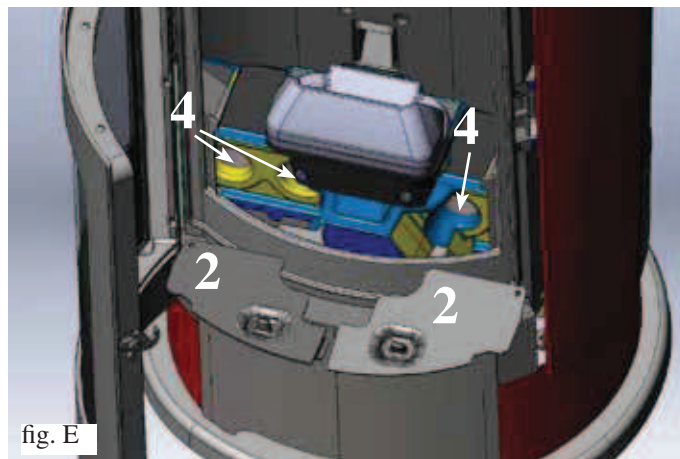


fig. E

NOTE: After every 800 kg, “Mainten.” will appear to remind the user to clean the smoke channels, which is the user’s responsibility. This message will disappear by pressing the “TURBO” button for 5 seconds. Upon reaching 2000 kg of pellets, a “Mainten.-dealer” message will appear which will not disappear because the assistance of a DEALER is required. This message can be reset from the parameters menu.

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.
- Clean smoke flow sensor.
- Clean smoke check thermocouple.
- Clean, inspect and scrape any residue from the ignition resistance compartment and if necessary, replace it
- Clean/check the Synoptic Panel
- 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.

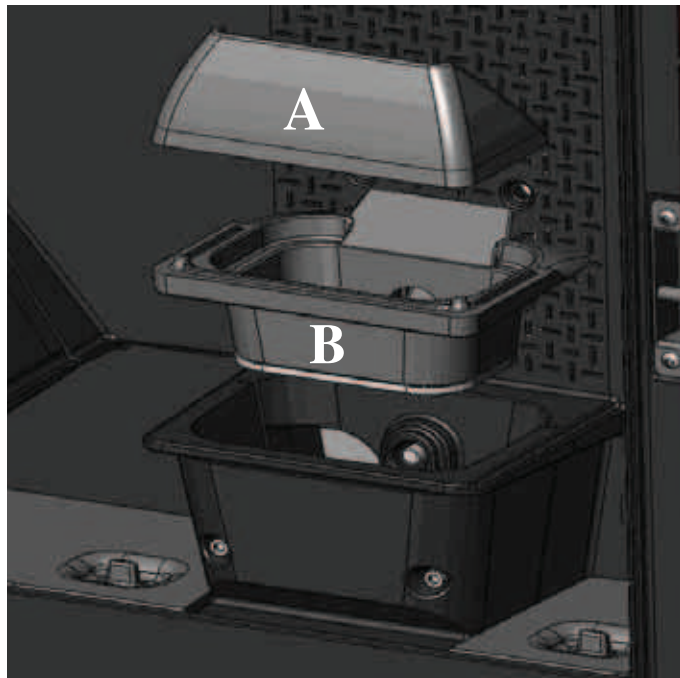


fig. 1

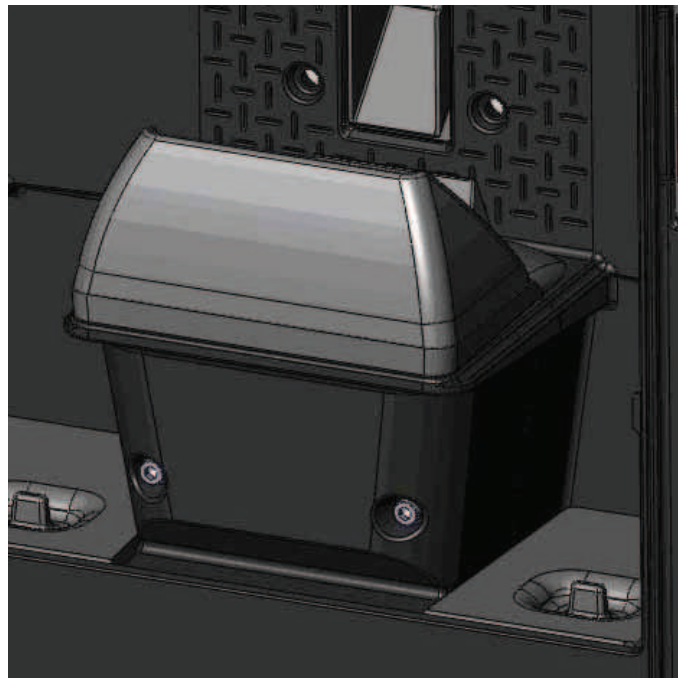


fig. 2

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 0/1 .

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) **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 29).

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

Warnings are shown until you intervene and press the 0/1 key on the control panel.
Do not ignite the stove until the problem has been checked and resolved.

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 640560).

REMOTE CONTROL (cod. 633310)

CLEANING ACCESSORIES



GlassKamin
(code 155240)

Used for cleaning the
ceramic glass



Ash vacuum cleaner
without motor
(code 275400)

User for cleaning
the hearth