nobis

YOUR STOVE, OUR PASSION

EN - Installation, use and maintenance manual

A8 V / C ROUND STEEL / TOP / COAX

A10 V / C ROUND STEEL / TOP / COAX

Dear Customer. Thank you for choosing a product from our range.
You are invited to read this manual carefully before using it, to
take full advantage of all its features, in complete safety.
This manual contains information necessary for correct installation,
start-up, use, cleaning and maintenance of the product.
Keep this manual in an appropriate place having carefully consulted it.
Improper installation, maintenance not carried out correctly and improper use of the product
relieve the manufacturer of any liability towards people or property.

MANUAL INDEX

1 INTRODUCTION

The product by Nobis was designed and manufactured in compliance with the reference standards for the manufacturing products (EN13240 wood stoves, EN14785 pellet appliances, EN13229 fireplaces/ inserts for wood, EN12815 wood stoves), with high quality materials. The products also comply with the essential requirements of the Directive 2014/35/ EU (Low Voltage) and the Directive 2014/30/EU (Electromagnetic Compatibility).
The printing, translation and reproduction, even partial, of this manual is intended as binding by the manufacturer's authorisation and the content of working logic and explanatory figures is considered not be be disclosed.
Always consult the authorised technicians if in doubt and/or confused by operation of the the product.
The manufacturer reserves the right to make changes to specifications and technical and/or working features of the product at any time without prior warning.

1.1 SYMBOLS

The following manual contains symbols which highlight the importance of particular descriptions or concepts;

INFORMATION: Compliance with the specifications guarantees correct operation of the product.

ATTENTION: Symbol used to identify particularly important information

DANGER: The presence of this symbol indicates utmost attention is required, to guarantee user and product safety.

1.2 PLANNED USE

The product in this manual, is a fireplace for domestic heating, feed by automatic loading and exclusively with wood pellets.

The product was designed and manufactured to work in safety if the following conditions occur:
- installation by specialist staff according to the specific reference standards;
- use within the limits declared on the product data sheet and in this manual;
- compliance with technical procedures described in the manual;
- carrying out routine maintenance within the times and methods indicated in this manual;
- prompt execution of extraordinary maintenance if necessary (malfunctioning);
- activity and maintenance of safety devices (do not remove or bypass this devices).

1.3 IMPROPER USE

The product must be intended for the use for which it was expressly designed; for any other use, the manufacturer cannot be held in any way liable for damage caused to people, animals or property.
Improper use is intended as:
- use of the product as an incinerator;
- use of the product with fuel other than wood pellets with a diameter of 6 mm;
- use of the product with liquid fuel;
- use of the product with the fire door open and/or glass broken and/or ash pan removed and/or pellet tank open.

Any other use of the appliance other than that planned must be authorised in advance in writing by the manufacturer.
Furthermore, the manufacturer cannot be held in any way liable for errors in installation, adjustment or maintenance of the product.

1.4 IMPORTANCE OF THE MANUAL

The manual has the purpose of providing essential rules for correct installation, use and maintenance of the product.
PRESERVATION: Keep the manual in a place that is easy and quick to find;
DETERIORATION OR LOSS: Consult the official site to download the manual;
PRODUCT TRANSFER: In the event of sale between private individuals of the product, the owner is obliged to deliver the product with the following manual.

1.5 GENERAL SAFETY WARNINGS

Non-compliance with the provisions of this manual can cause damage to people, animals and property.
- Installation, testing of the system, functionality testing and initial calibration of the product must only be carried out by qualified and authorised staff.
- The product must be connected to a single chimney flue that guarantees the draught declared by the manufacturer and which complies with the installation standards outlined in the assembly location of the product.
- The premises where the product is installed must be adequately ventilated (air intake).
- Do not touch the hot surfaces without adequate protective equipment, to avoid burns.
- When in operation, the external surfaces reach high temperatures.
- It is forbidden to make changes to the product unless expressly communicated in writing by the manufacturer.
- In the event of fire in the chimney flue, contact the Fire Brigade immediately.

- The product can be used by children over 8 years of age and people with reduced physical, sensor or mental capacity, or without experience or the necessary know-how, provided they are supervised, or have received instructions on the safe use of the appliance and have understood the dangers involved. Children must not play with the appliance.
- Cleaning and maintenance intended to be carried out by the user must not be carried out by children without supervision.
- Do not dry washing on the the product.
- Fuel and flammable materials must be kept a necessary distance from the product. Danger of fire.
- The product must be electrically connected to a system equipped with a sufficient ground system.
- In the event of a fault on the switch on system, do not force switch on using flammable materials and consult an authorised technician.
- For the no hermetic product, installation is forbidden in small rooms and bedrooms.
- Installation is forbitten in surroundings with explosive atmospheres.

1.6 LEGAL WARRANTY

The user, to benefit from the legal warranty, must strictly comply with the provisions indicated in this manual. In particular:

- always work within the use limitations of the product;
- always carry out routine maintenance;
- authorise people to use the machine with proven capacity, attitudes and who are adequately trained for the purpose;
- use original spare parts and specifically for the appliance model.

It is also necessary to provide a:

- fiscal receipt with the purchase date;
- a certificate of compliance issued for installation by authorised staff.

Non-compliance with the provisions contained in this manual will imply immediate expiry of the warranty on the product and on any spare parts assembled later.

1.7 EXCLUSIONS FROM THE WARRANTY

The warranty excludes all malfunctions and/or damage to the appliance resulting from the following causes:

- damage caused by transport and/or movement;
- all parts resulting as being faulty due to negligence or careless use, wrong maintenance, non-conforming installation with that specified by the manufacturer (refer to the installation and use manual supplied with the appliance);
- further damage caused by wrong intervention by the user in an attempt to solve the initial fault;
- aggravated damage caused by further use of the appliance by the user once the defect was noted;
- in the presence of a boiler, any corrosion, scale or breakages caused by stray current, condensate, abrasion or acidity in the water, scale removal treatments carried out improperly, no water, sludge or limescale deposits;
- inefficiency of the chimneys, chimney flues or parts of the system on which the appliance depends;
- damage caused by tampering with the appliance, atmospheric agents, natural disasters, vandalism, electrical discharge, fire, faulty electrical and/or plumbing system.

The following are also excluded from the warranty:

- parts subject to normal wear such as gaskets, glass, coverings and grates in cast iron, painted, chrome-plated or gold-plated parts, handles and electrical cables, lights, switch on resistor, indicator lights, knobs, all parts that can be removed from the fireplace (e.g. refractory, brazier, baffle);
- colour variations of painted and ceramic parts, as well as the ceramic cracks since they are natural features of the material and use of the product;
- masonry works;
- parts of the system (if present) not supplied by the manufacturer;

Any technical intervention on the product to eliminate the aforementioned defects or resulting damage should therefore be agreed with the Technical Support Centre, which reserves the right to access or refuse the relevant job and in any case they will not be carried out under warranty, but rather Technical Support will provide the possible conditions to specifically agree upon and according to rates in force for the works to carry out. The user will also be responsible for the expenses which will be necessary to resolve any wrong technical intervention, tampering or however damaging factors for the appliance not attributable to the original defects. Notwithstanding the restrictions imposed by legislation and regulations, every warranty to contain atmospheric and acoustic pollution is also excluded.

1.8 SPARE PARTS

Only use original spare parts.
Do not wait for the components to wear from use before replacing them.
This measure promotes prevention of accidents caused by people, animals or property in the event of product malfunctioning caused by faults.
You are advised to contact authorised staff to replace spare parts, worn parts and for extraordinary maintenance of the the product.

1.9 IDENTIFICATION PLATE

The plate placed on the back of the product outlines all the characteristic data of the appliance, including the manufacturer's data, the serial number and the CE marking.

1.10 PRODUCT DISPOSAL

Demolition and disposal of the product is the exclusive responsibility of the owner, who should do so in compliance with legislation in force in his
country on safety matters, with respect of and safeguarding the environment.
At the end of its useful life, the product must not be disposed of as urban waste.
It can be delivered to specific differentiated waste collection centres made available by municipal administrations, or dealers who provide this service.
Disposal of the product as differentiated waste means possible negative consequences for the environment and health are avoided, deriving from inadequate disposal. Furthermore, it allows
recovery of materials composing the product to obtain important savings in energy and
resources.

1.11 HERMETIC PRODUCT

The products manufactured with a perfectly hermetic
structure do not consume oxygen in the environment, since they take all the air from outside the home (if correctly installed) and can therefore be positioned inside all homes with a high level of insulation, such as "passive houses" or "with high energy efficiency". Thanks to this technology, there is no risk of smoke emissions in the environment and no ventilation grates are necessary.
As a result, no cold air flows are created in the environment making it less comfortable and reducing the overall efficiency of the system. Hermetic products can also be installed in the presence of forced ventilation or in premises which can go into negative pressure compared to outside.

2 CHARACTERISTICS OF THE PELLETS

Wood pellets are fuel made of pressed sawdust, often recovered from carpentry processing waste. The material used cannot contain any foreign substance such as glue, varnish or synthetic substances.
Sawdust, after drying and cleaning of impurities, it is pressed using a matrix: due to the high pressure, the sawdust heats activating the natural binders in the wood; by doing so, the pellet maintains its shape even without adding artificial substances. The density of wood pellets varies based on the type of wood and can exceed 1.5 - 2 times that of natural wood.
The cylinders have a diameter of 6mm and a variable length of 10 to 40mm.
Their density is equal to approx. 650 kg/m3. Due to the low water content (< 10%), they have a high energy content.
The main quality certifications for pellets on the European market today guarantee the fuel is within class A1 in according to ISO 17225-2:2014 (formerly EN 14961). Examples of these certifications are for example ENPlus, DINplus, Ö-Norm M7135, and guarantee they comply in particular with the following characteristics:

- heating power: 4.6 ÷ 5.3 kWh/kg;
- water content: ≤ 10% of weight;
- percentage of ash: max 1.2% of weight (A1 under 0.7%);
- diameter: 6±1/8±1 mm;
- length: 3÷40 mm;
- content: 100% untreated wood without any additional binder substances (percentage of bark max 5%);
- packaging: in sacks made from eco-compatible or bio-degradable.

The manufacturer recommends, for its products, use of class A1 certified fuel according to the standard En ISO 17225-2:2014, or certified DIN PLUS (more restrictive than class A1) or O-NORM M7135.

Pellets must be kept in a dry environment which is not excessively cold. You are also advised to keep some bags of pellets where the product is installed and operating, to dry them of any humidity present.
Non-compliance with this aspect reduces the thermal power of the fuel and means greater maintenance must be done on the product.

3 INSTALLATION

All local and national legislation and European standards must be met when installing and using the the product.

The assembly position must be chosen based on the environment, the discharge and the chimney flue. Check, with your local authority, if there are more restrictive provisions regarding the oxidising air intake, the smoke discharge system including the chimney flue and chimney pot.
The manufacturer cannot be held in any way liable in the event of installation non-compliant with legislation in force,
of incorrect premises air exchange or electrical connection non-conforming with standards and/or inappropriate use of the appliance.
Installation must be carried out by a qualified technician, who will issue the purchaser with a Declaration of Conformity for the system and will assume complete responsibility for final installation and resulting good operation of the product.
In particular, he should ascertain:
- there is an adequate oxidising air intake and good smoke discharge compliant with the type of product installed;
- other stoves or devices installed do not cause negative pressure in the room where the product is installed (only for hermetic appliances, a maximum of 15 Pa depression in the surroundings is permitted);
- when the product is on, there is no smoke back draught in the surroundings;
- smoke evacuation is implement in total safety (dimensioning, smoke seal, distances from flammable materials..).

Once the position is decided where to install the product, you need to pay attention:
- if the floor is made of combustible material, you should use protection in suitable material (steel, glass...) which also protects the front part from any falling burning fuel during cleaning operations:
- that the floor guarantees adequate load capacity.
  if the existing building does not meet this requirement, you should take appropriate measures (for example a load distribution plate).

3.1 AIR INTAKE

The installation premises of non-hermetic appliances must be sufficiently ventilated with specific openings, with particular attention on the position (they must NEVER be blocked), which consent air reintegration in the environment.
The air must be taken directly from outside (not from other rooms, garage, etc.) and must have a net useful section equal or higher than 80 cm^2 pellet burning stoves and thermostoves (EN 14785) and 100 cm^2 for boilers (EN 303-5).
The air intake is not necessary for installation of the hermetic appliances that take air directly from outside. Check and comply with the ventilation requirements for simultaneous operations with other combustion devices and in the presence of forced ventilation systems or hoods (refer to section 6.4 of UNI 10683).

3.2 SMOKE CHANNEL AND FITTINGS

The term smoke channel indicates the piping connecting the appliance to combustion with the chimney flue.
For heat generating appliances with an electric fan to expel the smoke, the following installation instructions must be followed, provided by the manufacturer concerning the maximum length and number of curves the smoke channels can have.
If no indications are given for maximum values or deriving from preliminary calculations according to UNI EN 13384-1, the following provisions must be applied:
- comply with the product standard EN1856-2;
- the horizontal sections must have a minimum slope of 3% upwards;
- the length of the horizontal section must be minimal and its projection on plan must not exceed 4 metres;
- the number of changes of direction including introduction in the chimney flue and excluding that by effect of using a "T" element in the appliances with rear smoke output, must not exceed 3;
- the changes of direction must not have an angle over 90°(45° curve recommended);
- the section must have a constant diameter equal to the output of the fireplace up to the fitting in the chimney flue;
- it is forbidden to use flexible metal and fibre cement piping, furthermore the piping must guarantee pressurised sealing;
- the smoke channels must not cross premises in which installation is forbidden of combustion appliances;
- Use watertight piping with silicone gaskets.

In any case, the smoke channels must be sealed by combustion and condensate products, as well as insulated if passing inside the installation premises.
Assembly is not permitted of draught manual adjustment devices on forced draught appliances.

You need to install a first vertical smoke channel section of at least 1 metre to guarantee correct smoke ejection.

3.3 CHIMNEY FLUE

When installing the chimney flue, the following provisions must be applied.

- comply with the product standard EN 1856-1;
- it must be installed using materials suitable to guarantee resistance to normal mechanical and chemical stress, and have a correct insulation, to avoid the formation of condensate, therefore it must be hermetically insulated;
- have a mainly vertical state and not be choked along its length;
- be correctly spaced using air cavities and insulated from flammable materials,
- the changes in direction must be at most 2 and with an angle not exceeding 45°;
- the chimney flue inside the home must however be insulated and can be inserted in a cavity provided it complies with the relevant piping standards;
- the smoke channel should be connected to the chimney flue using a "T" joint with an inspectionable collection chamber for collection of fuel residue and, in particular, for condensate collection.

It is not possible to connect the appliance to a chimney flue shared with other combustion appliances or in the presence of hood exhausts.

It is forbidden to use direct wall discharge or towards closed spaces or any other form of discharge not planned by legislation in force in the country of installation (In Italy, only roof discharge is permitted)

You are advised to check the safe distances which must be complied with in the presence of combustible materials and the type of insulating material to use (data available directly on the chimney flue plate)

3.4 CHIMNEY STACK

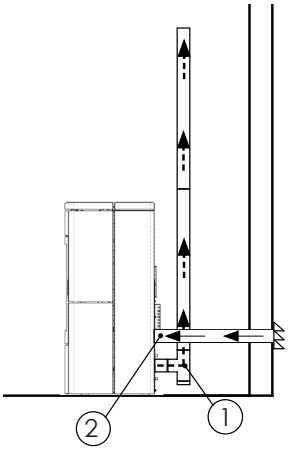
The standard UNI 10683 states the stack must meet the following characteristics:

- the smoke outlet section must be at least double the inner section of the chimney;
- shaped to prevent water or snow penetration;
- be built in such a way that wind cannot affect the smoke outlet (wind-proof cap);
- the opening measurement, which is measured between the lower coverage protective layer and the lower point of the smoke outlet section into the atmosphere, must be outside the back draught area;
- Be built far from antennas or satellite dishes and must never be used as a support.

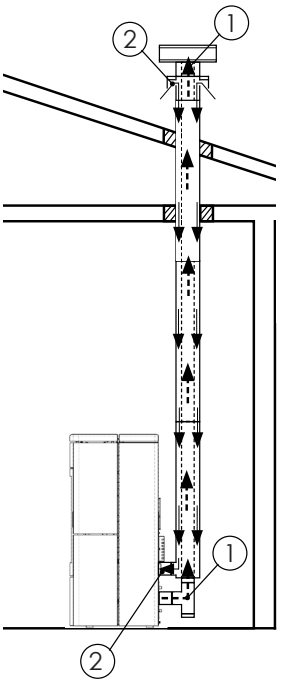
3.5 HERMETIC PRODUCT INSTALLATION

In the event of installation of a hermetic product, you can execute one of the following types of connection with the piping:

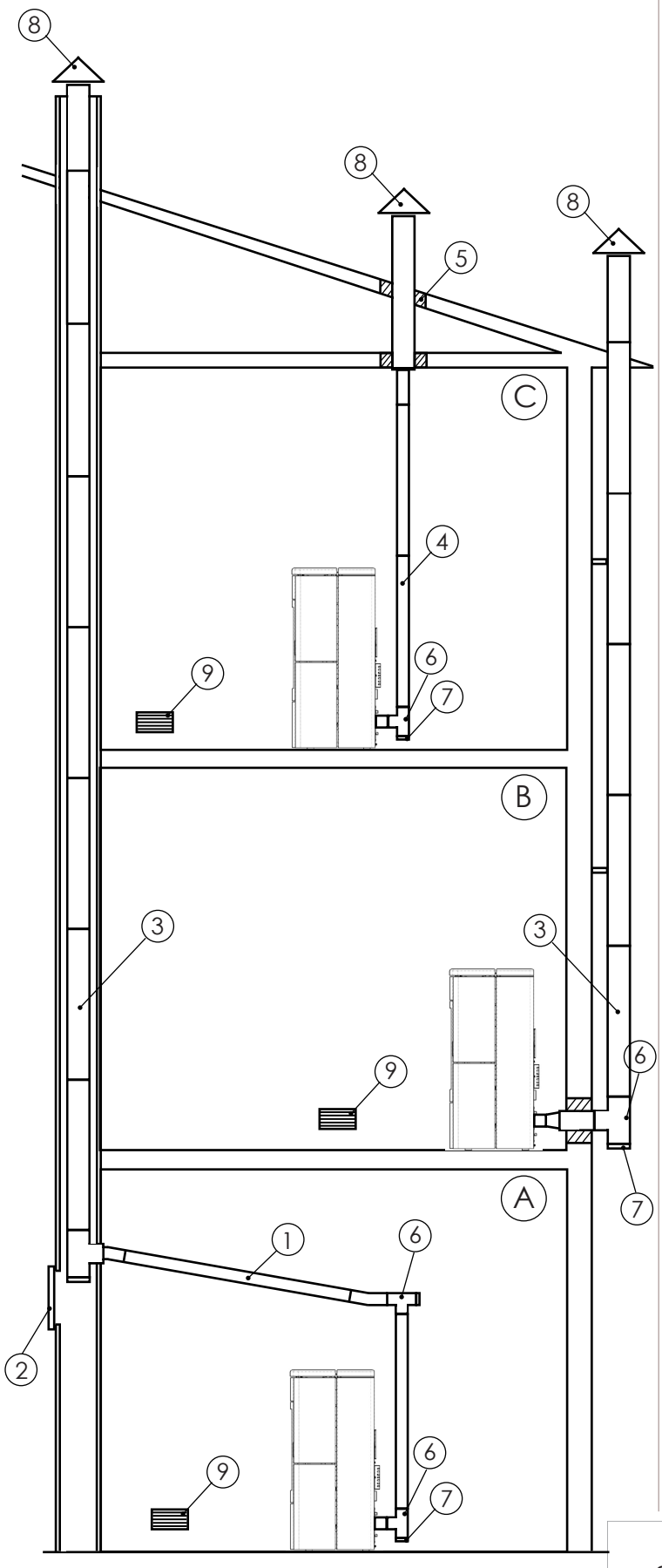
- smoke discharge (1) and recovery of oxidising air directly from outside (2)



- smoke discharge (1) and oxidising air channelling (2) taking advantage of its coaxial discharge to expel the smoke and pick the air; therefore, installation is not necessary of a grate to recirculate the air inside the premises where the the product.



For coaxial installation or air sampling directly from the outside, it is recommended not to exceed 2.5 / 3 linear meters in order to ensure correct oxygen supply to combustion.



3.6 EXAMPLES OF CORRECT INSTALLATION

installation of the product (A) necessary for the horizontal section for connection to an existing chimney flue. Based on a slope of 3-5%, to reduce ash deposit in the horizontal pipe section which must not be over 3m (1). The existing chimney flue must be inspectionable (2).

Installation of the product (B) requires an insulated chimney flue (3) with an internal diameter of no less than 100mm, since all the smoke piping was assembled outside the home.

Installation of the product (C) requires a single wall chimney flue (4) for the section inside the home. Relating to the part placed in the attic, you are advised to install a chimney flue Ø120mm, with perforation for passage of the piping, extended to:

- minimum 100mm around the pipe if in contact with inflammable parts such as cement, bricks, etc.;
- minimum 300mm around the pipe (or as described in the plate data) if in contact with flammable parts such as wood etc.

In both cases, insert adequate insulation (5) between the chimney flue and the attic.
You are advised to check and comply with the plate data of the chimney flue, in particular the safe distances from combustible materials.
The previous rules also apply for holes made on walls.

On the lower part of the chimney flue, for all 3 installations, a "T" fitting (6) was assembled with an inspection plug (7), as well as on the inlet of the chimney flue.

The upper part of the chimney flue, for all 3 installations, has a wind-proof chimney pot (8) assembled.

In the home, for all 3 installations, a grate is planned to guarantee correct oxygenation of the premises where the product is positioned.

Grate not necessary if appliance is hermetically sealed.

It is not recommended to install a 90° curve as an initial section which would quickly cause ash to block smoke passage, causing draught problems in the appliance.

In the event of particular atmospheric conditions and/or hostile draught conditions, the product can overcome these situations provided due installation measures are in place, for example a wind-proof chimney pot.

3.7 DOCUMENTATION TO ISSUE

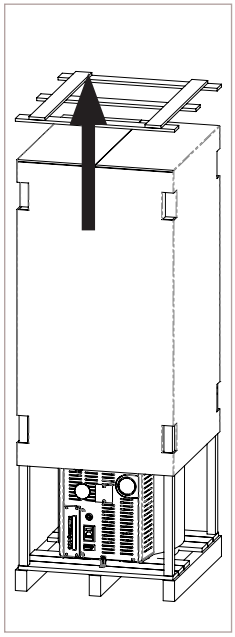
When installation is concluded, the installation technician must deliver to the user:
- the use and maintenance booklet of the appliance supplied by the manufacturer;
- the technical documentation of the accessories used and subject to maintenance;
- the documentation relevant to the evacuation system of combustion products;
- The system booklet (where planned);
- the documentation certifying installation;

The useful documentation for installation liability must include:
- a detailed description (also including photographs) of the presence of other heat generators;
- Declaration of Conformity of the system to standard (M.D. 37/08);
- general description, or diagram or photographic documentation of the changes made to the system, if intervention was necessary during installation;
- Use of certified material with the CE mark (305/2011);
- possible instructions relating to the warranty;
- the date and signature of the installation technician;

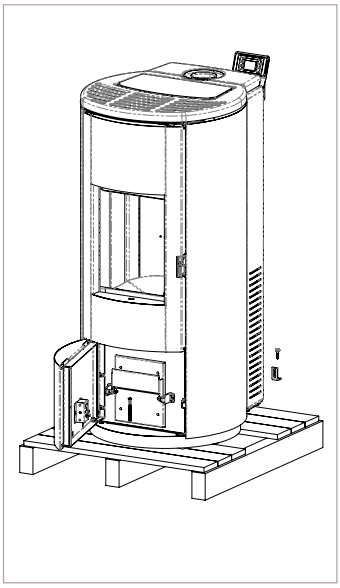
NOBIS SRL cannot be held in any way liable in the event of non-compliance with the installation and start-up standards of its products.

3.8 UNPACKING THE PRODUCT

Packaging is composed of boxes in recyclable cardboard according to the RESY standards and wooden pallets. All packaging materials can be re-used for similar use or, if necessary, disposed of as urban waste, in compliance with legislation in force.
Remove the strap binding the pallet to the packaging and lift the cardboard; remove the plastic bag around the product, ensuring it is intact.
The body must always be moved in a vertical position using trolleys.
Pay particular attention so that the door and its glass are protected against mechanical impact which would compromise their integrity.
If possible, unpack the product near the area where it will be installed.



To remove the appliance from the pallet, you can remove the two screws placed under the pallet (13 hex key) to release the appliance from the wooden base.
Position the equipment and proceed with its connection to the chimney flue. Find, using the 4 adjustment feet, the right level so that smoke discharge and the pipe are connected correctly.

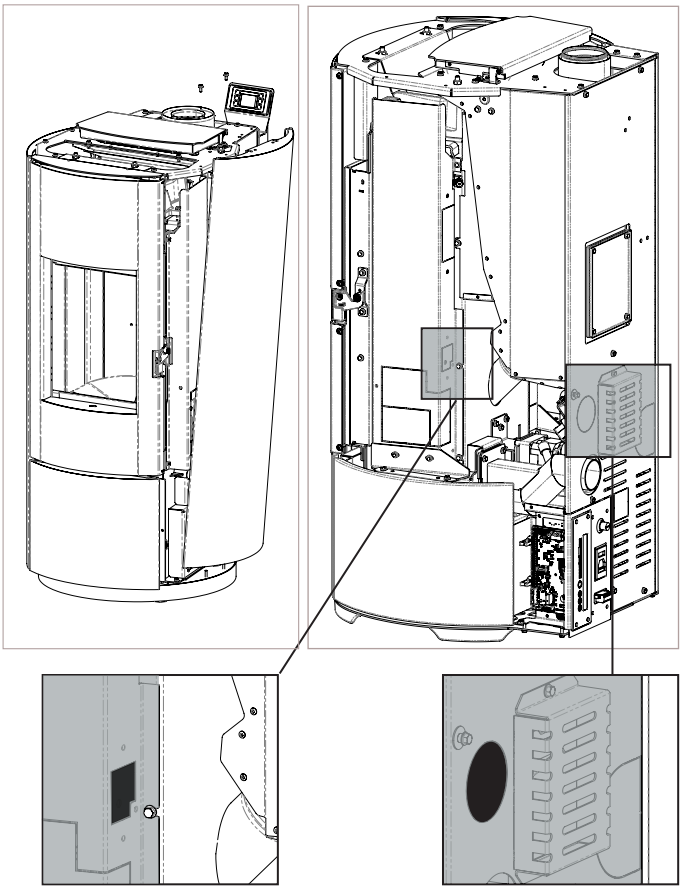


3.9 INSTALLATION WARM AIR DUCTING KIT

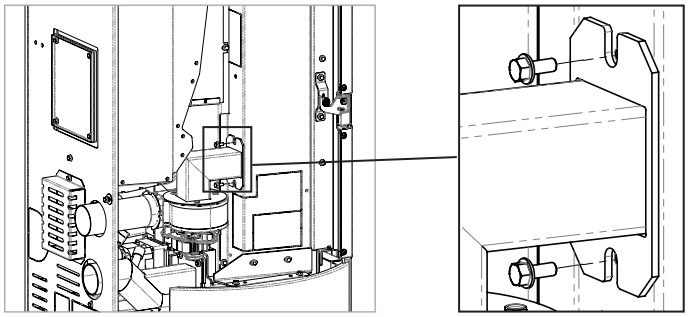
Remove the cast iron cover from the stove, disassemble the right side (front view) and remove the ducting kit from the packaging.

CONNECT CANALIZATION TO STOVE
Remove the right rear side and Remove the pre-drilled blank from the sheet metal with the assistance of a suitable tool (e.g. pry with screwdriver).

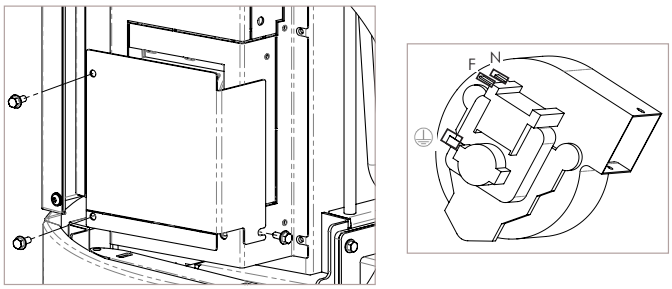
The installation of the ducting, without removing the pre-drilled hole blank, will result in NO heat being emitted from the ducting.



Position the stove canalization adapter by means of the 2 screws 5, present in the kit, and an 8mm hexagonal wrench.



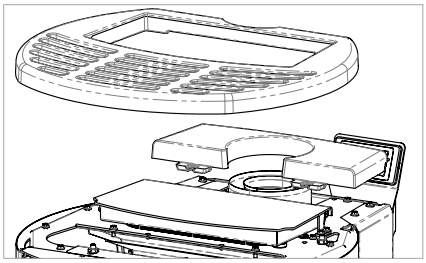
In the kit there is a cap with 3 screws of 8 for close the opening that allows disassembly of the hatch for cleaning the cast iron exchanger. The closure improves the heat exchange of the rear ventilation.



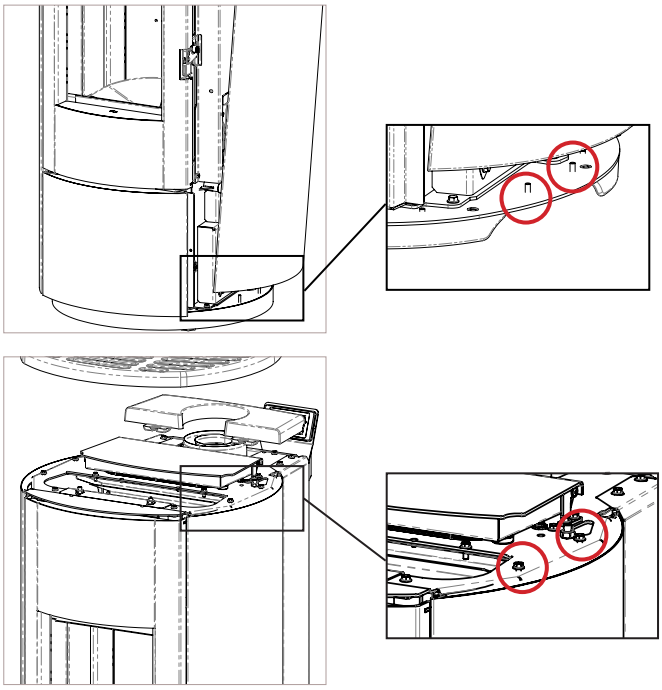
Make the electrical connection of the fan using the CANAL appendix, already present in the original wiring of the product. Live and Neutral can be inverted, unlike the earth connection (yellow / green colored cable) which must be connected to the earth of the fan.
Reassemble the product and, once powered, go to USER SETUP> SETTINGS> CANALIZATION and choose the setting SINGLE to take advantage of canalization (see menu dedicated to canalization infollowing pages of the manual).

3.10 COVER STEEL ASSEMBLY

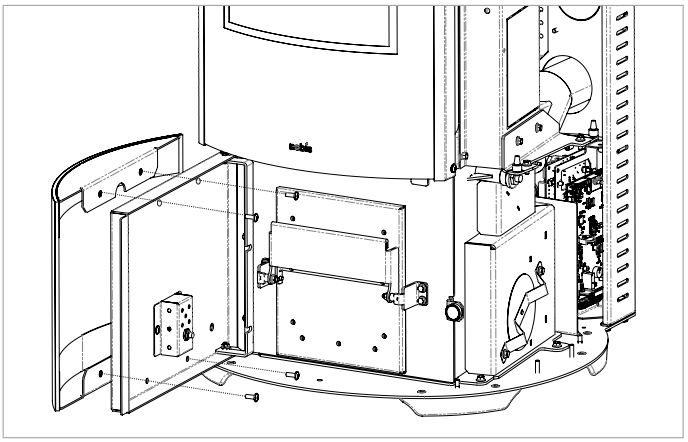
Remove the cast iron cover of the product.



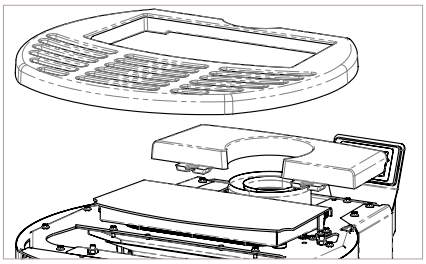
SIDE PANEL ASSEMBLY
Remove the right-hand side panel from its packaging and position the plate, with the centring holes, in the pins on the base of the product. Bring the plate to a vertical position and fasten its upper part with the screws, previously removed, taking care to ensure linearity with the product door.



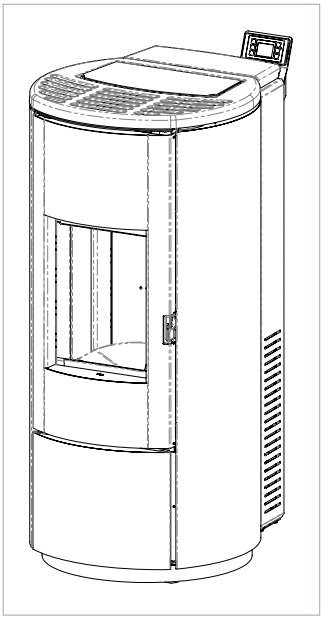
LOWER FRONT PANEL ASSEMBLY
Open the door concealing the ash drawer and take the lower front panel and 4 screws (M5x12) from the packaging.
Place the panel on the outer side of the door (holding it with your hand) and, using the through holes on the door, use the 4 screws to secure the panel.



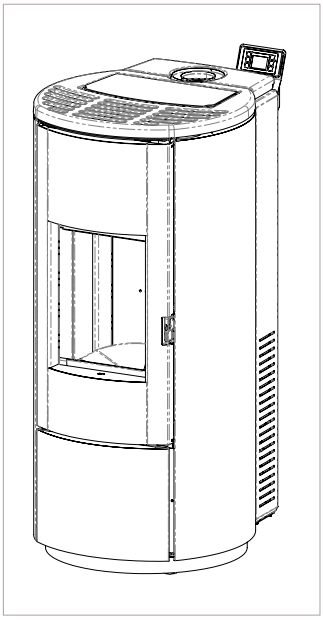
When finished, reposition the cast iron top.



ROUND STEEL



ROUND STEEL TOP/COAX



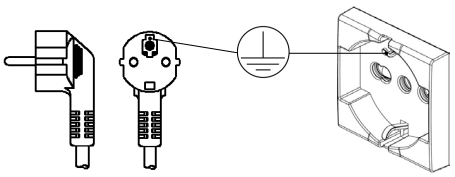
3.12 ELECTRICAL CONNECTION

The product power supply cable must only be connected after concluding installation and assembly of the product, it must not be in contact with hot parts and must remain accessible after installation. To carry out electrical connection, proceed as described below:

- connect the power supply cable on the back of the appliance;
- connect the cable plug to the current socket on the wall.

You can connect an outer thermostat with timer to the appliance for its regulation or to switch on and off. For connection and management of the "outer thermostat" function, refer to the specific chapter in the following pages of this manual.

It is compulsory for the system to be grounded and have a differential switch in compliance with legislation in force. Furthermore, ensure the socket is compatible with the type of plug on the power cable used.



4 MAINTENANCE

The maintenance operations, excluding routine cleaning (explained in the relevant paragraph), must be carried out by authorised, technical staff. Remember, before carrying out any maintenance operation, implement the following precautions:

- all parts of the product must be "cold";
- ensure there is no form whatsoever of combustion (for example ash still hot);
- use of safety devices as per the directive;
- remove the plug from the electrical socket;
- having terminated maintenance, reset the product paying attention to re-activate all the safety devices.

4.1 SMOKE SYSTEM MAINTENANCE

The chimney flue must always be cleaned, since deposits of soot or fuel residue reduce the section blocking its draught, compromising good operation of the product and, if in large quantities, can catch fire. It is compulsory to have a qualified chimney sweep clean and check the chimney flue and the stack at least once a year or after prolonged stoppage due to non-use of the appliance. At the end of the control/maintenance, ask for a report to be issued stating the system is safe. Lack of cleaning prejudices safety of the system.

4.2 PRODUCT MAINTENANCE

Carry out at least once a year or on each "Service Hours" signalling (signal that appears on screen when the working hours have been exceeded, over which excellent product operation is not guaranteed). In this phase, the authorised technician should:

- completely and accurately clean the smoke pipes;
- check the sealing status of all the gaskets;
- remove broken pellet residue inside the pellet tank;
- re-assemble all parts of the appliance;
- check correct operation and good quality combustion

5 TECHNICAL DATA OF THE PRODUCT

This chapter issues to the end user all the information relating to the technical data of the product, the dimensions, the installation measurements, the minimum distance to comply with from walls and furniture, sofas, etc.

5.1 PRODUCT DATA SHEET

PRODUCT DATA SHEET		
EU 2015/1186		
Brand	**Nobis**	
Model	**A8V - A8C**	**A10V - A10C**
Energy efficiency class	**A++**	**A++**
Direct thermal power (Kw)	**7.8**	**9.5**
Indirect thermal power (Kw)	**-**	**-**
Energy efficiency index	**131**	**130**
Useful efficiency (Nominal power %)	**92.1**	**90.9**
Useful efficiency (Reduced power %)	**93.2**	**93.2**
Comply with the warnings and instructions for installation and periodic maintenance of the instructions manual.		

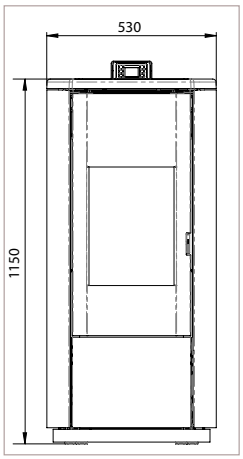
5.2 TECHNICAL FEATURES

Model	A8V - A8C ROUND		A10V - A10C ROUND	
	Reduced	Nominal	Reduced	Nominal
Weight of appliance (kg)	163		163	
Ø air inlet (mm)	60		60	
Ø smoke outlet pipe (mm)	80		80	
Vol. max. heating* (m^3)	192		233	
Power introduced *(kW)*	4.1	8.5	4.1	10.4
Yield introduced *(kW)*	3.8	7.8	3.8	9.5
Yield *(%)*	93.2	92.1	93.2	90.9
CO 13% O_2 *(mg/m^3)*	75	11	75	8
Tank capacity (kg)	19		19	
Pellet hourly consumption *(kg/h)*	0.86	1.76	0.86	2.16
Autonomy *(h)*	22.1	10.8	22.1	8.8
Absorbed electrical power (W)	315		315	
Electrical power supply (V-Hz)	230-50		230-50	
Discharge gas flow *(g/s)*	4.3	5.8	4.3	7.1
Minimum draught *(Pa)*	9	10	9	11
Smoke temperature *(°C)*	101	148	101	168

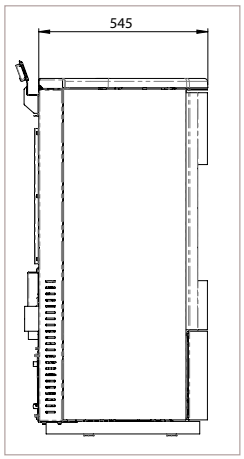
* this value can vary based on the type of energy class of the home and the type of pellet used.

The data outlined are approximate and non-binding and can vary based on the type of pellet used. The manufacturer reserves the right to make changes for the purpose of improving product performance.

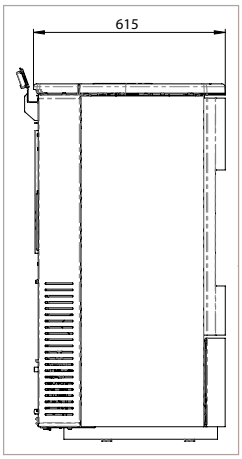
5.3 DIMENSIONS



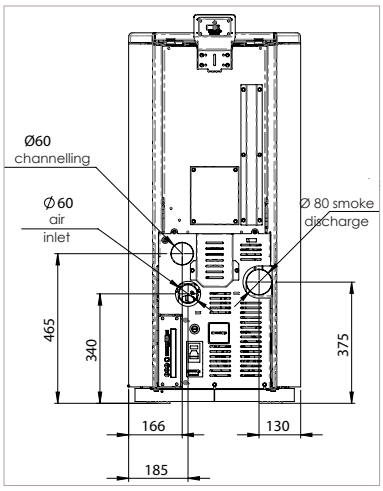
FRONT VIEW



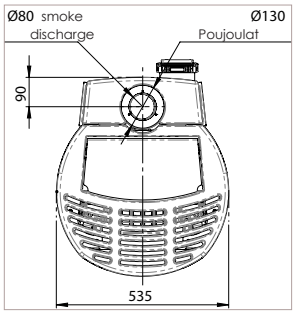
ROUND



ROUND TOP/COAX

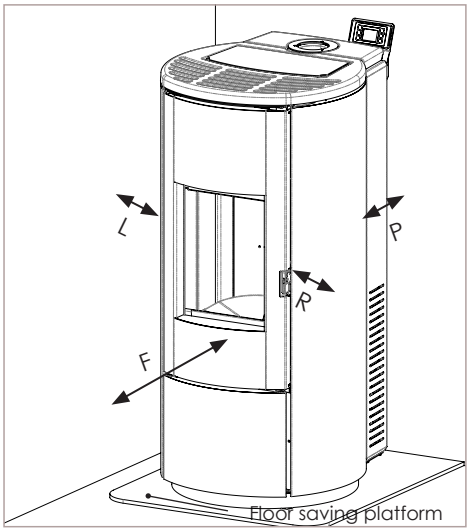


ROUND



ROUND TOP/COAX

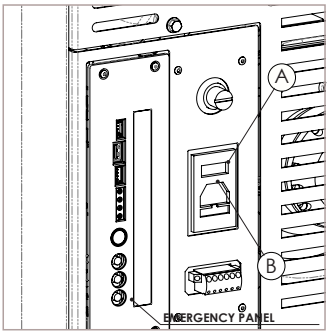
5.4 SAFE DISTANCES



Minimum distance from flammable materials		
R	Right hand side	150 mm
L	Left hand side	150 mm
P	Rear	100 mm
F	Front	800 mm

6 USER INTERFACE DESCRIPTION

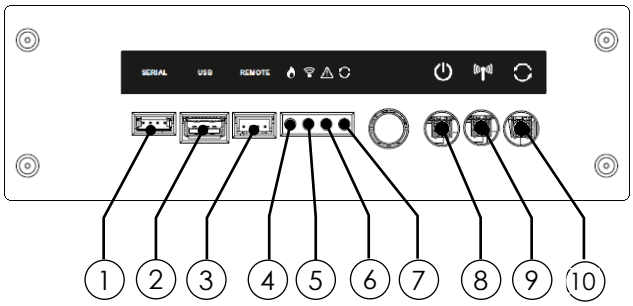
Once all the installation, covering assembly (where present as a kit) and electrical connection are in place, with utmost attention, access the rear part of the product to power it.



The "I/O" Ⓐ switch in the figure above must be positioned on "I". In the event of a power failure, check the condition of the fuse placed under the switch Ⓑ (4A fuse *EU configuration*). During periods of non-use, you are advised to disconnect the cable powering the appliance, and also the batteries from the handheld device.

6.1 DESCRIPTION OF RECEIVER

The appliance is equipped with an emergency remote board, placed at the back of it, which allows basic management of the functions in the event the handheld device is faulty or not working properly.



1	Serial connection (use by authorised staff ONLY)
2	USB connection (use by authorised staff ONLY)
3	Emergency cable connection
4	GREEN LED - appliance working status
5	YELLOW LED - remote communication in progress
6	RED LED - alarm on
7	BLUE LED - System updating in progress
8	Appliance switch on/off button
9	Receiver handheld device remote combination button
10	Manual upgrade button (use by authorised staff ONLY)

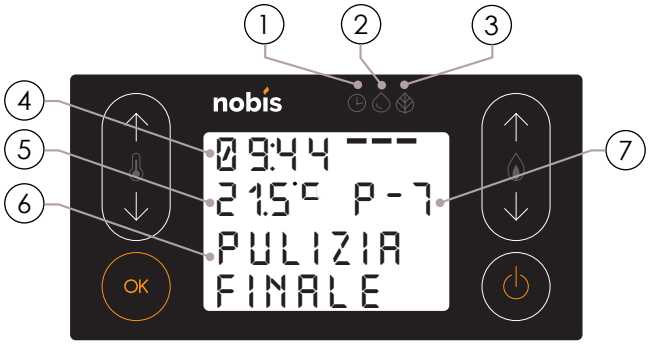
6.2 DESCRIPTION OF THE CONTROL KEYS

The screen looks like this:

1	Key to increase room temperature
2	Key to decrease room temperature
3	Confirmation key or menu access
4	Key to increase flame power
5	Key to decrease flame power
6	On/off or menu exit key
7	Screen

6.3 DISPLAY DESCRIPTION

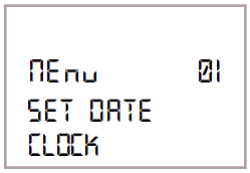
The screen looks like this:



1	Active CHRONOTHERMOSTAT LED
2	Active ANTI-CONDENSATION LED
3	Active PELLET-OPTIMIZATION LED
4	Clock
5	Room temperature
6	Stove status
7	Power settings

7 NAVIGATION MENU

To access the menu and display all entries available, press key (OK) on the stand-by screen, as shown in the figure below.



Scroll through the menu items with the left keys

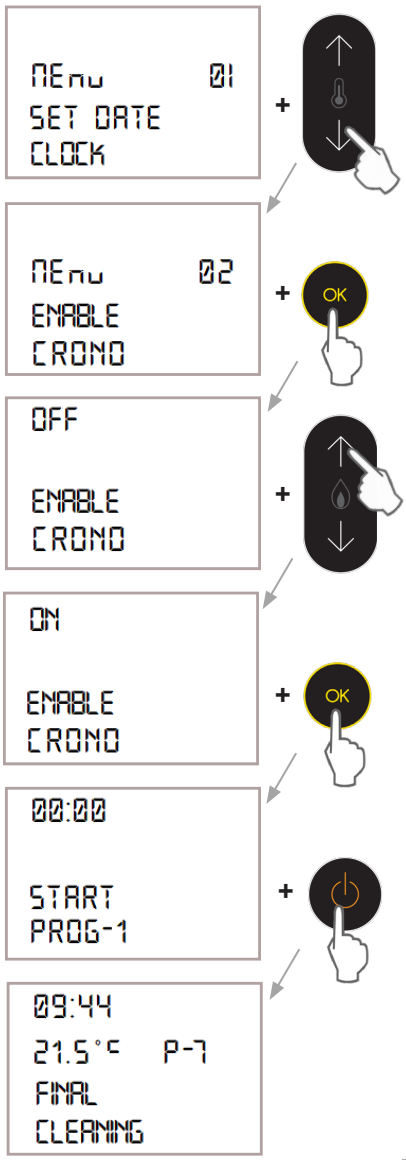
Confirm access to the menu by pressing (OK)

Change the values with the right keys

Confirm access to the menu by pressing (OK)

Press (⏻) to return to the main menu.

Below you can find a practical example follows of how to browse the menu using all the selection keys.



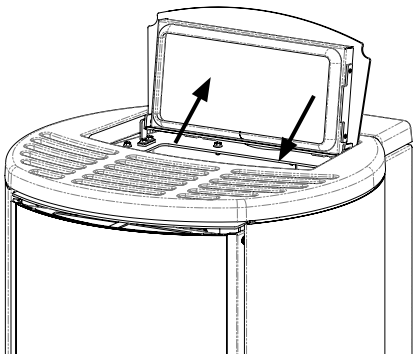
8 FIRST START-UP INSTRUCTIONS

This chapter highlights a series of operations to carry out during the first start-up phase of the appliance.

8.1 PELLET LOADING

Fuel is loaded by inserting pellets from the upper part of the product, opening the door. Ensure the content of the bag of pellets does not fall around the edges of the tank,
paying particular attention to centring,
during the loading phase. Also avoid the pellet packaging coming in contact with hot surfaces.

Ensure you correctly close the cover of the tank again after loading the pellets. Closure is controlled by an electronic contact (for the models where planned). In the event of non-closure, a sign warns the user to pay attention
to tightening, before passing to alarm mode, in the event the warning is ignored.



8.2 MENU 01 - HOUR-DATE SETTINGS

Below you can find the procedure to set date and time on the models of the manufacturer's range, useful for the timer thermostat.

OPERATIONAL PROCEDURE:

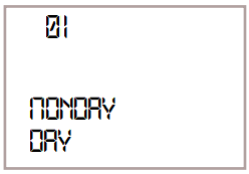
MENU 01 HOUR-DATE SETTINGS

Access the menus by pressing (OK)

The first menu item is DATE-TIME.

Access the menu by pressing (OK)

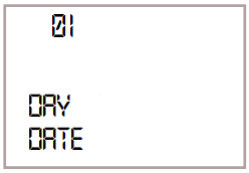
The screen to adjust time and date will appear, as shown in the figure below.



Change values by pressing (↑)(💧)(↓)

To confirm your change, press (OK)

Repeat the operation to modify the calendar.



Change the value by pressing (↑)(💧)(↓)

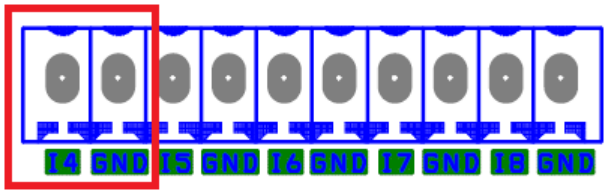
Conferm your change by pressing (OK)

By confirming the last data, you can proceed to menu 01

Press (⏻) several times to return to the STAND-BY screen.

8.3 MENU 10 - ROOM TEMPERATURE PROBE

The following paragraph specifies the types of sensors which can be used to measure room temperature.
There are 3 options:
- RADIO sensor: room temperature is detected by the remote control, which acts as an external thermostat;
- T. EXT.: you can use an external thermostat that is not manufactured by Nobis;
- Type ROOM PROBE: the room temperature sensor supplied with the display can be installed on the electronic card.



Connect the room sensor directly to the electronic card by fixing the terminals (regardless of the direction) to the green connector at I4 and GND.

This operation should only be carried out by a qualified Nobis technician.

OPERATIONAL PROCEDURE:

MENU 10 >> ROOM PROBE

Access the menus by pressing (OK)

Scroll through the items up to the specific menu using the (↑)(🌡)(↓) keys

Once on ROOM PROBE, press (OK)

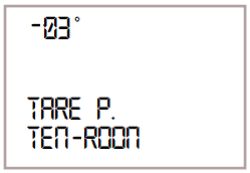
By accessing this menu, it is possible to set the type of probe among those described above.

Select the command and confirm with (OK)

Press (⏻) several times to return to the STAND-BY screen.

If the selected option requires the use of the room temperature probe, it is possible to calibrate it by confirming the parameter.

The screen with the room probe settings will then appear, as shown in the figure below.



Change the value with the keys (↑)(💧)(↓)

Example: The reference thermostat shows 21°C and the display shows 19°C.
Set +2 to display 21°C on the screen.

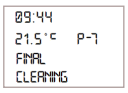
Confirm your change by pressing (OK)

Press (⏻) several times to return to the STAND-BY screen.

8.4 MENU 04 - AUTO FUNCTION

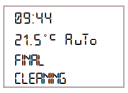
The logic, relating to this type of management, is as follows:

USER:



the user reserves the right to set the desired room temperature and the fireplace power needed to reach this temperature.

AUTO: the user simply sets the desired room temperature and the appliance will manages both fireplace power and ventilation (if applicable) autonomously.



In case the value differs from the one detected by a reference thermostat, follow the procedure below to calibrate the room temperature probe.

OPERATIONAL PROCEDURE:

MENU 04 >> AUTO FUNCTION

Access the menus by pressing (OK)

Scroll through the items up to the specific menu using the (↑)(🌡)(↓) keys

Select AUTO FUNCTION and press (OK)

Activate/Deactivate the function with the keys (↑)(🔥)(↓)

Confirm the changed data by pressing (OK)

Press (⏻) several times to return to the STAND-BY screen.

8.5 ROOM-TEMPERATURE SETTINGS

Room temperature defines the temperature you want to obtain in the premises where the product is installed.

From the STAND-BY screen, press (↑)(🌡)(↓) to change room temperature.

Temperature values range from 7°C to MAN (when MAN function is set, it means that the appliance NEVER enters into power saving mode).

Confirm the new setting with the key (OK) or wait 3 seconds to auto-confirm.

8.6 POWER SETTINGS

The fireplace power defines the quantity of heat produced by the appliance. This implies different fuel consumption. Basically, it is used to speed up the time needed to reach the temperature which has been set for the premises where the product is installed.

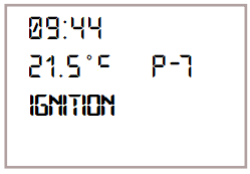
From the STAND-BY screen, press (↑)(🔥)(↓) to modify the operating power.

Values range from 1 to 7;

Confirm the new settings by pressing key (OK) or wait 3 seconds for auto-confirm.

8.7 SWITCHING ON/OFF THE PRODUCT

To switch the product on, keep pressed key (⏻) until the screen below, followed by an acoustic signal, appears.

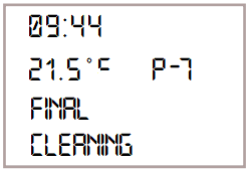


SWITCH ON • Initial phase of pellet loading;

This screen will be followed by:

WAIT FLAME • Waiting for the flame to develop;
FLAME PHASE • Flame stabilization phase and combustion reduction inside the brazier;

In order to switch off the product, as well as reset alarms, keep pressed key (⏻). An acoustic signal will follow.



(i) On models equipped with automatic cleaner, a brazier cleaning phase will be activated before entering into SWITCH ON mode.
In the event of an IGNITION FAILURE after pressing (⏻), a POP UP will signal the need to suck the pellet from the brazier before turning the appliance back on, thus avoiding discharge of unburned pellets into the ash drawer.

Always vacuum the brazier using an ash cleaner. FIRE HAZARD.

During the first activation of the product, unpleasant odours - or smoke caused by evaporation or drying of certain materials used - may occur. This phenomena will disappear after some hours of use. During this period, it is recommended to keep the premises well ventilated.

When the stove is running and - above all - during the heating and cooling phases, ticking noises may be heard. These are due to thermal expansion/contraction of the materials due to changes in temperature throughout operation.

9 OPERATION

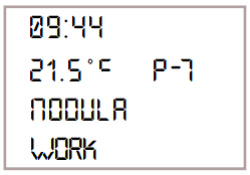
Products in the range include 7 different power levels. Below you can find a description of how the appliance will work once the desired room temperature - if set - is reached.

9.1 SAVING MODE

While operating, the appliance works to reach the desired room temperature; when this condition is met, power is reduced and the product enters into SAVING mode, a phase in which fuel consumption is kept minimal.

At this point, a clarification about the advantage of using the AUTO function is made necessary: to switch to power saving mode and/or return to normal operation, the stove gradually increases the combustion power as soon as room temperature drops below the set value (optimization of combustion).

The screen in SAVING mode will appear as follows:



9.2 COMFORT CLIMA FUNCTION

As described in the "saving mode" paragraph, the appliance has the objective of satisfying the thermal comfort required by the user.

When COMFORT CLIMA (function included in SAVING MODE) is active, it also ensures - if the house has a good energy class - a saving of fuel by means of intelligent switch on/off system (upon setting/achievement of the desired temperature). Below you can find the procedure to activate this function and a thorough description of all those values which can be set, along with a practical example.

OPERATIONAL PROCEDURE:

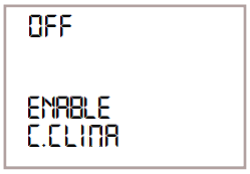
MENU 03 >> COMFORT CLIMA

Access the menus by pressing OK

Scroll through the items up to the specific menu using the ↑ ↓ keys

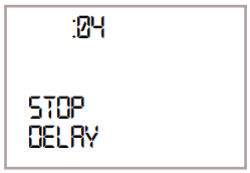
Once on COMFORT CLIMA, press OK

The function screen with all setting parameters to be activated and adjusted will appear as in the figure below.



Activate/Deactivate the function with the keys ↑ ↓

To confirm your change, press OK



By using the ↑ ↓ keys, set the time during which the product must remain in power saving mode before turning off automatically.

To confirm your change, press OK

Using the ↑ ↓ keys, select the value below the chosen room temperature at which the product should restart.

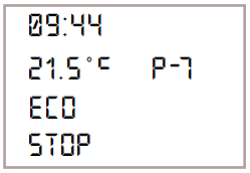
To confirm your change, press OK

Press ⏻ several times to return to the STAND-BY screen.

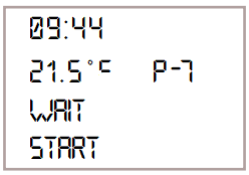
STATUS SCREEN.
To recognize when the appliance is about to switch off in COMFORT CLIMA mode, the following screen (1) must be displayed

To recognize when the appliance is about to switch on in COMFORT CLIMA mode, the following screen (2) must be displayed

(1)



(2)



PRACTICAL EXAMPLE:
Room temperature set at 21°C;
Saving mode set at 3 minutes;
Restart temperature set at 2°C less than set temperature.
The appliance switches off as soon as room temperature reaches the set value + 3 minutes in saving mode.
The product switches on when a temperature of 18°C (21°C - 2°C - 0.5°C tolerance) is detected.
You can also activate this function using an external thermostat, taking into consideration that this does not include hysteresis values.

It is recommended to use an external thermostat with its own hysteresis value that can be set up to a maximum of 3 °C. The appliance could start the on and off phase several times during the day; this could compromise the duration of the ignition resistance.

10 DESCRIPTION OF THE MENU FUNCTIONS

This chapter describes the functions of the user's menu, useful to improve some comfort-related aspects of the user and/or product's operation.

10.1 MENU 02 - TIMER SETTINGS

With the thermostat timer, you will be able to:
set automatic switch on/off of the product for each day of the week, with 4 independent time intervals available (PROGRAMS 1 - 2 - 3 - 4).
To enable this function, please follow the procedure shown below, starting from the STAND-BY screen.

OPERATIONAL PROCEDURE:

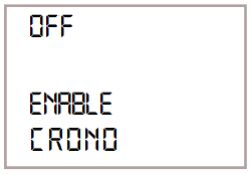
MENU 02 >> TIMER

Access the menus by pressing OK

Scroll through the items up to the specific menu by pressing ↑ ↓

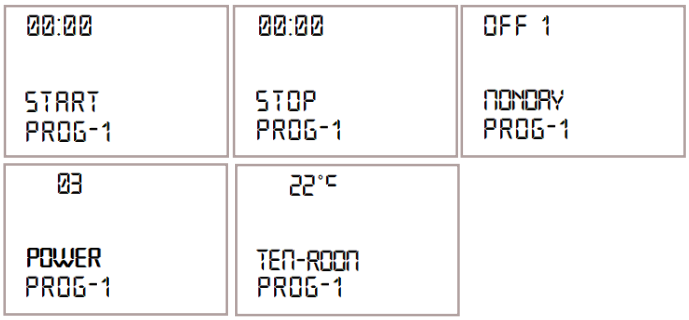
Once on TIMER, press OK

When accessing the menu, the screen to activate all the configured timers will appear as shown in the following figure.



Activate/Deactivate the function with the keys ↑ ↓

To confirm your change, press OK



The following screens show what can be set for each timer, once activated, e.g., on and off times, the days of the week, etc. Change the data by pressing ↑ ↓ .

Confirm each change with OK key to access the combustion power and temperature settings.

Press ⏻ several times to return to the STAND-BY screen.

10.2 MENU 07 - AUGER LOADING FUNCTION

This function is necessary to facilitate the switch-on phase of the appliance after accurate cleaning of the hopper (pellet container) has been carried out - to remove sawdust accumulated on the base over time. For further reference, please see chapter "Routine maintenance of the product".
Also, check you have placed pellets in the tank and that the appliance is in "OFF" or "FINAL CLEANING" status before starting this function.

The number, expressed in seconds, indicates the auger rotation time during loading phase.
After this, the auger stops automatically and the appliance can switch on.

OPERATIONAL PROCEDURE:

MENU 07 >> AUGER LOADING

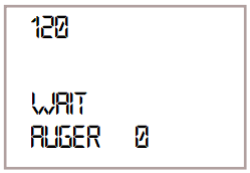
Access the menus by pressing OK

Scroll through the items up to the specific menu by pressing ↑ ↓

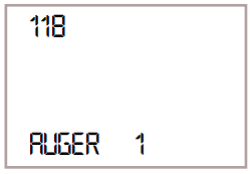
Once on AUGER LOADING, press OK

To begin with, the cleaner activates (1) (for models equipped with automatic cleaning) and, after that, pellet loading auger will be enabled (2) . A countdown screen will inform you about the time needed to the auger to load pellets.

(1)



(2)



Once loading has been carried out, the appliance will go back to the SETTINGS screen.

After the initial loading phase, a POPUP informing to suck pellets from the brazier will appear. This operation does not allow to empty the ash drawer when, during the switch-on process, the plate gets overturned.

Always vacuum the brazier using an ash cleaner. FIRE HAZARD.

10.3 MENU 06 - PELLET/AIR-INTAKE RATIO

The PELLET/AIR-INTAKE RATIO setting allows you to adjust, with immediate effect, the quantity of pellets loaded in the brazier and the amount of air intake (product tested and inspected with DIN PLUS certified pellets). In case other pellets or uncertified pellets are in use, combustion may need to be adjusted. Normally, the change is carried out on the percentage of AIR-INTAKE to improve combustion; if adjusting oxygen does not result in efficient combustion, you may also need to change the percentage of PELLETS falling into the brazier.

OPERATIONAL PROCEDURE:

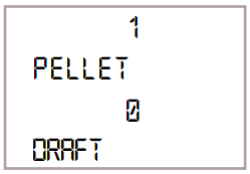
MENU 06 >> P/A RATIO

Access the menus by pressing OK

Scroll through the items up to the specific menu by pressing ↑ ↓

Once on P/A RATIO, press OK

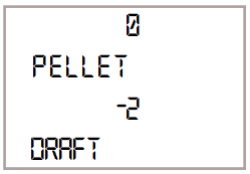
When accessing the menu, the screen will appear as in the figure below.



Change pellet settings by pressing ↑ ↓

Values range from -5: % of reduction in pellet loading
to +5: % of increase in pellet loading

Confirm by pressing OK and go to the aspiration settings



Edit air intake quantity by pressing ↑ ↓

Values range from -5: % of reduction in pellet loading
to +5: % of increase in pellet loading

Confirm by pressing OK and quit the settings section to go back to the function menu.

In the example above, a percentage of -2 for PELLET and +3 for AIR INTAKE was set;
such kind of setting is needed when combustion is lacking oxygen and pellets are small in size if compared to the average 2cm pellets.

The number indicated for editing settings refers to a change in percentage affecting default parameters as set in the electronic board. This only has an effect during operation. These values must be changed in the event of bad combustion, which in many cases is due to a use of pellets other than the ones used for testing the appliance.

Press ⏻ several times to return to the STAND-BY screen.

10.4 MENU 12 - STOVE STATUS

This function allows you to verify that the most important parameters are working properly on the appliance. Below you can find the two screens outlining the list of actual data of the product, useful to the support service during control interventions.

OPERATIONAL PROCEDURE:

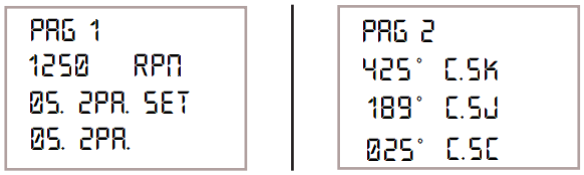
MENU 12 >> STOVE STATUS

Access the menus by pressing OK

Scroll through the items up to the specific menu by pressing ↑ ↓

Once on STOVE STATUS, press OK

When accessing the menu, the screen will appear as in the figure below.



Use ↑ ↓ to move from screen 1 to screen 2.

Press ⏻ several times to return to the STAND-BY screen.

10.5 MENU 08 - LANGUAGE SETTINGS

Depending on the country of destination or the end user, this function includes a series of languages among which to choose. The procedure to choose the desired language is described below.

OPERATIONAL PROCEDURE:

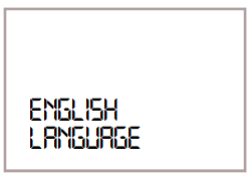
MENU 08 >> LANGUAGE

Access the menus by pressing OK

Scroll through the items up to the specific menu by pressing ↑ ↓

Press OK on LANGUAGE

When accessing the menu, the screen will appear as in the figure below.



Choose language by pressing ↑ ↓ and confirm with OK

Press ⏻ several times to return to the STAND-BY screen.

10.6 MENU 09 - FIRMWARE VERSION

To view the version of the firmware installed for the appliance model supplied, follow the procedure in this paragraph. This function is useful for the support centre to control availability of new updates to be installed, if necessary.

OPERATIONAL PROCEDURE:

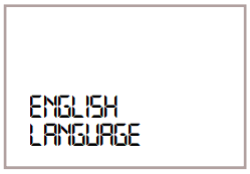
MENU 09 >> FIRMWARE VERSION

Access the menus by pressing OK

Scroll through the items up to the specific menu by pressing ↑ ↓

Press OK on FIRMWARE VERSION

When accessing the menu, the screen will appear as in the figure below.



Press ⏻ several times to return to the STAND-BY screen.

10.7 MENU 05 - ANTICONDENSATION

This function ensures that the exhaust fumes temperature remains higher than condensate temperature.

This function will result in a slight increase of pellet consumption to remedy this condition.
Causes of condensation can be related to installation and, above all, to the yield of the pellets and its size.

OPERATIONAL PROCEDURE:

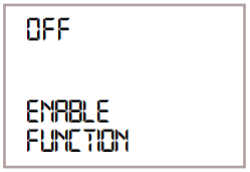
MENU 05 >> ANTICONDENSATION

Access the menus by pressing OK

Scroll through the items up to the specific function by pressing ↑ ↓

Press OK on ANTI-CONDENSATION.

When accessing the menu, the screen will appear as in the figure below.



Activate/Deactivate the function with ↑ ♦ ↓ and confirm by pressing OK

Press ⏻ several times to return to the STAND-BY screen.

10.8 MENU 00 - ADJUST VENTILATION (if equipped)

The products in the range equipped with optional ventilation take advantage of the natural convection system, which guarantees a considerable contribution of heat to the environment in total absence of noise. However, by accessing the menu shown below, you can also activate and adjust an optional ventilation device.

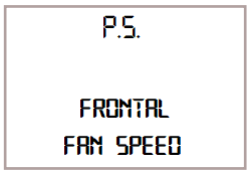
OPERATIONAL PROCEDURE:

MENU 00 >> ADJUST VENTILATION

Access the menu by pressing OK

Scroll through the items up to the specific menu by pressing ↑ 🌡 ↓

Press OK on VENTILATION



Change fan power with the keys ↑ ♦ ↓
0 - fan disabled;
1-7 - ventilation adjustment range;
PS - ventilation follows the combustion power set on the device.

If the PS function is not configured, the fan will always remain independent of the power of the product.

Confirm by pressing OK

Press ← several times to return to the STAND-BY screen.

11 CANALIZATION (if equipped)

The products in the range equipped with a canalization system can have single or double canalization. It is possible to disable the canalization, adjust it manually or activate a self-management system, depending on the temperature you want to obtain in the room where the canalization is installed.

11.1 SINGLE CANALIZATION SETTINGS

This section will explain how to both enable/disable and set manually the ventilation speed assigned to canalization.
Furthermore, the possibility to enable canalization by automatic management (linked to setting of the room temperature you want to obtain) will also be explained.

OPERATIONAL PROCEDURE:

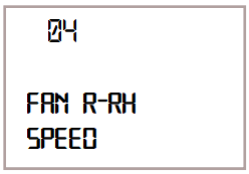
MENU 00 >> CANALIZATION SETTINGS

Access the menu by pressing OK

Scroll through the items up to the specific by pressing ↑ 🌡 ↓

Select CANALIZATION and press OK

When accessing the menu, the screen with the canalization settings will appear as shown in the figure below.



This screen will allows you to change the canalization speed by pressing ↑ ♦ ↓
0 - fan disabled;
1-7 - ventilation adjustment range;
PS - ventilation follows the combustion power set on the device.

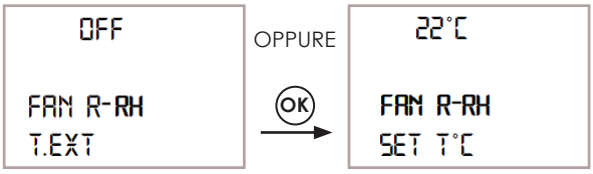
If the PS function is not configured, the fan will always remain independent of the power of the product.

Press OK to confirm and continue with the other settings.

There is the possibility of activating the fan modulation (in "canalization"), once the set value has been reached;

Activate/Deactivate the function with ↑ ♦ ↓ and confirm by pressing OK

If you want to manage the temperature of the room to be channeled after activating the function described above, you will have to decide whether you prefer to manage it with the probe supplied or by means of an external thermostat.



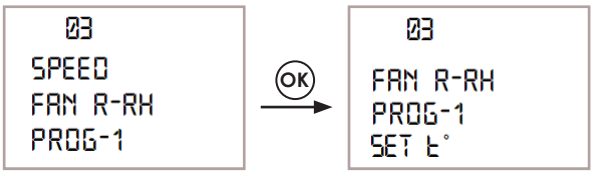
Press ↑ 💧 ↓ o tick/ untick the temperature management option for the zone to be channeled by means of an external thermostat (not supplied). Press OK to confirm.

Press ↑ 💧 ↓ to adjust the temperature of the area to be channeled using an optional room temperature probe, supplied by Nobis s.r.l. upon request (not supplied as standard).

If the "channeled" temperature management option with external thermostat is activated, it will not be possible to change the temperature (in this case the operation can be performed on the external thermostat only).

11.2 CANALIZATION TIMER SETTINGS

In the TIMER SETTINGS menu, for models equipped with canalization, you can set the canalization power (ventilation speed) and the temperature you want to obtain in the room where the ventilation outlet is installed. Having set all the values related to the programmed switch-on of the appliance, the following screen will appear.



Press ↑ 💧 ↓ to adjust the canalization speed. Press OK to confirm.

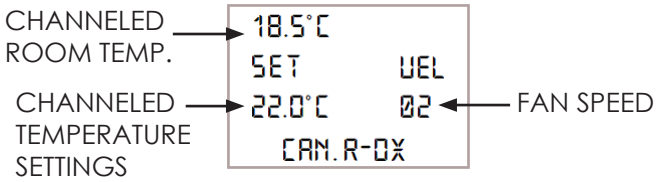
Press ↑ 💧 ↓ to adjust the temperature of the area to be channeled. Press OK to confirm.

Press ⏻ several times to return to the STAND-BY screen.

Once in the canalization menu, you can manage room temperature only if the TEMPERATURE CONTROL function, seen above, is activated.

11.3 DISPLAY CANALIZATION STATUS

To view the status of the channeling, from the STAND BY screen, press ↑ 🌡 ↓ simultaneously
A screen will appear as illustrated below:



The shortcut to view the canalization status will also allow you to:

- manage room temperature by pressing ↑ 🌡 ↓
- change fan speed by pressing ↑ 💧 ↓

Press OK to confirm your choice and return to the STAND BY screen.

11.4 DOUBLE CANALIZATION SETTINGS

This paragraph explains how to enable/disable and set in manual operation for ventilation speed assigned to canalization.
Moreover, it is explained how to enable double canalization automatic management, which is linked to room temperature settings.

OPERATIONAL PROCEDURE:

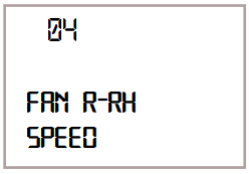
MENU 00 >> CANALIZATION SETTINGS

Access the menu by pressing OK

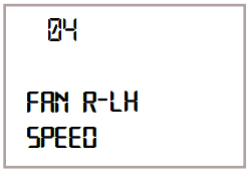
Scroll through the items up to the specific menu by pressing ↑ 🌡 ↓

On CANALIZATION SETTINGS, press OK

When accessing the menu, the screen with the canalization settings will appear as shown in the following figure.



This screen will allow you to change the speed of the right channel by pressing ↑ 💧 ↓
0 - fan disabled;
1-7 - ventilation adjustment range;
PS - ventilation follows the combustion power set on the device.
Press OK to confirm and move on to the left channel settings.

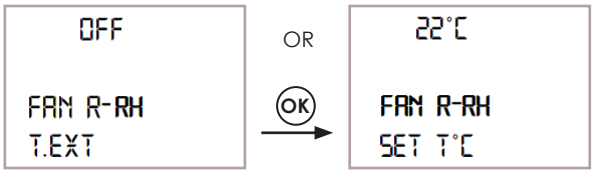


If the PS function is not configured, the fan will always remain independent of the power of the product.

Confirm your change by pressing (OK) and proceed to the next setting.
Once the set value has been reached, there is the possibility of activating the ventilation modulation (in "canalization");

Activate/Deactivate the function with (↑)(💧)(↓) and confirm with (OK)

If you want to manage the temperature of the room to be channeled, after activating the function described above, you will have to decide whether you want to manage it with the probe supplied or by means of an external thermostat.



Press (↑)(💧)(↓) to tick/untick it if you want to manage the temperature of the zone to be canalized by en external thermostat. (not supplied). Press (OK) to confirm.

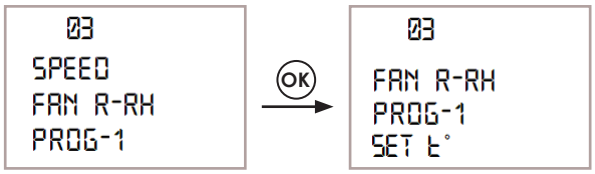
Press (↑)(💧)(↓) to set the temperature of the zone to be canalized by means of an optional room probe, provided by Nobis s.r.l. upon request (not supplied as standard)

After confirming settings for RIGHT canalization, press (OK) and then repeat the same procedure for LEFT canalization.

If "canalization" temperature management by external thermostat is enabled, it is not possible to change the temperature settings using the remote control, but rather using the external thermostat.

11.5 CANALIZATION TIMER SETTINGS

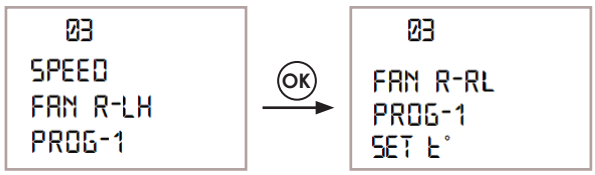
In the THERMOSTAT TIMER menu, for models equipped with canalization, you can set the canalization power (ventilation speed) and the temperature you want to obtain in the room where the ventilation outlets are installed. Once all the values related to the programmed switch-on of the appliance are set, the following screen will appear.



Press (↑)(💧)(↓) to adjust the right channel speed. Press (OK) to confirm your change.

Press (↑)(💧)(↓) to adjust the temperature of the area to channel. Press (OK) to confirm your choice.

Press (OK) to confirm and proceed to the left channel settings.



Press (↑)(💧)(↓) to adjust the chanalization speed. Press (OK) to confirm your change.

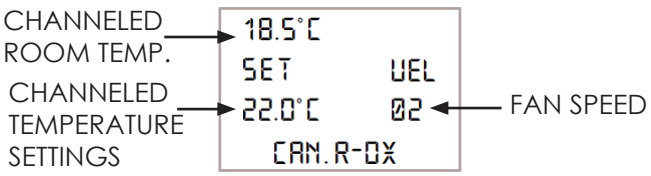
Press (↑)(💧)(↓) to adjust the temperature of the area to channel. Press (OK) to confirm your choice.

Press (⏻) several times to return to the STAND-BY screen.

Once in the canalization menu, you can manage room temperature only if the TEMPERATURE CONTROL function, seen above, is activated.

11.6 DISPLAYING CANALIZATION STATUS

To display the canalization status, from the STAND-BY screen, press (↑)(🌡)(↓) simultaneously. The display screen will appear as follows:



The shortcut to the canalization status will also allow you to:

- manage room temperature by pressing (↑)(🌡)(↓)
- change the fan speed by pressing (↑)(💧)(↓)

Press (OK) to confirm and display the status of the left channeling:

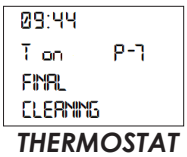
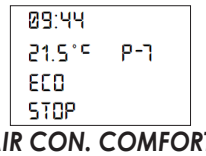
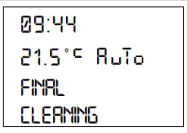
- manage room temperature by pressing (↑)(🌡)(↓)
- change fan speed by pressing (↑)(💧)(↓)

Press (OK) to confirm and return to the STAND BY screen.

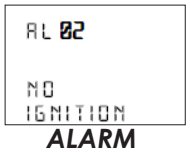
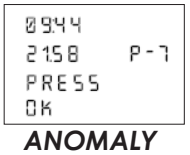
12 PHASES CONCISE DIAGRAM

PHASE	DESCRIPTION
SWITCH ON ***WAITING FLAME*** ***FLAME PHASE***	- The phase starts to pre-heat the re sistor and the pellet starts to fall in the brazier. - The pellet switches on by taking ad vantage of the heat in the inlet air which passes by the duct of the incandescent resistor. - Pellet loading restarts and the flame develops.
WORK	The appliance has terminated the switch on phase and goes to the working power set.
SAVING	The desired ambient temperature is reached.
BRAZIER CLEANING	The cleaning phase is enabled of the brazier without movement of the cleaner (periodic function).
CLEANER ENABLED	The brazier cleaning phase is running with the cleaner enabled. The appliance switches off and switches back on autonomously.
RESTART	Switch on is required after a cooling phase. Having reached this condition, the appliance automatically starts.
FINAL CLEANING	The appliance is in the switch off phase and the cooling phase has not yet terminated.
OFF	The appliance is OFF and all the motors are disabled.

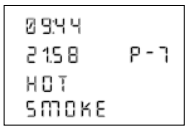
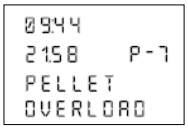
13 FUNCTIONS CONCISE DIAGRAM

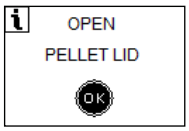
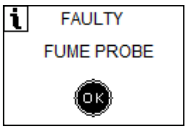
PHASE	DESCRIPTION
 ***MAN WORK***	Ambient setting in MAN therefore the appliance only works with the power to the fireplace set (never going to saving)
 ***THERMOSTAT***	Management was chosen of the ambient temperature using an external thermostat (not supplied by the manufacturer)
 ***AIR CON. COMFORT***	With the AIR CON. COMFORT enabled, the product automatically switches off on reaching the ambient setting set (see relative paragraph).
 ***AUTO***	The appliance automatically manages the power to the fireplace and ventilation (where present and enabled) to guarantee better comfort (see specific paragraph).

14 SIGNALS CONCISE DIAGRAM

PHASE	DESCRIPTION
 ***ALARM***	The appliance is in the alarm status, consult the "ALARMS" chapter to check the type.
 ***ANOMALY***	The appliance signals an anomaly, without causing it to switch off. See "ANOMALIES CONCISE DIAGRAM".
 ***SERVICE HOURS***	The threshold for the working hours set has been reached. You are advised to request extraordinary maintenance of the appliance by authorised staff.

15 ANOMALIES CONCISE DIAGRAM

PHASE	DESCRIPTION
S.PRESSURE FAULT	The appliance signals a malfunction of the sensor controlling correct combustion. For safety purposes, while waiting for the technician, the appliance is set to saving mode.
 ***HOT SMOKE***	The maximum smoke temperature threshold has been reached; the appliance for a period sets to saving mode with ventilation at maximum power to cool the body.
 ***EXCESS LOAD***	If the quantity of pellets is high for the power of the machine. In P/E mix, reduce the pellet load working on the % (see specific paragraph)
S.FLAME FAULT	The appliance signals a malfunction of the probe detecting the flame. For safety purposes, while waiting for technical intervention, the appliance sets to saving mode.

PHASE	DESCRIPTION
	The anomaly is presented when the user opens the door or ash pan or pellet door; at this point, pellet loading inside the brazier stops and the electronics emit an acoustic signal. The user, to return to correct operation, must close the doors. If this operation is not carried out, the product signals an alarm.
	
	Anomaly of the probe controlling the temperature of the discharge smoke, contact the authorised technician to solve the fault.

The anomalies, differing from alarms, are signals which automatically reset, once the cause that generated them has been eliminated. Furthermore, the signalling does not cause the appliance to switch off, guaranteeing however heating.

Some anomalies, to be resolved, need technical intervention by authorised staff. Despite the appliance continuing to work, the user must ensure the problem is resolved. **Negligence causes the product to malfunction**.

16 DESCRIPTION OF ALARMS

Each alarm condition causes the appliance to immediately switch off. Press the switch on key P3 to reset the alarm. Before switching back on the appliance, check signalling is resolved.

ALARM CODE	REASON
01 **BLACK OUT**	No power during the work phase
	SOLUTION
	Press the switch off key and repeat switch on of the appliance
	If the problem persists, contact the Support Service.

ALARM CODE	REASON
02 **NO SWITCH ON**	The pellet tank is empty.
	Calibration of the pellets and suction during the start-up phase inadequate.
	Ignition resistor faulty or out of position
	SOLUTION
	Check there are pellets in the tank. If necessary, load.
	If the problem persists, contact the Support Service

ALARM CODE	REASON
03 **PELLETS FINISHED**	The pellet tank is empty.
	The gearmotor is not loading pellets
	Lack of pellets loading
	SOLUTION
	Check there are pellets in the tank. If necessary, load
	Empty the tank to check that there are no objects inside it.
	Adjust, by increasing the load of pellets, from "P/E MIX"
	If the problem persists, contact the Support Service

ALARM CODE	REASON
04 **SMOKE TEMPERATURE**	Combustion in the brazier is not optimal as it is clogged or the inner passages of the appliance are clogged.
	The tangential fan (if present) is not working properly or is damaged.
	SOLUTION
	Switch the product off and back on again, activating the cleaner; adjust the combustion with the "P/E mix".
	If the problem persists, contact the Support Service

ALARM CODE	REASON
05 **EXTRACTOR ROTATIONS NOT RESPECTED**	The rotations of the smoke extractor show a loss of efficiency due to obstruction of the fan or a drop in voltage.
	SOLUTION
	If the problem persists, contact the Support Service

ALARM CODE	REASON
06 **FAULTY SMOKE EXTRACTOR**	No power supply to the smoke extractor
	The smoke extractor is blocked
	SOLUTION
	If the problem persists, contact the Support Service

ALARM CODE	REASON
07 **GEARMOTOR ROTATIONS NOT RESPECTED PELLET LOADING**	The rotations of the gearmotor present a loss of efficiency due to a drop in voltage.
	SOLUTION
	If the problem persists, contact the Support Service

ALARM CODE	REASON
08 **PELLET LOADING GEARMOTOR FAULT**	Gearmotor encoder not working or not connected correctly
	No power to gearmotor
	SOLUTION
	If the problem persists, contact the Support Service

ALARM CODE	REASON
09 **PELLET LOADING AUGER BLOCKED**	Possible foreign body or sawdust preventing correct movement.
	SOLUTION
	Empty the tank and check for foreign bodies.
	If the problem persists, contact the Support Service

ALARM CODE	REASON
10 **PELLET LOADING AUGER POWER SUPPLY DEFECT**	No power supply or power supplied by electronic control unit not correct
	SOLUTION
	If the problem persists, contact the Support Service

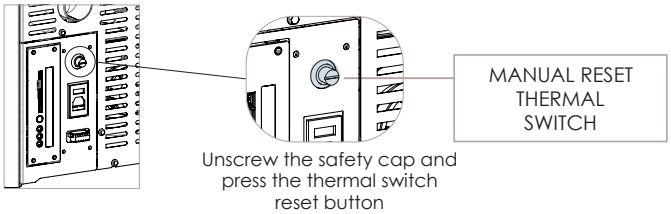
ALARM CODE	REASON
11 **MINIMUM PRESSURE PASCAL**	The sensor does not detect negative air pressure inbound of the appliance.
	SOLUTION
	Check the door and ash pan are closed correctly, check if the air intake tube is obstructed.
	If the problem persists, ccontact the Support Service.

ALARM CODE	REASON
12 **BRAZIER CLEANER FAULT**	The cleaner has not completed movement and is not found in the correct position or the fire door is not closed correctly.
	SOLUTION
	Check if the door is closed correctly, reset the alarm and wait for the product to go to OFF status. Disconnect and reconnected current, the system re-activates the cleaner, checking the correct position again.
	If the problem persists, contact the Support Service

ALARM CODE	REASON
13 **NEGATIVE PRESSURE IN CHIMNEY FLUE**	The chimney flue is blocked.
	The sensor reading the negative pressure is not working properly.
	SOLUTION
	Check the chimney flue is not blocked, contact a chimney sweep to clean it.
	If the problem persists, contact the Support Service

ALARM CODE	REASON
14 **THERMOSTAT MANUAL RESET**	You have to manually reset the thermostat connected to the hopper.
	Combustion in the brazier is not optimal as the brazier is clogged or the inner passages of the appliance are clogged.
	Ventilation, where present and active, may not be working properly.
	SOLUTION
	Reset the thermostat by pressing the button on the back of the appliance.
	Switch off the product, switch on the system again to activate the cleaner and adjust combustion with the P/E mix.
	If the problem persists, contact the Support Service.

MANUAL RESET THERMAL SWITCH POSITION



ALARM CODE	REASON
15 **FIRE DOOR/ ASH PAN OPEN**	During the cleaning phase of the product, the door to the fire or the ash pan was not closed properly.
	SOLUTION
	Check correct closure of the fire door and/ or correct insertion of the ash pan in its compartment.
	If the problem persists, contact the Support Service

ALARM CODE	REASON
16 PELLET TANK DOOR OPEN	During the pellet loading phase of the product, the tank door was not closed properly.
	SOLUTION
	Check the pellet tank door is closed properly.
	If the problem persists, contact the Support Service

ALARM CODE	REASON
18 FLAME PROBE	Simultaneous flame probe and smoke probe fault.
	SOLUTION
	Contact Technical Support.

ALARM CODE	REASON
22 FLAME TEMPERATURE	Combustion in the brazier is not optimal as the brazier is clogged or the inner passages of the appliance are clogged.
	The tangential fan (if present) is not working properly or is damaged.
	SOLUTION
	Switch the product off and back on again, activating the cleaner; adjust the combustion with the "P/E mix".
	If the problem persists, contact the Support Service.

ALARM CODE	REASON
23 AUGER TRIAC	Anomaly of an internal component of the electronic board that manages the pellet loading auger.
	Possible drops in voltage or wrong voltage input to the device.
	SOLUTION
	Check power supply voltage.
	If the problem persists, contact the Support Service

ALARM CODE	REASON
24 AUGER PHASE	No connection of cabling that brings power to the auger gearmotor.
	SOLUTION
	If the problem persists, contact the Support Service

CODICE ALLARME	MOTIVAZIONE
28 REVOLUTION FAILURE SMOKE ENCODER	Smoke extractor encoder not working or not connected correctly
	RISOLUZIONE
	If the problem persists, contact the Support Service

CODICE ALLARME	MOTIVAZIONE
29 CYCLE LIMIT CLEANING	The maximum limit of cleaning cycles allowed during a work phase has been reached prolonged.
	RISOLUZIONE
	In safety, vacuum the brazier and switch on again.
	If the problem persists, contact the Support Service

17 CLEANING THE APPLIANCE

Product installation must take place in in such a way as to ensure easy access to the appliance itself and to the flue for cleaning and maintenance operations.

Please carefully adhere to the following instructions for correct cleaning of the appliance. Non-compliance could cause its malfunctioning.

Before carrying out any cleaning operation on the appliance, take the following precautions:

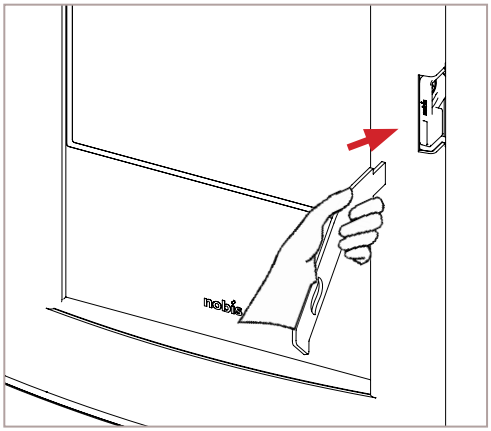
- switch off the product and in "OFF" status disconnect the power supply cable;
- ensure all the parts are cold to touch;
- ensure the combustion ash is completely out.

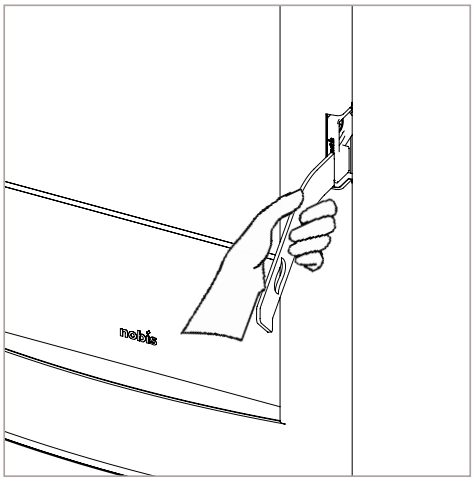
To clean the surfaces, on the painted metal parts, use a cloth soaked in water and soap.
Use of abrasive detergents or diluents causes damage to the surface of the product.

17.1 CLEANING THE FIREPLACE

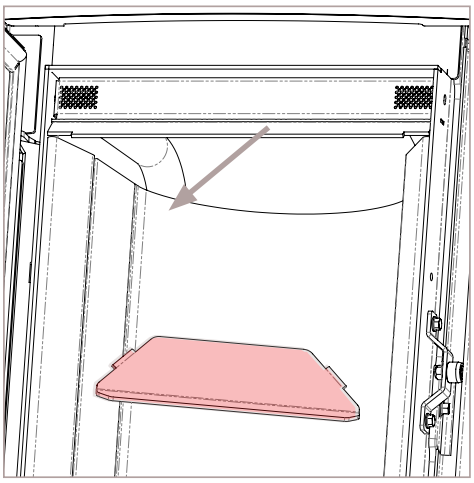
Open the fire door, using the specific tool and:
• vacuum the slide bringing the ash to the brazier; • dismantle the flame trap, vacuum the compartment hidden by the flame trap (paying utmost attention not to damage the sensor placed behind the flame trap).
• the vermiculite does not require cleaning, in any case if you intend eliminating the soot dust, only use a soft bristle brush.

OPERATING PROCEDURE:
Open the fire door using the "cold lever" supplied with the product and Insert the "cold lever" in the specific compartment, as indicated in the figure below:

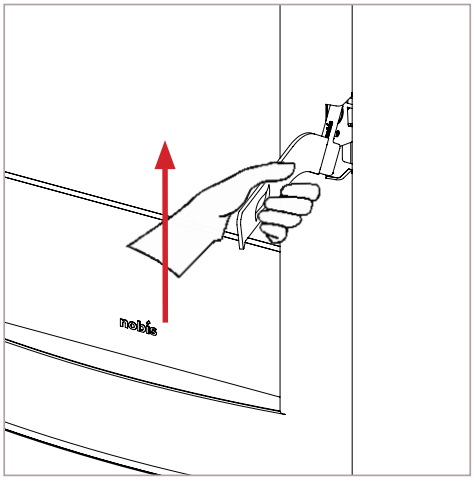




Lift the "cold lever", supplied with the product, to release the door and allow fire door opening, as in the figure below:

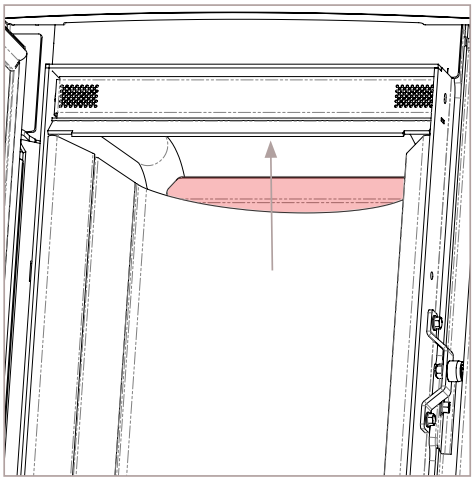


With a soft bristle brush, eliminate the combustion particulate, allowing it to fall in the slide beneath.

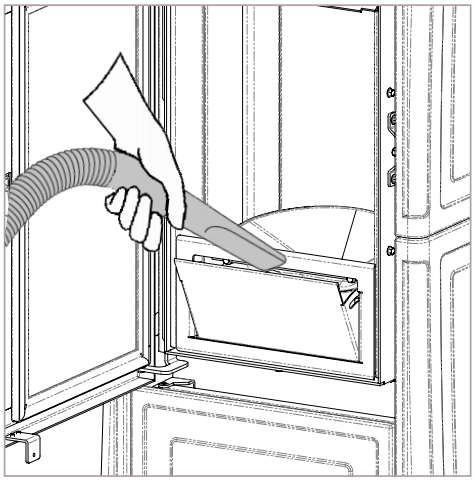


To extract the flame trap, lift it slightly as in the figure below:

Vacuum the slide, the hatch and the surface hidden by the flame trap, paying attention not to knock the vacuum cleaner nozzle off the vermiculite.



Remove it by bringing the lever towards you with slight movement downwards as in the figure below:

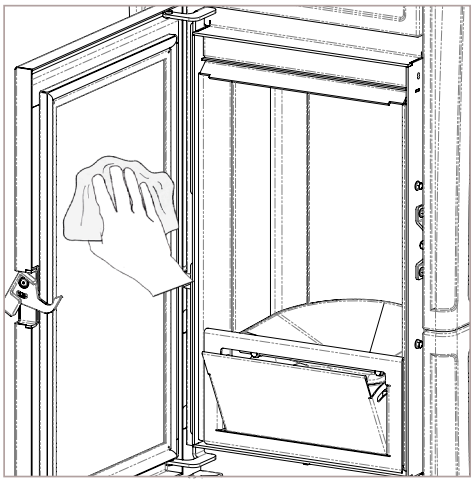


17.2 CLEANING THE GLASS DOOR

To clean the glass, use a cotton cloth or kitchen paper. You are advised to clean the glass using a damp cloth with water and combustion ash (with an abrasive function), avoiding use of products with additives that could, over time, wear the seals, glass and paint.

Do not switch on the appliance if the glass is damaged. Contact the support service to replace it.

OPERATING PROCEDURE:
Clean with a cotton cloth as in the figure below:

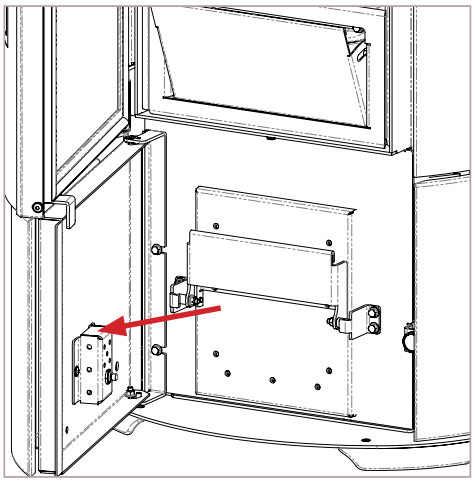


17.3 CLEANING THE ASH PAN

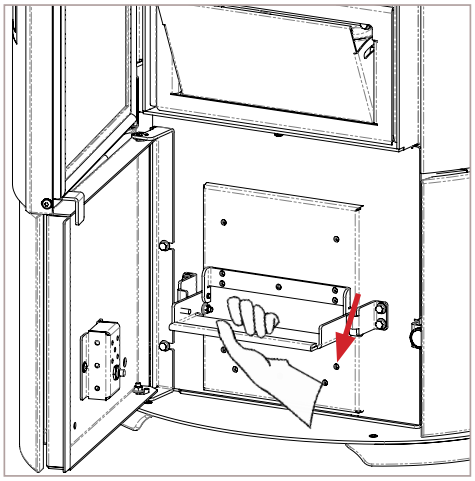
Remove the pan from the appliance and remove the ash deposited, using an ash vacuum cleaner; pay utmost attention to the presence of embers that could still be hot and which could damage the appliance used for cleaning.

The cleaning operations depend on the quality of the pellets used and the frequency of use of the product. It can happen that such operations must be carried out more frequently than stated in the manual.

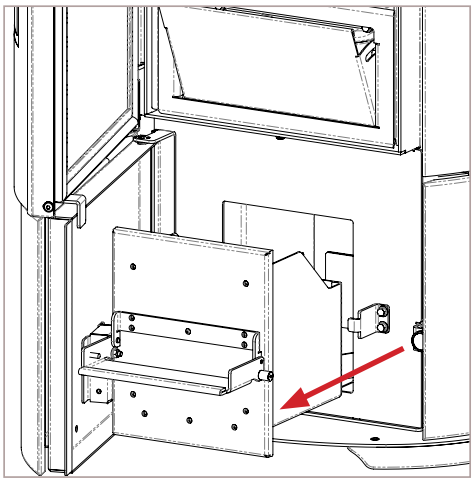
OPERATING PROCEDURE:
Open the door positioned under the fire door, as i
the figure below:



Open the ash pan using the handle, as in the figu
below:



Remove the ash pan and empty it, as in the figure
below:

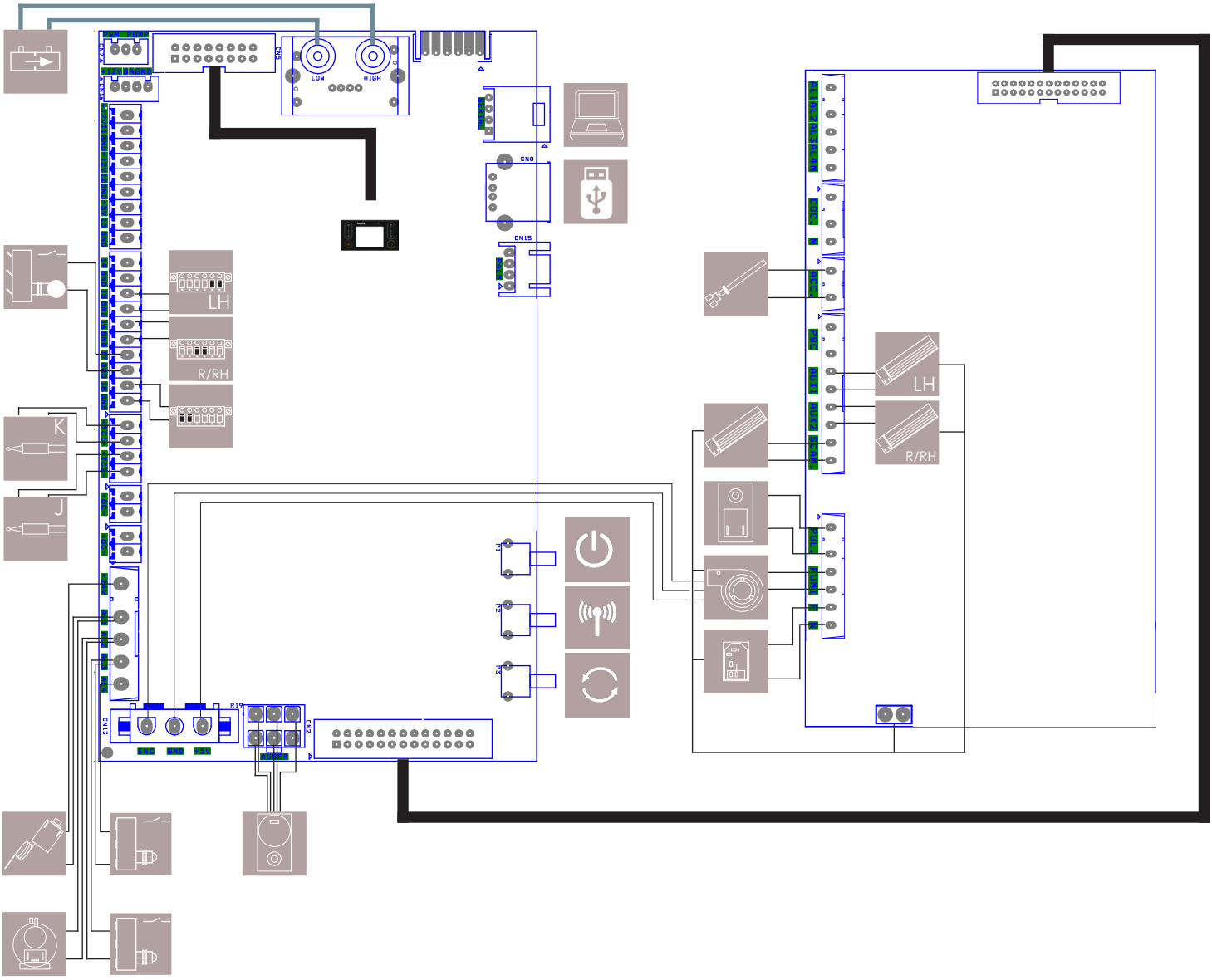


CLEANING CYCLES TABLE
Below, the control and/or maintenance intervention are summarised which are indispensable for correct appliance operation.

PARTS/FREQUENCY	TIME
Ash pan (approx. time)	7 DD
Glass	2-3 DD
Extraction pipe *	1 SE
Door seal/ash pan*	1 SE
Tube bundle scraper (where present)	7 DD
Chimney flue	1 SE
Combustion chamber	2-3 DD
Vacuum pellet tank	30 DD
Electromechanical components*	1 SE

LEGEND:
* - operations which can be carried out by a technician authorised by the manufacturer;
DD - day/s
SE - season

18 WIRING DIAGRAM



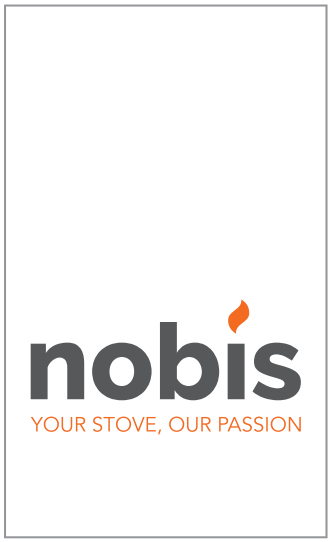
LEGEND:

PRESSURE SENSOR	SMOKE EXTRACTOR	SAFETY VACUUM SWITCH	REMOTE UNIT SELECTION KEY
STROKE COUNTER MECHANICAL CLEANER	MANUAL RESET THERMAL SWITCH	VENTILATION FRONT	UPGRADE FW KEY (technical support only)
TERMINAL BOARD CONNECTION T.EXTERNAL	RESISTOR SWITCH ON	PC CONNECTION (technical support only)	VENTILATION REAR OR RH
FLAME PROBE	GEARMOTOR MECHANICAL CLEANER	USB CONNECTION (technical support only)	TERMINAL BOARD PROBE OR T.EXT REAR OR REAR RH
SMOKE PROBE	CONTACT DOOR/ ASH PAN (1) PELLET TANK (2)	6-KEY DISPLAY	VENTILATION REAR LH
GEARMOTOR BLDC 24V	220V SOCKET WITH ON/OFF SWITCH AND FUSE	APPLIANCE SWITCH ON KEY	TERMINAL BOARD CONNECTION PROBE OR T.EXT LH

MAINTENANCE

DATE	INTERVENTION CARRIED OUT

NOTE



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