

Extraflame®

Riscaldamento a Pellet



UK

MADE IN ITALY
design & production

PELLET STOVES USER MANUAL
LUISELLA 5.0 MAXI

APPLY TECHNICAL DATA LABEL



ATTENTION



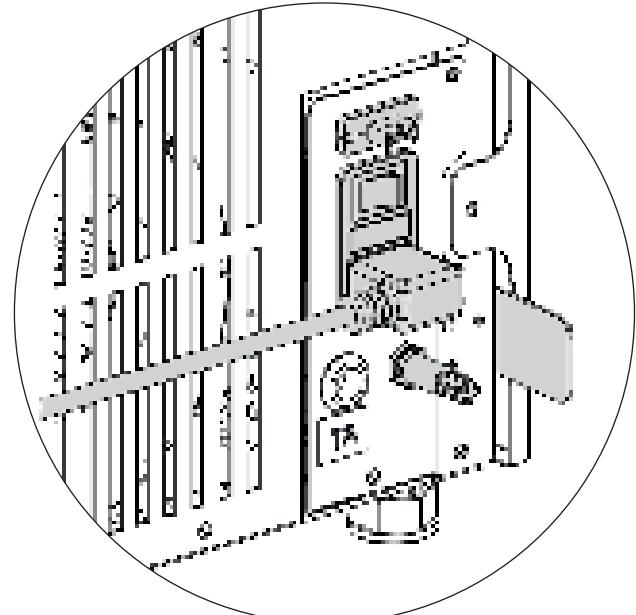
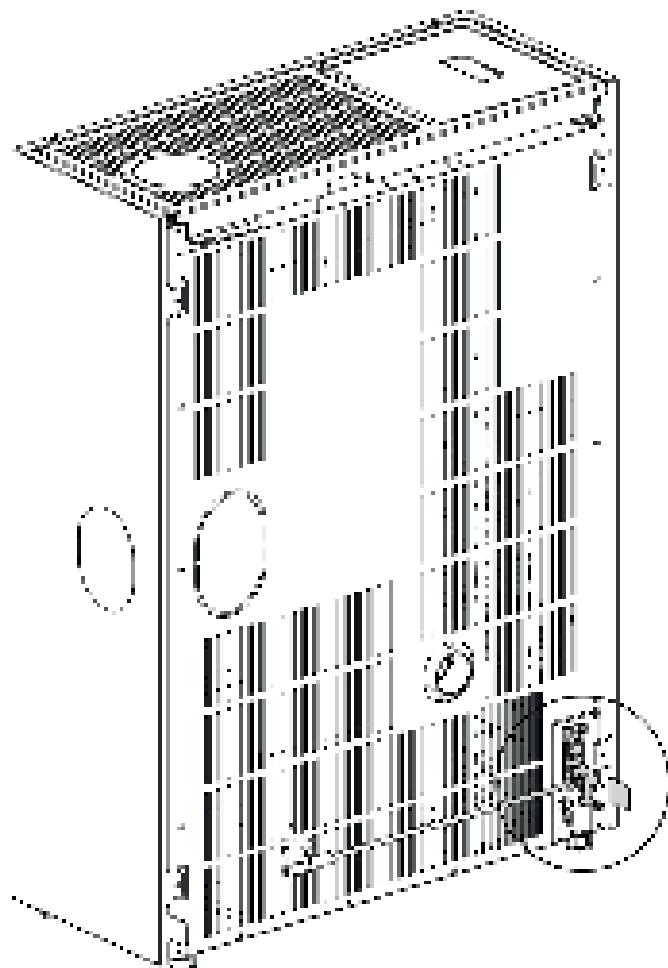
**SURFACES CAN BECOME VERY HOT!
ALWAYS USE PROTECTIVE GLOVES!**

During combustion, thermal energy is released that significantly increases the heat of surfaces, doors, handles, controls, glass, exhaust pipes, and even the front of the appliance. Avoid contact with those elements if not wearing protective clothing (protective gloves included). Make sure children are aware of the danger and keep them away from the stove during operation.

ENGLISH..... 5

WARNINGS	5
SAFETY	5
ROUTINE MAINTENANCE	7
INSTALLATION	8
HERMETICALLY SEALED INSTALLATION	11
COMBUSTION AIR	11
FUMES EXHAUST SYSTEM	11
DETAILS OF LUISELLA 5.0 MAXI	12
SPACERS	13
FUSE	13
FLUE GAS OUTLET INSTALLATION	14
ACCESSORI OPZIONALI	14
STOVE POSITIONING	15
NOTE FOR CORRECT OPERATION	15
PELLETS AND LOADING	16
REMOTE CONTROL	17
REMOTE CONTROL ICONS	18
INSERTING THE BATTERIES	18
ADVICE AND PRECAUTIONS FOR THE USE OF THE REMOTE CONTROL	18
THE DISPLAY DESCRIPTION OF BASIC COMMANDS AND SYMBOLS	19
DISPLAY ICONS KEY	19
GENERAL MENU	20
GENERAL WARNINGS	20
COMMISSIONING SETTINGS	21
DATE (DATE)	21
DAY	21
TIME (TIME)	21
LNG (LANGUAGE)	21
CHMN (CHIMNEY FLUE TYPE)	21
C-F (CELSIUS/FAHRENHEIT)	21
OPERATION AND LOGIC	22
AIR (VENTILATION)	23
EASY (PELLET CALIBRATION)	23
STAT (STATUS)	24
CRNO (CHRONO)	24
ABIL (ENABLE)	24
PRG 1-4 (PROGRAMMING 1-4)	24
SET (SETTINGS)	27
STBY (STAND-BY)	27
OPERATION WITH SUPPLEMENTARY THERMOSTAT (OPTIONAL)	27
DELT (DELTA-T)	27
CLEA (ROUTINE CLEANING)	28
RES (RESET)	28
EC (EASY CONTROL)	28
WI-FI	28
OPERATION AND SOLUTIONS	29
ADDITIONAL FUNCTIONS	30
KEY LOCK	30
FIRST LOAD	30
DELAY SWITCH-OFF	30
SUPPLEMENTARY THERMOSTAT INSTALLATION (OPTIONAL)	30
CLEANING AND MAINTENANCE	31
MAINTENANCE	31
PERIODIC CLEANING UNDER USER'S RESPONSIBILITY	31
BURN POT DETAIL	34
ROUTINE MAINTENANCE PERFORMED BY QUALIFIED TECHNICIANS	35
SHUT-DOWN (END OF SEASON)	35
DISPLAYS	39
ALARMS	39
DISPOSAL	41
SYMBOL EN 16510-1	42

<p>ATTENZIONE ! DURANTE LA MOVIMENTAZIONE DELLA MACCHINA, FARE PARTICOLARE ATTENZIONE AI COMPONENTI IN DETTAGLIO!</p>	<p>OPGELET! LET TIJDENS DE VERPLAATSING VAN DE MACHINE IN HET BIJZONDER OP VOOR DE ONDERDELEN IN HET DETAIL!</p>
<p>WARNING! DURING THE HANDLING OF THE MACHINE, PAY ACCURATE ATTENTION TO THE COMPONENTS IN DETAIL!</p>	<p>TÄHELEPANU! MASINA TEISALDAMISE AJAL OLGE ERITI ETTEVAATLIK ERAALDATUD KOMPONENTIDEGA!</p>
<p>ATTENTION! PENDANT LE DEPLACEMENT DE LA MACHINE, FAIRE TRES ATTENTION AUX COMPOSANTS EN DETAIL.</p>	<p>UWAGA ! PODCZAS PRZEMIESZCZANIA URZĄDZENIA, ZWRÓCIĆ SZCZEGÓLNAJ UWAGĘ NA WSKAZANE KOMPONENTY!</p>
<p>WARNUNG! BEI DER HANDHABUNG DER MASCHINE BEACHTEN SIE DIE KOMPONENTEN IM DETAIL!</p>	<p>UPOZORENJE! ZA VRIJEME RUKOVANJA STROJEM, OBRATITE POSEBNU POZORNOST DETALJNO OBRATITE PAŽNU NA KOMPONENTE!</p>
<p>ATENCION! DURANTE EL DESPLAZAMIENTO DE LA MAQUINA, TENER MUCHO CUIDADO A LOS COMPONENTES EN DETALLE. ATENÇÃO ! DURANTE A MOVIMENTAÇÃO DA MÁQUINA, PRESTAR ESPECIAL ATENÇÃO AOS COMPONENTES EM DETALHE! OPGELET!</p>	<p>ADVARSEL! UNDER HÅNDTERING AF MASKINEN, GØR SÆRLIGE OPMÆRKSOMHED PÅ KOMPONENTERNE I DETALJER!</p>
	<p>OPOZORILO ! PRI RAVNANJU S STROJEM BODITE POSEBNO POZORNI POZORNOST NA KOMPONENTE DO PODROBNOSTI!</p>



HANDLE WITH CARE

We thank you for having chosen our company; our product is a great heating solution developed from the most advanced technology with top quality machining and modern design, aimed at making you enjoy the fantastic sensation that the heat of a flame gives, in complete safety.

WARNINGS

This instructions manual is an integral part of the product: make sure that it always accompanies the appliance, even if transferred to another owner or user, or if transferred to another place. If it is damaged or lost, request another copy from the area technician. This product is intended for the use for which it has been expressly designed. The manufacturer is exempt from any liability, contractual and extracontractual, for injury/damage caused to persons/animals and objects, due to installation, adjustment and maintenance errors and improper use.

Installation must be performed by qualified staff, which assumes complete responsibility for the definitive installation and consequent good functioning of the product installed. One must also bear in mind all laws and national, regional, provincial and town council Standards present in the country in which the appliance has been installed, as well as the instructions contained in this manual.

The use of the appliance must comply with all local, regional, national and European regulations.

The Manufacturer cannot be held responsible for the failure to comply with such precautions.

After removing the packaging, ensure that the content is intact and complete. Otherwise, contact the dealer where the appliance was purchased. All electric components that make up the product must be replaced with original spare parts exclusively by an authorised after-sales centre, thus guaranteeing correct functioning.

SAFETY

- ♦ **THE APPLIANCE MAY BE USED BY CHILDREN 8 YEARS OF AGE OR OLDER AND INDIVIDUALS WITH REDUCED PHYSICAL, SENSORY, OR MENTAL CAPACITIES OR WITHOUT EXPERIENCE OR THE NECESSARY KNOWLEDGE, PROVIDED THAT THEY ARE SUPERVISED OR HAVE**

RECEIVED INSTRUCTIONS ON SAFE USE OF THE APPLIANCE AND THAT THEY UNDERSTAND THE INHERENT DANGERS.

- ◆ THE GENERATOR MUST NOT BE USED BY PERSONS (INCLUDING CHILDREN) WITH REDUCED PHYSICAL, SENSORY AND MENTAL CAPACITIES OR WHO ARE UNSKILLED PERSONS, UNLESS THEY ARE SUPERVISED AND TRAINED REGARDING USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY.
- ◆ THE CLEANING AND MAINTENANCE REQUIRED BY THE USER MUST NOT BE PERFORMED BY CHILDREN WITHOUT SUPERVISION.
- ◆ CHILDREN MUST BE CHECKED TO ENSURE THAT THEY DO NOT PLAY WITH THE APPLIANCE.
- ◆ DO NOT TOUCH THE GENERATOR WHEN YOU ARE BAREFOOT OR WHEN PARTS OF THE BODY ARE WET OR DAMP.
- ◆ IT IS FORBIDDEN TO MODIFY THE APPLIANCE IN ANY WAY.
- ◆ DO NOT PULL, REMOVE, TWIST THE ELECTRICAL CABLES COMING OUT OF THE PRODUCT EVEN IF IT IS DISCONNECTED FROM THE MAINS.
- ◆ IT IS ADVISED TO POSITION THE POWER SUPPLY CABLE SO THAT IT DOES NOT COME INTO CONTACT WITH HOT PARTS OF THE APPLIANCE.
- ◆ THE POWER SUPPLY PLUG MUST BE ACCESSIBLE AFTER INSTALLATION.
- ◆ DO NOT CLOSE OR REDUCE THE DIMENSIONS OF THE AIRING VENTS IN THE PLACE OF INSTALLATION. THE AIRING VENTS ARE ESSENTIAL FOR CORRECT COMBUSTION.
- ◆ THE COMBUSTION CHAMBER DOOR MUST ALWAYS BE CLOSED WHEN THE STOVE IS OPERATING AND MUST ONLY BE OPENED TO ADD FUEL, LIGHT AND CLEAN IT.
- ◆ THE HEARTH DOOR MUST ALWAYS BE CLOSED DURING NORMAL FUNCTIONING OF THE PRODUCT.
- ◆ WHEN THE APPLIANCE IS FUNCTIONING AND HOT TO THE TOUCH, ESPECIALLY ALL EXTERNAL SURFACES, ATTENTION MUST BE PAID
- ◆ CHECK FOR THE PRESENCE OF ANY OBSTRUCTIONS BEFORE SWITCHING THE APPLIANCE ON FOLLOWING A PROLONGED PERIOD OF INACTIVITY.
- ◆ THE GENERATOR HAS BEEN DESIGNED TO ADJUST ITSELF AUTOMATICALLY IN PARTICULAR OPERATING CONDITIONS
- ◆ THE GENERATOR HAS BEEN DESIGNED TO FUNCTION IN ANY CLIMATIC CONDITION. IN PARTICULARLY ADVERSE CONDITIONS (STRONG WIND, FREEZING) SAFETY SYSTEMS MAY INTERVENE

THAT SWITCH THE GENERATOR OFF. IF THIS OCCURS, CONTACT THE TECHNICAL AFTER-SALES SERVICE AND ALWAYS DISABLE THE SAFETY SYSTEMS.

- ◆ IN THE EVENT THE FLUE CATCHES FIRE, USE SUITABLE SYSTEMS FOR SUFFOCATING THE FLAMES OR REQUEST HELP FROM THE FIRE BRIGADE.
- ◆ THIS APPLIANCE MUST NOT BE USED TO BURN WASTE
- ◆ NEVER USE PETROL, KEROSENE, LIGHTER FUEL, ETHANOL OR SIMILAR LIQUIDS TO START OR "RELIGHT" THE GENERATOR.
- ◆ DURING THE FILLING PHASE DO NOT PUT THE BAG OF PELLETS INTO CONTACT WITH THE PRODUCT
- ◆ THE MAJOLICAS ARE TOP QUALITY ARTISAN PRODUCTS AND AS SUCH CAN HAVE MICRO-DOTS, CRACKLES AND CHROMATIC IMPERFECTIONS. THESE FEATURES HIGHLIGHT THEIR VALUABLE NATURE. DUE TO THEIR DIFFERENT DILATION COEFFICIENT, THEY PRODUCE CRACKLING, WHICH DEMONSTRATE THEIR EFFECTIVE AUTHENTICITY. TO CLEAN THE MAJOLICAS, IT IS RECOMMENDED TO USE A SOFT, DRY CLOTH. IF A DETERGENT OR LIQUID IS USED, THE LATTER COULD PENETRATE INSIDE THE CRACKLES, HIGHLIGHTING THEM.
- ◆ SINCE THE PRODUCT CAN TURN ON AUTOMATICALLY THANKS TO THE TIMER, OR REMOTELY USING THE DEDICATED APPLICATIONS, IT IS STRICTLY FORBIDDEN TO LEAVE ANY COMBUSTIBLE OBJECT WITHIN THE SAFETY DISTANCES INDICATED ON THE TECHNICAL DATA PLATE.
- ◆ INTERNAL COMBUSTION CHAMBER PARTS CAN BE SUBJECT TO EXTETICAL WARN, IT DOESN'T AFFECT THE FUNCTIONALITY

ROUTINE MAINTENANCE

Based on Decree 22 January 2008 n°37 art.2, routine maintenance means interventions aimed at reducing degradation due to normal use, as well as dealing with accidental events entailing the need of first interventions, which however do not modify the structure of the system upon which one is intervening or its intended use according to the requirements laid down by the technical standards in force and by the manufacturer's use and maintenance manual.

INSTALLATION

GENERAL

The support surfaces and/or points must have a suitable load-bearing capacity to support the weight of the appliance, of the accessories and coatings. The generator must be on the level for correct operation.

The flue extraction and hydraulic connections must be carried out by qualified personnel who must issue documentation of conformity according to the regulations of the country of installation.

The installer must give the owner or their representative, the declaration of system conformity, in accordance with current legislation, including:

- 1) the use and maintenance manual of the appliance and of the system components (such as for example, the smoke ducts, chimney, etc.);
- 2) photocopy or photograph of the chimney plaque;
- 3) system booklet (where applicable).

The installer must ask to be issued with a receipt stating that the documentation has been provided, and must keep it with a copy of the technical documentation relating to the installation.

If installed in a condominium, the administrator must be consulted beforehand.

If necessary, check the exhaust fume emissions after installation. Any inspection point included should be watertight.

COMPATIBILITY

Installation in premises with fire hazards is forbidden. Installation in residential premises where the following situations occur is also prohibited:

1. where there are liquid fuel-operated appliances with continuous or intermittent operation, which draw the combustion air in the room in which they are installed.
2. where there are type B gas appliances intended for room heating, with or without production of DHW and in adjacent and adjoining premises.
3. where, in any case, the pressure difference measured during installation between the internal and external environment is greater than 4 Pa.

N.B.: Watertight appliances can also be installed in the cases indicated by points 1, 2 and 3 of this paragraph.

INSTALLATIONS IN BATHROOMS, BEDROOMS AND STUDIO FLATS

Installation in bathrooms, bedrooms and studio flats is only allowed for sealed or closed hearth appliances with ducted combustion air taken from the outside.

MINIMUM DISTANCES FROM COMBUSTIBLE MATERIALS

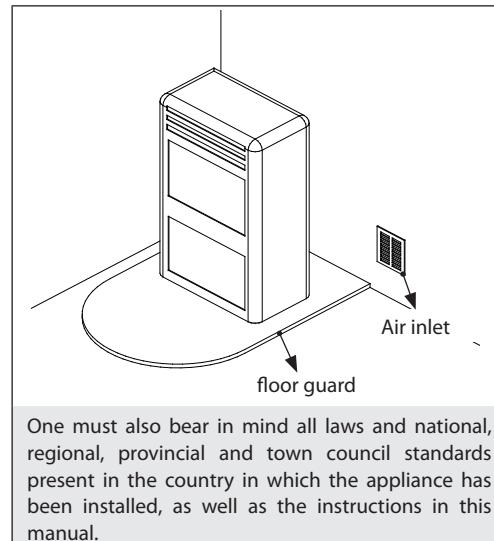
Installation next to combustible or heat-sensitive materials is permitted, provided that suitable safety distances are maintained, as specified in the CEMI (CE Marking Information), the Declaration of Performance (DoP) and the label at the beginning of the manual (page 2).

We suggest using non-combustible material for the side and rear walls and support surface on the floor.

If the floor is made of combustible material, it is recommended to use a non-combustible protective layer, which must cover the area under the appliance and extend forward by at least the distance specified as d_f .

For installation near non-flammable materials, a minimum side and rear clearance must be maintained, as indicated by the distance marked d_{non} .

For products with rear spacers, installation flush with the wall is allowed at the rear only.



One must also bear in mind all laws and national, regional, provincial and town council standards present in the country in which the appliance has been installed, as well as the instructions in this manual.

MAINTENANCE PREPARATION

It might be necessary to place the product away from adjacent walls for maintenance operations. This operation must be carried out by a technician who is qualified to disconnect the flue gas evacuation ducts and subsequent connection. For generators connected to the plumbing system, a connection must be provided between the system and the stove that allows the generator to be moved at least 1 metre away from adjacent walls during extraordinary maintenance work performed by a qualified technician.

INSTALLATION OF INSERTS

When installing inserts, it is necessary to prevent access to the internal parts of the appliance, and when removing them, it must not be possible to access live parts.

Any wiring, such as the power cable or room probes, must be positioned in such a way that they are not damaged when the insert is moved and do not come into contact with hot parts. If a cavity made of combustible material is installed, it is advisable to take all the safety precautions indicated in the installation regulations.

VENTILATION AND AERATION OF THE INSTALLATION PREMISES

Ventilation, in the case of a non-watertight generator and/or non-watertight installation, must be carried out respecting the minimum area indicated below (considering the largest of the values suggested):

Appliance categories	Reference standard	Percentage of the net opening section with respect to the appliance fumes outlet section	Minimum net opening value of the ventilation duct
Pellet stoves	EN 16510-1; EN 16510-2-6	-	80 cm ²
Boilers	EN 303-5	50%	100 cm ²

The difference in pressure between the generator installation rooms and the exterior must always be ≥ -4 Pa under any condition (e.g. -3 Pa is an acceptable value), including in the presence of extraction hoods and/or controlled forced ventilation systems

The air inlets must meet the following requirements:

- ◆ They must be protected with grids, metal mesh, etc., but without reducing the net useful section;
- ◆ They must be made so as to make the maintenance operations possible;
- ◆ Positioned so that they cannot be obstructed;

The inflow of clean, uncontaminated air can also be obtained from a room next to the installation room (indirect ventilation and aeration) as long as this flow can occur freely through permanent openings communicating with the outside.

The adjacent room cannot be used as a garage, warehouse of combustible material or for any other activity with a fire hazard, bathroom, bedroom or common room of the building.

FLUE DISCHARGE

The heat generator works under a vacuum and is fitted with an outlet fan for fumes extraction. The exhaust system must be used by the generator only. No flue discharges shared with other devices are allowed.

The components of the flue gas evacuation system for combustion products must be chosen and sized in accordance with current regulations, depending on the specific situation at the place of installation.

The following checks are recommended:

- ◆ The flue system must be assessed in accordance with the following technical standards (where applicable): EN 15287-1, EN 15287-2, EN 13063-1, EN 13063-2, EN 1457, EN 1806, EN 1856-1, EN 1856-2 and EN 13384-1;
- ◆ The correct operation of the flue system must be checked in accordance with the EN 13384-2 standard based on the specific situation at the place of installation;
- ◆ The installation of watertight appliances must also take the EN 13063-3 and EN 14989-2 standards into account;
- ◆ Where the design provides for operation in humid conditions, there must be a suitable condensate collection system and possibly a siphoned drain.
- ◆ The length of the horizontal section should be minimal and, in any case, no longer than 2 metres, with a minimum upward gradient of 3%;
- ◆ The number of direction changes including the one due to the use of the "T" element must not be more than 4.
- ◆ A "T" fitting with a condensation collection cap must be included at the base of the vertical section.
- ◆ The vertical pipe can be on the inside or outside of the building. If the flue is fitted in an existing chimney, it must be certified for solid fuels.
- ◆ If the flue is outside the building, it must always be insulated.
- ◆ The flue must have at least one sealed outlet for possible fume sampling.
- ◆ All the sections of the flue pipe must be accessible for inspection.
- ◆ Inspection openings must be included for cleaning.

If metal pipes are used, they must comply with the following requirements (EN 1856-1 and EN 1856-2):

- ◆ Flue pipe - Temperature class (as indicated in the technical datasheet) resistant to soot fire
- ◆ Flue pipe - Temperature class, at least T250, Pressure class, P1 (not indicated in the technical datasheet)

CHIMNEY COWL

The chimney caps must meet the following requirements:

- ◆ they must have a useful outlet section no less than double of that of the chimney/ducted system on which it is installed;
- ◆ they must be adapted in order to prevent the penetration of rain and snow in the chimney/ducted system;
- ◆ they must be built so that, in the event of winds coming from all directions and from any angle, the expulsion of combustion products is in any case ensured;

SHARED CHIMNEY FLUE

Check on the CE Technical Data Sheet whether the product is suitable for installation in a shared chimney flue (i.e. with multiple connection).

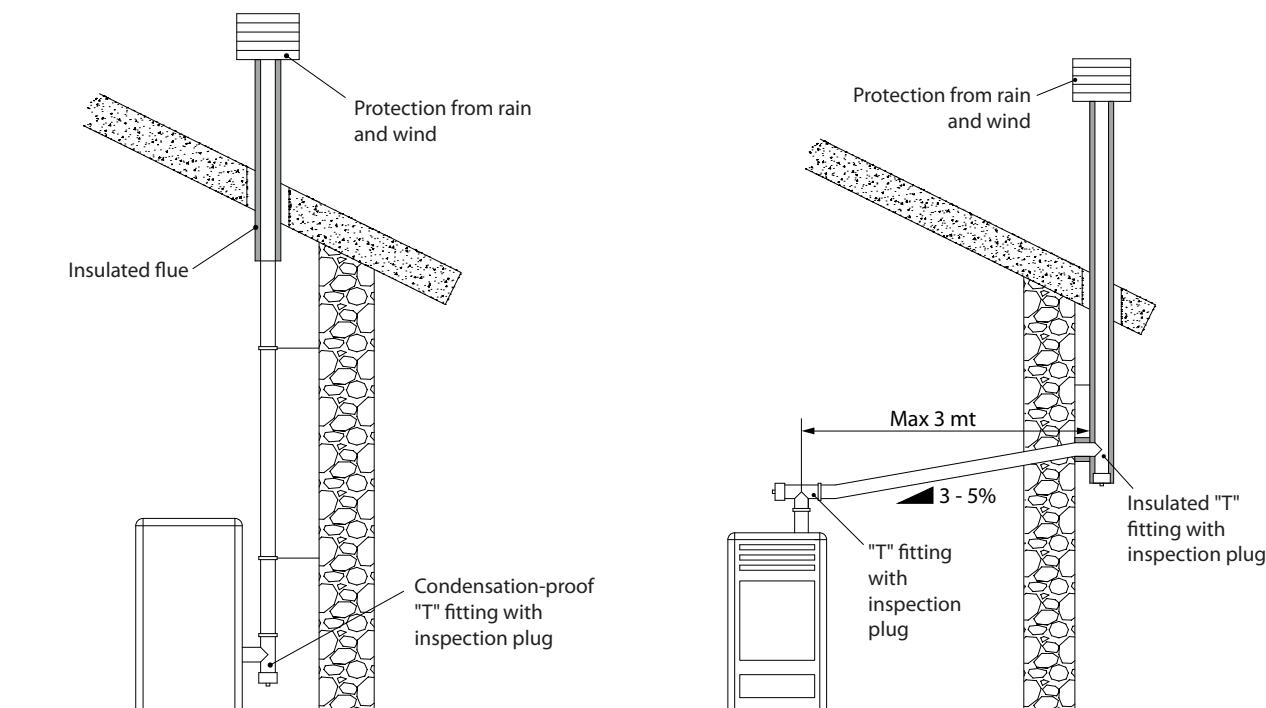
Suitable devices can be installed in shared flue systems provided that:

- ♦ installation in a shared chimney flue (i.e. with multiple connection) is allowed in the place of installation;
- ♦ the requirements of national and regional Standards are strictly complied with [for GERMANY, for example, DIN EN 13384-2, DIN V 18160-1, DIN 18896 and MFeuV-2007 (Muster-Feuerungsverordnung)];
- ♦ the installer or district chimney sweep has inspected and approved the installation conditions.

Please also remember the following indications, which the end user must comply with:

- ♦ The device can be operated only with the doors closed.
- ♦ The doors and all setting devices must remain closed when the device is not on (except for cleaning and maintenance operations).

EXAMPLES OF CORRECT CONNECTION TO THE CHIMNEY



CONNECTION TO THE ELECTRICITY GRID

The generator is supplied with a power cable for connection to a 230V 50 Hz socket, possibly with a circuit breaker. The power socket must be easily accessible.

The electrical system must be compliant; check the efficiency of the grounding circuit in particular. Inadequate grounding of the system can cause a malfunction for which the manufacturer is not responsible.

Power fluctuations over 10% may cause product malfunctions.

HERMETICALLY SEALED INSTALLATION

The generator is a product that is completely airtight with respect to its installation environment; this means that it is ideal for passive houses if installed hermetically.

COMBUSTION AIR

To maintain the airtightness of the installation, the combustion air connection pipe must be connected directly to the outside using special sealed pipes and fittings.

The following table indicates the maximum acceptable combustion air pipe length in the various installation configurations.

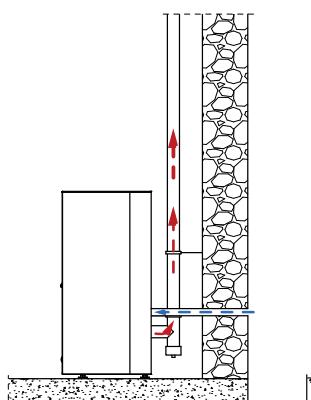
These values are valid only in "a" and "b" type configurations.

Do not use them for coaxial installations "c", "d", "e", "f" because the maximum length is indicated directly in the reference drawings.

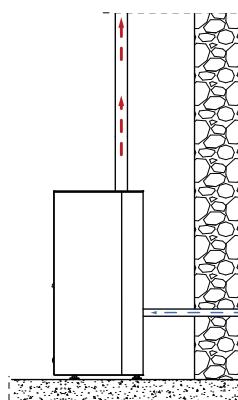
INTERNAL PIPE DIAMETER (mm)	TYPE OF PIPE	NO. 90° CURVES	MAXIMUM TUBE LENGTH (m)
ø 48	Smooth pipe only (PVC, stainless steel, aluminium, galvanized steel)	0	2,5
		1	2
		2	1,5
ø 60	Smooth pipe only (PVC, stainless steel, aluminium, galvanized steel)	0	5
		1	4
		2	3
ø 80	Smooth pipe only (PVC, stainless steel, aluminium, galvanized steel)	0	10
		1	8
		2	6

FUMES EXHAUST SYSTEM

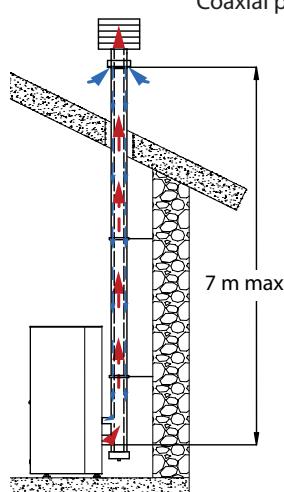
INSTALLATION EXAMPLE



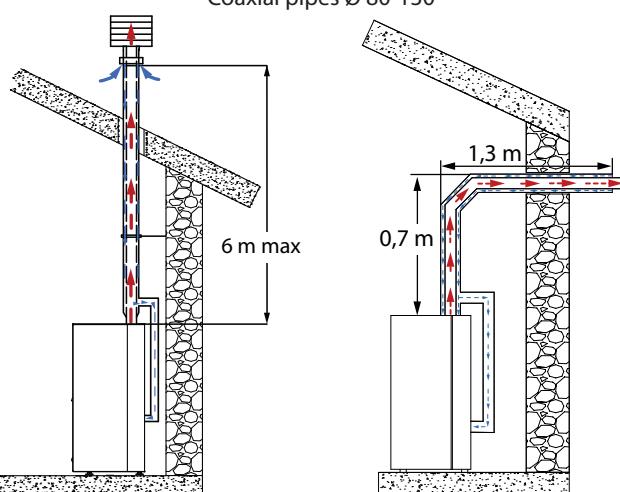
"a" type installation *



"b" type installation *



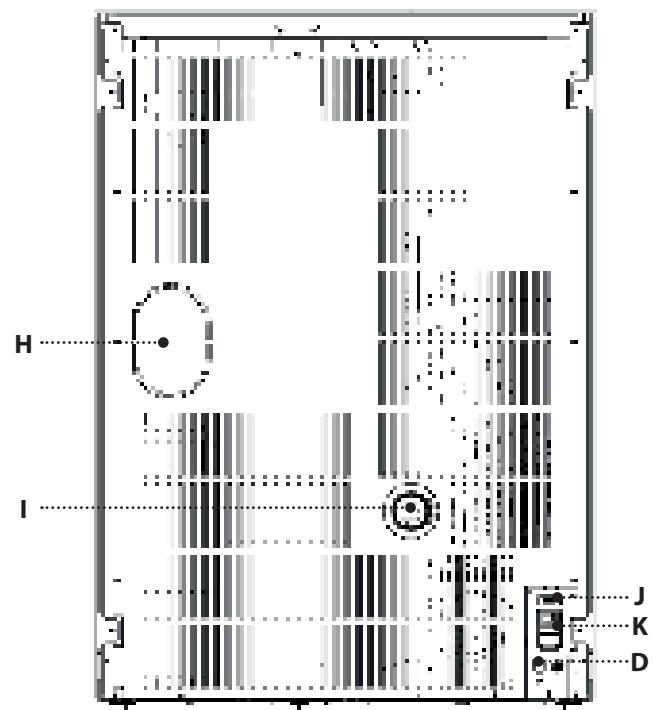
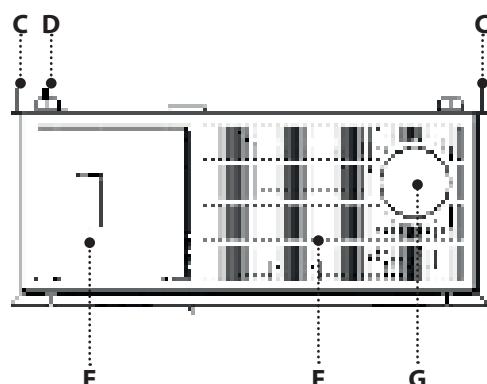
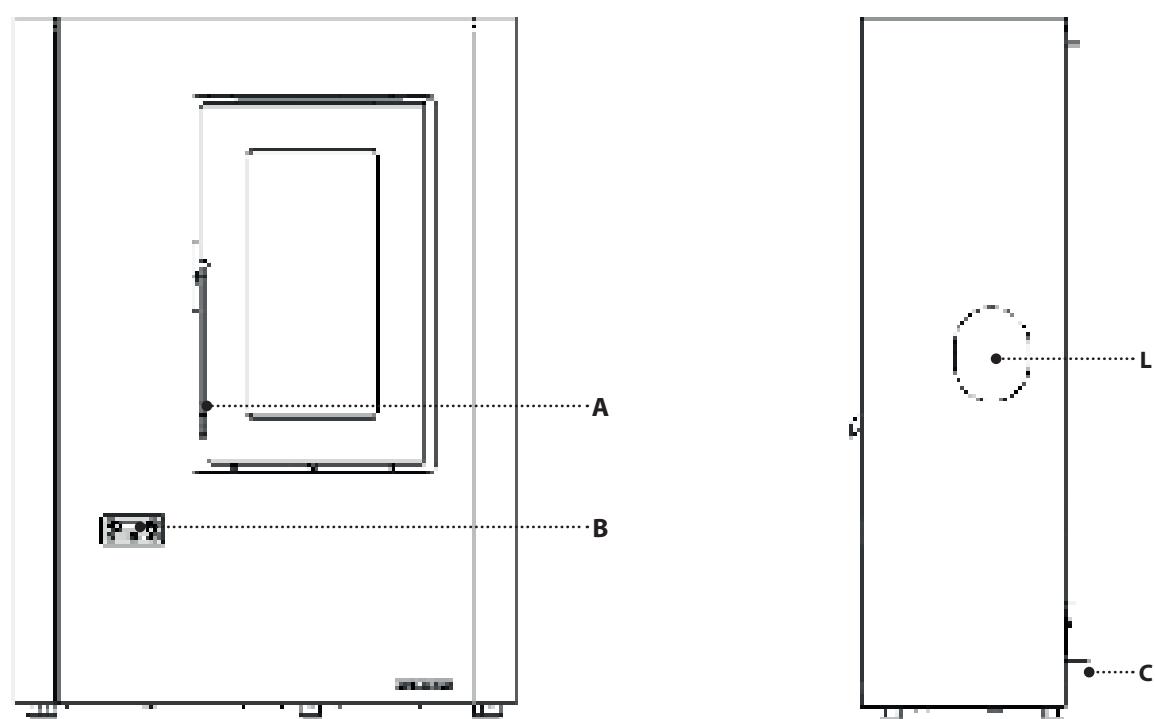
Coaxial installation type "c" and "d" (where applicable) *



Coaxial installation type "e" and "f" with accessory (where provided) *

* Warning: before installing the appliance, check that the system complies with all national, regional, provincial and municipal laws and regulations in force in the country of installation, as well as with the instructions and specifications given in this manual.

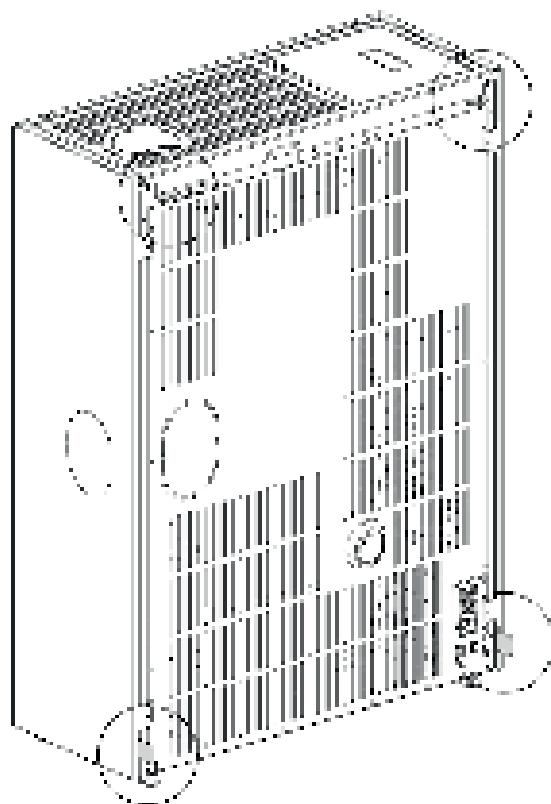
DETAILS OF LUISELLA 5.0 MAXI



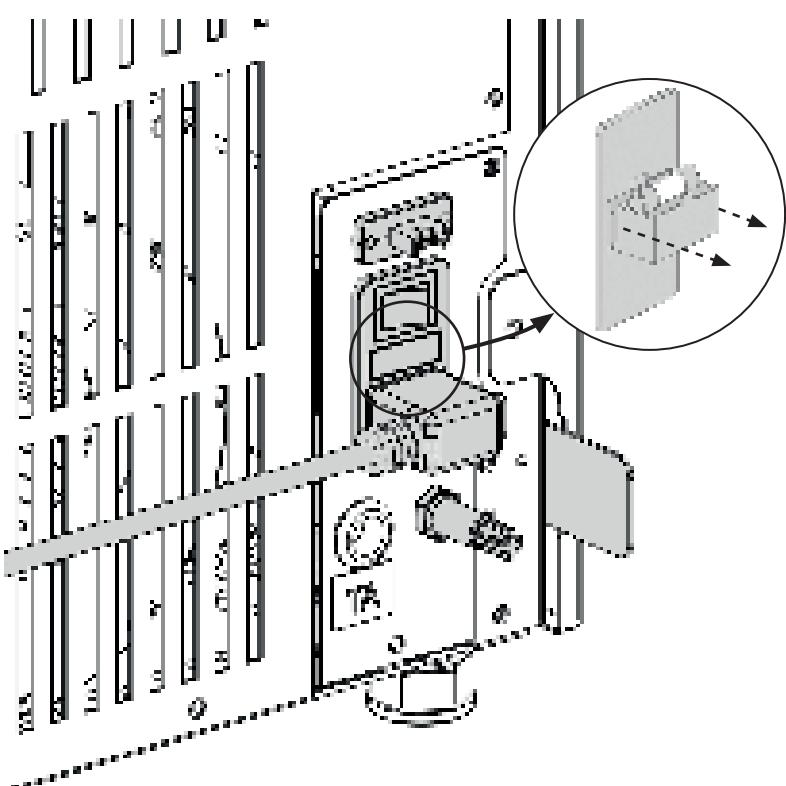
A	Access to combustion chamber	E	Pellet hopper pressurised closure	I	Combustive air input
B	Display	F	Room air outlet	j	Serial input
C	Spacer	G	Upper fumes exhaust	K	On/Off - Fuse - Power supply 230V
D	Room sensor	H	Rear fumes exhaust	L	Side smoke outlet

SPACERS

There are two spacers located on the rear of the machine which determine the minimum distance any support behind the stove. The spacers must not be removed.

**FUSE**

If the stove is not powered, have the condition of the fuse checked by a qualified technician.



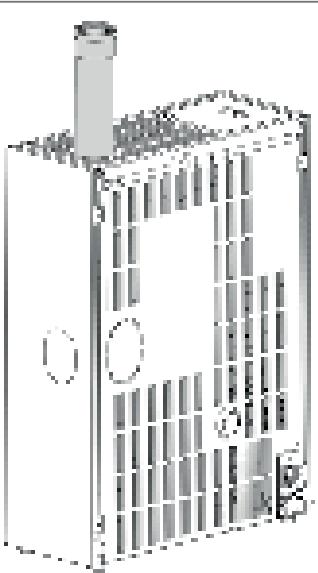
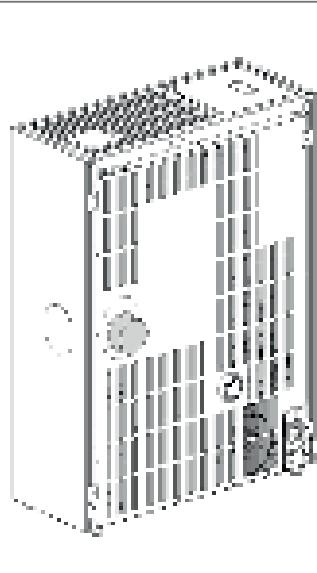
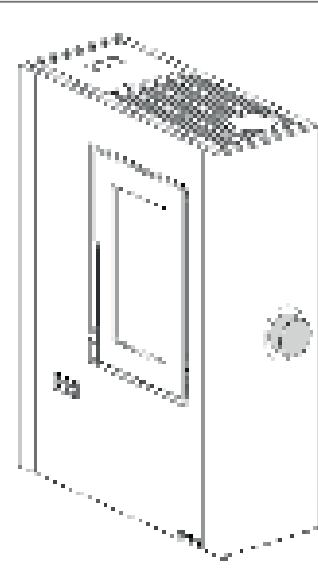
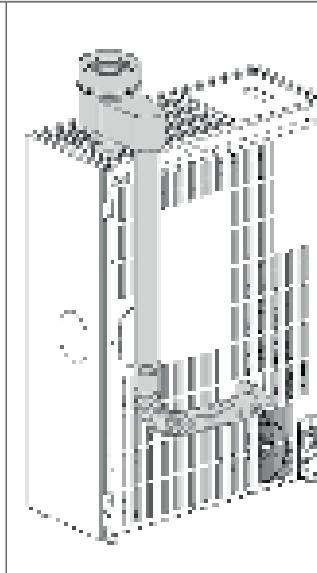
FLUE GAS OUTLET INSTALLATION

FLUE GAS OUTLET

The generator is designed for a top, side, or rear flue outlet.

Depending on your needs, installation can be made top, side, or rear using optional accessories (extension or 90° bend).

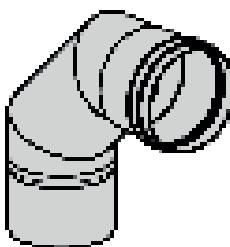
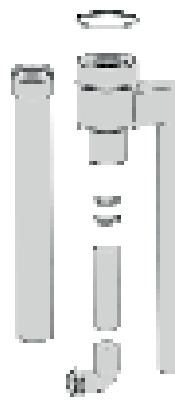
A coaxial top installation is also possible using the coaxial kit accessory.

			
OPTIONAL ACCESSORY (extension) UPPER FLUE GAS OUTLET	OPTIONAL ACCESSORY (90° elbow) REAR FLUE GAS OUTLET	OPTIONAL ACCESSORY (90° BEND) SIDE FLUE EXHAUST	OPTIONAL ACCESSORY (COAXIAL KIT) UPPER SMOKE OUTLET COAXIAL*



THE INSTALLATION OF THE TOP, SIDE, REAR OR COAXIAL SMOKE OUTLET MUST BE CARRIED OUT BY QUALIFIED PERSONNEL AND/OR THE MANUFACTURER'S TECHNICAL ASSISTANCE.

ACCESSORI OPZIONALI

		
OPTIONAL ACCESSORY (extension) UPPER FLUE GAS OUTLET	OPTIONAL ACCESSORY (90° elbow) REAR FLUE GAS OUTLET	OPTIONAL ACCESSORY (COAXIAL KIT) COAXIAL UPPER FLUE GAS OUTLET* NOTE: INSTALLING THE CONCENTRIC KIT INCREASES THE DEPTH OF THE APPLIANCE. THE OVERALL DIMENSIONS BECOME: LxHxP 639x892x349 mm

* Warning: before installing the appliance, check that the system complies with all national, regional, provincial and municipal laws and regulations in force in the country of installation, as well as with the instructions and specifications given in this manual.

STOVE POSITIONING

For correct product functioning, it is recommended to position it in a way that it is perfectly level, with the aid of a spirit level.

NOTE FOR CORRECT OPERATION



ENSURE THE HOPPER IS PROPERLY CLOSED BEFORE TURNING ON THE DEVICE!

DURING START-UP:

The generator performs a check on the combustion air flow during the START phase. If any faults are found, the generator will go into "MIN DELTA-P ALARM 1" mode.

DURING IGNITION:

be sure to keep the fire door and the tank cover closed during the entire ignition phase. Otherwise, the stove will display

"CLOSE HOPPER" or "CLOSE STOVE DOOR"

This indication means that you have 60 seconds to close the door.

After 60 seconds have passed, the stove will go into "DEPR ALARM" mode during the ignition phase

DURING WORK:

be sure to keep the fire door and the tank cover closed during the entire WORK phase. Otherwise, the stove will display

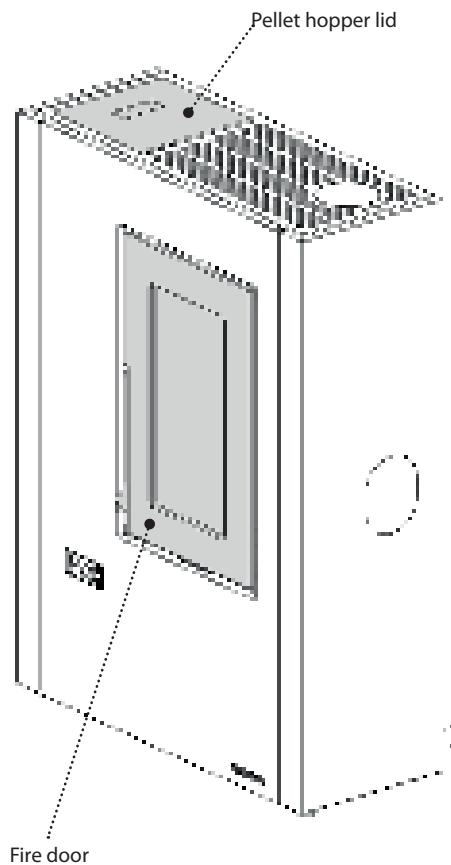
"CLOSE HOPPER" or "CLOSE STOVE DOOR"

This indication means that you have 60 seconds to close the door.

After 60 seconds have passed, the stove will go into "COOLING STAND BY" mode

If "MIN DELTA-P" appears, it means that the appliance has detected abnormal conditions in the combustion air or flue gas outlet flows.

If the conditions do not stabilise within the time indicated by the TIMER on the display, the stove will go into "MIN DELTA-P ALARM 2" mode.



PELLETS AND LOADING

Pellets are made by subjecting wood shavings i.e. the rejects of pure unpainted wood from sawmills, carpentry products and products from other activities connected to wood working and transformation, to very high pressures.

This type of fuel is fully ecological as no glues are used for its compaction. In fact, pellet compactness is guaranteed over time by a natural substance found in wood: lignin.

In addition to being an ecological fuel, making best use of wood residue, pellets also have a series of technical advantages.

While wood has a calorific value of 4.4 kWh/kg (with 15% moisture, therefore after approximately 18 months of curing), that of pellets is 5 kWh/kg.

Pellet density is about 650 kg/m³ and water content is equal to 8% of its weight. For this reason pellets do not need to be cured to obtain a sufficient heat yield.

The pellets used must be class **A1** certified according to standard **ISO 17225-2 (ENplus-A1, DIN Plus or NF 444** of the following category: "High quality NF biocombustible wood pellets").

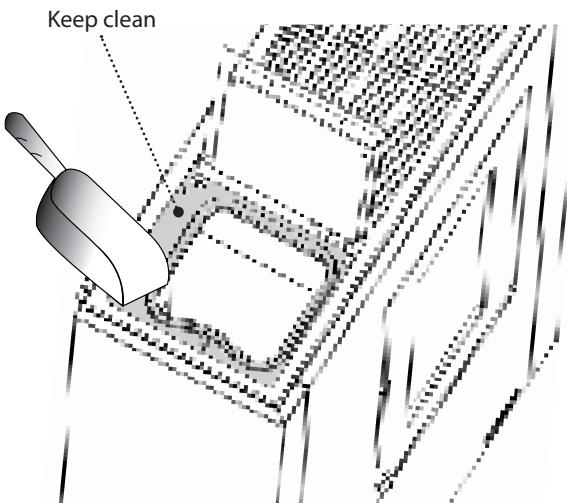
UNI EN 303-5 with the following characteristics: water content $\leq 12\%$, ash content $\leq 0.5\%$ and lower calorific value >17 MJ/kg (in the case of boilers).

The Manufacturer recommends using pellets with a diameter of 6mm with its products.

PELLET STORAGE

To guarantee combustion without problems, the pellets must be kept in a dry place.

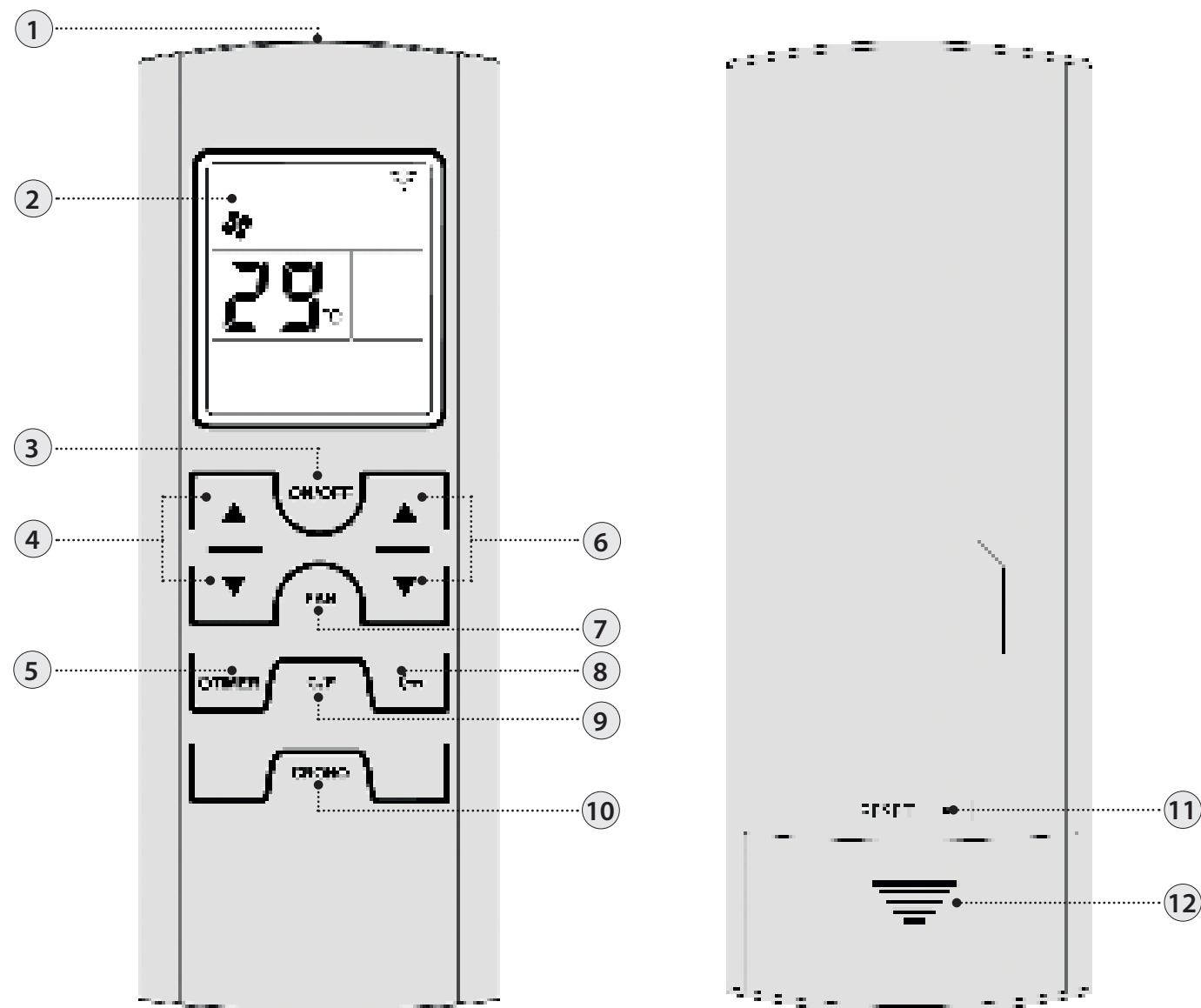
Open the tank lid and load the pellets using a scoop.



THE USE OF EXPIRED PELLETS OR ANY OTHER MATERIAL WILL AFFECT THE FUNCTIONALITY OF YOUR GENERATOR AND MAY LEAD TO THE TERMINATION OF THE WARRANTY AND CESSATION OF ANY ACCOMPANYING RESPONSIBILITY ON THE PART OF THE MANUFACTURER

REMOTE CONTROL

The remote control can be used to adjust the main stove functions.



1	Transmitter	7	Select air speed
2	Display	8	Lock keyboard
3	On/off stove (hold for 3 seconds)	9	Degrees Celsius / Fahrenheit
4	Set power	10	Press the button once to enable or disable the chrono
5	Set switch-off delay: The button allows to set the switch-off delay. For example, if you set it to one hour, the stove will automatically switch off after the set time	11	Reset
6	Set room temperature	12	Battery compartment

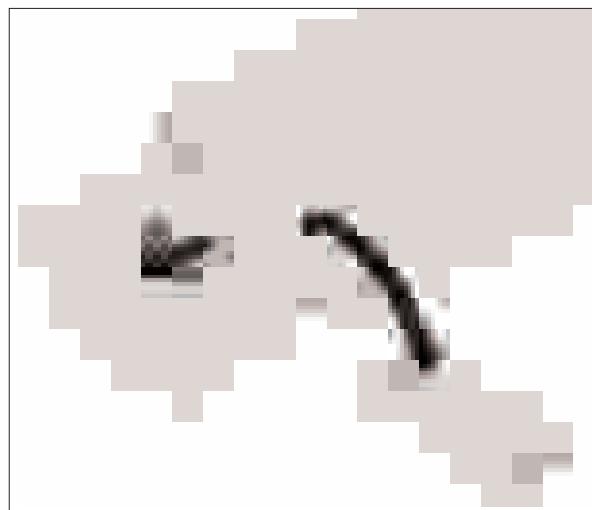
REMOTE CONTROL ICONS

	Selected ventilation speed: Flashing: reduced speed Permanently lit: normal speed		Enable chrono Light on = activated Light off = deactivated
	Set switch-off delay		Indicates the transmission of the radio signal On = during all radio communication Off = radio communication absent
	Battery low		Keys locked
	Set power level. The power level is displayed, instead of the set room temperature, for 3 seconds when one of the set power buttons is pressed (4).		

INSERTING THE BATTERIES

Remove the battery compartment cover by sliding it down. Insert 2 AAA batteries.

Insert the batteries respecting the correct polarity (+) and (-).
Close the cover of the battery compartment.



IF THE REMOTE CONTROL IS SWITCHED OFF DUE TO NO BATTERY INSTALLED, THE STOVE CAN BE CONTROLLED FROM THE COMMAND PANEL LOCATED ON THE UPPER PART OF THE STOVE. WHEN CHANGING THE BATTERIES, MAKE SURE YOU FOLLOW THE SYMBOLS PRINTED INSIDE THE REMOTE CONTROL.

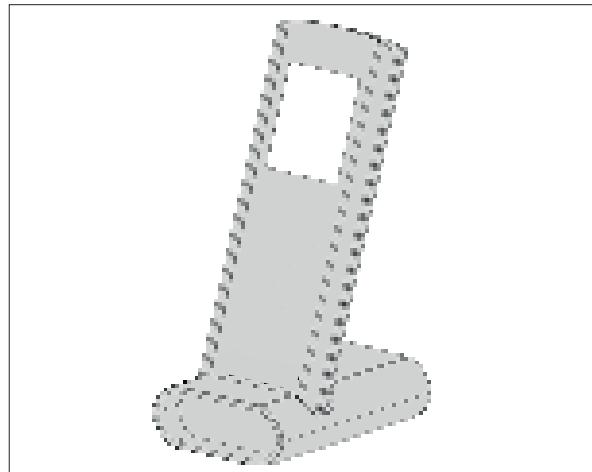


Respect the environment!

Used batteries contain metals that are harmful to the environment, and therefore must be disposed of separately in special containers.

ADVICE AND PRECAUTIONS FOR THE USE OF THE REMOTE CONTROL

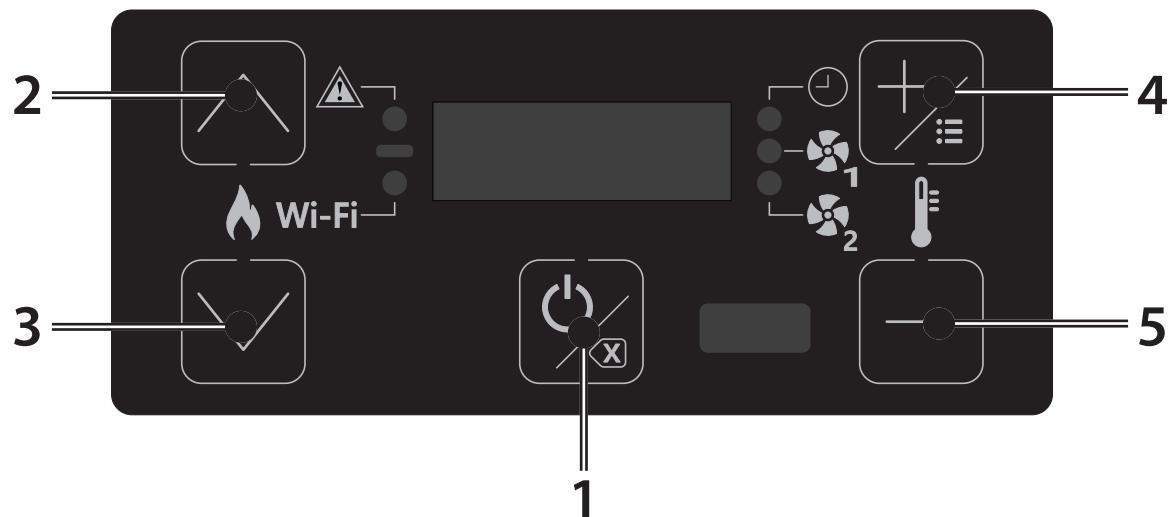
- Remove the batteries if it is not used for a long time.
- When being used, direct it towards the stove's signal receiver.
- Handle the remote control with care. When it is not being used, place it on the special base supplied.
- The remote control must not be left in a place where it is exposed to direct sunlight or near a source of heat.
- The quality of the signal may be affected by other IR sources.



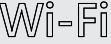
THE REMOTE CONTROL IS FITTED WITH AN LCD BACKLIT DISPLAY. THE BACKLIGHTING LASTS 20 SECONDS FROM THE LAST PRESS OF A BUTTON. AFTER A CERTAIN TIME, TO SAVE BATTERY POWER, THE DISPLAY TURNS OFF (ENERGY SAVING MODE).
THE CONTROL FUNCTIONS ARE REACTIVATED WHEN THE REMOTE IS REMOVED FROM ITS UNIT OR BY A LONG PRESS OF THE BUTTON.

THE DISPLAY DESCRIPTION OF BASIC COMMANDS AND SYMBOLS

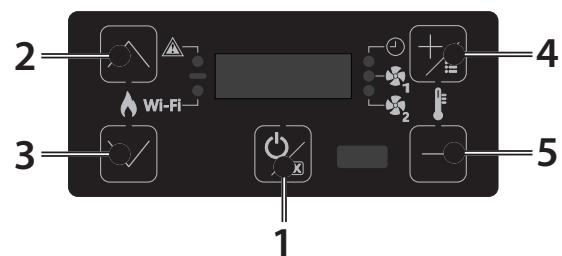
1	ON/OFF BUTTON
2	INCREASE SET POWER
3	DECREASE SET POWER
4	INCREASE SET THERMOSTAT
5	DECREASE SET THERMOSTAT



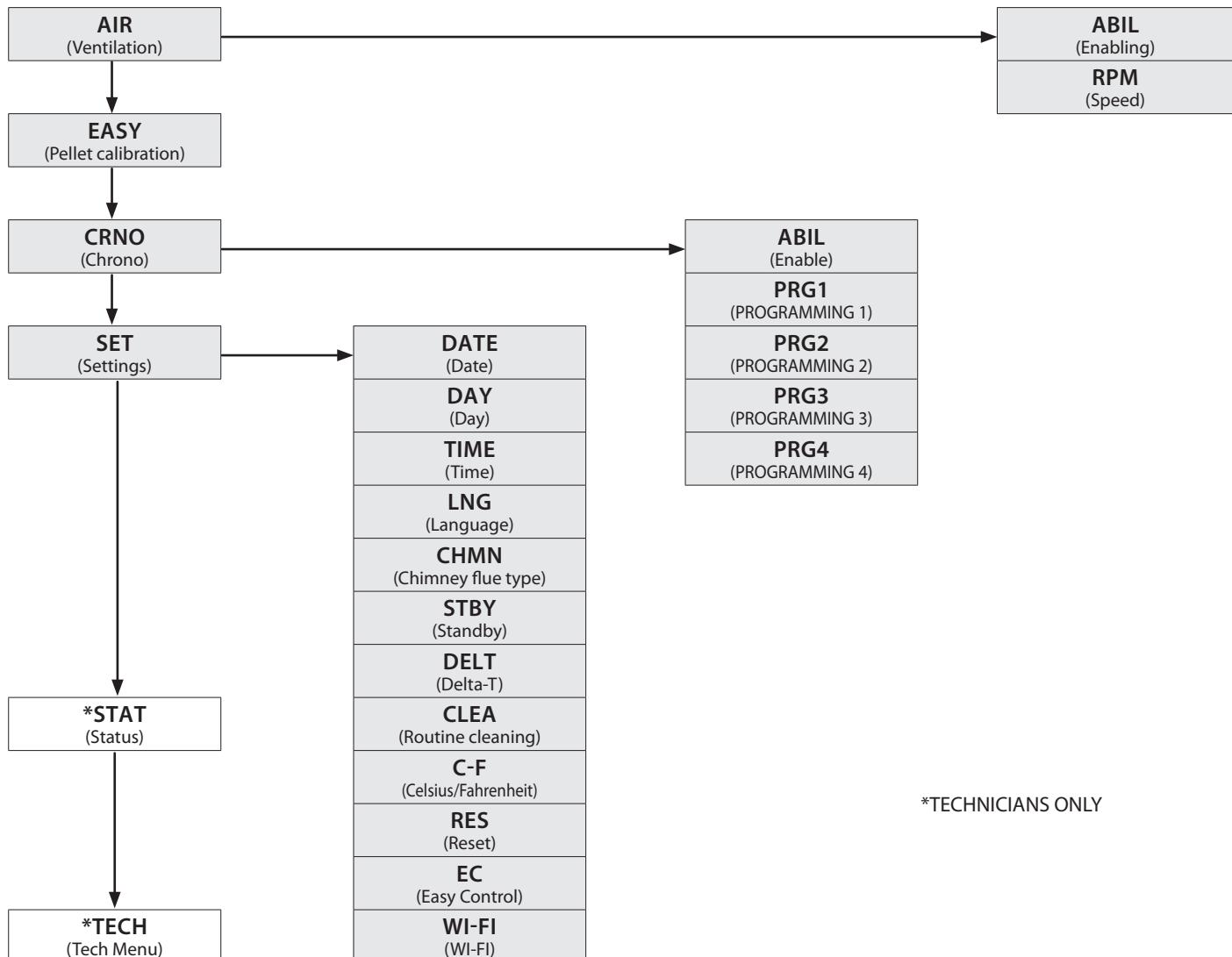
DISPLAY ICONS KEY

	Indicates the presence of an alarm. On: indicates the presence of an alarm. Off: indicates there are no alarms Flashing: fire door or pellet hopper open
	Indicates the set temperature status LED on: the stove is reaching the set temperature (room temperature still lower than set temperature) LED off: the stove has reached the set temperature
	Indicates the Wi-Fi communication status. See Wi-Fi chapter
	Indicates weekly programming operation Light on = weekly programming active Light off = weekly programming disabled Flashing light = "delayed switch-off" function enabled
	Indicates the tangential fan status Light off = motor deactivated Light on = motor activated
	Not used

GENERAL MENU



1	ON/OFF BUTTON - EXIT MENU
2	SCROLL UP - CONFIRM
3	SCROLL DOWN
4	PRESS AND HOLD TO ACCESS MENU - ACCESS SELECTED MENU - INCREASE VALUE
5	DECREASE VALUE



*TECHNICIANS ONLY

GENERAL WARNINGS

Advice to follow for the first start-ups of the product:

During the first hours of operation, there may be some smoke or odours, but they are due to the normal "thermal break-in" process. During this process, the duration of which changes depending on the product, it is recommended to:

- ◆ Ventilate the room well
- ◆ If present, remove any majolica or natural stone parts from the top of the product
- ◆ Activate the product at the maximum power and temperature
- ◆ Avoid remaining in the room for a long time
- ◆ Do not touch the surfaces of the product

Notes:

The process is completed after a few heating/cooling cycles. Do not use for the combustion of elements or substances other than those indicated in the manual.

Before turning on the product, it is necessary to perform the following checks:

- ◆ If it is intended to be connected to a hydraulic system, it must be complete and fully functional and in compliance with the instructions given in the product manual and with the relevant regulations in force.
- ◆ The pellet hopper must be completely loaded
- ◆ The combustion chamber and the burn pot must be clean
- ◆ Make sure that the fire holder, the ash pan and the pellet hopper close hermetically (if present in the hermetic version); they must be closed and there must be no foreign bodies in the sealing elements and gaskets.
- ◆ Check that the power cord is properly connected
- ◆ The switch (if present) must be set to position "1".

COMMISSIONING SETTINGS

Once the power cable at the back of the generator has been connected, move the switch, also located on the back, to (I). The switch at the back of the generator powers the generator board. The generator remains off and an initial screen appears on the panel, displaying OFF.

DATE (DATE)

This menu allows the date to be set.

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until SET appears and access with key 4.
- ◆ Press key 3 until DATE appears and access with key 4.
- ◆ Use keys 2 and 3 to select the sub-item DAY, MNTH or YEAR to set each one.
- ◆ Access with key 4.
- ◆ Modify with keys 4 and 5 and confirm with key 2
- ◆ Press key 1 several times to exit the menu.

DAY

This menu allows the day to be set. (DAY1 = Monday - DAY7 = Sunday)

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until SET appears and access with key 4.
- ◆ Press key 3 until DAY appears and access with key 4.
- ◆ Set the day using keys 4 and 5 and confirm with key 2.
- ◆ Press key 1 several times to exit the menu.

TIME (TIME)

This menu allows the time to be set.

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until SET appears and access with key 4.
- ◆ Press key 3 until TIME appears and access with key 4.
- ◆ Use keys 2 and 3 to select HOUR or MIN to set hours and minutes, respectively
- ◆ Key 4 to access, 4 and 5 to modify and 2 to save
- ◆ Press key 1 several times to exit the menu.

LNG (LANGUAGE)

This menu allows the preferred language to be selected. The languages available are: Italian - English - German - French - Spanish - Portuguese - Danish - Estonian - Croatian - Slovenian - Dutch - Polish - Czech.

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until SET appears and access with key 4.
- ◆ Press key 3 until LNG appears and access with key 4.
- ◆ Set the language using keys 4 and 5 and confirm with key 2.
- ◆ Press key 1 several times to exit the menu.

CHMN (CHIMNEY FLUE TYPE)

This menu allows you to indicate the type of installation used for the appliance. The choices available are:

- ◆ "STANDARD" for installation with separate flue gas outlet and combustion air inlet.
- ◆ "COAXIAL" for installation with coaxial flue gas outlet and combustion air inlet.

CONTROLS PROCEDURE

- ◆ Press key 4.
- ◆ Press key 3 until SET appears and access with key 4.
- ◆ Press key 3 until CHMN appears and confirm by pressing key 4.
- ◆ Select STANDARD/ COAXIAL using keys 4 or 5.
- ◆ Press key 2 to confirm and key 1 to scroll back through the menus to the initial status.

C-F (CELSIUS/FAHRENHEIT)

This menu allows you to set the desired unit of measurement. "C" for degree Celsius (°C) - "F" for degree Fahrenheit (°F)

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until SET appears and access with key 4.
- ◆ Press key 3 until C-F appears and access with key 4.
- ◆ Set the unit of measurement using keys 4 and 5 and confirm with key 2.
- ◆ Press key 1 several times to exit the menu.

OPERATION AND LOGIC

IGNITION

Once the points listed previously have been checked, press key 1 for three seconds to ignite the stove. There are 15 minutes available to detect the presence of the flame during the ignition phase. When the control temperature is reached, stove interrupts the ignition phase and switches to PREPARATION.

PREPARATION

During the preparation phase, the stove stabilises combustion, increasing it progressively, to then start ventilation and switch to WORK

WORK

In the work phase, the stove switches to the Set Power defined by the user, heating the room until Set Thermostat is achieved. See next heading.

SET THERMOSTAT

The Set room thermostat can be set with keys 4 and 5, from LOU - 7°C - 37°C - HOT. If the value is between 07°C - 37°C, the stove controls the room temperature by means of an on-board probe. Once the set temperature has been reached, the stove automatically decreases the power, ensuring the best comfort and reducing pellet consumption. This process is called "modulation".

LOU - HOT

If the Set Thermostat is "LOU" (set under the 7° threshold), temperature control passes to the additional thermostat contact, thus bypassing the on-board temperature probe.

If the contact is open (fulfilled), the stove decreases to minimum value.

If the contact is closed (request), the stove works at the set power.

If the setting is on "HOT" (set above 37°C), the stove only works at the set power, thus bypassing the external contact and the temperature probe.

SET POWER

Set Power has 5 operating levels. The power can be changed with keys 2 or 3.

Power 1 = minimum level - Power 5 = maximum level.

Press key 1 to exit and save the change.

To set power 1 it is necessary to press and hold key 3 for 3 seconds.

SWITCH-OFF

Press key 1 for three seconds.

Once this operation has been performed, the appliance automatically enters the switch-off phase, blocking the supply of pellets.

The flue gas exhaust motor and the hot air flow motor will remain on until the stove temperature has dropped below the safety settings.

RE-IGNITION

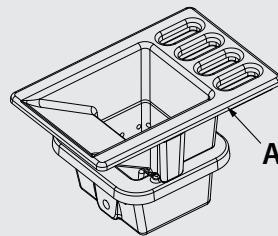
The stove can only be re-ignited if the temperature of the exhaust fumes is lower than the pre-set threshold and the minimum safety time has passed.



DO NOT USE ANY TYPE OF FLAMMABLE LIQUIDS FOR IGNITION!
DO NOT ALLOW THE BAG OF PELLETS TO COME INTO CONTACT WITH THE BOILING HOT STOVE DURING THE FILLING PHASE!
IN THE EVENT OF CONTINUED FAILURE TO LIGHT, CONTACT AN AUTHORISED TECHNICIAN.



**IT IS FORBIDDEN TO USE THE APPLIANCE WITHOUT THE FLAME GUARD (A).
REMOVAL WILL COMPROMISE THE SAFETY OF THE PRODUCT AND RESULT
IN THE IMMEDIATE NULLIFICATION OF THE WARRANTY PERIOD.
IN THE EVENT OF WEAR OR DETERIORATION, ASK THE AFTER-SALES SERVICE
TO REPLACE THE PART
(REPLACEMENT DOES NOT FALL WITHIN THE PRODUCT WARRANTY AS THE
PART IS SUBJECT TO WEAR).**



AIR (VENTILATION)

The menu allows you to activate/deactivate and adjust the speed (-2, -1, 0, +1, +2) of the front fan.

ENAB CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ press key 3 until **AIR** appears and log in by pressing key 4.
- ◆ Press 4 to access ENAB 4-5 to select **ON** and **OFF** and 2 to confirm.
- ◆ Press key 1 several times to exit the menu.

RPM CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ press key 3 until **AIR** appears and log in by pressing key 4.
- ◆ Press key 3 until **RPM** appears and log in by pressing key 4.
- ◆ Adjust speed with keys 4-5 and 2 to confirm.
- ◆ Press key 1 several times to exit the menu.

N.B.: The appliance is designed to work in safe conditions at all times.

In some cases, changing the ventilation level may have no noticeable effect on the setting.

EASY (PELLET CALIBRATION)

The volumetric weight of the pellet is the ratio between the weight and the volume of the pellet. This ratio may change without altering pellet quality. By using the **EASY** function, it is possible to change the calibration of the volumetric weight by increasing or decreasing the preset values. In the stove program, the available values range from “- 3” to “+ 3”; all stoves are calibrated during production with the optimal value, which is 0.

If there is an excessive deposit on the burn pot, access the **EASY** program and lower the value to “- 1”; then wait until the next day and if there is no improvement, lower it again down to a limit value of “- 3”.

Instead, if it is necessary to increase the calibration of the volumetric weight of the pellet, change the factory value from “0” to “+ 1, + 2, + 3” as required.

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until **EASY** appears and access with key 4.
- ◆ Adjust using keys 4 and 5 and confirm with key 2.
- ◆ Press key 1 several times to exit the menu.

EXCESSIVE PELLET DEPOSIT IN THE BURNING POT			NORMAL OPERATION	MINIMUM PELLET DEPOSIT IN THE BURNING POT		
-3	-2	-1	0	+1	+2	+3
THIRD DECREASE RANGE IF THE FIRST TWO ARE NOT ENOUGH	SECOND DECREASE RANGE IF THE FIRST IS NOT ENOUGH	FIRST DECREASE RANGE (TEST FOR 1 DAY)	OPTIMAL FACTORY VALUE	FIRST INCREASE RANGE	SECOND INCREASE RANGE IF THE FIRST IS NOT ENOUGH	THIRD INCREASE RANGE IF THE FIRST TWO ARE NOT ENOUGH

N.B.: If this calibration does not solve the pellet deposit in the burn pot, please contact your local after-sales centre.

STAT (STATUS)

References reserved for the technician

CRNO (CHRONO)

This function allows the stove's ignition and switch-off to be automatically programmed.

The factory setting for CHRONO is off.

The chrono allows the programming of 4 time slots within a day, which can be used every day of the week.

Ignition and switch-off times can be set for each time slot, along with the specific days of application for the programmed time slot, the desired temperature and power setting.

Current day and time settings are essential for the correct operation of the Chrono.

Recommendations

Before using the chrono function, you must set the current day and time, so check that you have followed the points listed in the sub-chapter **“DATE, DAY and TIME”**. To use the chrono function correctly, you must activate it as well as program it. The four time slots can be overlapped using the time switch on and off settings, This allows you to obtain a combination of times in which you can set different temperatures and power without influencing the stove work status.

NB: if overlapping time slots are set, the stove will stay on until the latest switch-off time.

ABIL (ENABLE)

Allows the chrono and the different stove time slots to be enabled/disabled.

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until **CRNO** appears and access with key 4.
- ◆ Press 4 to access ENABLE, 4-5 to select ON and OFF, and 2 to confirm.
- ◆ Press key 1 several times to exit the menu.

PRG 1-4 (PROGRAMMING 1-4)

Prg x allows you to set the ignition time (**STRT**) and switch-off time (**STOP**), the days (**DAY1** = Monday / **DAY7** = Sunday) included in the programmed slot and the temperature (**TEMP**) (LOU - 7° - 37°C - HOT), as well as the power (**POW.**) required. Current day and time settings are essential for the correct operation of the Chrono.

CONTROLS PROCEDURE

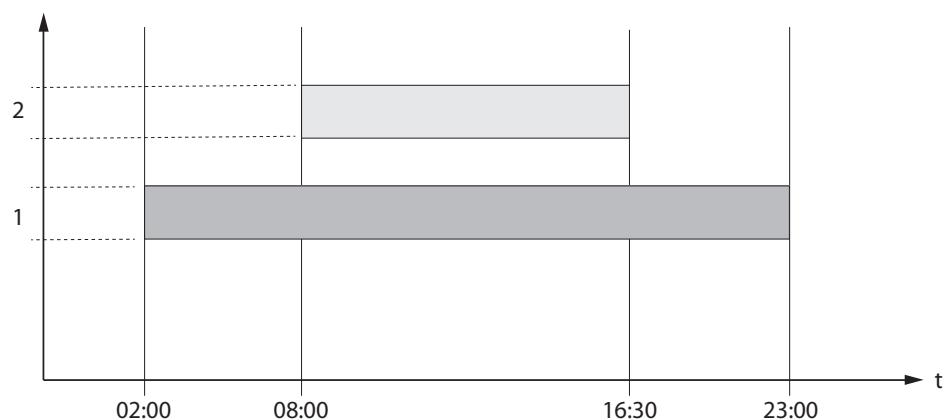
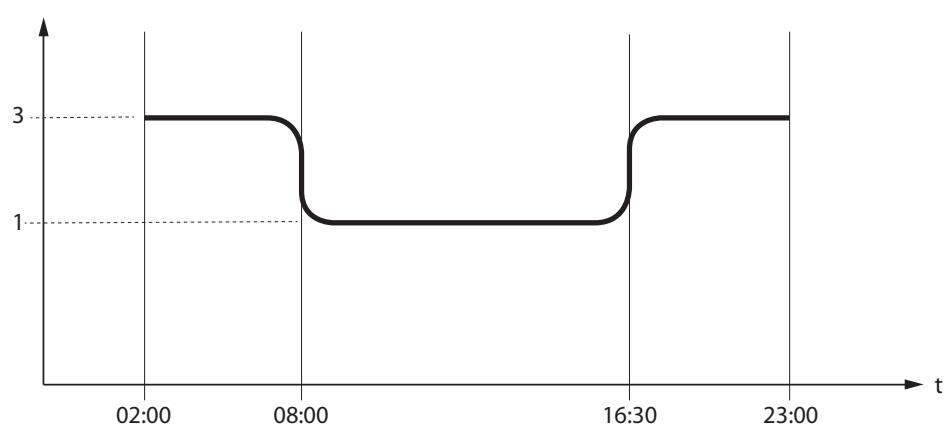
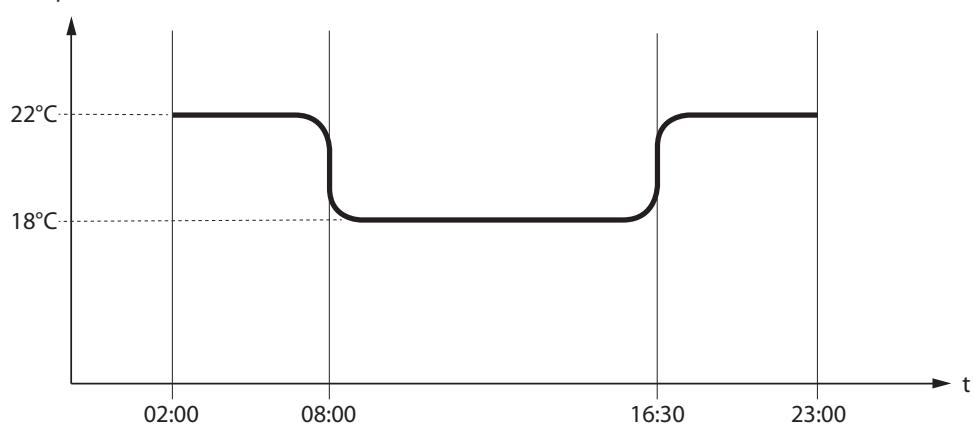
- ◆ Press and hold key 4.
- ◆ Press key 3 until **CRNO** appears and access with key 4.
- ◆ Select the slot using keys 2-3 and access it with 4.
- ◆ Select one of the following options: **STRT**, **STOP**, **DAY**, **TEMP** and **POW**. and access with 4.
- ◆ Adjust using keys 4 and 5 and confirm with key 2.
- ◆ Press key 1 several times to exit the menu.

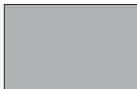
CRNO	>	ABIL	Enables/disables all the set chrono
PRG1	>	ABIL	On/Off
		STRT	OFF-00:00-23:50
		STOP	OFF-00:00-23:50
		DAY1...DAY7	On/off
		TEMP	LOU - 07- 37 °C - HOT
		POW.	1-5
			Enabling/disabling PRG 1
			PRG1 start time
			PRG1 stop time
			Enabling/disabling days for PRG1
			Set thermostat PRG1
			Set power PRG1
PRG2	>	ABIL	On/Off
		STRT	OFF-00:00-23:50
		STOP	OFF-00:00-23:50
		DAY1...DAY7	On/off
		TEMP	LOU - 07- 37 °C - HOT
		POW.	1-5
			Enabling/disabling PRG 2
			PRG2 start time
			PRG2 stop time
			Enabling/disabling days for PRG2
			Set thermostat PRG2
			Set power PRG2
PRG3	>	ABIL	On/Off
		STRT	OFF-00:00-23:50
		STOP	OFF-00:00-23:50
		DAY1...DAY7	On/off
		TEMP	LOU - 07- 37 °C - HOT
		POW.	1-5
			Enables/disables PRG3
			PRG3 start time
			PRG3 stop time
			Enabling/disabling days for PRG3
			Set thermostat PRG3
			Set power PRG3
PRG4	>	ABIL	On/Off
		STRT	OFF-00:00-23:50
		STOP	OFF-00:00-23:50
		DAY1...DAY7	On/off
		TEMP	LOU - 07- 37 °C - HOT
		POW.	1-5
			Enabling/disabling PRG 4
			PRG4 start time
			PRG4 stop time
			Enabling/disabling days for PRG4
			Set thermostat PRG4
			Set power PRG4



WHEN THE WEEKLY PROGRAMMER IS SHOWN ON THE DISPLAY, THE INDICATOR LIGHT WILL BE ON.



EXAMPLE OF CHRONO OVERLAPPING TIME/SLOTS
Time slot

Power

Set temperature


	Time slot 1	start 02:00 stop 23:00	power 3 - set temp 22°C
	Time slot 2	start 08:00 stop 16:30	power 1 - set temp 18°C
	stove operation		

SET (SETTINGS)

- ◆ DATE
- ◆ DAY
- ◆ TIME
- ◆ LNG
- ◆ C-F

SEE CHAPTER: COMMISSIONING SETTINGS.

STBY (STAND-BY)

The stand-by function is used if the stove needs to be turned off immediately instead of a power modulation.

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until SET appears and access with key 4.
- ◆ Press key 3 until STBY appears and access with key 4.
- ◆ Enable/disable using keys 4 and 5 and confirm with key 2.
- ◆ Press key 1 several times to exit the menu.

STBY FUNCTION SET TO ON

When the Stand-by function is active (ON), if the room temperature exceeds the SET THERMOSTAT value + DELT, the stove will switch off after a pre-set (default) delay period, displaying STBY.

When the room temperature is lower than the SET THERMOSTAT - DELT, the stove cools down, if necessary, and then switches off.

STBY FUNCTION SET TO OFF (FACTORY DEFAULT SETTING)

In the event the Stand-by function is not activated (OFF), if the stove exceeds the set room temperature, it will switch to the minimum power level, modulating and displaying MODULATION. When the room temperature is lower than the SET THERMOSTAT the stove will restart at the set power and WORK will be displayed on the screen.

OPERATION WITH SUPPLEMENTARY THERMOSTAT (OPTIONAL)

STBY FUNCTION SET TO OFF FACTORY DEFAULT SETTING)

In the even the Stand-by function is not activated (OFF), if the stove reaches the room temperature set on the supplementary thermostat (closed contact), it will switch to the minimum power level and display MODULATION. When the room temperature is lower than the set value on the supplementary thermostat (open contact), the stove will restart at the set power, and WORK will be displayed on the screen.

STBY FUNCTION SET TO ON

If the STAND-BY function is activated (ON), when the room temperature set on the supplementary thermostat is reached (closed contact), the stove will switch off after a pre-set (default) delay period, and STBY will be displayed on the screen.

When the room temperature is lower than the supplementary thermostat (open contact), the stove cools down, if necessary, and then reignites.



FOR CORRECT OPERATION, SET THERMOSTAT SHOULD BE SET IN LOU.
> SEE THE INSTALLATION CHAPTER SUPPLEMENTARY THERMOSTAT

DELT (DELTA-T)

This function allows you to set the delta-t for igniting and switching off the stove, used as a room temperature adjustment interval if there is no external thermostat. The exact temperature for ignition is SET THERMOSTAT - Delta-T. The temperature for switching off is SET THERMOSTAT + Delta-T.

The possible values for Delta-T range from: 0.5 - 5°C

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until SET appears and access with key 4.
- ◆ Press key 3 until DELT appears and access with key 4.
- ◆ Adjust with keys 4-5 and 2 to confirm.
- ◆ Press key one several times to confirm and exit the menu.

CLEA (ROUTINE CLEANING)

This function facilitates the normal cleaning of the combustion chamber by activating the flue gas fan.

With the stove cold and switched "OFF", activate the **CLEA** function.

The message "**DO THE CLEANING**" appears.

Open the fire door and, using the poker supplied, clean the combustion chamber.

When cleaning is complete, close the door and end the function by pressing key 1 ON/OFF.

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until **SET** appears and log in by pressing key 4
- ◆ Press key 3 until **CLEA** appears and log in by pressing key 4.
- ◆ Use keys 4 and 5 to select ON or OFF and confirm with 2.

RES (RESET)

Allows the user to reset all modifiable values to the default values.

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until **SET** appears and access with key 4.
- ◆ Press key 3 until **RES** appears and access with key 4.
- ◆ Use keys 4 and 5 to select ON or OFF and confirm with 2.

EC (EASY CONTROL)

The function allows for two values to be set:

- ◆ **OFF** (disabled - factory default)
- ◆ **ON** (enabled)

Activation (EASY CONTROL = ON) is recommended in the event that there is an excessive formation of combustion residues in the flue during operation at reduced power (see FLUE EXHAUST chapter).

Caution! It is advisable to activate the EASY CONTROL function under the supervision of a qualified technician.

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until **SET** appears and log in by pressing key 4
- ◆ Press key 3 until **EC** appears and log in by pressing key 4.
- ◆ Use keys 4 and 5 to select ON or OFF and confirm with 2.

WI-FI

Allows you to change the settings for the Wi-Fi module integrated in the display interface.

The stove is equipped with a Wi-Fi module integrated in the display and it has a "Wi-Fi" LED specifically dedicated to the monitoring and diagnostics of the Wi-Fi function.

The entire Wi-Fi-related interface is grouped under the menu **SET -> WI-FI**

The configuration must be made using the Total Control 3.0 App, which can be downloaded from Play Store or Apple Store.
<https://www.lanordica-extraflame.com>

◆ **RESET**

The setting allows you to reset the Wi-Fi to factory settings

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until **SET** appears and access with key 4
- ◆ Press key 3 until **WI-FI** appears and access with key 4.
- ◆ Press key 3 until **RESET** appears and access with key 4.
- ◆ Use keys 4 and 5 to select ON or OFF and confirm with 2.

◆ **WPS**

The setting allows for the Wi-Fi module to be connected to the home router without having to enter the password. However, for correct operation, it is necessary to register the product via the Total Control 3.0 App.

Once the WPS is activated, the Wi-Fi module will wait to receive the Wi-Fi configuration directly from the home router. The router, which must be set up for this feature, usually has a WPS button to press.

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until **SET** appears and access with key 4
- ◆ Press key 3 until **WI-FI** appears and access with key 4.
- ◆ Press key 3 until **WPS** appears and access with key 4.
- ◆ Use keys 4 and 5 to select ON or OFF and confirm with 2.

◆ **INFO**

Three pieces of information about the Wi-Fi function are available in this menu.

- **MAC**: Unique identification code of the Wi-Fi device

- **STATUS**: Wi-Fi module status; it can have the following values:

- ◆ **SERIAL KO**: no communication between the Wi-Fi module and the stove board
- ◆ **DISCONNECTED**: The Wi-Fi module is not configured for internet access
- ◆ **STATION OK**: The Wi-Fi module is connected to the home router, but has no access to the cloud (e.g. no Internet access, firewall issues)
- ◆ **CLOUD OK**: The Wi-Fi module is connected to the cloud

- **VERSION**: The firmware revision number of the Wi-Fi module is indicated.

- **RSSI**: Wi-Fi signal strength, when it is correctly connected to an access point

CONTROLS PROCEDURE

- ◆ Press and hold key 4.
- ◆ Press key 3 until **SET** appears and access with key 4
- ◆ Press key 3 until **WI-FI** appears and access with key 4.
- ◆ Press key 3 until **INFO** appears and access with key 4.

The RSSI value is expressed in decibels (dB) as a negative number which is typically in the range between -60dB (excellent signal) and -85dB (very poor signal).

If the signal is poor, we recommend purchasing a Wi-Fi repeater to avoid any connectivity problems

OPERATION AND SOLUTIONS

The operating states of the integrated Wi-Fi module are identified by the red "Wi-Fi" LED in the lower part of the display. The table below shows how to interpret the information provided and the solutions to implement

WI-FI LED STATUS	EXPLANATION	SOLUTION
LED OFF	Wi-Fi communication not present	Configure the Wi-Fi module following the instructions given in the Total Control 3.0 App manual https://www.lanordica-extraflame.com If the problem persists, contact technical support
FLASHING LED	Connection in progress <i>The module is attempting to make the connection to the home network selected.</i>	The module may take up to one minute to make the connection. If the problem persists, run a reset and reconfigure the product
LED PERMANENTLY LIT	The product is correctly connected to the server	-

ADDITIONAL FUNCTIONS

KEY LOCK

The menu allows the user to lock the display keys (like with mobile phones).

Using the key lock after Activation:

To lock the keyboard, press keys 1 and 5 at the same time until the following appears: "keys locked"

To unlock the keyboard, press keys 1 and 5 at the same time until the following appears: "keys unlocked"

FIRST LOAD

This function allows you to activate the gearmotor for loading pellets continuously.

Before starting the function, make sure the stove is cold and "OFF".

Press keys 2 + 5 at the same time for two seconds until the message "FIRST LOAD".

To stop continuous loading, just press and hold key 1 for 3 seconds.

DELAY SWITCH-OFF

You can program a delayed switch-off for the stove. For example, if it is 8 pm and the delayed switch-off is set to 1h, the stove will automatically switch off at 9 pm.

If you press and hold keys 2+4 at the same time, the screen "DELAY SWITCH-OFF" will appear, alternating with the countdown (this setting can only be configured if the stove is in the preparation phase or working).

Use keys 4 and 5 to increase/decrease the number of hours after which the stove will automatically start the final cleaning phase.

The number of hours range from OFF, 1 to 9.

Press key 1 to confirm and return to the home page.

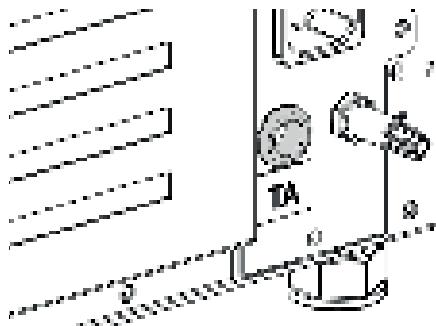
The remaining operating time is indicated by displaying at one-minute intervals "SWITCH OFF IN HOURS" and the time "xx:xx".

SUPPLEMENTARY THERMOSTAT INSTALLATION (OPTIONAL)

The stove can control the room temperature through a supplementary thermostat (optional).

After the stove is turned on (by pressing key 1 or through the chrono mode), it will work to reach the temperature set on the thermostat, displaying WORK (open contact). The standard room sensor is by-passed automatically.

When the thermostat temperature has been reached (closed contact), the stove switches to minimum power level and displays MODULATION ON THE SCREEN.



IF A SUPPLEMENTARY THERMOSTAT HAS BEEN INSTALLED, THE CONNECTION MUST BE MADE BY THE QUALIFIED TECHNICIAN DIRECTLY IN THE BOARD. CONTACT THE DEALER FOR FURTHER DETAILS.

TO FIND OUT WHERE YOUR NEAREST SERVICE CENTRE IS, CONTACT YOUR DEALER OR VISIT THE WEBSITE:
WWW.LANORDICA-EXTRAFLAME.COM

CLEANING AND MAINTENANCE

ALWAYS FOLLOW THE INSTRUCTIONS IN COMPLETE SAFETY!

- ♦ Make sure that the power cord is unplugged because the generator may have been programmed to switch on.
- ♦ That the generator is cold all over.
- ♦ That the ashes are completely cold.
- ♦ Ensure efficient air exchange in the room during the product cleaning operations.
- ♦ Poor cleaning will compromise correct operation and safety!

MAINTENANCE

For correct operation, the generator must undergo routine maintenance by a qualified technician, at least once a year. The periodic inspection and maintenance operations must always be performed by specialised, qualified technicians, who operate in accordance with the laws in force and the instructions given in this use and maintenance manual.



FUMES FROM BLOCKED FLUES ARE DANGEROUS!!

KEEP THE CHIMNEY AND FLUE CLEAR AND CLEAN IN ACCORDANCE WITH THE INSTRUCTIONS.

EVERY YEAR, HAVE THE FUME EXTRACTION SYSTEM, FLUE PIPES AND T-FITTINGS, INCLUDING THE INSPECTION CAPS, CLEANED. IF PRESENT, ALSO CLEAN THE ELBOWS AND HORIZONTAL SECTIONS!

THE GENERATOR CLEANING FREQUENCY IS INDICATIVE! IT DEPENDS ON THE QUALITY OF THE PELLETS AND FREQUENCY OF USE.

THESE OPERATIONS MAY SOMETIMES NEED TO BE PERFORMED MORE OFTEN

PERIODIC CLEANING UNDER USER'S RESPONSIBILITY

The periodic cleaning operations, as indicated in this use and maintenance manual, must be performed with the utmost care after reading the instructions, procedures and frequency described in this use and maintenance manual.

CLEANING THE SURFACES AND COVERING

Never use abrasive or chemically aggressive detergents for cleaning!

The surfaces must be cleaned when the generator and coating are completely cold. For the maintenance of the surfaces and metal parts, simply use a cloth dampened with water or water and neutral soap.

Failure to comply with these instructions may damage the surfaces of the generator and cause the invalidation of the warranty.

CLEANING THE CERAMIC GLASS

Never use abrasive or chemically aggressive detergents for cleaning!

The ceramic glass must be cleaned when the glass is completely cold.

To clean the ceramic glass, simply use a dry brush and some damp newspaper dipped in ash. If the glass is very dirty, use a specific cleaning agent for ceramic glass. Spray a small amount on a cloth and use it on the ceramic glass. Do not spray the cleaning agent or any other liquid directly on the glass or seals!

Failure to comply with these instructions may damage the surfaces of the generator and cause the invalidation of the warranty

CLEANING THE PELLET HOPPER

When the hopper is completely empty, disconnect the generator power cord, remove any residue (dust, debris, etc.) from the empty hopper before filling it up.



THE PELLET HOPPER GASKETS, BURN POT AND FIRE DOOR GUARANTEE CORRECT STOVE OPERATION. THEY MUST BE PERIODICALLY CHECKED BY THE USER. IF THEY ARE WORN OR DAMAGED, DO NOT USE THE STOVE UNTIL THEY HAVE BEEN REPLACED.

THESE OPERATIONS MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

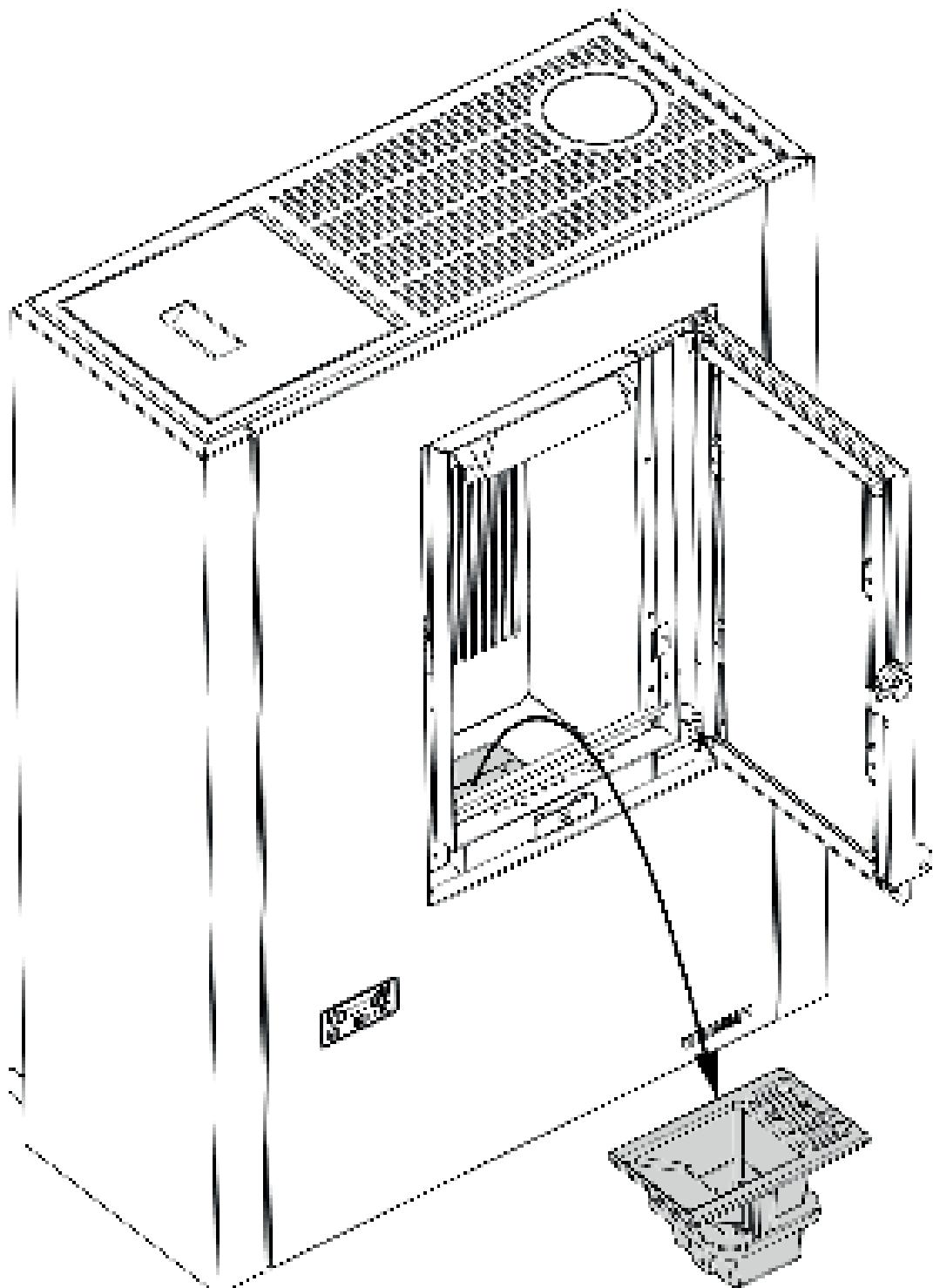


IF THE POWER CORD IS DAMAGED, IT MUST BE REPLACED BY THE SERVICE CENTRE OR BY A SIMILARLY QUALIFIED PERSON, SO AS TO AVOID ALL RISKS.

EVERY DAY**BURN POT AND COMBUSTION CHAMBER:**

- Vacuum the residue in the burn pot
- Remove the burn pot completely from the relevant compartment;
- Vacuum the ash from the burn pot slot, ignition plug pipe holder and combustion chamber.
- Unblock all the holes in the burn pot using the poker supplied.
- Re-position the burn pot in its slot and push it towards the fire wall.

NOTE: Use a suitable ash vacuum cleaner with a special separate container for the ashes collected



EVERY 30 DAYS

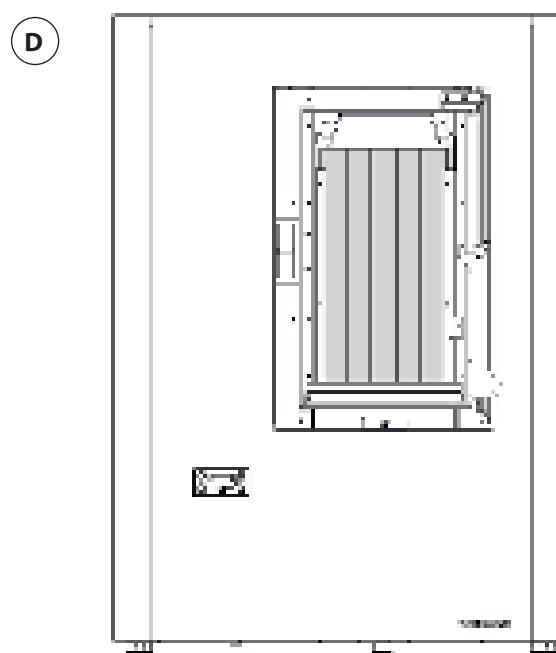
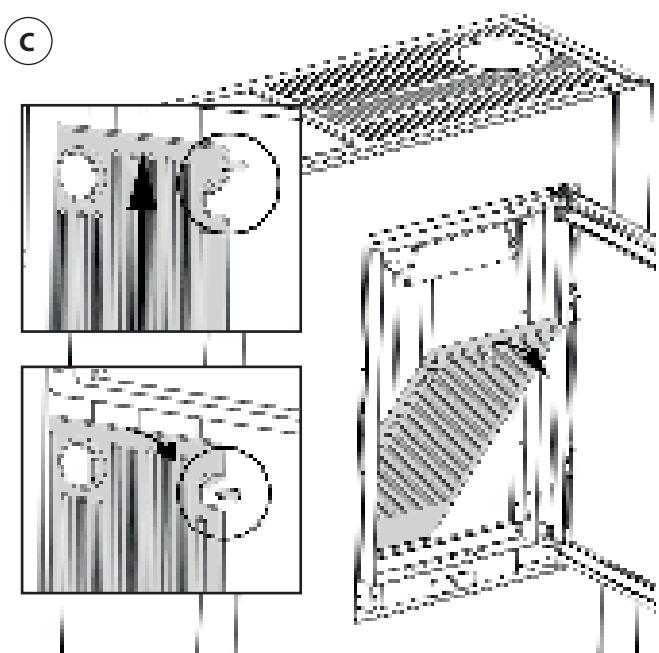
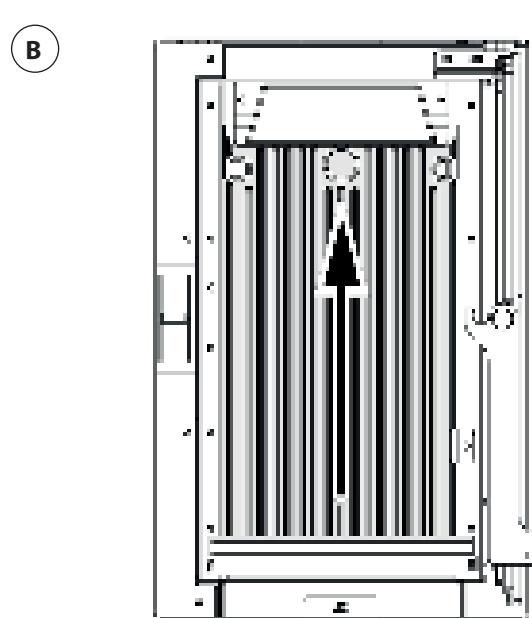
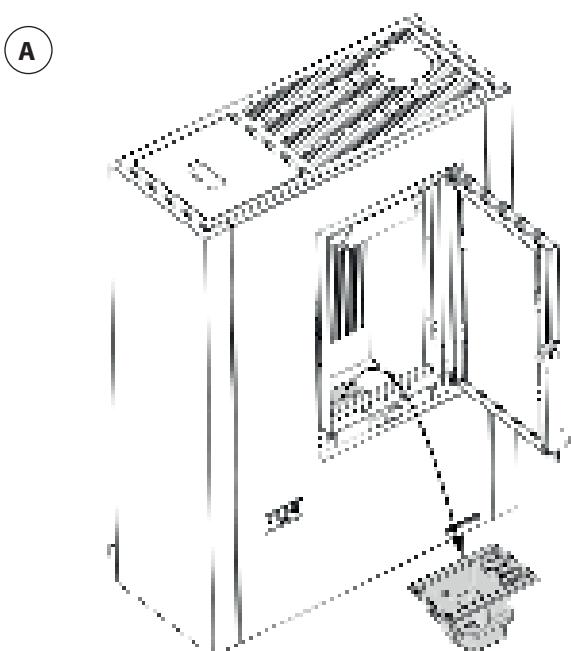
CLEANING THE TUBE HEAT EXCHANGER

- Vacuum the residue in the burn pot
- Remove the burn pot completely from the relevant compartment (A);
- Vacuum the ash from the burn pot slot, ignition plug pipe holder and combustion chamber.
- Unblock all the holes in the burn pot using the poker supplied.
- Release the central wall of the fireplace from the clamps, by sliding it upwards (B).

- Remove the cast-iron wall by tilting it (C).
- Once the central cast iron wall has been removed, clean the tube heat exchanger (D).

After cleaning, replace the cast iron fire wall and reposition the burn pot in its slot pushing it towards the fire wall.

NOTE: Use a suitable ash vacuum cleaner with a specific container for separation of the ash collected.



EVERY 30 DAYS

Cleaning "T" fitting with inspection cap outside the stove: check and clean at least once a month



THE GASKETS FOR THE PELLET HOPPER, BURN POT AND FIRE DOOR ENSURE THAT THE STOVE WORKS PROPERLY. IT IS NECESSARY TO PERIODICALLY CHECK THEM; IF THEY SEEM TO BE WORN OR DAMAGED, THEY MUST BE REPLACED IMMEDIATELY.

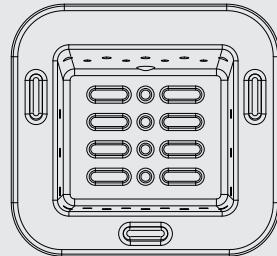
THESE OPERATIONS MUST BE CARRIED OUT BY A QUALIFIED TECHNICIAN.



A CLEAN BURN POT GUARANTEES CORRECT OPERATION!

BY MAKING SURE THE BURN POT AND ITS HOLES ARE ALWAYS CLEAN FROM ANY COMBUSTION RESIDUE, EXCELLENT COMBUSTION BY THE GENERATOR IS GUARANTEED OVER TIME, PREVENTING ANY MALFUNCTIONING THAT COULD REQUIRE TECHNICIAN INTERVENTIONS.

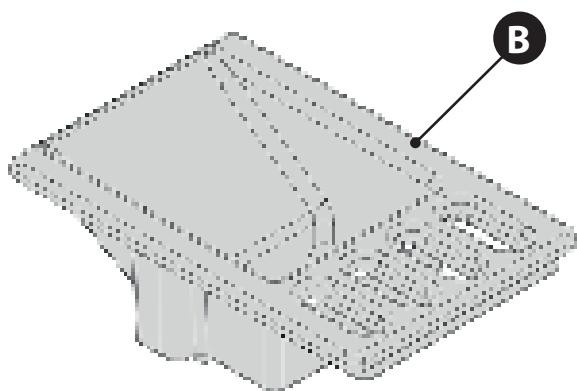
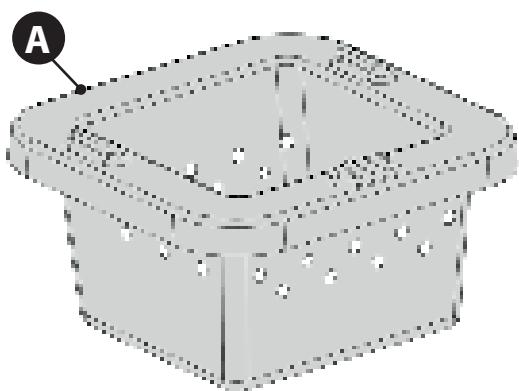
THE "EASY SETUP" FUNCTION IN THE USER MENU CAN BE USED TO ADAPT COMBUSTION ON THE BASIS OF THE NEEDS DESCRIBED.



BURN POT DETAIL

The burn pot consists of several parts:

The burn pot (A) where combustion takes place physically and a flame guard (B).

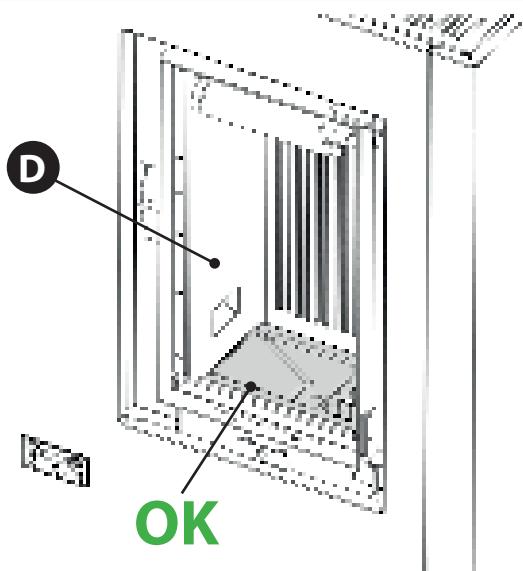


When cleaning and removing the burn pot, remove the flame guard (B) by lifting it.

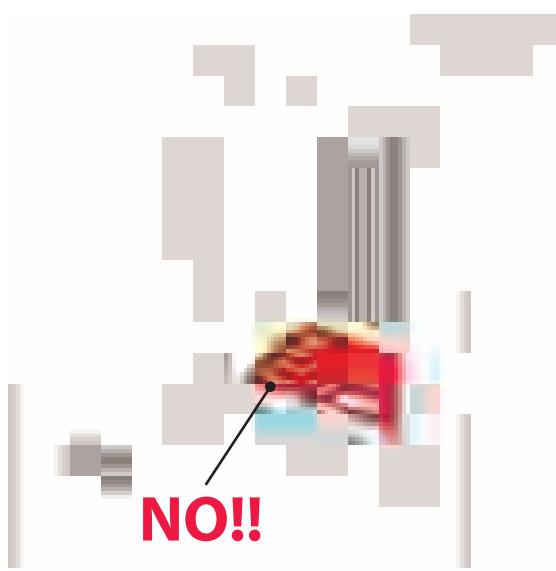
Perform the same operation in reverse order to re-assemble.

After having re-positioned, always make sure:

- that the flame guard is resting correctly on the burn pot.
- that the burn pot has been pushed towards the fire wall (D) (to the left).



OK



TO FIND OUT WHERE YOUR NEAREST SERVICE CENTRE IS, CONTACT YOUR DEALER OR VISIT THE WEBSITE:
WWW.LANORDICA-EXTRAFLAME.COM

ROUTINE MAINTENANCE PERFORMED BY QUALIFIED TECHNICIANS

Routine maintenance must be performed at least once a year.

Since the generator uses pellets as solid fuel, it requires annual routine maintenance, which must be performed by a **Qualified technician, using only original spare parts.**

Failure to comply may jeopardise the safety of the appliance and invalidate the warranty conditions.

By observing the cleaning schedule reserved to the user described in the use and maintenance manual, the generator will be guaranteed correct combustion over time, thus preventing any faults and/or malfunctions which may require subsequent technical assistance. Requests for routine maintenance are not covered by the warranty.

GASKETS, PELLET HOPPER LID, DOOR, ASH DRAWER AND BURN POT, INSPECTION OF SMOKE DUCTS

The gaskets ensure the proper sealing of the stove and therefore its proper operation.

They must be periodically checked by the user. If they are worn or damaged, do not use the stove until they have been replaced.

These operations must be carried out by a qualified technician.

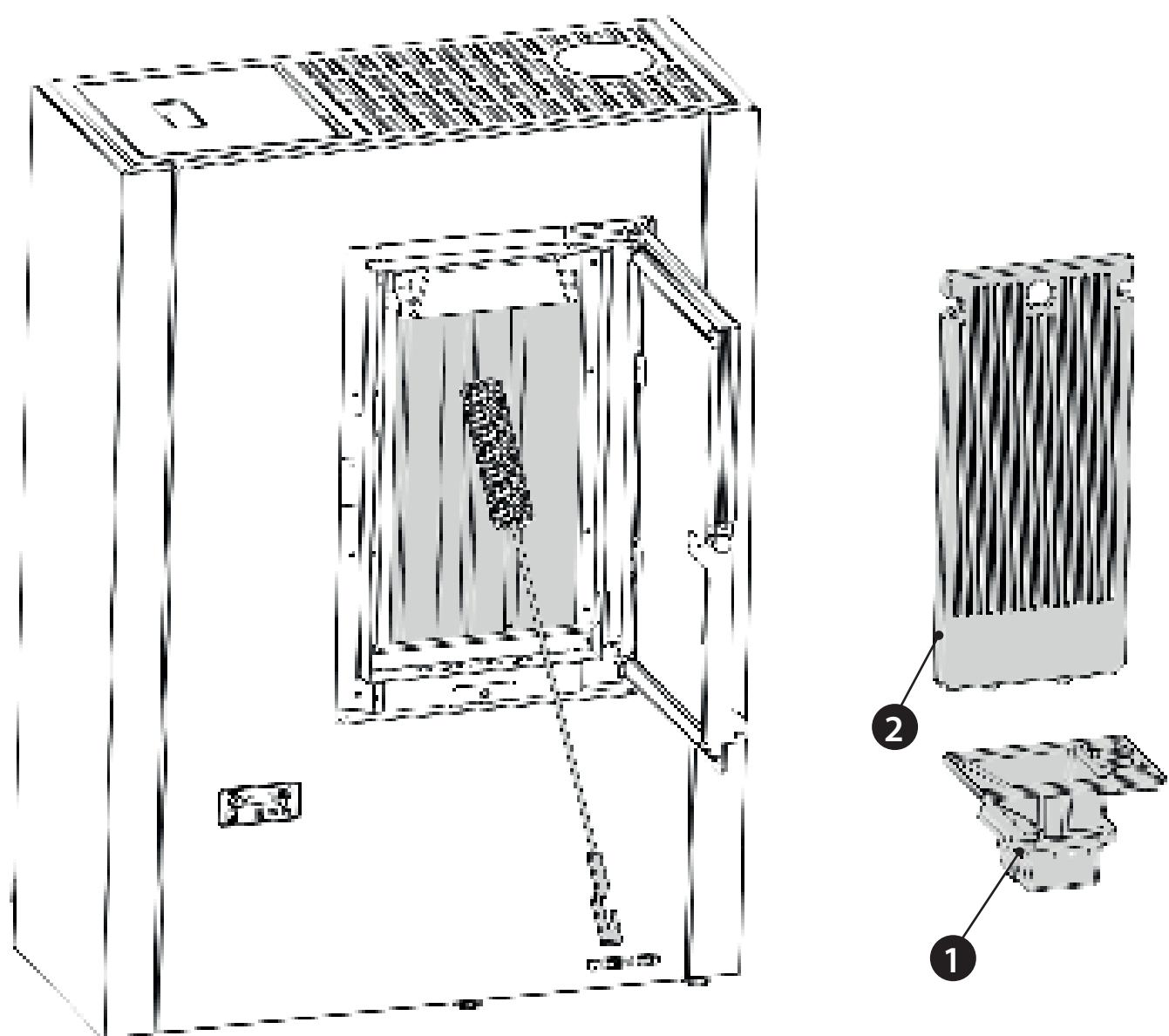
CONNECTION TO THE FLUE

Annually, or in any case each time the flue pipe needs to be vacuumed and cleaned. If there are horizontal sections, the residue must be removed to prevent it from obstructing the flow of fumes.

SHUT-DOWN (END OF SEASON)

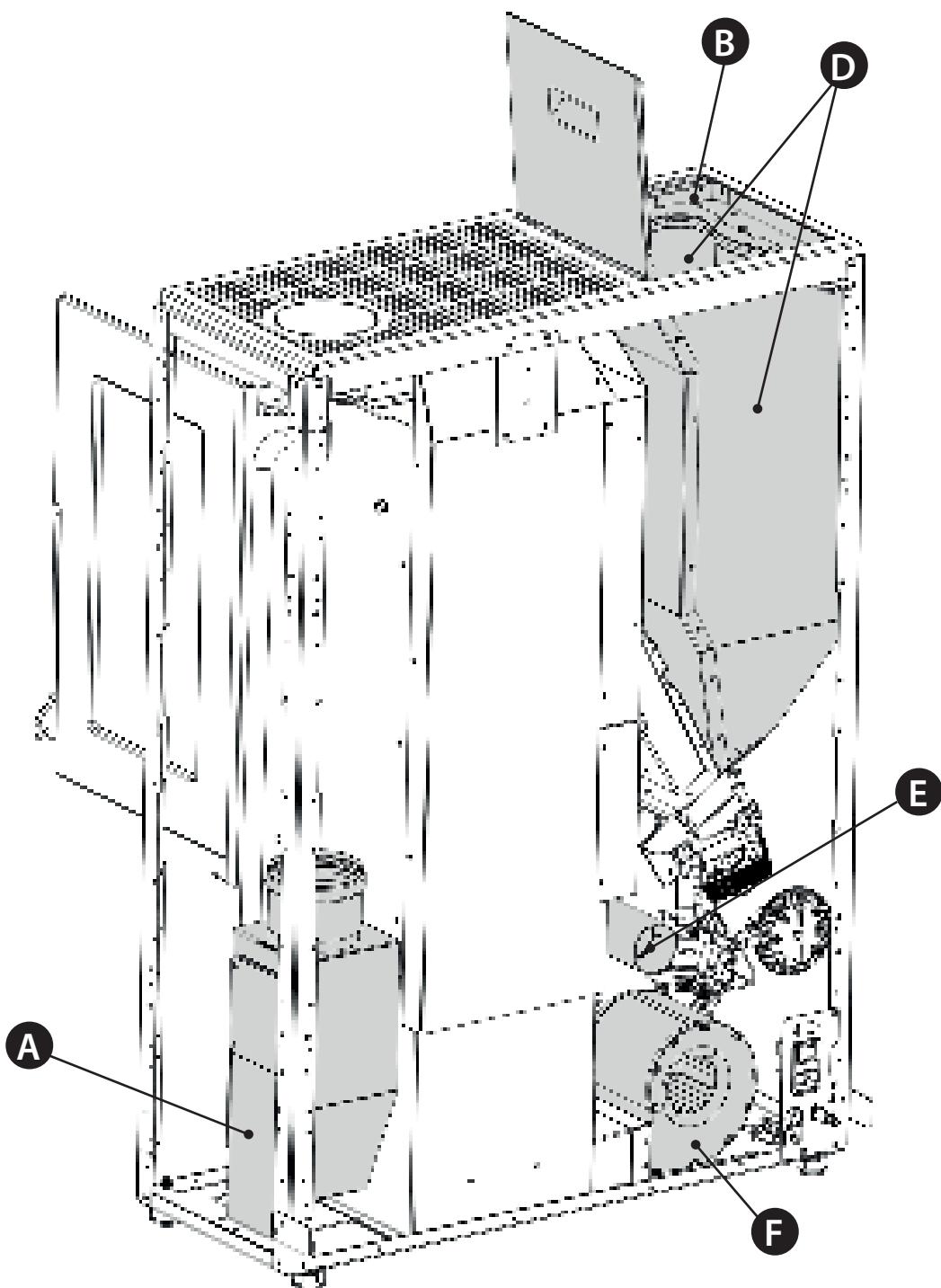
At the end of each season, before turning the stove off, it is advisable to completely empty the pellet hopper, removing any pellet residue and dust with a vacuum cleaner.

Routine maintenance must be performed at least once a year.

**EVERY YEAR (TECHNICAL)
HEAT EXCHANGER**

ROUTINE MAINTENANCE

THE IMAGES ARE FOR ILLUSTRATIVE PURPOSES ONLY.

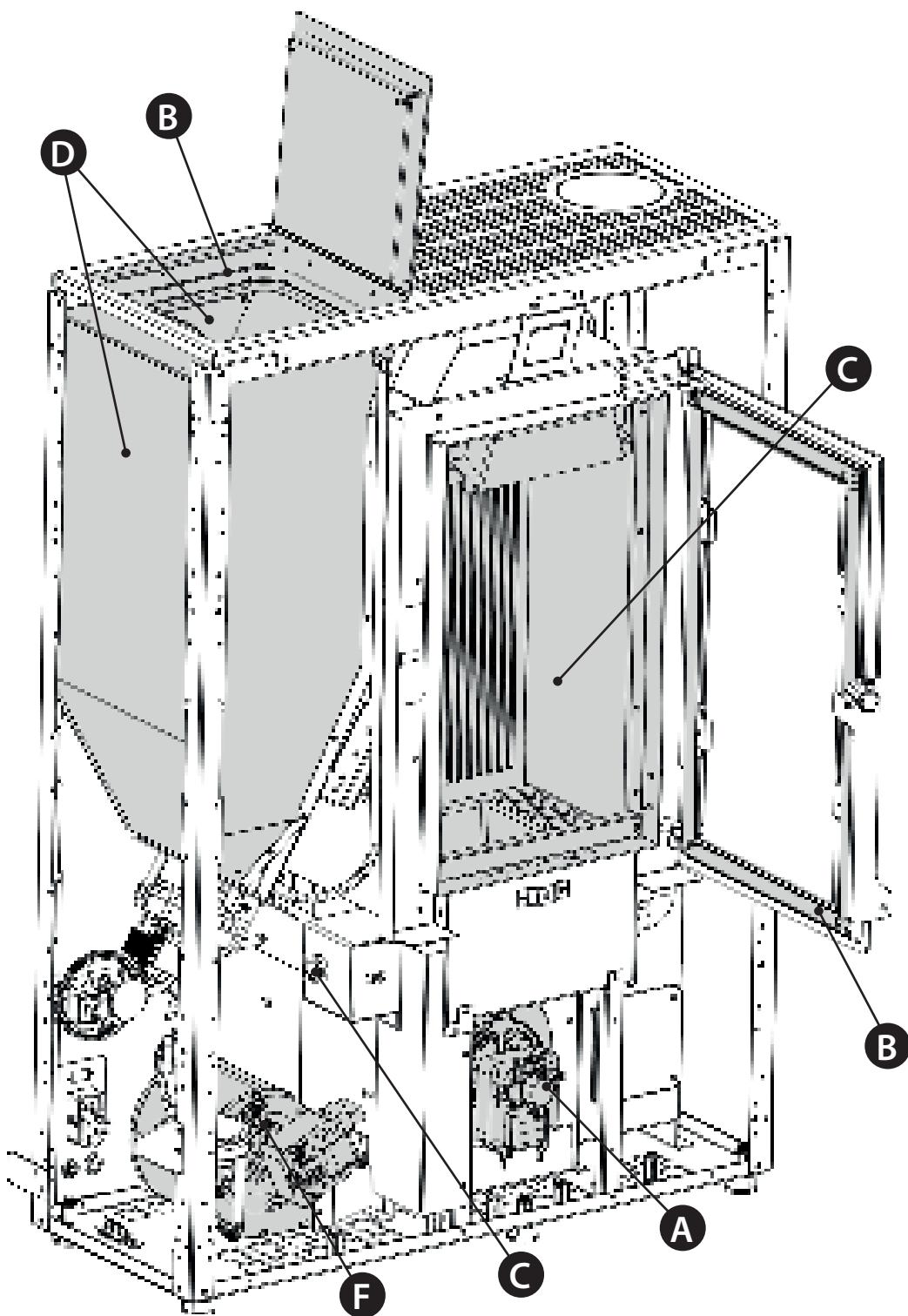


THE IMAGES ARE FOR ILLUSTRATIVE PURPOSES ONLY.

A	Fumes motor (disassembly and cleaning and fumes and "T" pipes), new silicone or gasket in the points indicated.
B	Gaskets, pellet hopper and door (replace them and apply silicone where required)
C	Combustion chamber and heat exchanger (full cleaning) including ignition-plug pipe
D	Hopper (complete emptying and cleaning) and check gasket.
E	Check the air intake pipe and check/clean the mechanical pressure switch
F	Room air fan disassembly and removal of dust and pellet debris.

ROUTINE MAINTENANCE

THE IMAGES ARE FOR ILLUSTRATIVE PURPOSES ONLY.



A	Fumes motor (disassembly and cleaning and fumes and "T" pipes), new silicone or gasket in the points indicated.
B	Gaskets, pellet hopper and door (replace them and apply silicone where required)
C	Combustion chamber and heat exchanger (full cleaning) including ignition-plug pipe
D	Hopper (complete emptying and cleaning) and check gasket.
E	Check the air intake pipe and check/clean the mechanical pressure switch
F	Room air fan disassembly and removal of dust and pellet debris.

DISPLAYS

DISPLAY	REASON
OFF	Generator off
START	The start-up phase is in progress
PELLET LOADING	Continuous pellet feeding is in progress during the ignition phase
IGNITION	The ignition phase is in progress
PREPARATION	The preparation phase is in progress
WORK	The normal work phase is in progress
MODULATION	The generator is working at minimum
FINAL CLEANING	The final cleaning is in progress
STAND-BY	Generator off waiting for re-ignition due to the external thermostat.
COOLING STAND BY	A new ignition is attempted when the generator has just been switched off. When the generator switches off, you must wait for the complete shutdown of the fumes motor, then clean the burn pot. The generator can only be re-ignited when these operations have been performed.
BLACK OUT STAND BY	The generator is cooling after a power cut. Once cooling is completed, it will re-start automatically
*AUTO BLOW	The automatic blow is active
CLOSE STOVE DOOR	This indication means that you have 60 seconds to close the hatch/door and the pellet lid. Once 60 seconds have passed, during ignition the stove will go into "DEPR ALARM" mode, while during normal operation the stove will go into "COOLING STAND BY" mode before automatically resuming operation once the conditions are satisfied (cold stove, etc.).
CLOSE HOPPER	The appliance detects abnormal conditions in the combustion air or flue gas outlet flows.
MIN DELTA-P	

ALARMS

DISPLAY	EXPLANATION	SOLUTION
	Indicates the presence of an alarm.	On: indicates the presence of an alarm The alarm can be reset only if the fumes motor has stopped and 15 minutes have passed since the alarm was displayed, by pressing the ON/OFF key for 3 seconds.
E00	Fumes motor fault	Contact after-sales centre
E01	Fumes probe fault.	Contact after-sales centre
E02	High fumes temperature	Check pellet feed (see "Easy"), if the problem cannot be solved, contact an authorised technician.
E03	NO IGNITION The pellet hopper is empty. Pellet feed calibration inadequate.	Check for the presence of pellets in the hopper. Adjust the pellet flow (see "Easy"). Check the procedures described in the "Ignition" chapter.
E04	NO FLAME The pellet hopper is empty. No pellet feed. The gearmotor does not feed pellets.	Check for the presence of pellets in the hopper. Adjust the pellet flow (see "Easy").

*IF PRESENT

E05	DEPR ALARM The door is not closed correctly. The ash drawer is not closed correctly. The combustion chamber is dirty. The fumes exhaust pipe is blocked/dirty	Check hermetic door closure. Check hermetic closure of the ash drawer. Check cleanliness of the fumes pipe and the combustion chamber.
E06	NO IGNITION BLACK-OUT No power during the ignition phase.	Turn the stove off using key 1 and repeat the procedure described in the "Ignition" chapter. Other reset operations should be performed by an authorised technician.
E07	Triac Abnormal pellet feeding.	Contact after-sales centre
E08	MIN DELTA-P ALARM 1 The combustion chamber is dirty. The fumes exhaust pipe is blocked/dirty The vacuum detection channel inside the ash drawers is clogged. The pellet hopper is open.	Check cleanliness of the fumes pipe and the combustion chamber. Check and clean the hose connection and the ash drawer pressure switch tube. Contact the after-sales centre. Check that the hopper is properly closed and the condition of the sealing gaskets.
E09	MIN DELTA-P ALARM 2 The ash drawer is not closed correctly. The air intake is clogged. The combustion chamber is dirty. The holes in the burn pot are clogged. The heat exchanger and/or the fume pipe of the appliance are dirty. The T-shaped fitting, the flue pipe or the chimney flue are clogged.	Check hermetic closure of the ash drawer. Clean the air intake. Clean the combustion chamber. Clear the burn pot holes. Clean the heat exchanger and the fume pipe of the appliance. Clean/clear the T-shaped fitting, the flue pipe and the chimney flue. Contact after-sales centre
E10	FAULT DELTA-P Differential pressure transducer faulty or disconnected.	Contact after-sales centre

DISPOSAL

INFORMATION FOR MANAGEMENT OF ELECTRIC AND ELECTRONIC APPLIANCE WASTE CONTAINING BATTERIES OR ACCUMULATORS



This symbol, which is used on the product, batteries, accumulators or on the packaging or documents, means that at the end of its useful life, this product, the batteries and the accumulators included must not be collected, recycled or disposed of together with domestic waste. Improper management of electric or electronic waste or batteries or accumulators can lead to the leakage of hazardous substances contained in the product. For the purpose of preventing damage to health or the environment, users are kindly asked to separate this equipment and/or batteries or accumulators included from other types of waste and to arrange for disposal by the municipal waste service. It is possible to ask your local dealer to collect the waste electric or electronic appliance under the conditions and following the methods provided by national laws transposing the Directive 2012/19/EU.

Separate waste collection and recycling of unused electric and electronic equipment, batteries and accumulators helps to save natural resources and to guarantee that this waste is processed in a manner that is safe for health and the environment. For more information about how to collect electric and electronic equipment and appliances, batteries and accumulators, please contact your local Council or Public Authority competent to issue the relevant permits.

EN 16510-1 Symbol	EXPLANATION
nom	Nominal heat output
part	Part load heat output
CON / INT	Appliance operation, Continuos (CON) or Intermittent (INT)
$CO_{2\text{nom}} / CO_{2\text{part}}$	Carbon dioxide emission
$CO_{\text{nom}} / CO_{\text{part}}$	Carbon monoxide emission
d_B	Minimum distances to combustible materials - bottom
d_C	Minimum distances to combustible materials - ceiling
d_F	Minimum distances to combustible materials - floor in front
d_L	Minimum distances to combustible materials - side radiation area
d_{non}	Minimum distances to non-combustible walls
d_{out}	Flue gas exhaust pipe
d_P	Minimum distances to adjacent combustible materials - front
d_R	Minimum distances to combustible materials - rear
d_S	Minimum distances to combustible materials - side
E, f	Power supply voltage, frequency
EEI	Energy Efficiency Index
el_{max}	Consumption of electrical auxiliary energy at nominal heat output
el_{min}	Consumption of electrical auxiliary energy at part load heat output
el_{SB}	Consumption of electrical auxiliary energy at standby
H	Appliance height overall
L	Appliance depth overall
m	Net weight
m_{chim}	Maximum load of a chimney the appliance max carry
$m_{h\text{nom}} / m_{h\text{part}}$	Hourly consumption
$NO_{x\text{nom}} / NO_{x\text{par}}$	Nitrogen oxides emission
$OGC_{\text{nom}} / OCG_{\text{part}}$	Emission of organic gaseous carbon
$PM_{\text{nom}} / PM_{\text{part}}$	Particulate matter emissions
$P_{\text{nom}} / P_{\text{part}}$	Heat output
$p_{\text{nom}} / p_{\text{part}}$	Minimum flue draught
$P_{\text{SHnom}} / P_{\text{SHpart}}$	Space heat output
p_w	Permissible maximum water operating pressure
$P_{W\text{nom}} / P_{W\text{part}}$	Water heat output
s	Thickness of the protective insulation material
T_{class}	Chimney designation
$T_{f,g\text{nom}} / T_{f,g\text{part}}$	Mean flue gas temperature
$T_{s\text{nom}} / T_{s\text{part}}$	Flue gas outlet temperature
W	Appliance width overall
W_{max}	Maximum electric power input
$\eta_{\text{nom}} / \eta_{\text{part}}$	Efficiency
η_s	Seasonal space heating efficiency at nominal heat output
$\Phi_{f,g\text{nom}} / \Phi_{f,g\text{part}}$	Flue gas mass flow
Wood Pellet (L)	Wood Pellet
Wood Logs (l)	Wood Logs
	Read and follow the user operating instructions

Extraflame®

Riscaldamento a Pellet

EXTRAFLAME S.p.A. Via Dell'Artigianato, 12 36030 - MONTECCHIO PRECALCINO (VI) - ITALY

☎ +39.0445.865911 - ☎ +39.0445.865912 - ☐ info@extraflame.it - ☐ www.lanordica-extraflame.com

MADE IN ITALY
design & production

*TO FIND THE SERVICE CENTRE NEAREST TO YOU
CONTACT YOUR DEALER OR CONSULT
THE SITE WWW.LANORDICA-EXTRAFLAME.COM*

The manufacturer reserves the right to vary the characteristics and the data reported in this pamphlet at any moment and without notice, in order to improve its products.