

MYA ECO



UK Installation, use and maintenance



EDILKAMIN
TECNOLOGIA DEL FUOCO

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 (remote control, "cold hand" handle to open door, 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 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.

The undersigned EDILKAMIN S.p.a. with head office headquarters at Via Vincenzo Monti 47 - 20123 Milan - Italy - VAT T00192220192

Declares under its own responsibility as follows:

The pellet stove illustrated below conforms to Regulation EU 305/2011 (CPR) and to the harmonised European Standard EN 14785:2006

WOOD PELLET STOVES, trademark EDILKAMIN, called MYA ECO

Year of manufacture: Ref. Data nameplate Declaration of performance (DoP - EK 091): Ref. data tag plate

In addition, it is hereby declared that:

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

2006/95/EC - Low voltage directive

2004/108/EC - 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 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 smoke produced by combustion is extracted from the hearth by the same fan (F), and expelled via the outlet (G) located at the bottom on the back of the stove, or on the top using an optional extra (see page 29).

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.

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

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

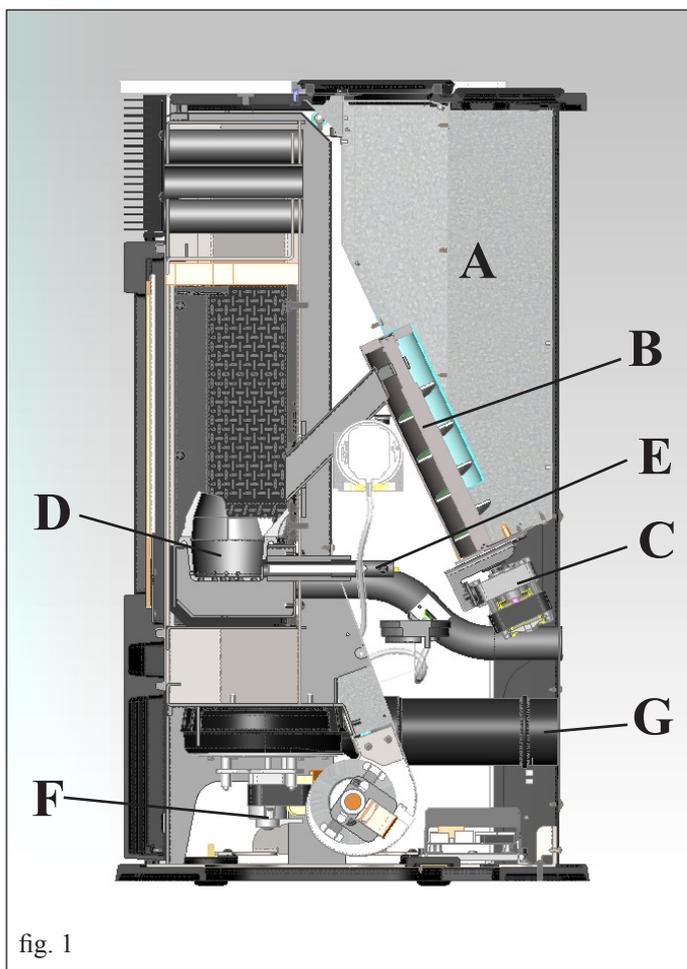


fig. 1

SAFETY INFORMATION

The 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 appliance is not designed to be used by people, including children, with reduced physical, sensorial or mental abilities. Children must be supervised to ensure they do not play with the appliance.
- 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), when extraneous substances or non-recommended fuel are introduced, or due to incorrect maintenance.
- Only use certified, high quality, 6mm diameter wooden pellets for 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.**

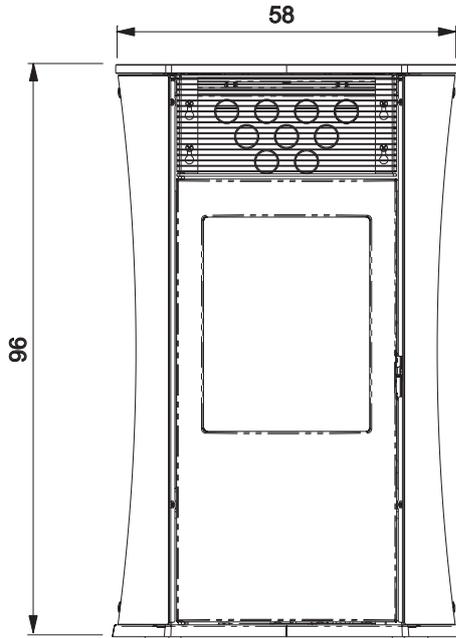
DIMENSIONS AND FINISHINGS

THE STOVE COMES IN FOUR STYLES:

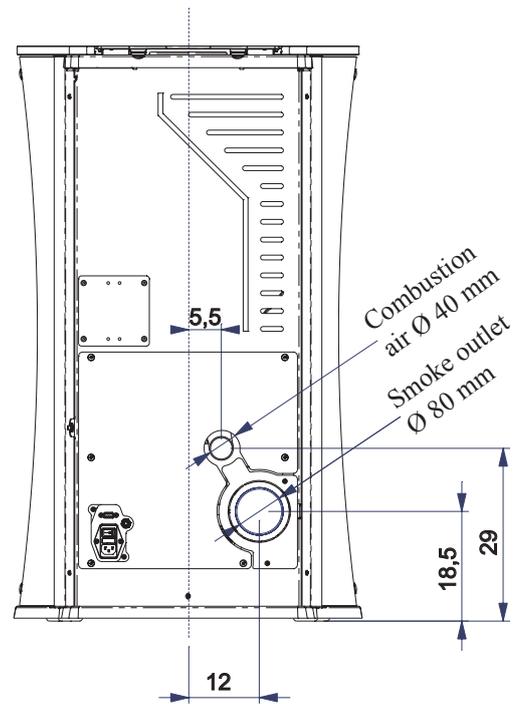
- Sides in white glass, top is cast iron and white glass
- Sides in black glass, top in cast iron and black glass
- Sides in grey glass, top in cast iron and grey glass
- Sides in grey steel, top in cast iron and grey glass

ENGLISH

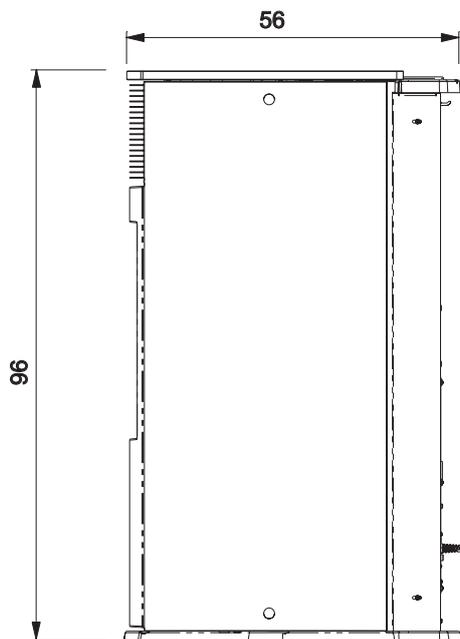
FRONT



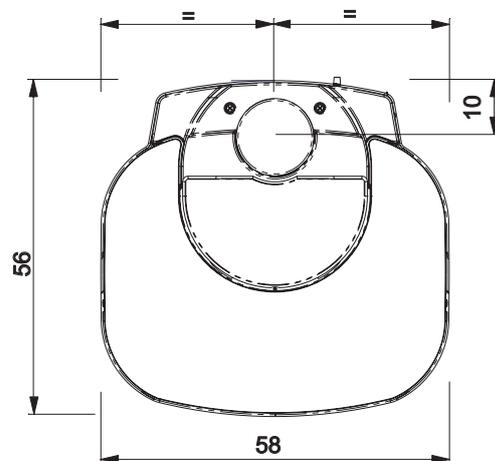
BACK



SIDE



SYSTEM



CHARACTERISTICS

• 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.).

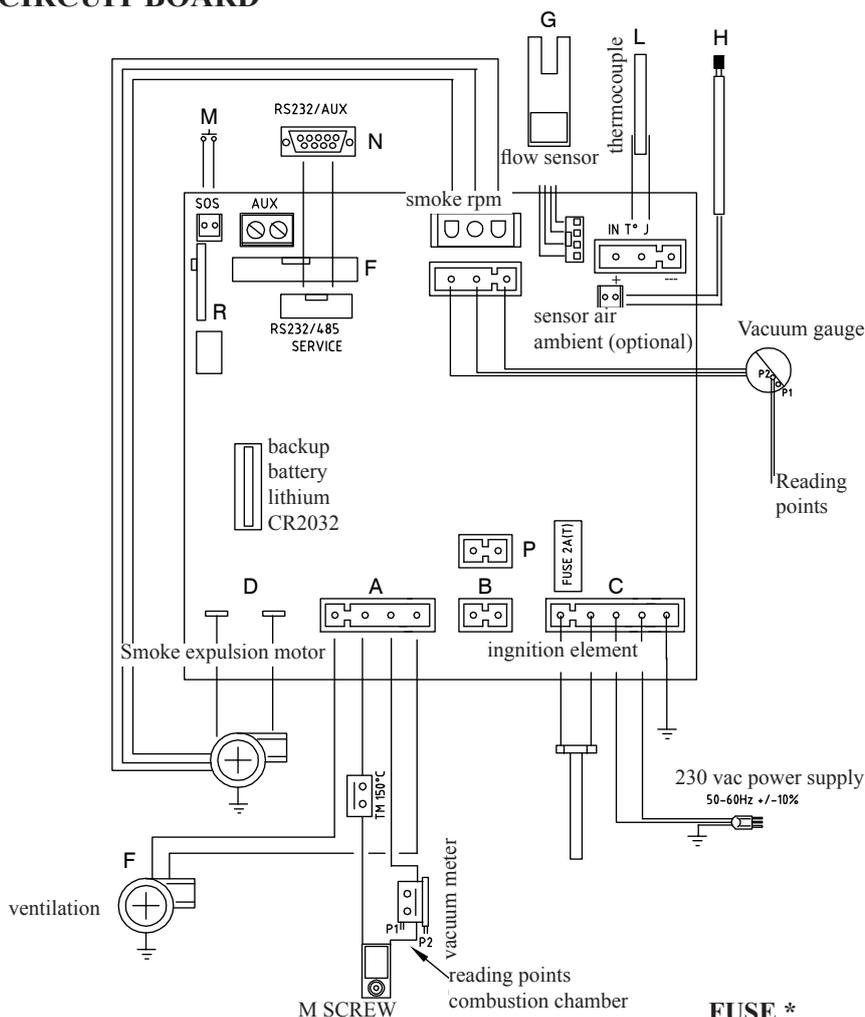
The standards for installation must be respected.

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.



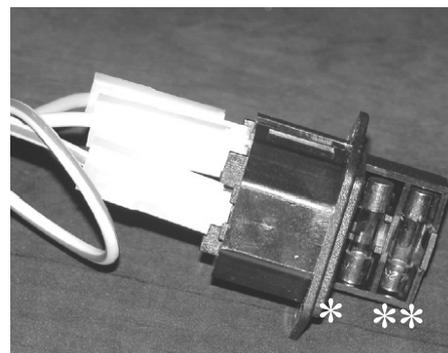
ENGLISH

• 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

THERMO TECHNICAL CHARACTERISTICS according to EN 14785			
	Nominal power	Reduced power	
Heat output	6,5	2,4	kW
Yield / Efficiency	90,1	94,8	%
Emissions CO 13% O2	0,014	0,041	%
Maximum flue gas temperature	133	71	°C
Minimum draught	12 - 5	10 - 3	Pa
Mass flow rate of flue gas	5,9	2,6	g/s
Fuel consumption	1,5	0,5	kg/h
Hopper capacity	18		kg
Autonomy	10	30	hours
Volume riscaldabile *	170		m ³
Smoke outlet pipe diameter (male)	80		mm
Air intake pipe diameter (male)	40		mm
Weight including packaging (glass/steel)	171 / 165		kg

* 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.

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	Radio waves 2,4 GHz	
Protection on mains power supply* (see page 25)	2AT, 250 Vac, 5x20 Fuse	
Protection on electronic circuit board	2AT, 250 Vac, 5x20 Fuse	

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.

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.

• VACUUM GAUGE:

positioned on the smoke extractor, which detects the vacuum value (compared to the installation environment) in the combustion chamber.

• 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.

• SAFETY PRESSURE SWITCH:

This is activated if the vacuum inside the combustion chamber is insufficient for it to function correctly.

INSTALLATION

All local and national laws and European standards must be met when installing and using the appliance. In Italy, refer to the UNI 10683 standard, as well as any regional or local health authority regulations

It is necessary to refer to regulations in force in each country. If installing in an apartment building, check with the management company first.

VERIFY COMPATIBILITY WITH OTHER DEVICES

The stove **MUST NOT** be installed in the same space as type B gas heating equipment (e.g. gas boilers, stoves, and equipment served by an extraction hood) as the stove may cause a vacuum in the space which may compromise or influence how these units work.

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:

- minimum distance from flammable materials around the sides and back of the stove: 20 cm
- flammable materials must not be placed less than 80 cm from the 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.

MOKE 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 three 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.

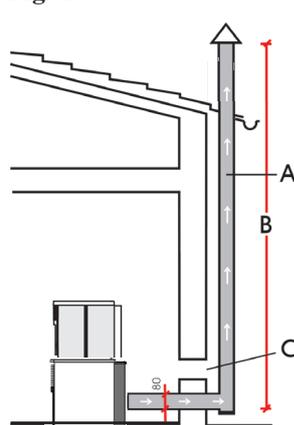
The chimney pots and smoke ducts connected to the solid fuel appliances must be cleaned once a year (verify whether a specific legislation exists in your country).

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.

The stove is designed to work under any weather conditions. In case of particular conditions, such as strong wind, the safety system may be activated, which results in the stove being extinguished. If this happens, do not operate the stove with the safety devices disabled. If the problem persists, contact our Technical Service Department. In this case, do not operate the appliance while the safety devices are disabled. If the problem persists, contact the Service Centre.

TYPICAL EXAMPLES

Fig. 1



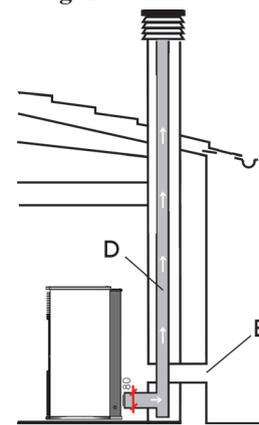
A: insulated steel flue

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.

Fig. 2



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

1) VERSION WITH GLASS SIDES AND TOP

The stove is delivered with the sides and top removed and protected for the transportation phase.

To remove the protection, proceed as follows:

- Remove the glass top (A - fig. 1) by cutting the fastener (B - fig. 1) and remove the four spacers and the central bracket (C/D - fig. 2).

- Open the door and remove the galvanised panel (D - fig. 3)

- Slacken the wing nuts at the lower and upper ends on the inside of the glass sides (E/F -fig. 4/5).

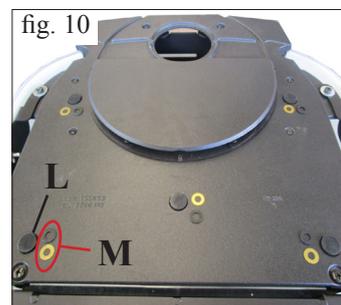
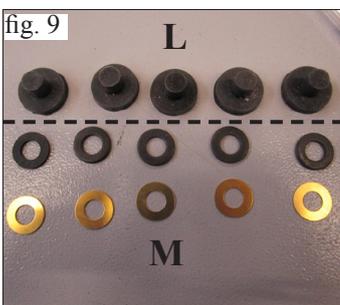
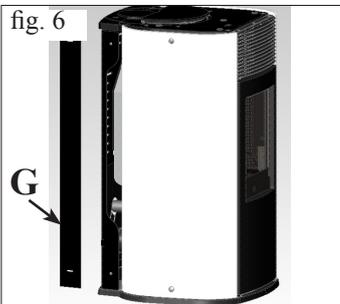
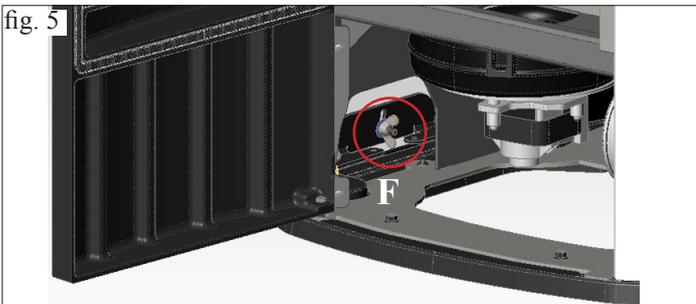
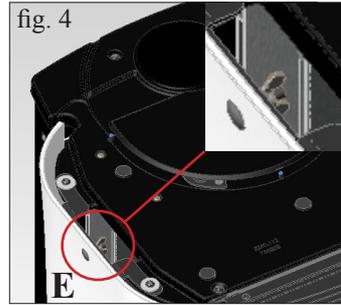
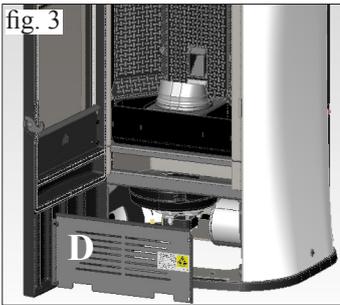
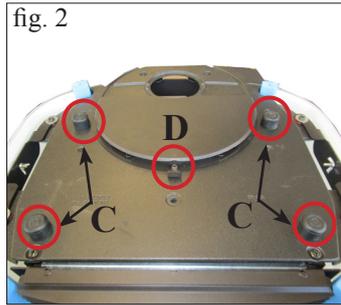
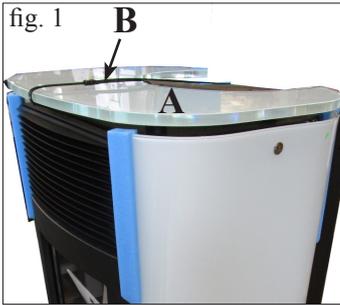
- Close the door and remove the plating profiles on the back (G - fig. 6).

- Take the glass sides off (H - fig. 7) and remove the protection

- Remove the rubber pads fixed under the fixing brackets (upper and lower) for the glass sides (I - fig. 8)

- Remove everything and the repeat the steps listed in reverse order

- Before repositioning the glass top, fit the 5 rubbers and 10 washers supplied into their housings in the cast iron top (L/M - fig. 9/10).



2) VERSION WITH STEEL SIDES AND GLASS TOP

The stove is delivered with the sides and top fitted, complete with protection for the glass top for the transportation phase. To remove the protection from the top, proceed as indicated above.

INSTALLATION

3) FLUE OUTLET AT THE TOP

MYA ECO is set up to allow the flue pipe to be connected at the top or the back.
The stove is delivered ready for the flue pipe to be fitted at the back.

To allow the flue pipe to be connected at the top, the specific optional extra kit must be used.

The kit includes the following parts:

- N° 1 80 Ø clamp (L)
- N° 1 inspection elbow (M)
- N° 1 flue pipe outlet (P)
- N° 2 top flue pipe outlet closers (Q)

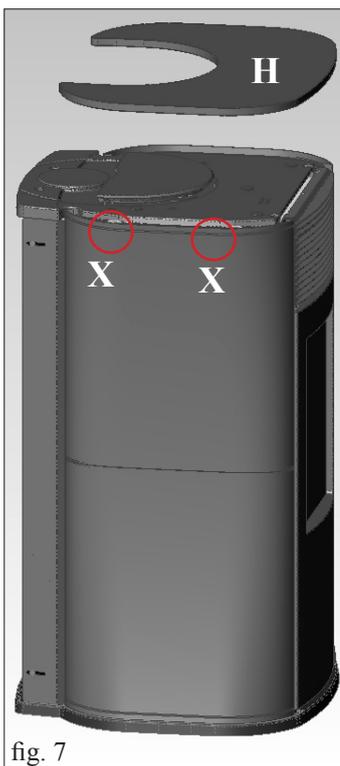
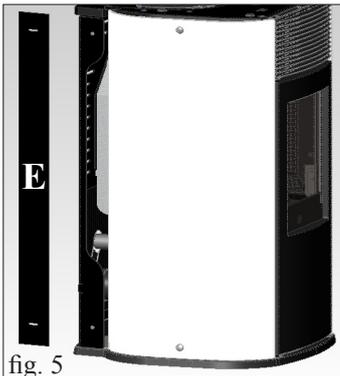
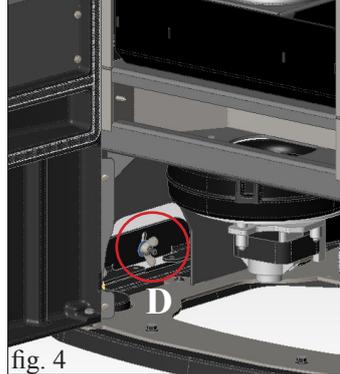
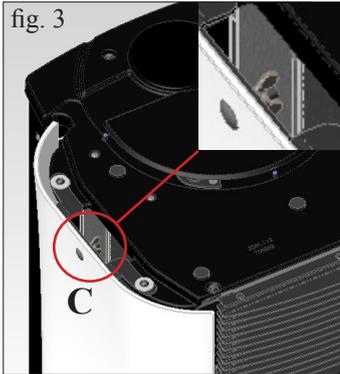
To fit the kit, proceed as follows:

For the version with glass sides

- Remove the supported glass top (A - fig. 1).
- Open the door and remove the galvanised panel (B - fig. 2)
- Slacken the wing nuts at the lower and upper ends on the inside of the left side (C/D -fig. 3/4).
- Close the door and remove the plating profiles on the back (E - fig. 5).
- Remove the glass side (F - fig. 6) removing the clamps (G - fig. 6).
- Then proceed to fit the kit as indicated on the next page.

For the version with steel sides

- Remove the supported glass top (H - fig. 7).
- Remove the side steel, fixed to the structure of the stove with 2 screws (X - Fig. 7) to remove, pulling it upwards (I - Fig. 8)
- Then proceed to fit the kit as indicated on the next page.



INSTALLATION

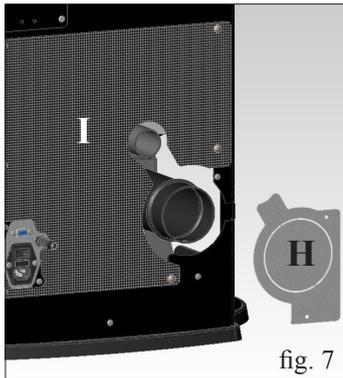


fig. 7

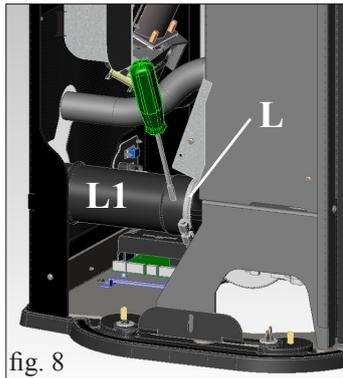


fig. 8



fig. 9

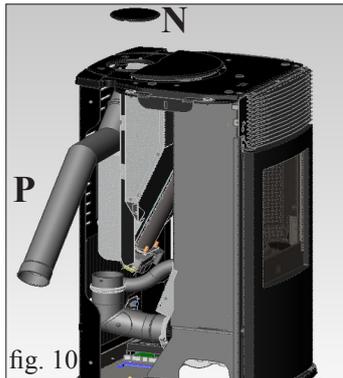


fig. 10

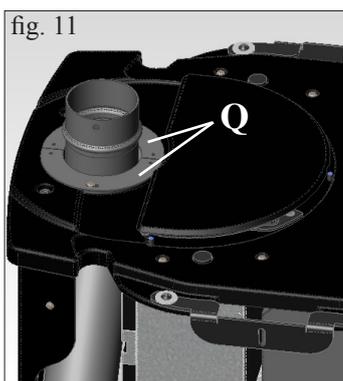


fig. 11



fig. 12

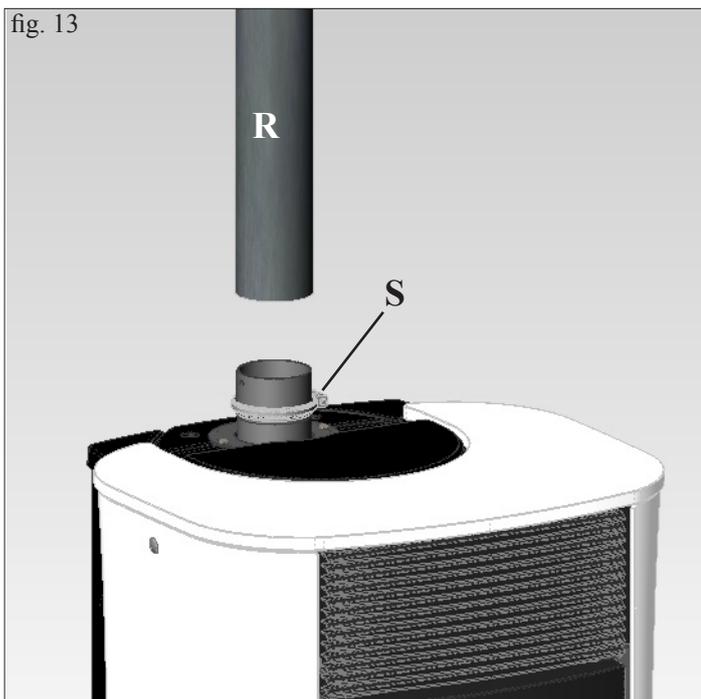


fig. 13

Fitting the top flue pipe outlet kit (FOR ALL VERSIONS)

During the installation use the silicon paste to seal between the flue-gas extractor and the different connections of the flue outlet.

- Remove the diaphragm (H - fig. 7) and, if necessary the perforated lower rear panel as well (I - fig. 7).
- Slacken the clamp (L - fig. 8) and remove the outlet flue pipe (L1 - fig. 8).

- Position the inspection elbow (M - fig. 9) and fix it using the clamp slackened previously.

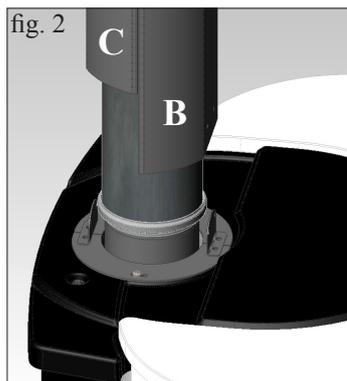
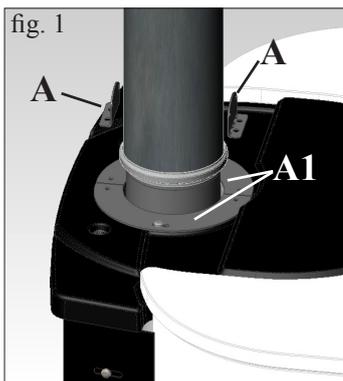
- Remove the cast iron cap (N - fig. 10) resting on the top and fit the flue pipe outlet (P - fig. 10) from the side of the stove.

- Position the two plating closers (Q - fig. 11) around the flue pipe outlet and fix them using the screws.

- Fit the side removed previously (for the version with glass sides, put the gaskets and small parts back in place as shown in figure 12).

- Fit the flue pipe (R - fig. 13) (not supplied) over the outlet and fix it using the clamp (S - fig. 13) (not supplied).

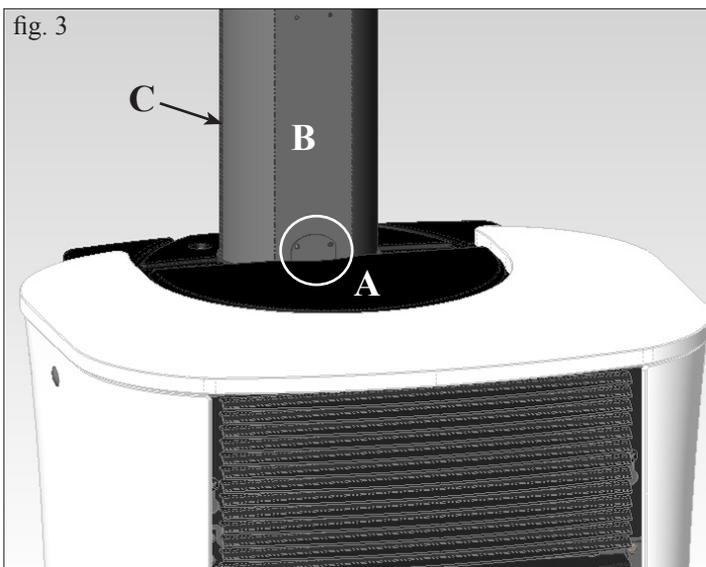
INSTALLATION



FLUE PIPE COVER KIT FOR VERTICAL FLUE PIPES - OPTIONAL EXTRA (CODE

The kit includes the following parts:

- N° 1 flue pipe fixing bracket (A)
- N° 2 short pipe cover elements L = 25 cm (B-B1)
- N° 2 long pipe cover elements L = 50 cm (C-C1)
- N° 2 self-tapping screws 4,2x13
- N° 2 self-tapping screws 4,2x6,5



To fit the kit, proceed as follows:

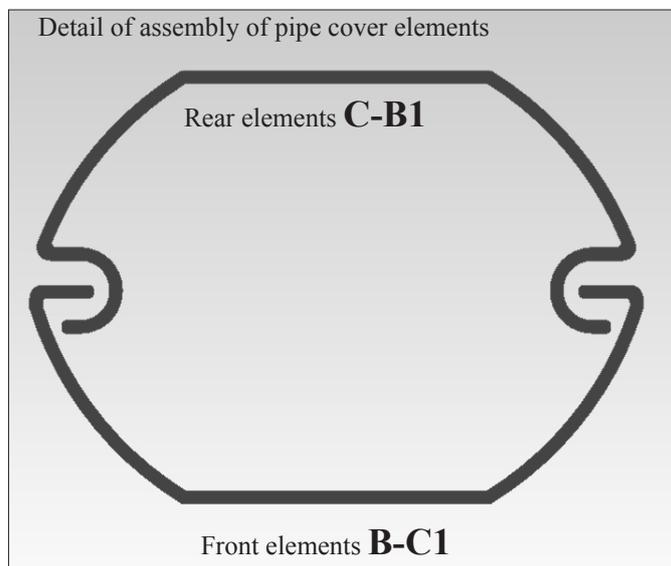
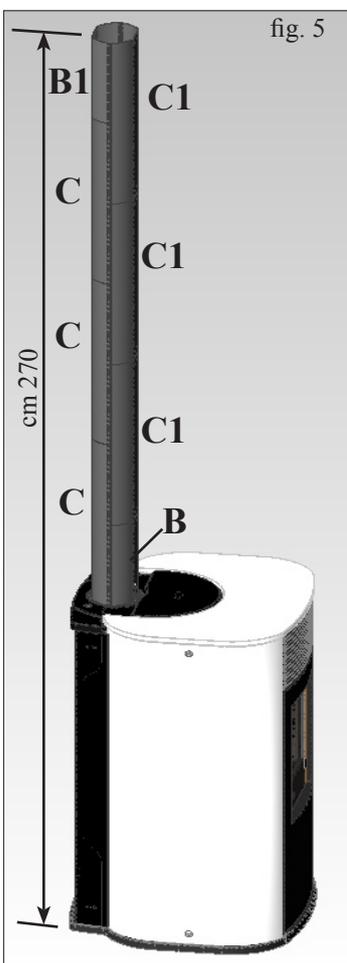
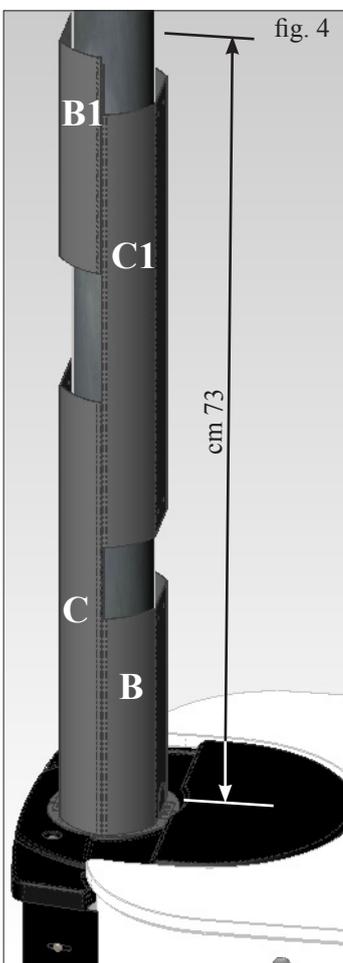
- Fit the pipe cover fixing bracket (A - fig. 1) using the screws 4,2x6,5 supplied, to the two plating closers (A1 - fig. 1) at the holes formed.

- Put a short pipe cover element on from the front (B - fig. 2) and a long pipe cover element on from the back (C - fig. 2)

- Fix the bracket (A), installed previously, to the long pipe cover element on the back (C) using screws 4,2x13 (fig. 3).

- Fit another long pipe cover element from the front (C1 - fig. 4) and another short pipe cover element from the back (B1 - fig. 4) until a height of 83 cm is reached (equal to an overall height from floor level, including the stove, of 169 cm).

- If you need to reach a height from floor level to ceiling of 270 cm, use another 4 long pipe cover elements (C-C1) (fig. 5).



INSTRUCTIONS FOR USE

Commissioning must be done by a Technical Service Centre authorised by Edilkamin (CAT) prior to ignition and testing according to the UNI 10683.

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

Before igniting.

To ignite for the first time, it is essential to contact your local Edilkamin technical service centre (CAT), (for information see the www.edilkamin.com website) to calibrate the stove according to the type of pellets used and installation conditions, thereby starting the guarantee.

Failure to have the stove ignited by an authorised C.A.T. prevents Edilkamin from guaranteeing correct functioning. .

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.

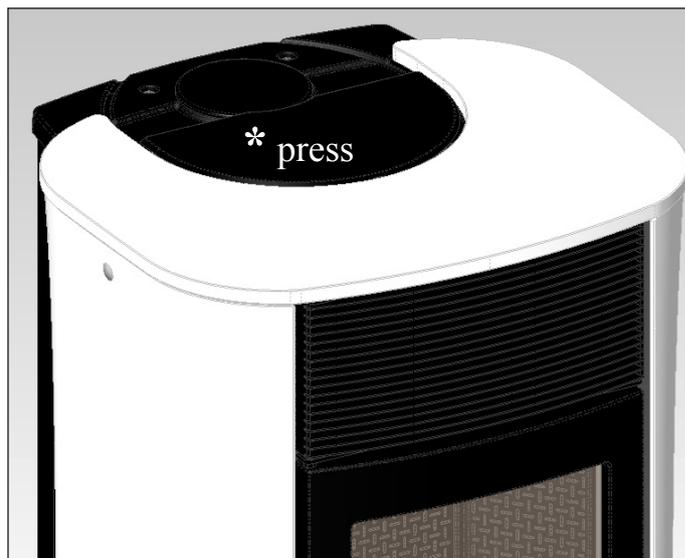


fig. 1

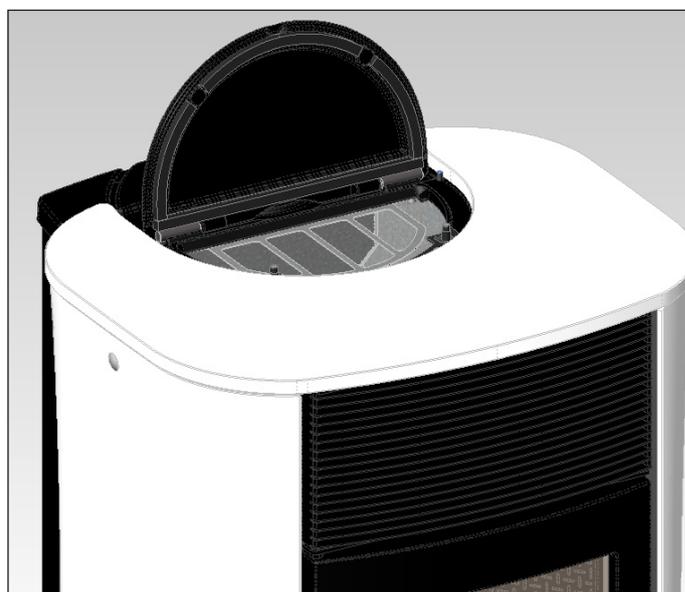


fig. 2

NOTE regarding the fuel.

MYA ECO 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 select the type of programming, which allows a maximum of three ignitions to be set.

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.

Confirming by pressing the “M” key “DAILY PROGRAM.” and pressing the “+” key, the choice of the number of programmes (ignition/extinguishing) per day can be made.

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 (All 1 On/Hour 10).

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

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:

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

Once the day is set, use the keys “+” and “-” and confirm by pushing “M” key to choose 1 to 3 ignitions, 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 (with self-regulation deactivated)

When the “M” key on the radio control is held down for two seconds and the display is scrolled using the “+” and “-” keys, you come across the “User’s Menu”. When this is confirmed the display reads “ADJ-PELLET ; ADJ-DRAUGHT and RADIO MENU” (CAT). The pellet drop can be adjusted manually by changing the capacity in percentage terms (+/- 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).

This provides a reference indicator. Greater precision is obtained by regularly zeroing the system before filling it again. Edilkamin does not accept any responsibility for differences from what is indicated (which may be due to external factors).

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.

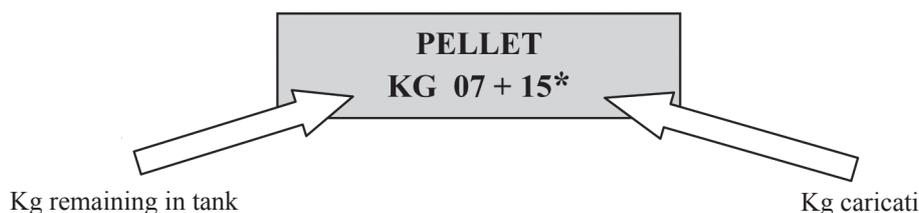
After this, the tank can be filled completely and the stove started up.

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 (use the glove provided).

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).

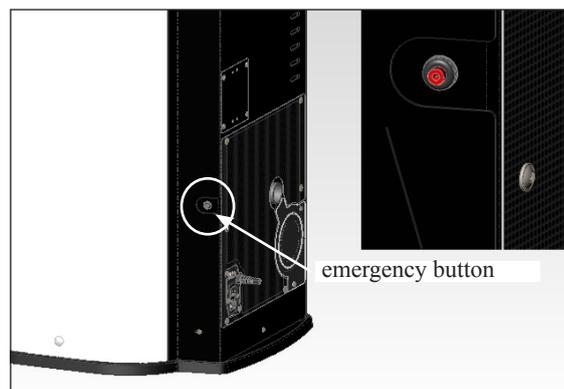
4. press the “M” key to confirm
5. press the key  to exit.

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

If the radio control should be faulty, the basic functions can be accessed using a red emergency button on the right side of the stove (see fig. 1). Push this button once or more times to activate the required function:

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.



MAINTENANCE

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

Regular maintenance is required for the stove to function correctly.

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 41).
- Open the door, extract the fire box (1 - fig. A) and tip the residue into the ash drawer (2 - fig. B).
- **DO NOT EMPTY THE RESIDUE OUT INTO THE PELLET HOPPER.**
- Pull the ash drawer (2 - fig. b) out and empty it into a non flammable container (the ash may still have some parts that are still hot and/or embers).
- Vacuum out the inside of the fire box, fire grate, and space around the fire box, into which the ash falls.
- Remove the fire box (1 - fig. A) and remove any encrustation using the brush provided, clearing any clogging in the holes.
- Vacuum the fire box, clean the contact edges between the fire box and its seating.
- 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

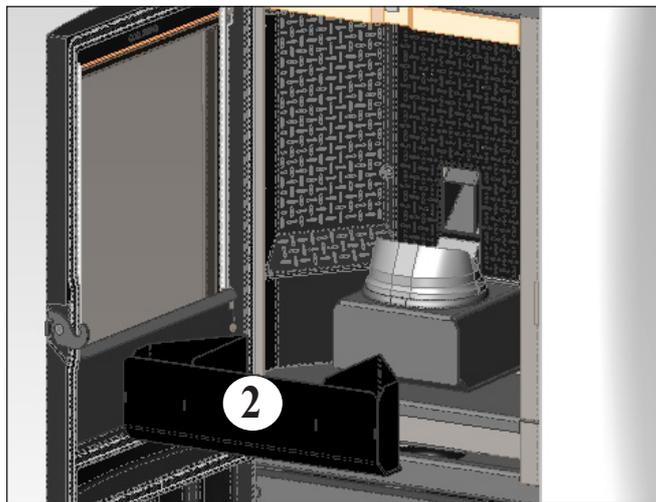


fig. B

WEEKLY MAINTENANCE

• Remove the ceiling (5 - fig. C) and tip the residue into the ash drawer (2 - fig. B). Removal of the ceiling is possible only after having removed the baffle (3 - fig. C) by removing the 3 screws located under this baffle (4 - fig. C).

The ceiling is a component subject to wear, Edilkamin does not accept responsibility for it, more so if any breaks are due to extracting or putting it back in its seating.

- Empty the pellet tank and vacuum the bottom.

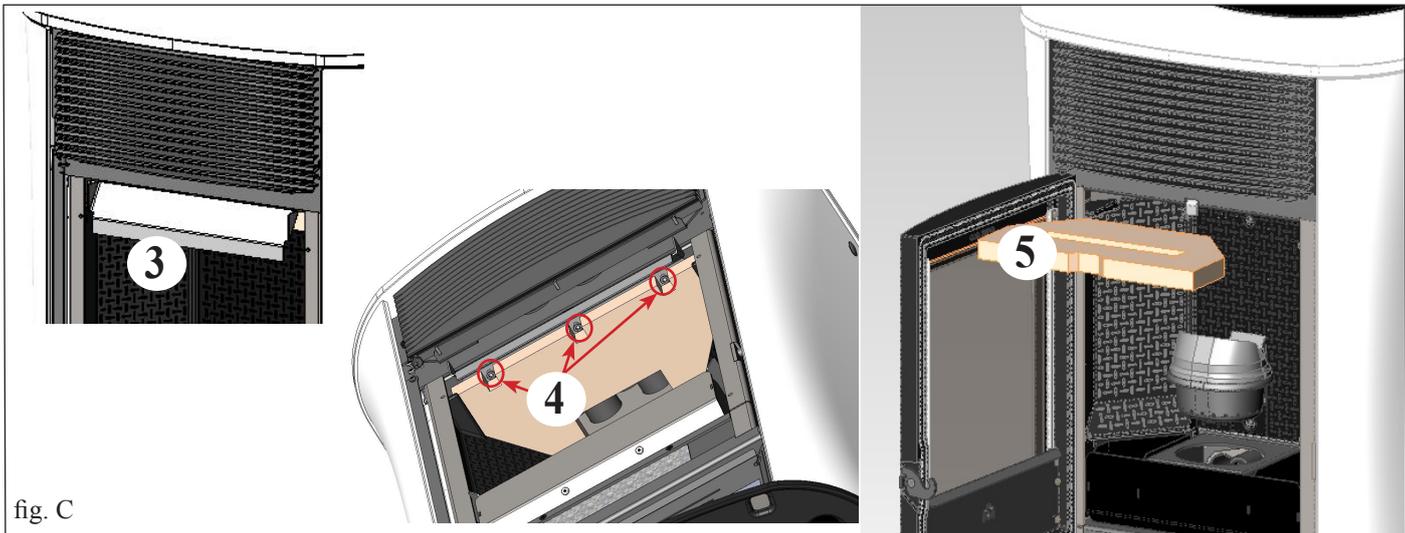


fig. C

MAINTENANCE

SEASONAL MAINTENANCE (implemented by the DEALER)

Consists in:

- Clean the stove internally and externally
- Thorough cleaning of the heat exchange piping inside the hot air outlet grille located in the upper part of the front of the stove
- 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
- 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
- Visual check of power cables, connections and power cord.
- 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 D) and lower (B) (figura D) combustion chambers can compromise the stove's performance.

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

We remind you that using the stove without cleaning the melting pot, may cause a sudden ignition gas inside the combustion chamber with the consequent breaking of the glass

N.B.

- Any unauthorised modification is forbidden
- Use spare parts recommended by the manufacturer
- The use of pirate parts results in the guarantee becoming null and void



fig. D



fig. E

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: respect and check a minimum distance of 10 cm from the 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 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 (DEALER).

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)
 - Check correct functioning of the pressure switch (CAT)
- 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).
 - Check correct functioning of the pressure switch (CAT)
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;
 - Check that there are pellets in the tank and the fire box
 - 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 34).

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
 - Gear motor faulty (CAT)
- 8) **Signalling:** **Check button** (signals an anomaly on the emergency button)
Actions:
 - check maintenance status of the button and its board connection cable (DEALER).
- 9) **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).
Remember that this component is subject to regular wear and so it is not covered by the guarantee.
- 10) **Signalling:** **ALARM - HIGH CURRENT:** Activated when anomalous, excessive current absorption is detected on the gear motor.
Actions: Check functioning (CAT): gear motor - Electrical connections and electronic board.
- 11) **Signalling:** **ALARM - LOW CURRENT:** Activated when anomalous, insufficient current absorption is detected on the gear motor.
Actions: Check functioning (CAT): gear motor - pressure switch - tank thermostat - electrical connections and electronic board
- 12) **Problem:** **Remote control not working**
Actions:
 - Move closer to the stove
 - check the battery and if necessary, replace it.
 - Synchronisation with automatic search on activation: when you put the batteries into the radio control a radio channel search phase will start up automatically, and it will subsequently connect to the product detected. So that this occurs correctly, make sure to switch the product on before inserting the batteries in the radio control, and stay in the vicinity of the antenna in order to achieve radio coverage with certainty.
 - Synchronisation with automatic search and manual activation - it is possible to launch an automatic search for a product manually, simply carry out the following operations after having already put the batteries into the radio control:
 - Go close to the product’s antenna and make sure it is connected to the electricity supply.
 - With the display switched off (standby) hold the 0/I key down for 10”.
 - After 10” a “NETWORK SEARCH” message appears on the display, then release the o/I key, as this means that the automatic search has been activated.
 - Automatic tuning of the radio channel will occur within a few seconds.
- 13) **Problem:** **During ignition, the differential switch trips (DEALER):**
Actions:
 - Check the condition of the ignition coil, the electrical system, and the electrical components.
- 14) **Problem:** **Outgoing air not hot:**
Actions:
 - Check that the fan is working.

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

Once 1000 kg of pellets have been consumed or some other value set by the CAT during the first ignition, the display flashes a message that reads “maintenance”.

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

NOTA 3

If due to the quality of pellets or particularly critical installation, the stove becomes clogged earlier, the message “CALL SERVICE” will appear. Proceed as per “Mainten.” instructions.

N.B.:

The combustion chambers and smoke ducts connected to the solid fuel appliances must be cleaned once a year (check if your country has specific legislation covering this).
Failure to regularly check and clean increases the likelihood of a fire in the chimney pot.

IMPORTANT!!!

In the case of a fire in the stove, in the flue or in the chimney, proceed as follows:

- Disconnect the power supply
- Use a carbon dioxide (CO₂) extinguisher
- Call the fire brigade

DO NOT ATTEMPT TO PUT THE FIRE OUT WITH WATER!

After the event, have the appliance checked by an authorised Service Centre and have an authorised technician check the flue.

CHECK LIST

To be integrated with a complete reading of the technical specifications

Positioning and installing

- First ignition performed by authorised CAT who released the guarantee certificate
- Room ventilation
- Only the stove outlet passes through the smoke channel/chimney flue
- The smoke channel has: a maximum of 3 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

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.

KIT FOR A SMOKE OUTLET CONNECTION ON TOP

PIPE COVER KIT FOR A SMOKE OUTLET CONNECTION ON TOP

CLEANING ACCESSORIES



GlassKamin
(code 155240)

Used for cleaning the
ceramic glass



Ash vacuum cleaner
without motor
(code 275400)

User for cleaning
the hearth



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.



www.edilkamin.com

cod. 941252-GB 07.16/C