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**Extraflame**

**Extraflame**

**PELLETS STOVES**

**User and maintenance manual**

**LUCREZIA IDRO**



**Congratulations! You are now the owner of an EXTRAFLAME stove !**

The **EXTRAFLAME** pellet stove is an ideal heating solution. It utilises the most advanced technology and is manufactured to the highest standards with an up-to-date design, allowing you to enjoy the ambience and warmth of a natural flame in complete safety.

This manual tells you how to use your stove correctly. Please read it all carefully before use.

### **IMPORTANT**

Ensure that the dealer completes the following box with the details of the authorised specialist who will help you if you have any problems in using your new pellet stove.

<b>AUTHORISED SPECIALIST</b>	
<b>Company:</b>	_____
<b>Contact:</b>	_____
<b>Address</b>	_____ <b>NR.</b> _____
<b>Post Code:</b>	_____ <b>Town</b> _____
<b>Telephone</b>	_____ <b>Fax</b> _____

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## 1 WARNING

The stoves manufactured in our works are built with the maximum dedication to the individual components so as to protect both the user and the installer from accidents. The qualified personnel are therefore advised to pay special attention to the electrical connections after every operation on the product, especially with regard to the stripped part of the wires which must not protrude in any way from the terminal block, thereby preventing possible contact with the live parts of the wire.

**Installation must be carried out by qualified personnel who must issue a declaration of compliance of the system with good practice to the purchaser, who shall assume responsibility for the definitive installation and consequent proper operation of the product installed. Extraflame S.p.A. shall not be responsible in the event of failure to observe these precautions.**

This instruction manual constitutes an integral part of the product: ensure that it always accompanies the appliance, even if passed to another owner or user or moved to another installation. If damaged or lost, ask the local technical service for another copy.

This stove must be used exclusively for the applications it was expressly designed for.

The manufacturer shall not be responsible contractually or extra-contractually for any damage caused to persons, animals or property by installation, adjustment and maintenance errors, or by improper use.

After removing the packaging, ensure that the contents are intact and complete. If this is not the case, contact the dealer from whom the appliance was purchased.

Stove maintenance must be carried out at least once a year, scheduling it sufficiently in advance with the service centre.

**The following safety precautions must be observed:**

The use of the stove by unattended children and disabled persons is not recommended.

Do not touch the stove if you are bare-footed or if parts of your body are wet or damp.

Modifying the safety or adjustment devices without the manufacturer's approval or instructions is forbidden.

Never pull, detach or twist the electric wires coming out of the boiler even when the electricity supply is disconnected.

Do not plug or reduce the dimensions of the aeration apertures of the room in which the stove is installed.

The aeration openings are critical for correct combustion.

Never leave the packaging materials within reach of children or unattended disabled persons.

Before installation, we recommend that you thoroughly wash all the piping in the system to remove any residues which could affect the efficiency of the appliance.

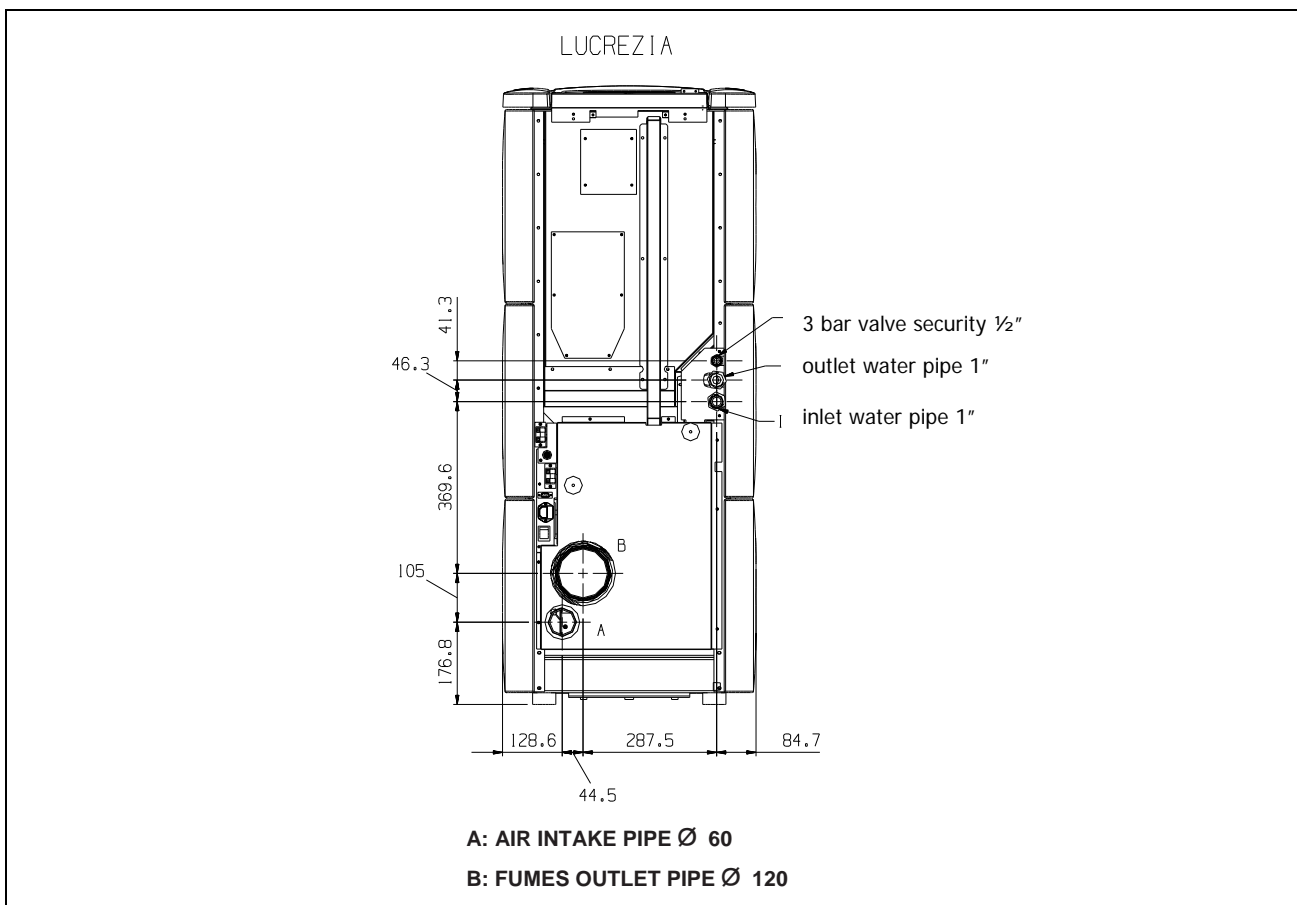
During installation, it is necessary to inform users that:

- If there is any water leakage, the water supply must be shut off and technical support contacted.
- They must periodically check the working pressure of the plumbing system. If the stove is not being used for a long period, users are advised to call the technical assistance service engineers to carry out at least the following operations:
  - Turn the main switch to position 0
  - Close the water cocks of both the heating and sanitary systems
  - Drain the heating and sanitary systems if there is any risk of freezing

## 2 TECHNICAL SPECIFICATIONS

	<b>Lucrezia Idro</b>	
Height	mm	1330
Width	mm	544
Depth	mm	594
Weight	Kg	297
Fume exhaust pipe diameter	mm	120
Intake air diameter	mm	60
Max heating volume	m <sup>3</sup>	440
Total power	kW/h	4,2 - 22,0
Water power	kW/h	17,5
Pellet consumption per hour	Kg/h	1,0 - 5,0
Absorbed electrical power	W	25 - 270
Lighting power	W	+280
Power supply	V, Hz	230, 50
Feed box capacity	Kg	~43
Inlet/outlet water pipe	"	1
3 bar valve security	"	1/2

*All data are not binding, but valid just as an indication. The right to make technical modifications for improving the product is reserved.*



### 3 AIR REQUIRED FOR COMBUSTION

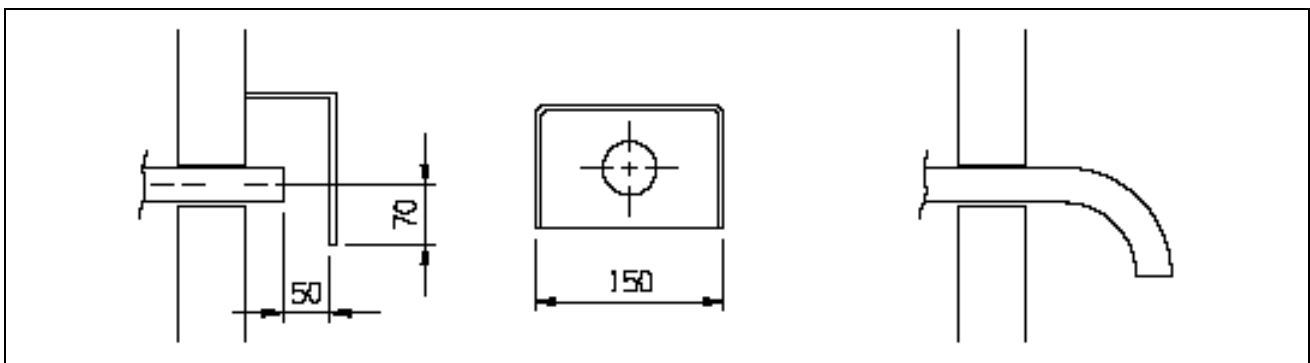
Combustion always requires air (oxygen). Stoves therefore remove air from the room they are installed in and this must be replaced. Bad combustion can be caused by poor air circulation in the house and this is often the case in modern homes which have sealed windows and doors. On the other hand, there are also problems when there are draughts in the room (caused for example by kitchen or bathroom ventilators). To prevent this type of problem, we suggest a permanent ventilation grill to be fitted in a window or near the stove. Alternatively, the air can be taken directly from the exterior or from another sufficiently aerated room (a cellar, for example) by means of a steel pipe with a diameter of 48 mm.

#### 3.1 External air intake pipe assembly

- a) Measure and make a hole with a minimum diameter of 5 cm in the wall for the intake pipe (see drawing here below)
- b) Connect the stove with the exterior by means of a steel pipe.

#### ATTENTION

- Only use steel pipes.
- Pipes of synthetic materials or aluminium must not be used.
- To ensure sufficient air intake, the pipe must not be longer than 2 m. and must not have too many bends.
- If the pipe leads outdoors, it must end with a 90° downward bend and be protected against the wind (see below).



## 4 WHAT ARE PELLETS ?

The pellets are made by applying very high pressure to sawdust, that is pure timber waste (without paint), produced by sawmills, carpentry works and other activities associated with the working and transformation of timber. This type of fuel is completely environmentally friendly as no binders of any kind are used to keep it compact. In fact, the compactness of the pellets over time is guaranteed by a natural substance found in the wood itself: the lignite.

As well as being environmentally friendly, as the wood residues are exploited to the maximum, pellets also have technical advantages.

While wood has a calorific power of 4.4 kW/kg. (with 15% humidity, after about 18 months seasoning) the power of pellets is 5.3 kW/kg. The density of the pellet is 650 Kg/m<sup>3</sup> and the water content is 8% of its weight. For this reason, the pellets do not need to be seasoned to obtain an adequate calorific yield. Their diameter ranges from a minimum of 5 mm to a maximum of 8 mm.

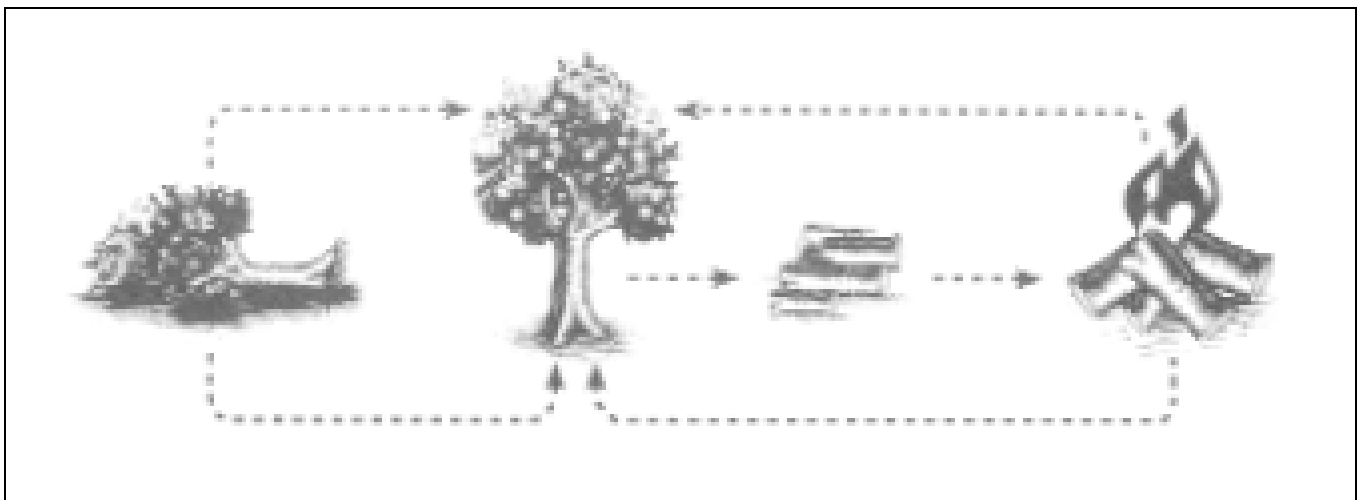


### 4.1 Pellet storage

To guarantee problem-free combustion, the pellet must be stored in a dry place.

### WARNING

THE USE OF POOR QUALITY PELLETS OR OF ANY OTHER MATERIAL MAY DAMAGE THE FUNCTIONING OF YOUR STOVE AND TO THE INVALIDATION OF THE WARRANTY AND ASSOCIATED RESPONSIBILITIES OF THE MANUFACTURER.



## 5 SAFETY DEVICES

### 5.1 Fume extractor breakdown

If the extractor stops, the electronic unit immediately prevents the supply of pellets.

### 5.2 Pellet feeding motor breakdown

If the motor stops, the stove continues to operate until the minimum cooling level is reached.

### 5.3 Lighting failure

If no flame develops during the lighting stage, the stove automatically makes another attempt to light and if no flame comes this time either, the stove will show on the display

**“ NO ACC ”.**

While attempting to light the stove, on the display you will read “ATTE” which means “WAIT”. This function remembers that before lighting the stove, you must be sure that the burning pot (grate) must be free of dirt and debris.

### 5.4 Temporary power failure

The appliance will re-light automatically after a brief power failure. There may be a minute quantity of smoke inside the house when there is no power for a period of 3 to 5 minutes.

**THIS DOES NOT GIVE RISE TO ANY SAFETY RISK.**

### 5.5 Electrical safety

The stove is protected against violent power swings by a master fuse on the rear of the stove (delayed 2A 250V).

### 5.6 Fume exhaust safety

An electronic pressure switch stops the loading screw in case the exhaust pipe is obstructed, or in case the door remains opened for some minutes.

### 5.7 Safety for pellets overheating

In case of overheating inside the pellet hopper, this safety device stops the functioning of the stove; the resetting is manual and must be done by a qualified technician.

### 5.8 Safety plant pressure

A mechanical pressure sensor that will trip if the pressure of the water becomes too high.

This device should only be reset by a qualified technician.

### 5.9 Water over temperature safety

In case of a lack of water, this safety device stops the pellet feed.

This device should only be reset by a qualified technician.

### 5.10 Devices not on the list

During the installation of the stove it is obligatory to install a manometer on the plant that shows the pressure of the water, and an automatic discharge valve set to 3 bars.

### 5.11 Installation and safety devices

The installation, the relevant connections of the plant, putting the appliance into service, and the checks to make sure it is working properly must all be done to professional standards by qualified persons (ACT N°46 of 5th of March 1990) in the full respect of the regulations in force as well as the present instructions. Extraflame S.p.A. declines any responsibility for damage to things or injury to persons caused by the plant.

In accordance with the regulations in force the solid fuel fired heat generators can only be installed in open expansion plants (obligatory).



## 6 ASSEMBLY

### 6.1 Assembly

An authorised dealer should assemble the stove. The assembling of the ceramics in the stoves which comprise majolica tiles, must be done by a qualified technician.

### 6.2 Installation

a) Paying attention to the dimes of perforation and taking into consideration a floor protection plate, if fitted, measure and make the hole in the chimney for connecting the fume exhaust pipe with diam. 120 mm. If a new hole is to be made through a wooden wall, this should 170 mm, with a minimum 20 mm insulation material all round.

b) Connect the stove to the chimney by means of a steel pipe, sealing it hermetically and taking care not to obstruct the free section with the fume pipe.

TABLE A: Dimensions of the floor protection plate and relative safety distances in mm.

References	Flammable objects	Non-flammable objects
a	200	100
b	800	400
c	200	100

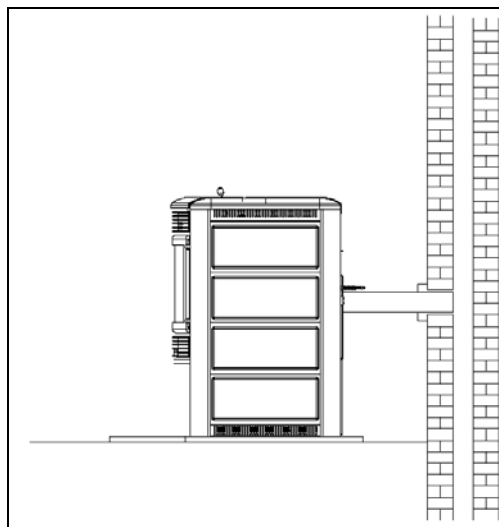


fig. 1

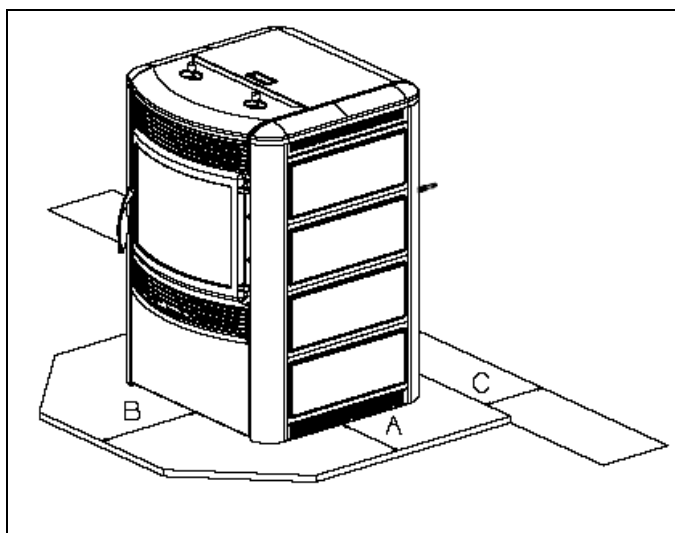


fig. 2

### PRECAUTIONS

1. The appliance must be placed on a flame resistant floor.  
If it is placed on a flammable floor, a floor protection plate must be used. (See table A)
2. The appliance must be connected to a chimney authorised for solid fuels with a minimum diameter of 170 mm.
3. The fume exhaust system is based on the negative pressure in the combustion chamber and a positive pressure exhaust. This makes it essential for the exhaust pipe to be installed correctly and hermetically.
4. To seal and insulate the pipes, only use heat-resistant materials (up to 300 °C) such as adhesive tape in aluminium, rock wool or high-temperature silicone.
5. The stove must be placed, so that the electric cord is easy to reach.

## 6.3 Fume exhaust

In conformity with DPR 412 and UNI 7129-2001, the allowed installations are:

### WITH VERTICAL EXTERNAL OR INTERNAL FLUE

Fig. 3 represents the best solution for discharging the fumes above the roof. Proceed as in previous chapter with the installation of a T-piece with an inspection plug. The external or internal flue must be properly fixed and provided with a chimney pot for protection from rain.

### FUME DISCHARGE THROUGH A CHIMNEY

Fig. 4 is the classic masonry chimney system, of course in addition to Fig.1).

Use a T-piece with an inspection plug and suitable supporting staffs.

If the chimney is too big, we recommend reducing it by inserting a porcelain steel pipe or stainless steel, with a maximum diameter of 150 mm, and appropriately sealing the fume inlet and outlet parts of the fume exhaust from the part in masonry.

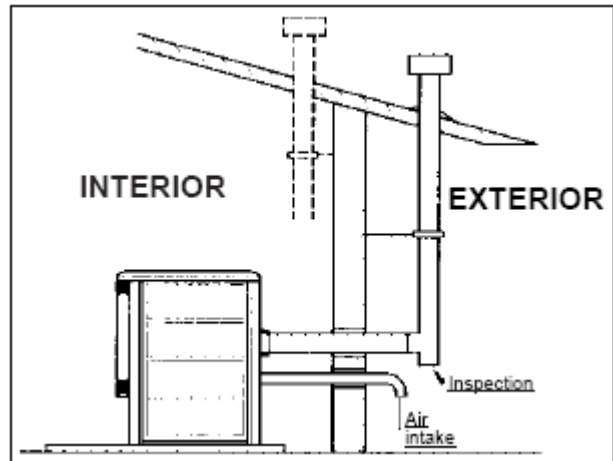


fig. 3

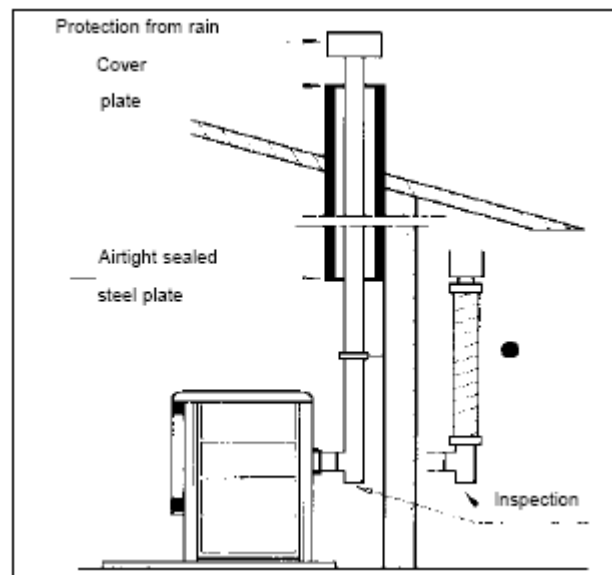


fig. 4

If the fume flue is installed in a fixed way, inspections should be provided for internal cleaning purposes (ash), especially in the horizontal sections.

NOTE: All sections of the flue must be easy to inspect and to remove to allow cleaning. (see ●) (See 4 and 5)

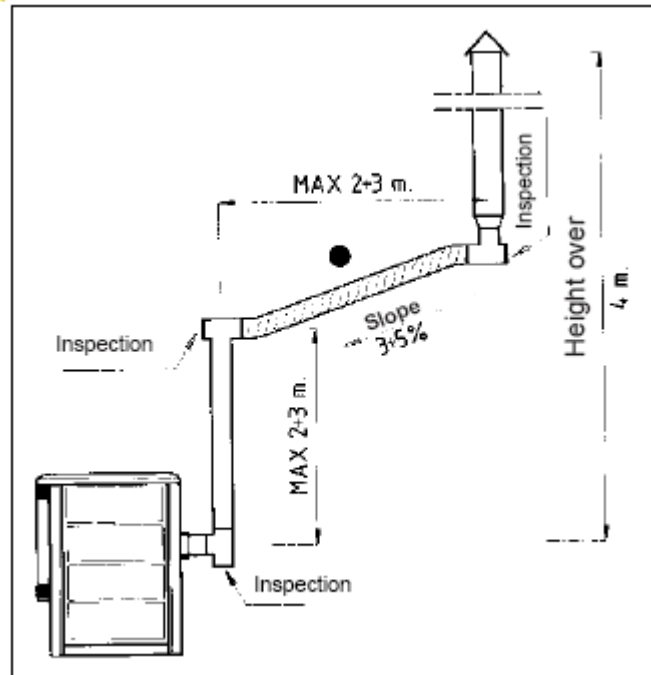
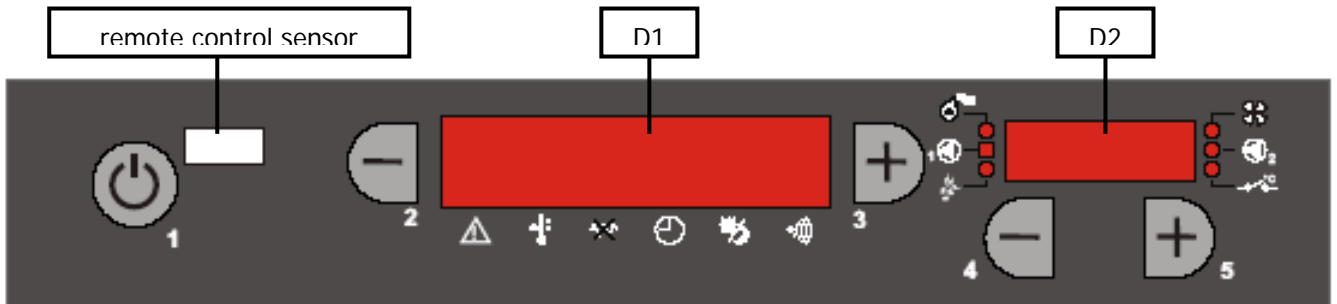


Fig. 5

## 6.4 Electrical connections

The stove is supplied with a power cable which must be connected to a 230 V / 50 Hz socket. The power consumption is indicated in chapter 2 (technical specification). Make sure that the cable does not come into contact with the hot surfaces of the stove.

## 7. CONTROL PANEL



### 1. ON/OFF BUTTON

The stove can be turned on and off automatically by pressing button 1.

### 2-3. SETTING THE TEMPERATURE AND TIMER-THERMOSTAT

The buttons 2-3 are used to adjust the room temperature inside the house and program the **weekly** starts/stops using the timer-thermostat

### 4-5 ADJUSTING THE FEED RATE

The buttons 4-5 are used to adjust the heating power and warm air ventilation starting from a minimum setting of: 4.2 KW/h till to max 22 KW/h













**D1** Display for showing the different messages

**D2** Display for showing the set heating power

## 7.1 Description of control panel alarms

<u>Message</u>	Reason	Solution
Display D1		
<b>GAS FAIL</b>	The fumes motor is blocked. The speed probe is faulty. No elec.feeding to the fumes motor	Check out if the speed probe is correctly connected. Change the Fumes Motor or check elec.feeding. <b>These operations must be carried out by an authorised technician.</b>
<b>GAS PROBE KO</b>	The fumes probe is broken. The fumes probe is not connected to the board.	Check out if the fumes probe is correctly connected by looking at the elec. scheme on the tank, or replace the probe. <b>These operations must be carried out by an authorised technician.</b>
<b>HIGH GAS TEMP</b>	The pellets charge value is too high.	Set the pellets value (see "Pellets Feeding Adjustment") lower. <b>These operations (except pellets adjustment) must be carried out by an authorised technician.</b>
<b>DEPRESSION KO</b>	The gas outlet is obstructed. The combustion chamber is dirty. The pressure feeler is faulty. The ash drawer is not closed correctly.	Check out if the gas outlet and the combustion chamber are clean. Check out if the pressure feeler is ok, replace it. Check out if the drawer is closed correctly. <b>These operations must be carried out by an authorised technician.</b>
<b>IGNITION FAIL</b>	The pellets tank is empty. The ignition plug is faulty.	Check out if the pellets tank is full. Check out if the ignition plug is fitted correctly, change it. <b>These operations must be carried out by an authorised technician.</b>
<b>LACK OF PELLETT</b>	The pellets tank is empty. The pellets feeding is insufficient. The pellet motor still has to settle in.	Fill up the pellets tank. Set the pellets value higher (see "Pellets Feeding Adjustment") Set 3 or 4 as Power Output, choose HOT mode with button 3 and let the stove burn at least 30 hours.
<b>WAITING, COOLING</b>	When trying to switch on a stove again, once it has just been shut down (normal extinction or caused by an alarm message)	Wait s far as the stove has cooled down completely, empty the combustion pot and restart the stove.
<b>TELEPHONE -----</b>	An alarm has occurred.	When an alarm occurs, this phone number (help number) is blinking together with it If no phone number has been inserted, some ---- will appear.
<b>STBY</b>	Stove is off and waiting to start again.	In this mode, the stove can be switched on/off by means of an ext. thermostat. To cut out this mode, please increase the room temperature by pressing on button <b>3</b> .
<b>DOFF</b>	Stove is off because of "Day/Night Temp.Function" and waiting to restart again.	To stop the stove from starting once more, press button 1 three seconds, OFF is displayed. To desable the "Day/Night Temp. Function" completely, press button 4, hold it, press button 5 and take off your fingers.
<b>HOFF</b>	Stove switched off: a) water temperature b) t1 and t2 functioning c) external thermostat	Check out the water temperature and the thermostats
<b>COOLING</b>	Lack of energy	In case the interruption is more than 10 sec, the stove will return

<b>DOOR BLOCKED</b>	The door for the automatic cleaning pot is blocked	<b>These operations must be carried out by an authorised technician.</b>
<b>EXCHANGER CLEANER BLOCKED</b>	The automatic cleaning of the spring is blocked	This is not an alarm

L.E.D.	Reason	Solution
	<b>Chronothermostat</b>	It's on/off when the function Chronothermostat is on/ off.
	<b>Room Thermostat</b>	It is <b>on</b> when the desired temperature has not been reached yet. It is <b>off</b> when the desired temp. is the same as or higher than the room temperature.
	<b>Day/Night Temp. Function</b>	It is on/ off when the Day/Night Temp. Function is on/ off. To activate/ desable this function, press button 4, hold it, press button 5 and take off your fingers.
	<b>Ignition Plug</b>	It is on when the ignition plug has been cut out. It is off when the ignition plug can work. To activate the ignition plug, please contact a technician.
	<b>An Alarm Message is displayed</b>	It is on when an alarm is blinking on display D1. To reset the alarm message, press 3 seconds button 1 when the stove is completely cold.
	<b>Fumes Motor</b>	It is on / off when the fumes motor is working/ not working
	<b>Pellets Motor</b>	It is on / off when the pellets motor is loading/ not loading.
	<b>No meaning</b>	
	<b>External Thermostat</b>	It is on / off when an external thermostat has been connected. On display D1, the message "T.on" appears as well.
	<b>Pump functioning</b>	It is on / off when the pump is working/ not working
	<b>Thermostats T1 and T2</b>	
	<b>Remote Control Signal</b>	It is on when the remote control is transmitting a signal to the appliance

## 7.2 Language setting

To set the language, please do as follows :

1. Turn off and on the stove with the main switch on the stove's back.
2. Following messages will be shown: first, the microchip version, then "**Lingua**", finally "**off**".
3. Press button **5** when "**lingua**" is being shown to enter the setting mode.
4. Enter the selected language with buttons **2** and **3**. Confirm with button **5**.
5. Confirm and leave with button **1**.

## 7.3 Current time setting

To set the current time, please do as follows :

1. Turn off and on the stove with the main switch on the stove's back.
2. Following messages will be shown: first, the microchip version, then "**TIME**", finally "**off**".
3. Press button **5** when "**Orologio**" is being shown to enter the setting mode.
4. On display D1, hour is blinking, whereas minutes are standing. Enter current hour with buttons **2** and **3**. Confirm with button **5**.
5. On display D1, hours are now standing, and minutes are blinking. Enter current minutes with buttons **2** and **3**.
6. To go back to hour setting press button **4**, otherwise confirm and leave with button **1**.

# 8 USE

## BASIC INSTRUCTIONS

The stove you have purchased uses pellets as fuel. This type of material is produced from natural waste from woodworking. Using a special process, which does not require the use of any binder or additive, the shavings are compressed in industrial machines under high pressure and become solid wooden pellets. The combustion of raw material which is not pellet, in our stove **IS FORBIDDEN**.

Failure to respect these instructions annuls all the warranties and could affect the safety of the appliance.

The first two or three times the stove is lit, following recommendations should be observed:

- No children should be present, as the vapours emitted can be harmful for health. Adults should not stay for very long either.
- Do not touch the surfaces, as they could still be unstable.
- Air the room well several times.
- The hardening of the surfaces is completed after several heating processes.
- This stove **must not** be used as **waste incinerator**

## 9 LIGHTING

1. Check that the hopper is loaded, that the combustion chamber is clean, that the glass door is closed, that the power socket is connected and that the switch on the rear is in position 1

2. Press button **1 for three seconds**; for the first 10 seconds, the display D1 will show the message **"start"** with the numbers falling every second.

During this stage, the stove will carry out an auto-control and check the efficiency of every single electrical component.

When this cycle is completed, the display D1 will show the message **IGNITION** (the stove attempts the lighting stage for 15 minutes and the number drops down by 1 every minute that passes).

### NOTE:

**When the hopper of the apparatus is loaded for the first time, pellets are not distributed to the combustion chamber for 15 minutes because the worm screw for loading the pellets is empty. The stove will automatically try another lighting phase for another 15 minutes; if the pellets do not drop into the burning pot in this case either and the fire does not develop, the display will show the message "IGNITION FAIL".**

In this case, press button 1 for three seconds until D1 shows the message "OFF"(note 1) and then repeat the steps from 1 to 3.

3. If points 1 and 2 are carried out correctly, the stove will enter the lighting phase.

4. After this phase the stove will enter the normal functioning: on display D1 will shown **"H20"** and the water temperature, on display D2 the room temperature and the power set.

### N.B.

In case of continued lighting failures, even if the pellets are coming out from the feeding pipe as well, the problem could be that the electrical lighting plug is broken (note 2).

In this case, contact an authorised technician .

### ATTENTION!

- **NEVER USE FLAMMABLE LIQUIDS FOR LIGHTING**
- **WHEN FILLING, DO NOT BRING THE SACK OF PELLETS INTO CONTACT WITH THE HOT STOVE**

**Note 1** : Check that the burning pot is completely free and clean

**Note 2** : In any case always check before lighting the stove that the burning pot is completely free and clean



## 10 NORMAL OPERATION - TURNING OFF- REMOTE CONTROL

### 10.1 Normal operation

When the stove has been lit, the user can adjust the heating power by means of buttons 4 and 5. By pressing 4, the heating power and the pellet consumption will decrease, while by pressing 5 it will increase. In addition to the feed rate, the room temperature can be set directly from the control panel; The stove adjusts itself automatically as far as warm air ventilation is concerned.

The contents of the hopper should be monitored to prevent the stove going out because of a lack of fuel.

#### ATTENTION!

1. The cover of the pellet container must be kept closed, except when loading fuel.
2. The sacks of pellets, must be kept at least 1.5 metres away from the stove.
3. A half hopper of pellets should always be constantly kept .
4. The appliance should be switched off before filling with pellets.

### 10.2 Turning off

Press button 1 for **three seconds**.

At the end of this operation, the stove automatically starts the shutdown stage, cutting off the feeding of pellets. The display **D1** will show the message "off".

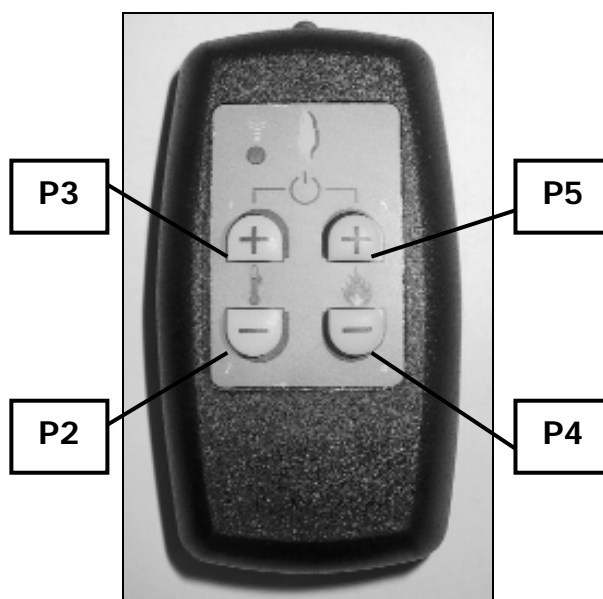
The fume extraction will run until the stove temperature drops sufficiently.

### 10.3 Remote control

The heating power, the desired room temperature and automatic start/stop of the stove can be adjusted by means of the remote control.

Relation between remote control  
Buttons and display buttons

1 = P3+P5	4 = P4
3 = P3	5 = P5
2 = P2	



To light the stove, press both buttons P3 and P5 at the same time for 3 seconds; the stove will automatically enter the starting stage and the display **D1** will show all the information described. After the lighting phase, follows the starting phase allowing the stove to develop and to settle the flame.

When the lighting stage is complete, the stove enters the normal operation and the heating power can be adjusted by means of the buttons **P5 (increase heating) and P4 (decrease)**.

The required room temperature can be +/- adjusted by pressing **P3 or P2**.

To turn off the stove, press both buttons **P3 e P5** at the same time for three seconds. The display **D1** will show the message "**Off**".

The remote control works with a battery of the **MN21 12 volt** type (**the kind used for gate openers**).

## **11 WATER TEMPERATURE ADJUSTING**

The appliance can check the temperature of the water with a digital probe that automatically regulates the functions of the machine as it nears the desired temperature.

When the stove is lit and running in the normal operating mode, the temperature of the water is shown on display D1, while the ambient temperature is shown on display D2.

Adjust the water temperature using buttons 2 and 3. While adjusting, a blinking "**SET**" and the temperature to set (the value has a maximum range from 60 to 80°C) will appear on display D1, while the operating power will be shown on display D2.

When you have set the desired temperature, the message "**SET**" will disappear from the display.

Use buttons 4 and 5 to adjust the power to the desired level. (N.B. Extraflame recommends setting the stove to the maximum power so the heating process of the water is faster; the stove will automatically decrease the power as it nears the set temperature).

During the normal operation "H2O and the real water temperature" will appear on display D1, while the "ambient temperature and operating power" will be shown on display D2.

When the appliance reaches the temperature set it automatically drops to a minimum operating level and the relevant luminous indicator goes out in display D1 (see description *display table*).

## 12 USER PARAMETERS

Display D1	Display D2	Function
<b>Chronothermostat</b>		
Off	ut 1	Start/Stop chronothermostat, setting current day
00	ut 4	<b>Installer Parameter</b>
00:00	ut 5	First Ignition Time
00:00	ut 6	First Extinction Time
Off 1	ut 7	Consents 1st Ignition/Extinction on the weekdays
00:00	ut 8	Second Ignition Time
00:00	ut 9	Second Extinction Time
Off 1	ut A	Consents 2nd Ignition/Extinction on the weekdays
<b>Day-Night Temperature Function</b>		
06:00	ut B	Start Day Phase/End Night Phase
22:00	ut C	Start Night Phase/End Day Phase
25	ut D	Maximal Temperature Day Phase
20	ut E	Maximal Temperature Night Phase
<b>Pellets Loading Setting</b>		
00	F	% Pellets Loading Setting
<b>Springs Cleaning</b>		
off	ut G	Start spring cleaning
00	ut H	End spring cleaning

### 12.1 Chronothermostat

The function Chronothermostat enables to set up to **2** heating periods during the day.

Ex: From **6** to **9** a.m. and from **6** to **9** p.m.

Furthermore, one or both heating periods must succeed on the same day, within 24 hours.

Ex: Lighting 9 a.m./Turning Off 6 p.m. → **ok**

Lighting 9 p.m./Turning Off 5 a.m. → **wrong**

Before programming this function, it is necessary to set current time (see *current time setting at par. 1*)

To access the Chronothermostat Setting, press button **3**, hold it, press button **5** and take off your fingers.

#### Parameter 1 (D2 = 1, D1 = off)

Following values can be entered:

- "off" = chronothermostat function is off
- "day1"... "day7" = enter the current day with buttons **2** and **3**.

Please refer to following table to set the current day:

On Display D1	Meaning
Day 1	Monday
Day 2	Tuesday
Day 3	Wednesday
Day 4	Thursday
Day 5	Friday
Day 6	Saturday
Day 7	Sunday

By entering the current day, the function Chronothermostat is on.

Press now button **5** to carry on in this setting.

**Parameter 4 (D2 = 4, D1 = Ex "00" )** Installer set. Press **5** to go forward.

**Parameter 5 (D2 = 5, D1 = Ex "07:00" )**

By pressing button **2** or **3**, you'll enter here the time of the lighting in the 1<sup>st</sup> heating period.

Press on button **5** to confirm and go to the next step.

**Parameter 6 (D2 = 6, D1 = Ex "12:00" )**

By pressing button **2** or **3**, enter here the time of the turning off in the 1<sup>st</sup> heating period.

Press on button **5** to confirm and go to the next step.

**Parameter 7 (D2 = 7, D1 = Ex "off 1" )**

At this step, you choose on which days of the week the first heating period has to take place. The procedure to carry out as follows:

- Button **3** → you go through all days of the week.
- Button **2** → you set ON/OFF on this day.

Press button **5** to confirm and go to the following step.

**Parameter 8 (D2 = 8, D1 = Ex "15:00" )**

By pressing button **2** or **3**, you'll enter here the time of the lighting in the 2<sup>nd</sup> heating period.

Press on button **5** to confirm and go to the next step.

**Parameter 9 (D2 = 9, D1 = Ex "21:00" )**

By pressing button **2** or **3**, enter here the time of the turning off in the 2<sup>nd</sup> heating period.

Press on button **5** to confirm and go to the next step.

**Parameter A (D2 = A, D1 = Ex "off 1" )**

At this step, you choose on which days of the week the second heating period has to take place. The procedure to carry out as follows:

- Button **3** → you go through all days of the week.
- Button **2** → you set ON/OFF on this day.

Press button **5** to confirm and leave.

**NOTA BENE:**

When the Chronothermostat is on, this can be shown on the display in two ways:

1. Display D1 → a blinking square
2. Display with leds → the led corresponding to the Chronothermostat is on.

To turn off the function Chronothermostat, enter the User Parameters.

Press button **3**, hold it, press button **5** and take off your fingers. On Display D2, a blinking "1". Set with buttons **2** or **3** "off" mode, and confirm by pressing on button "1"

Manual impulsions coming from either the display or the remote control have priority on any program.

## 12.2 Day/ Night Temperature Function

The Day/ Night Temperature function gives the possibility to switch on and off automatically the appliance according to two preset temperatures.

This function enables to set a temperature for the Day Phase and one for the Night phase.

Before programming this function, it is necessary to set current time (see *current time setting at par. 1*)

To access the Day Night Temperature Setting, press button **3**, hold it, press button **5** and take off your fingers.

Then, press on button **5** as far as value "b" (on D2) is reached.

### Parameter B (D2 = b, D1 = Ex "06:00" )

By pressing on buttons **2** and **3**, the start of the Day Phase is set. The same start corresponds to the end of the Night Phase.

Press button **5** to confirm and carry on in the setting.

### Parameter C (D2 =c, D1 = Ex "22:00" )

By pressing on buttons **2** and **3**, the end of the Day Phase is set. The same end corresponds to the start of the Night Phase.

Press button **5** to confirm and carry on in the setting.

### Parameter D (D2 =d, D1 = Ex "25°C" )

By pressing on buttons **2** and **3**, the max. temperature for the Day Phase is set.

Press button **5** to confirm and carry on in the setting.

### Parameter E (D2 =e, D1 = Ex "20°C" )

By pressing on buttons **2** and **3**, the max. temperature for the Night Phase is set.

Press button **5** to confirm and carry on in the setting.

Press button **1** to confirm and leave.

To run or stop this function, press button **4**, hold it, then press button **5** and take off your fingers.

When the Day/Night Temperature function is activated, the led corresponding to the Day/Night Temp. function is on.

### Day Night Temperature Function

Display D1	Display D2	Funktion
06:00	B	start Day Phase/ end Night Phase
22:00	C	Start Night Phase/ end Day Phase
25°C	D	max. temperature Day Phase
20°C	E	max. temperature Night Phase

When the stove switches off because the max. temperature has been reached, the message “**doff**” will appear on D1.

The stove will switch on again when the room temperature is **3°C** lower.

Manual impulsions coming from either the display or the remote control have priority on any program.

### 12.3 Pellets Feeding Adjustment

If the stove has any kind of problem caused by the amount of pellets, you can directly set it on the display. We can divide the problems related to the combustible quantity into 2 categories:

#### LACK OF PELLETT

- The stove cannot develop a suitable flame, tending to burn very low also at high speeds.
- At lowest speed, the stove tends to burn out/burns out, bringing the message “NO PELL” on the display.
- When “NO PELL” is displayed, some “not burnt” pellets can still lie in the combustion pot.

#### EXCESS OF PELLETT

- The stove develops a very high flame also at low speeds.
- The flame tends to soil the panoramic glass very much, darkening it nearly completely.
- The combustion pot tends to become encrusted, blocking the air intake holes, as pellets are not completely burnt.

N.B: If the problem occurs only some working-months later, please verify whether the ordinary cleanings, mentioned in the User Manual, have been carried out.

The setting to be carried out is a setting per cent. This means that any change of this parameter will imply a proportional variation on all loading speeds of the stove.

To enter the proportional variation of the pellets loading, you have to press button **3**, and while keeping it pressed, press button **5**.

Now, move by means of button **5** through the menu, as far as you see an **"F"** blinking on **D2**.

If you go beyond this value unintentionally, exit by pressing button **1** and repeat this procedure.

The value **"00"** will be displayed on **D1**: by means of buttons **2** and **3**, you'll be able to set an increasing/decreasing per cent of 5 points (ex 00, 05, 10).

The scale goes from - 50 to + 50. Once you set this value, confirm and leave this program by pressing button **1**.

<b>LACK OF PELLET</b>	Increase the value per cent of 5 points e start the stove with this new value. If the problem is lightened but not solved, increase of 5 points more. Repeat this process as far as the problem is solved. If the problem cannot be solved, please turn to the Technical Assistance.
<b>EXCESS OF PELLET</b>	Decrease the value per cent of 5 points e start the stove with this new value. If the problem is lightened but not solved, decrease of 5 points more. Repeat this process as far as the problem is solved. If the problem cannot be solved, please turn to the Technical Assistance

## 12.4 Springs automatic cleaning times

<b>SPRING AUTOMATIC CLEANING TIMES</b>		
Display D1	Display D2	Function
08:00	ut G	Automatic cleaning start time
22:00	ut H	Automatic cleaning end time

These 2 parameters let you establish the period within which the automatic cleaning of the springs will be activated.

To change these parameters press button 3 and, holding it down, press button 5.

Once in the user parameters page, use button 5 to navigate until you see "ut G" in display D2.

Parameter G (D2=ut G; D1=Es. "08:00")

Using buttons 2 and 3, you can change the start of the automatic cleaning period. To confirm and continue programming, press button 5.

Parameter H (D2=ut H; D1=Es. "22:00")

Using buttons 2 and 3, you can change the end of the automatic cleaning period. To confirm and continue programming, press button 5.

At this point, at the times not included in the period created, the automatic cleaning will be disabled.

## 13 CLEANING AND MAINTENANCE

The maintenance operations guarantee the correct operation of the product in time. If these operations are neglected this can prejudice the safe use of the product

### 1. CLEANING THE POT

Thanks to a mechanical system the brazier is cleaned at preset intervals automatically by the stove. In any case Extraflame recommends using a vacuum cleaner to remove any residues of ash at least every other day (figures 1 and 2). During this operation it is just as important to check the springs visually: if they are very dirty we recommend helping the ash drop down by shaking the springs with the poker supplied (figure 3).



fig. 1



fig. 2

### 2. CLEANING THE SPRINGS

The heat exchangers are cleaned automatically by a mechanical system that lets you guarantee a constant performance in time. This automatic system can be excluded at certain times (for example at night) to prevent any noise caused by the mechanical movement involved in cleaning (see chapter: springs automatic cleaning times).



fig. 3



fig. 4

### 3. ASH DRAWER

The residues of combustion are deposited in the bottom ash drawer. The procedure for removing the draw is as follows:

Press the bottom door downwards and turn it outwards. Turn the handle 90° so the drawer disengages from the body of the stove.

Pull out the drawer and empty the ash. Extraflame recommends emptying the drawer at least every other day. To replace the drawer proceed in the opposite order.



fig. 5

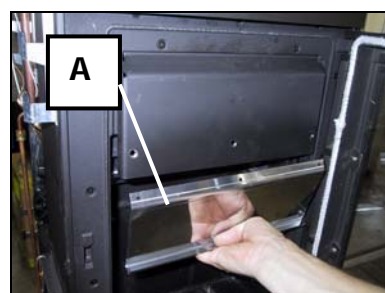


fig. 6

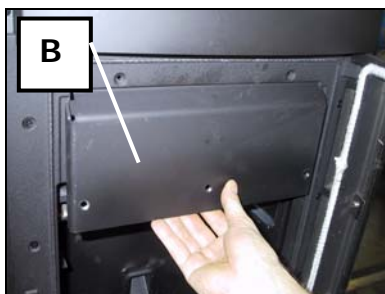


fig. 7



fig. 8

### 4. CENTRAL FUMES DEFLECTOR

Once on a month, it is necessary to remove the deflector. To take it off, follow the operations:

Take off the part A (fig. 6)

Take off the part B (fig. 7)

Take the deflector (fig. 8)



## 5. FRONT INSPECTION COVER

There are other hidden sprigs on the stove for cleaning the inside of the heat exchanger. To remove this ash, dismantle the front inspection cover by unscrewing the 4 wing nuts, and clean with a vacuum cleaner. At the end of the operation, replace the inspection cover. This operation should be executed once a month (figure 9-10-11).



fig. 9



fig. 10



fig. 11

## 6. Door and ash drawer gaskets

The gaskets make the stove hermetic so it functions correctly.

They should be checked periodically: if they are worn or damaged they should be replaced immediately.

These operations must be performed by a qualified technician.

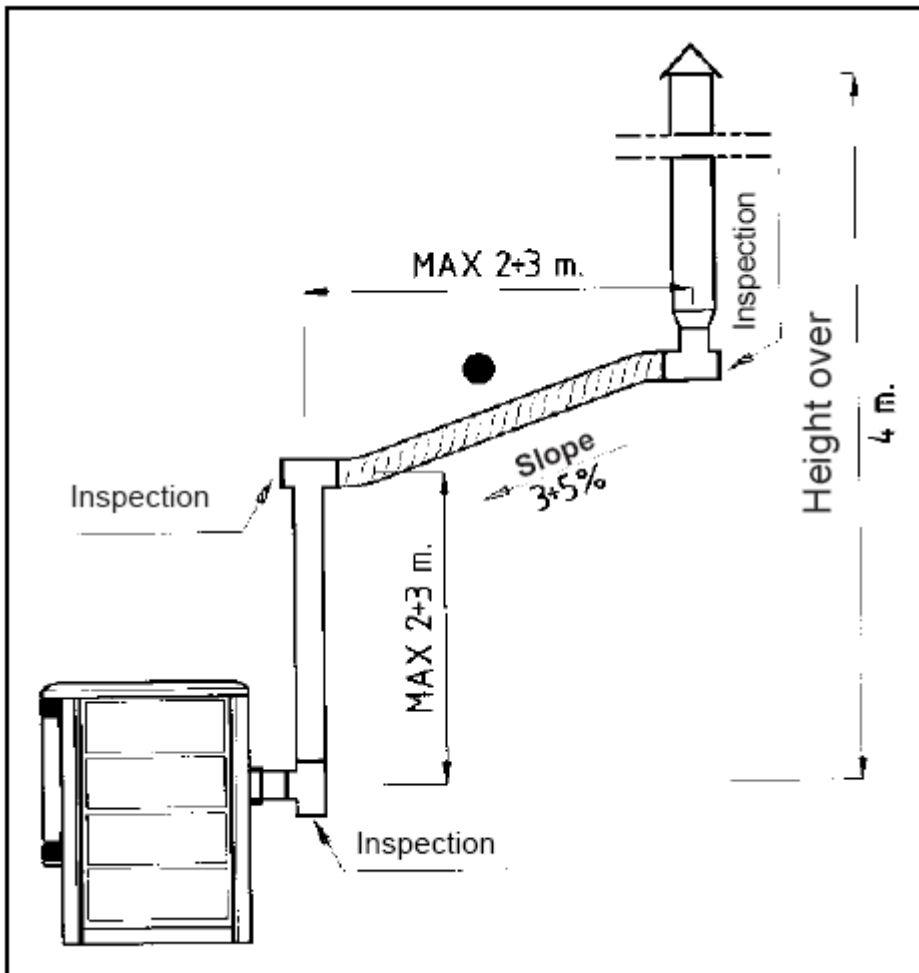
N.B. To work properly the stove must be serviced, with a qualified technician doing the relevant routine maintenance at least once a year.

If the power cable is damaged, it must be replaced by the technical service department or in any case by someone with similar qualifications, to avoid any risks.

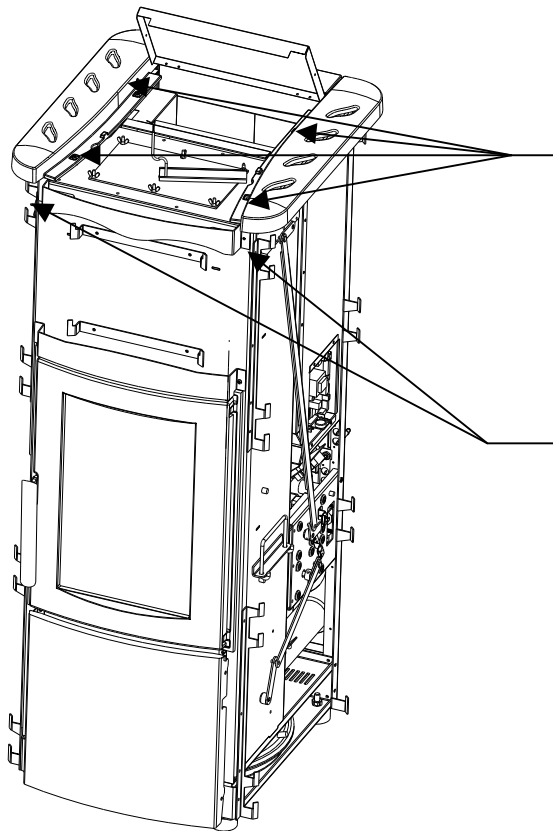
## 13.1 CONNECTION TO THE CHIMNEY

Once a year, or whenever needed, vacuum and clean the connection to the chimney. In case of horizontal sections, remove any ash residues (see lat. photo) before these can obstruct the smokes flow.

**Failure to the cleaning, affect the safety of the stove.**



## 14 ASSEMBLY INSTRUCTIONS FOR CERAMICS

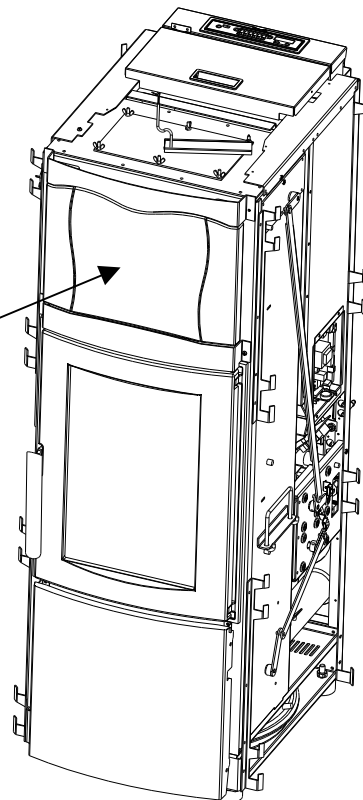


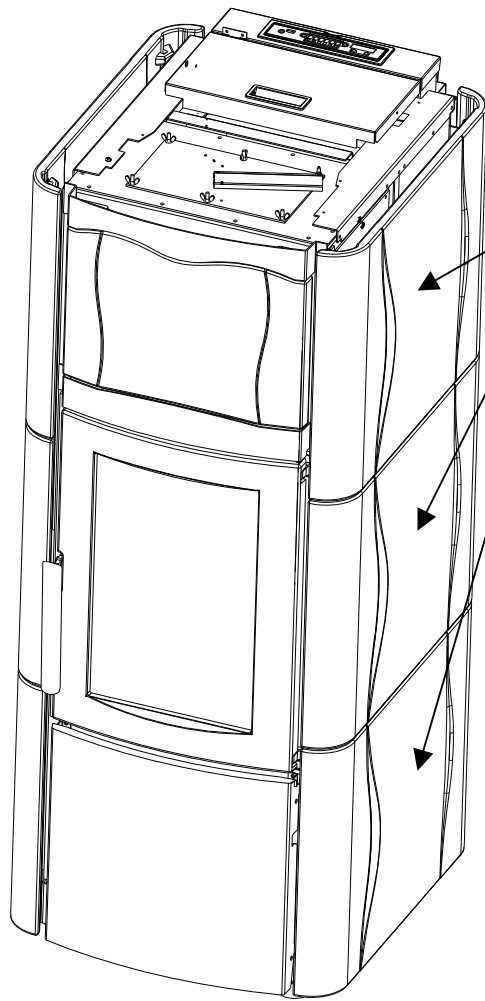
1. remove the 4 screws from the 2 cast-iron lateral profiles as in the drawing

2. remove the 2 fixing screws from the upper grill

3. place the central tile on the iron hooks

4. fix the upper grill with the 2 screws previously removed

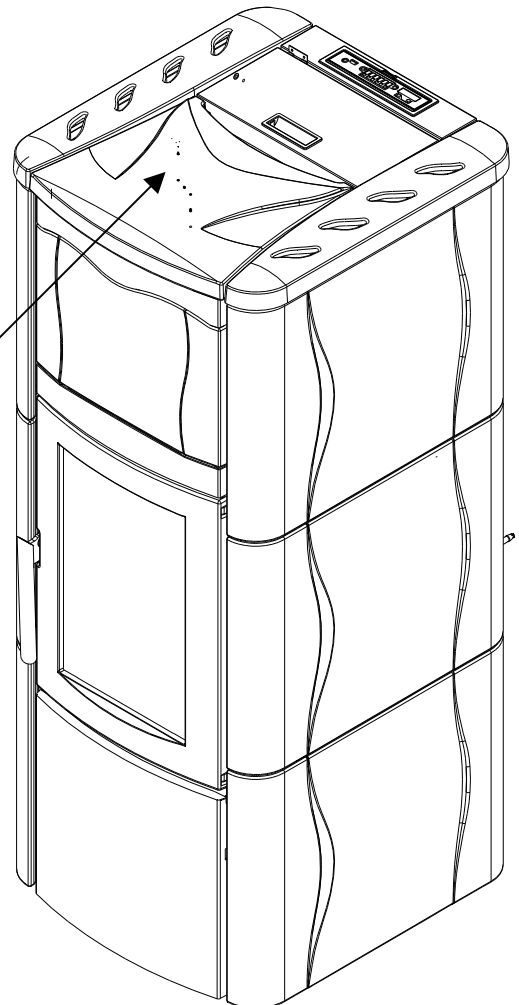




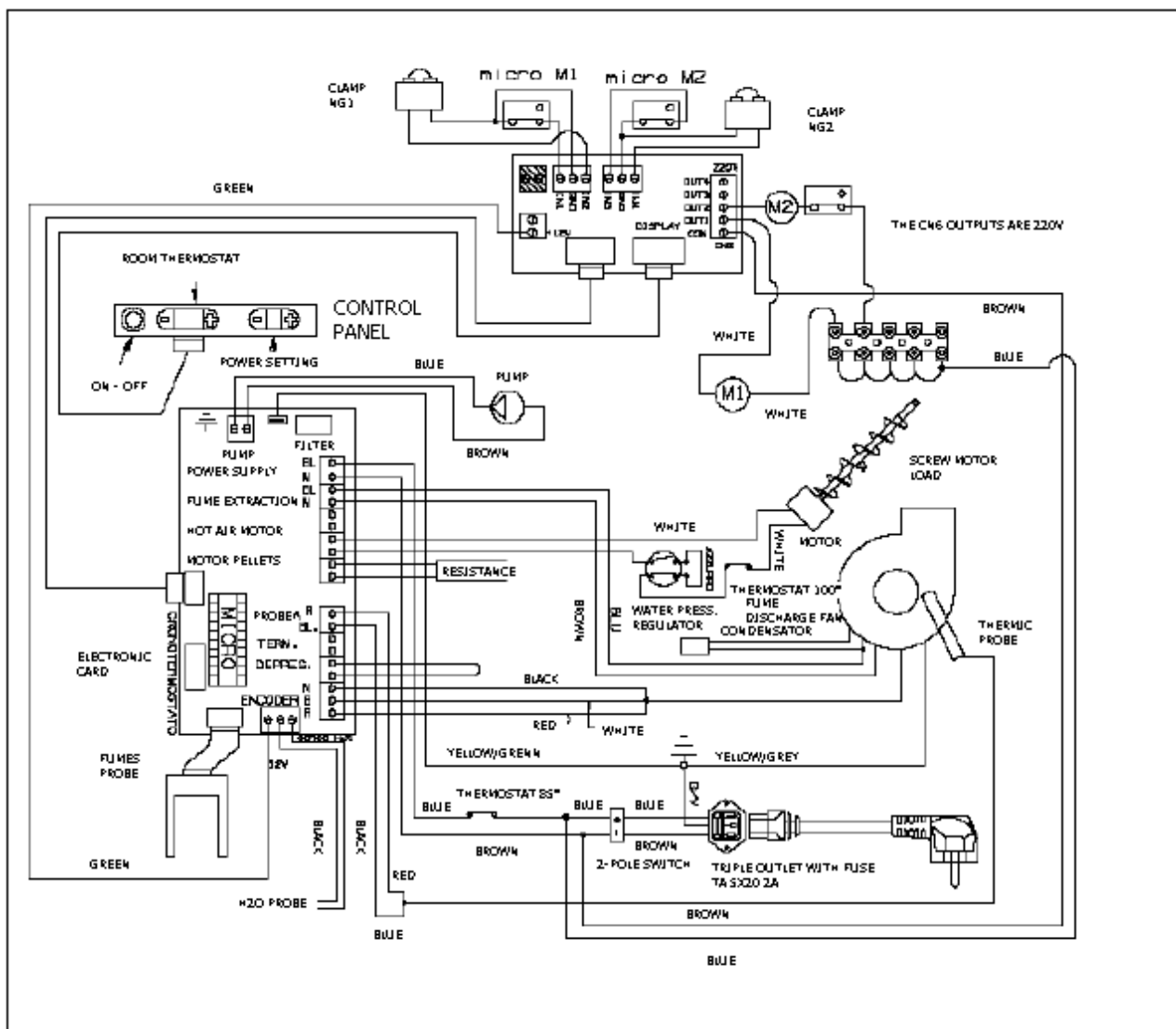
5. starting from the bottom, place the tiles on the iron hooks. Do the same on the other side of the oven (NB the lateral tiles are the same)

6. place the 2 cast-iron lateral profiles on the initial position and fix them with the 4 screws previously removed

7. place the ceramic cover between the 2 cast-iron lateral profiles



## 15 ELECTRICAL PLANT



Lucrezia Idro

## **16 GUARANTEE**

### **All the stoves are guaranteed 24 months.**

The warranty will be recognised on condition that the purchaser fills in the attached form completely and mails it within 8 days.

The date of purchase must be validated by the possession of a fiscally valid receipt provided by the vendor.

Components, which the manufacturer recognises, as having been defective at origin will be replaced free of charge and will be substituted by the technician who installed the appliance.

### **The appliance must be used as this instruction manual explains.**

#### **Warranty will not cover the following:**

atmospheric, chemical or electrochemical agents, fire, negligence or inexperience, failure to observe the laws in force, defects in the electrical system, lack of maintenance, tampering with the product, or ineffective flues/chimneys.

The warranty will cease in the event of overheating, that is the combustion of non-conforming materials (see manual).

#### **EXCLUSION FROM THE GUARANTEE :**

All the parts subject to wear **are excluded from the warranty**. This category includes: the gaskets, the grate, the coating of the stove, the ceramic glass, and the painted or gilded parts and those in ceramics.

**Chromatic variations and slight dimensional differences in the ceramic parts shall not constitute reasons for complaints, as they are natural characteristics of the materials themselves.**

All of any costs (repair, transport, etc.) claimed against the manufacturer or dealer for improper exercise of the warranty rights, by the purchaser, will be charged to the user.

**Damage caused by transport will not be recognised; you are therefore advised to carefully inspect the goods on receipt, and immediately inform the dealer of any damage.**

**The manufacturer will not be liable for direct or indirect damage caused by or depending on the product.**

## 17 QUALITY CONTROL

Model

Serial nr.

Tests carried out

- Automatic lighting		
- Combustion air motor		
- Convection air motor		
- Aesthetic aspect		
- Packaging/Technical data		

Operator's signature \_\_\_\_\_

**Dealer's stamp**

Date of purchase \_\_\_\_\_

**Cut out and send to the manufacturer within 8 days from purchase**

Name

Surname

Address

Postal code

Living city

Telephone

Model

Serial number

Dealer

Date of purchase

**Dealer's stamp**

---



**Extraflame**

---



**Extraflame**

# Pellets stove

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