

PELLET BOILER

GORA 22
GORA 26
GORA 29



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The undersigned company, with registered office in
Via Vincenzo Monti 47 - 20123 Milan (Italy) - Italian Tax
Code 00192220192

Hereby declares, under its sole responsibility, that:
The pellet boiler described below conforms to
European Directive 2006/42/EC (Machinery Directive)
and to the harmonised European standard
EN 303-5:2012

PELLET BOILER, tradename Edilkamin,

GORA 22 - GORA 26 - GORA 29

SERIAL NO.: Data plates

Declaration of Conformity

Rating plate reference

Moreover, the company hereby declares that:
the **GORA 22 - GORA 26 - GORA 29** wood
pellet stove satisfy the requirements of the following
European directives:

2014/35/UE - Low Voltage Directive

2014/30/UE - Electromagnetic Compatibility Directive

Dear Sir/Madam

Congratulations on choosing our product. Before you use it, please read this manual carefully, to ensure you get the best performance from your new appliance in total safety.

This manual is an integral part of the product. We ask that you keep it for the entire lifetime of the product. If you lose it, you can request a copy or download it from www.Edilkamin.it

After unpacking the product, check the condition and completeness of the contents.

In the event of error, immediately contact the retailer where the purchase was made, providing him with a copy of the warranty booklet and the sales receipt.

The product must be installed and used in compliance with all applicable local, national and European regulations. For the installation and other aspects not covered explicitly in this manual, refer to the local regulations of your country.

The diagrams provided in this manual are for illustration purposes only: they do not always strictly refer to your specific model, and are not binding in any way.

The product is uniquely identified by a number, the "counterfoil", which is on the warranty certificate.

Please keep:

- the warranty certificate accompanying the product
- the purchase receipt given to you by the retailer
- the declaration of conformity given to you by the installer.

The warranty conditions are given in the warranty certificate accompanying the product.

In Italy, commissioning by an authorised technician is required by UNI 10683, and is recommended in all countries to ensure best results from the product.

This consists in:

- checking the installation documents (declaration of conformity) and the quality of the installation itself;
- calibrating the product to suit its actual application
- explanation to the end user and issue of complementary documentation (commissioning certificate)

Having the appliance commissioned properly ensures that it will operate to best effect and in complete safety. Proper commissioning is required for activation of the Edilkamin warranty. The warranty is only valid in the country of sale of the product.

If the appliance is not commissioned by an authorised technician, Edilkamin will not provide warranty service. See the warranty booklet for details. The above terms do not affect the reseller's legal responsibility for the legal warranty.

The warranty covers only demonstrable manufacturing defects and not, for instance, problems resulting from improper installation or calibration.

MEANING OF SYMBOLS

In some parts of the manual the following symbols are used:



PLEASE NOTE:

carefully read and understand the message in question, since failure to follow the instructions in it could cause serious damage to the product and put the safety of those using it at risk.



INFORMATION:

failure to comply with these requirements will compromise product use.



OPERATING SEQUENCE:

follow the instructions for the operations described

- The product is not designed for use by people, including children, with limited physical, sensory and mental abilities.
- The appliance is designed for cooking purposes.
- The appliance is designed to burn UNI EN ISO 17225-2 category A1 wood pellets, in the amounts and manner described in this manual.
- The appliance is designed for indoor use and for environments with normal humidity conditions.
- Keep the product in a dry place out of the weather.
- For the legal and company warranties, refer to the warranty certificate inside the product: specifically, neither Edilkamin nor the reseller are liable for damage resulting from incorrect installation or maintenance.

Safety risks may be caused by:

- installation in unsuitable areas. In conditions where there is a particular risk of fire hazard. **DO NOT INSTALL THE PRODUCT IN AREAS SUBJECT TO THE RISK OF FIRE.**
- contact with fire and hot parts (e.g. glass panel and pipes). **DO NOT TOUCH HOT PARTS** and, when switched off and still hot, always wear the gloves.
- contact with live electrical equipment (internal). **DO NOT ACCESS THE INTERNAL ELECTRICAL EQUIPMENT WHILE THE APPLIANCE IS POWERED ON.** Electrocution hazard.
- the use of unsuitable ignition aids (e.g. alcohol). **DO NOT IGNITE OR BOOST THE FLAME WITH FLUID SPRAYS OR A FLAME TORCH.** Serious risk of burns, damage and injury.
- the use of fuel other than wood pellets. **DO NOT BURN WASTE MATTER, PLASTICS OR ANY MATERIALS OTHER THAN WOOD PELLETS IN THE HEARTH.** Risk. The product may be soiled, the flue may catch fire, and could cause damage to the environment.
- cleaning the hearth when hot. **NEVER VACUUM WHEN HOT.** This risks damage to the vacuum cleaner and smoke in the room.
- cleaning the fumes duct with cleaning products. **DO NOT CLEAN THE PRODUCT BY HAND WITH FLAMMABLE PRODUCTS.** Risk of fire or blowback.
- cleaning the hot glass pane with unsuitable cleaning products. **DO NOT CLEAN HOT GLASS WITH WATER. ONLY USE RECOMMENDED GLASS CLEANING PRODUCTS** Risk of cracking as well as irreparable damage to the glass.
- the storage of flammable materials at a distance which is less than the safe distances listed in this manual. **DO NOT REST LAUNDRY ON THE PRODUCT. DO NOT PLACE DRYING RACKS AT A DISTANCE WHICH IS LESS THAN THE SAFETY DISTANCES.** Keep flammable fluids away from the product. Risk of fire.
- blocking air ventilation openings or air inlets in the room. **DO NOT BLOCK THE AIR VENTILATION OPENINGS, OR THE FLUE.** Risk of smoke returning into the room with consequent damage and injury.
- use of the product as a support or ladder. **DO NOT CLIMB ONTO THE PRODUCT OR USE IT AS A SUPPORT.** Risk of damage and injury
- use of the boiler with the hearth open. **DO NOT USE THE PRODUCT WITH ITS DOOR OPEN.**
- incandescent material escaping from the open door. **DO NOT** throw incandescent material outside the appliance. Risk of fire.
- use of water in case of fire. **CALL THE AUTHORITIES** in the event of fire.
- If you have doubts, please do not take any action, but contact the retailer or the installer.
- **NEVER OPERATE THE BOILER WITHOUT WATER IN THE CIRCUIT.**
- **A "DRY" IGNITION COULD RESULT IN DAMAGE TO THE BOILER.**
- For reasons of safety, read the user instructions included in this manual.

TECHNICAL CHARACTERISTICS in accord. with EN 303-5					
	GORA 22	GORA 26	GORA 29	GORA 22-26-29	
	Nominal power	Nominal power	Nominal power	Reduced power	
Heat input	21,5	25,8	29,2	6	kW
Available power	20,1	24	27	6	kW
Efficiency	93,5	92,9	92,5	94,3	%
CO emissions at 10% O ₂	0,002	0,006	0,009	0,026	%
Fumes temperature	88	93	97	54	°C
Fuel consumption *	4,5	5,4	6,1	1,4	kg/h
Tank capacity	60				kg
Draw	12	11	11	11	Pa
Water content	40				Litri
Maximum operating water pressure	2				bar
Maximum operating water temperature	90				°C
Autonomy	13-43	11-43	10-43	--	h
Heatable volume **	525	625	705	--	m ³
Fumes outlet diameter	80				mm
Combustion air diameter	50				mm
Weight including packaging	302	335	328	--	kg
Product class (EN 303-5/2012)	5			--	
EU 2015/1187	A+			--	

*A calorific value of 4.8 kW/Kg has been used to calculate consumption.

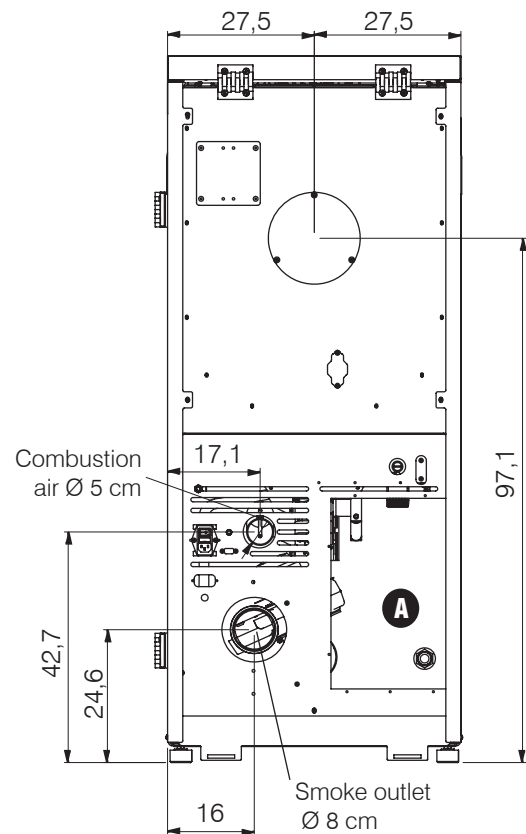
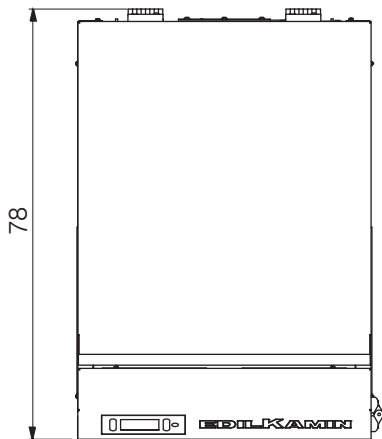
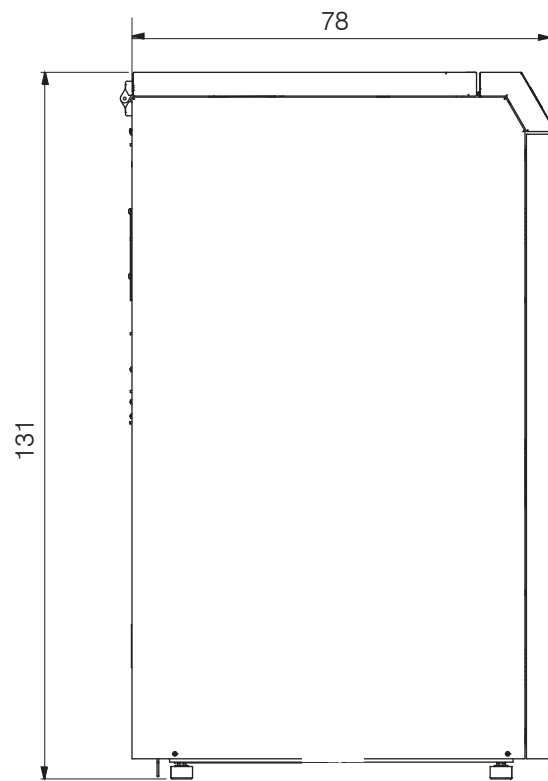
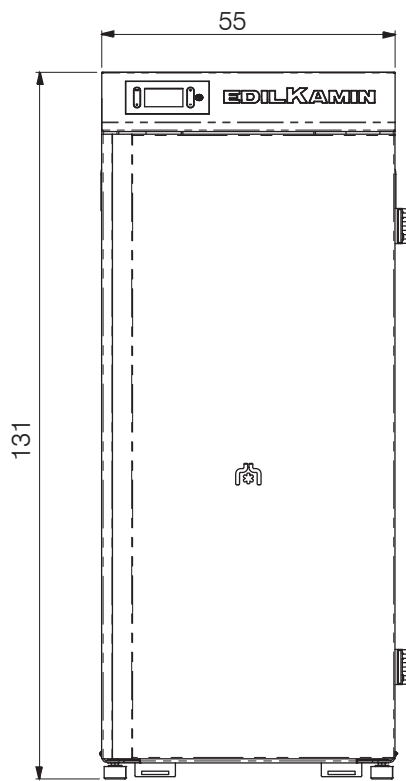
** The heatable volume is calculated based on the assumption of a heating demand of 33 Kcal/m³ hour.

TECHNICAL DATA FOR RATING THE FLUE				
which must in any case satisfy the requirements of this sheet and the installation instructions for the product				
	GORA 22	GORA 26	GORA 29	
	Nominal power			
Fumes temperature at outlet	106	112	116	°C
Minimum draw	0,01			Pa
Fumes flow rate	11,7	13	13,7	g/s

ELECTRICAL SPECIFICATIONS			
Power	230Vac +/- 10% 50 Hz		
Power consumption in stand by	4 W		
Mean absorbed power	73/20 W	90/20 W	90/20 W
Power absorption during ignition	400 W		
Protection on mains power supply	Fuse 4 AT, 250 Vac 5x20		
Logic board protection	Fuse 4 AF, 250 Vac 5x20		

The manufacturer reserves the right to modify the product without notification in the interests of improvement.

GORA 22 - GORA 26 - GORA 29 (dimensions cm)



A Hydraulic connections depend on the optional kits R-FX, R2-FX o RW-FX. You can find further information in the paragraph "water circuit installation"

**ECODESIGN REQUIREMENTS FOR SOLID FUEL BOILERS
ACCORDING TO COMMISSION REGULATION (EU) 2015/1189
AND ECOLABEL REQUIREMENTS FOR SOLID FUEL BOILERS
ACCORDING TO COMMISSION REGULATION (EU) 2015/1187**

EDILKAMIN – GORA 22

Stoking mode: Automatic: it is recommended that the boiler be operated with a hot water storage tank of a volume of at least 400 litres (**)

Condensing boiler: no

Solid fuel cogeneration boiler: no

Combination boiler: no

Fuel	Preferred fuel (only one):	Other suitable fuel(s):	η_s [%]:	Seasonal space heating emissions			
				PM	OGC	CO	NOx
				mg/m ³ at 10%O ₂			
Log wood, moisture content ≤ 25 %	no	no					
Chipped wood, moisture content 15-35 %	no	no					
Chipped wood, moisture content > 35 %	no	no					
Compressed wood in the form of pellets or briquettes	yes	no	84	16	4	281	122
Sawdust, moisture content ≤ 50 %	no	no					
Other woody biomass	no	no					
Non-woody biomass	no	no					
Bituminous coal	no	no					
Brown coal (including briquettes)	no	no					
Coke	no	no					
Anthracite	no	no					
Blended fossil fuel briquettes	no	no					
Other fossil fuel	no	no					
Blended biomass (30-70 %)/fossil fuel briquettes	no	no					
Other blend of biomass and fossil fuel	no	no					

(**) Tank volume = 20 x P_r, with P_r indicated in kW

Characteristics when operating with the preferred fuel only:

Seasonal space heating energy efficiency η_s [%]: **84**

Energy efficiency index EEI: **124**

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Useful heat output				Useful efficiency (GCV as received)			
At rated heat output	P_n	20	kW	At rated heat output	η_n	87.5	%
At [30 %/50 %] of rated heat output, if applicable	P_p	6,0	kW	At [30 %/50 %] of rated heat output, if applicable	η_p	88.2	%
For solid fuel cogeneration boilers: Electrical efficiency				Auxiliary electricity consumption			
At rated heat output	$\eta_{el,n}$	N.A.	%	At rated heat output	eI_{max}	0,073	kW
				At [30 %/50 %] of rated heat output, if applicable	eI_{min}	0,020	kW
				Of incorporated secondary emission abatement equipment, if applicable		N.A.	kW
				In standby mode	P_{SB}	0,004	kW

Contact details	Name and address of the manufacturer or its authorized representative.
Tel. +39 02 937621 www.edilkamin.it mail@edilkamin.it	Manufacturer: EDILKAMIN SPA Via Mascagni 7 20020 Lainate (MI) – ITALY

**ECODESIGN REQUIREMENTS FOR SOLID FUEL BOILERS
ACCORDING TO COMMISSION REGULATION (EU) 2015/1189
AND ECOLABEL REQUIREMENTS FOR SOLID FUEL BOILERS
ACCORDING TO COMMISSION REGULATION (EU) 2015/1187**

EDILKAMIN – GORA 26

Stoking mode: Automatic: it is recommended that the boiler be operated with a hot water storage tank of a volume of at least 480 litres (**)

Condensing boiler: no

Solid fuel cogeneration boiler: no

Combination boiler: no

Fuel	Preferred fuel (only one):	Other suitable fuel(s):	η_s [%]:	Seasonal space heating emissions			
				PM	OGC	CO	NOx
				mg/m ³ at 10%O ₂			
Log wood, moisture content ≤ 25 %	no	no					
Chipped wood, moisture content 15-35 %	no	no					
Chipped wood, moisture content > 35 %	no	no					
Compressed wood in the form of pellets or briquettes	yes	no	84	16	4	288	121
Sawdust, moisture content ≤ 50 %	no	no					
Other woody biomass	no	no					
Non-woody biomass	no	no					
Bituminous coal	no	no					
Brown coal (including briquettes)	no	no					
Coke	no	no					
Anthracite	no	no					
Blended fossil fuel briquettes	no	no					
Other fossil fuel	no	no					
Blended biomass (30-70 %)/fossil fuel briquettes	no	no					
Other blend of biomass and fossil fuel	no	no					

(**) Tank volume = 20 x P_r with P_r indicated in kW

Characteristics when operating with the preferred fuel only:

Seasonal space heating energy efficiency η_s [%]: **84**

Energy efficiency index EEI: **124**

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Useful heat output				Useful efficiency (GCV as received)			
At rated heat output	P_n	24,0	kW	At rated heat output	η_n	86,9	%
At [30 %/50 %] of rated heat output, if applicable	P_p	6,0	kW	At [30 %/50 %] of rated heat output, if applicable	η_p	88.2	%
For solid fuel cogeneration boilers: Electrical efficiency				Auxiliary electricity consumption			
At rated heat output	$\eta_{el,n}$	N.A.	%	At rated heat output	$e_{l,max}$	0,090	kW
				At [30 %/50 %] of rated heat output, if applicable	$e_{l,min}$	0,020	kW
				Of incorporated secondary emission abatement equipment, if applicable		N.A.	kW
				In standby mode	P_{SB}	0,004	kW

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**ECODESIGN REQUIREMENTS FOR SOLID FUEL BOILERS
ACCORDING TO COMMISSION REGULATION (EU) 2015/1189
AND ECOLABEL REQUIREMENTS FOR SOLID FUEL BOILERS
ACCORDING TO COMMISSION REGULATION (EU) 2015/1187**

EDILKAMIN – GORA 29

Stoking mode: Automatic: it is recommended that the boiler be operated with a hot water storage tank of a volume of at least 540 litres (**)

Condensing boiler: no

Solid fuel cogeneration boiler: no

Combination boiler: no

Fuel	Preferred fuel (only one):	Other suitable fuel(s):	η_s [%]:	Seasonal space heating emissions			
				PM	OGC	CO	NOx
				mg/m ³ at 10%O ₂			
Log wood, moisture content ≤ 25 %	no	no					
Chipped wood, moisture content 15-35 %	no	no					
Chipped wood, moisture content > 35 %	no	no					
Compressed wood in the form of pellets or briquettes	yes	no	84	16	4	293	120
Sawdust, moisture content ≤ 50 %	no	no					
Other woody biomass	no	no					
Non-woody biomass	no	no					
Bituminous coal	no	no					
Brown coal (including briquettes)	no	no					
Coke	no	no					
Anthracite	no	no					
Blended fossil fuel briquettes	no	no					
Other fossil fuel	no	no					
Blended biomass (30-70 %)/fossil fuel briquettes	no	no					
Other blend of biomass and fossil fuel	no	no					

(**) Tank volume = 20 x P_r with P_r indicated in kW

Characteristics when operating with the preferred fuel only:

Seasonal space heating energy efficiency η_s [%]: **84**

Energy efficiency index EEI: **124**

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Useful heat output				Useful efficiency (GCV as received)			
At rated heat output	P_n	27.0	kW	At rated heat output	η_n	86,5	%
At [30 %/50 %] of rated heat output, if applicable	P_p	6,0	kW	At [30 %/50 %] of rated heat output, if applicable	η_p	88.2	%
For solid fuel cogeneration boilers: Electrical efficiency				Auxiliary electricity consumption			
At rated heat output	$\eta_{el,n}$	N.A.	%	At rated heat output	el_{max}	0,090	kW
				At [30 %/50 %] of rated heat output, if applicable	el_{min}	0,020	kW
				Of incorporated secondary emission abatement equipment, if applicable		N.A.	kW
				In standby mode	P_{SB}	0,004	kW

Contact details	Name and address of the manufacturer or its authorized representative.
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PLUMBING

The products are equipped with closed expansion tanks.

If the expansion tank is built into the product, this does NOT ensure proper protection against thermal expansion caused by water in the entire system.

Therefore, installers should assess whether an additional expansion tank is needed, depending on the type of system.

ALL OTHER HYDRAULIC COMPONENTS MAY BE INSTALLED WITHIN THE Boiler stove BY PURCHASING A KIT OR IF PREPARED BY THE INSTALLER.

- Plumbing depends on the type of system.
- However, there are some “general rules”:
- The hydraulic system must operate at a pressure between 1 and 1.5-2 bars at running temperature (hot) in a closed vessel circuit.
- N.B.: The boiler stove SHOULD NOT be installed in place of, for example, an open vessel installed kitchen range without adjusting the expansion system to closed vessel.
- The presence of an accumulator (tank) is recommended but not mandatory. Its advantage is that it releases the boiler stove from “sudden” requests from the system and can be integrated with other heat sources. It reduces fuel consumption and increases the efficiency of the system. A puffer of at least 20 l/kW is recommended.
- The return temperature of water to the boiler stove must be higher than 50-55° C to prevent the forming of condensation.
- An accumulator (tank) is needed to heat lowtemperature radiant panels and must be installed according to the panel manufacturer’s instructions.
- The material used in the circuit must be suitable to withstand overheating.
- The installer must determine whether or not to use conditioned products. In Italy, refer to UNI 8065-1989 (Water treatment in heating systems for civil use).
- Direct plumbing to the radiators prevents proper operation, owing to the small diameter of their pipes.

We offer four internal kits (optional)

KIT R-FX

for installation without instant DHW production.

KIT R2-FX

For installation without instant DHW production with system separator.

KIT RW-FX

for installation with instant DHW production Suggested for 22 kW models only.

PRESS URE GAUGE

The boiler stoves have an electronic water pressure gauge. There are no analogue pressure gauges. The water pressure is shown on the display, (*) as shown in the diagram. An analogue pressure gauges can be fitted as an optional extra.



The product looks like the image below without any kits.



VENT

During normal operation the stove is vented automatically. The need for manual venting can only be assessed at initial start-up by the technician

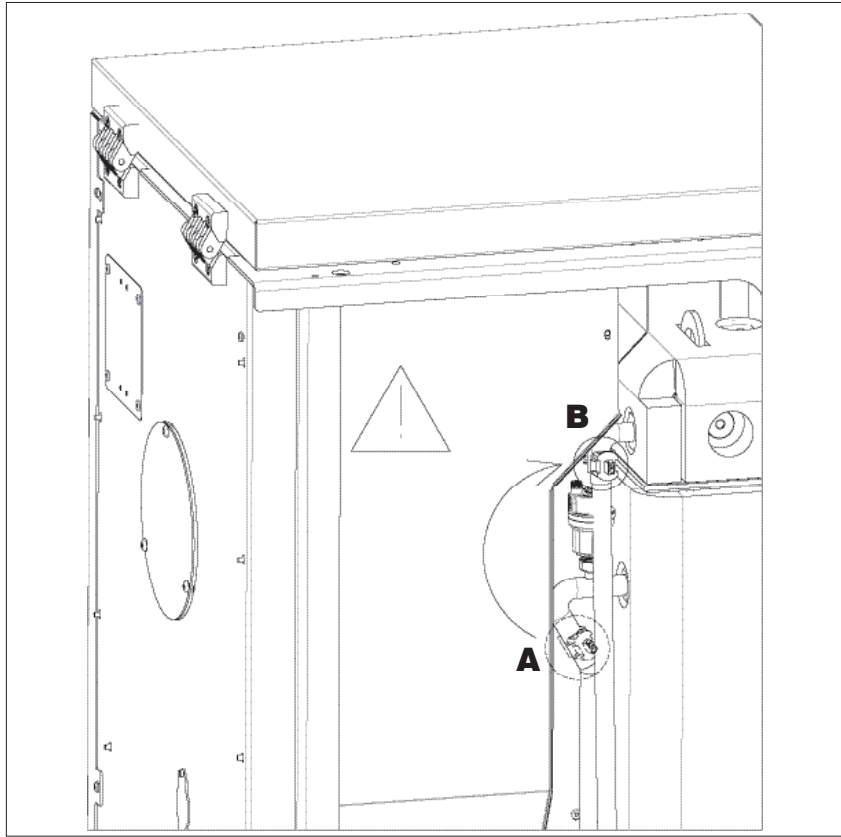


make sure that the swivel (nut) on the two boiler stove outlet pipes is closed

Real size templates are available for technicians.

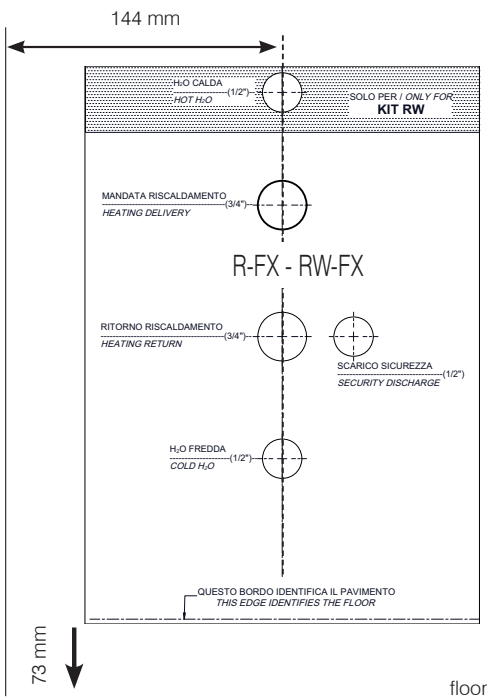


To assemble the kits, move the probe (S) from point **A** to point **B**

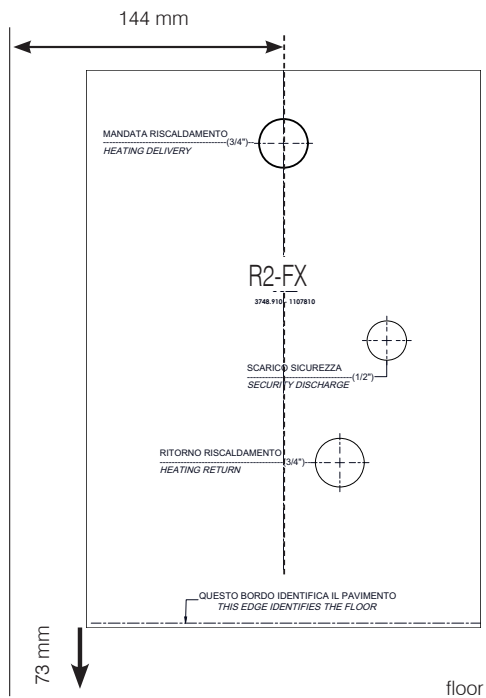


PIPE KIT Measurements in mm

left side



left side



floor

floor

OPTIONAL HYDRAULIC KITS All kits are supplied with instructions for their connection to the boiler stove. The technicians have a dedicated paper template for each product. Make sure to use the correct template for the model being installed.
Position the template flush with the floor and aligned with the left hand side of the outer edge boiler stove. Remember to always observe the minimum installation distances, both from flammable materials and for maintenance.

HYDRAULIC INSTALLATION EXAMPLES

N.B.: These diagrams are indicative, correct installation is the responsibility of the plumber and the associated parameters should be set by the Technical Assistance Centre during first ignition.

These pages only include indications of possible installations and uses which must be defined together with the installer and the Technical Assistance Centre during first ignition.

HEATING ONLY

Compatible kits are:

- KIT R-FX
- KIT R2-FX

The heat demand may arise from:

the environmental probe input (if the detected temperature falls 1 °C below the set temperature);

The heat demand is shown on the display by a radiator symbol.

HEATING AND INSTANT DHW

Compatible kits are:

- KIT R-FX
- KIT RW-FX
- KIT R2-FX

The heat demand may arise from:

the environmental probe input (if the detected temperature falls 1 °C below the set temperature);

the flow switch, when the DHW tap is opened.

The heat demand is shown on the display by a radiator or a tap symbol.

HEATING AND DHW BOILER

Compatible kits are:

- KIT R-FX

The heat demand may arise from:

the environmental probe input (if the detected temperature falls 1 °C below the set temperature);

the demand for DHW from the thermostat/boiler probe.

With a DHW demand, the boiler stove pump is switched on if the temperature in the boiler stove is 5 °C higher than the boiler temperature and the three-way valve diverts to DHW. The distribution pump is off.

COMBINATION WITH ACCUMULATOR TANK

The Kits combinable with the accumulator are:

- KIT R-FX

The accumulation probe must be set as accumulator tank probe

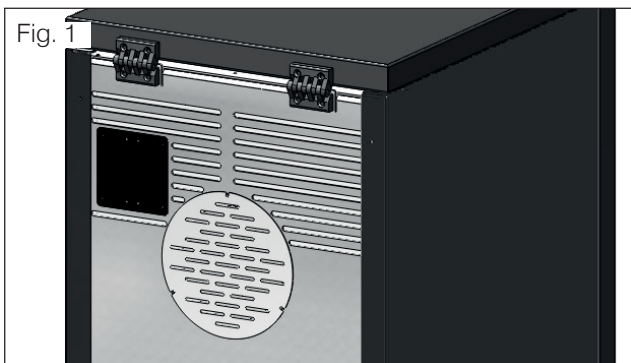
The demand for heating can be made:

by the thermostat/probe of the accumulator tank.

The pump of the boiler stove ensures the heat transfer from the boiler stove to the accumulator tank.

The (secondary) booster pump provides heat transfer from the accumulator tank to the system.

The timer programming on the display applies to the (secondary) booster pump.



ADAPTATION FOR PELLET LOADING SCREW SYSTEM (optional)

The boiler is designed for pellet loading by means of a screw feeding system.

ATTENTION: the boiler must be positioned at least 30 cm from the wall behind it

To install the system, proceed as follows:

N.B.:
before starting, turn the boiler off and disconnect the electricity supply wire.

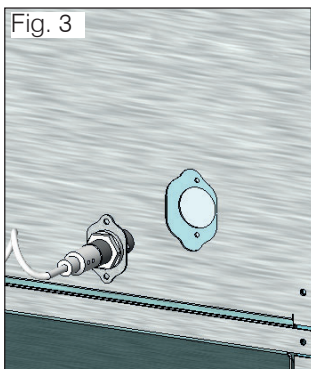
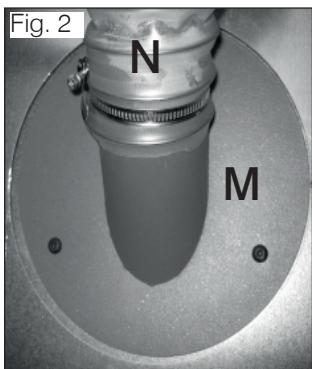


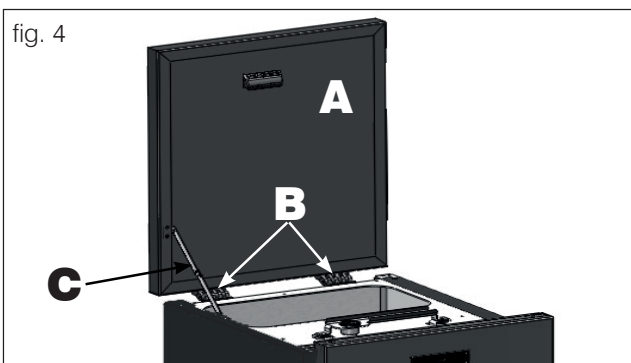
Fig 1 - 2

- Remove the cover screwed onto the back of the boiler (fig. 1), and replace it with the flexible pipe connection flange contained in the system packaging (M -fig. 2).

- The flexible pellet feeding pipe must be connected to the flange (N) (see system technical diagram).

Fig 3

- Insert the level sensor in the special seat on the rear of the boiler, removing the cap fixed with two screws.



ADAPTATION FOR PNEUMATIC PELLET LOADING SYSTEM (optional)

The boiler is designed for pellet loading by means of a pneumatic feeding system.

The user must activate loading manually.

To install the system, proceed as follows:

N.B.:
before starting, turn the boiler off and disconnect the electricity supply wire.

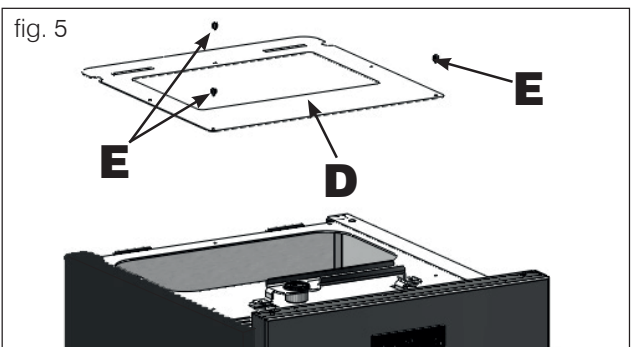


Fig. 4:

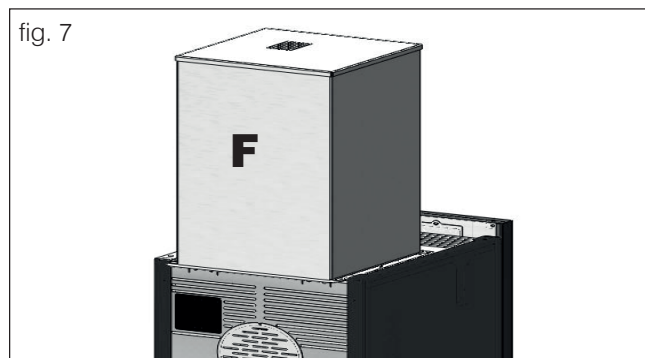
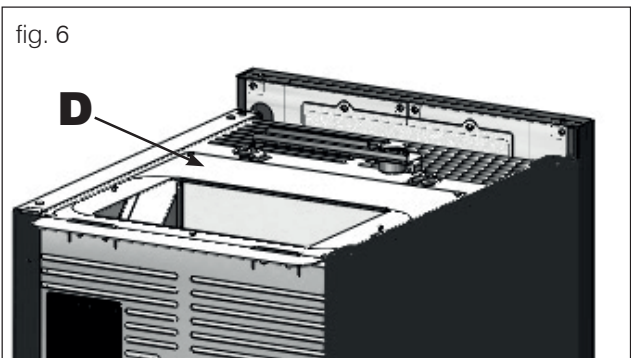
Remove the steel cover (A) by dismantling the two hinges (B) and the compass type rod (C).

Fig. 5-6:

Position the plate (D), contained in the system packaging and fix it with three screws (E) provided.

Fig. 7:

The external unit for drawing pellets must be fixed to the plate (D) (see system technical diagram).



REMARKS ON INSTALLATION

Note that:

- installation must be carried out by authorised technical personnel.
- all local and national laws and European standards must be met in the installation and use of the product. In Italy, the standard of reference is UNI 10683
- If installed in a condominium, the appliance must be approved by the administrator.

We give some general instructions below, however these do not obviate the need to comply with local regulations and do not affect the installer's liability for the installation.

Checking the suitability of the installation space

- The floor must be able to bear the weight of the product and its accessories.
- Level the appliance
- The product may not be installed in bedrooms, bathrooms or in a room with any other product which draws air for combustion in the room itself, or in any area with an explosive atmosphere. Any extraction fans operating in the same room or area in which the product has been installed, may affect its draught.

In Italy, check the compatibility pursuant to UNI 10683 and UNI 7129 in the presence of gas fired products.

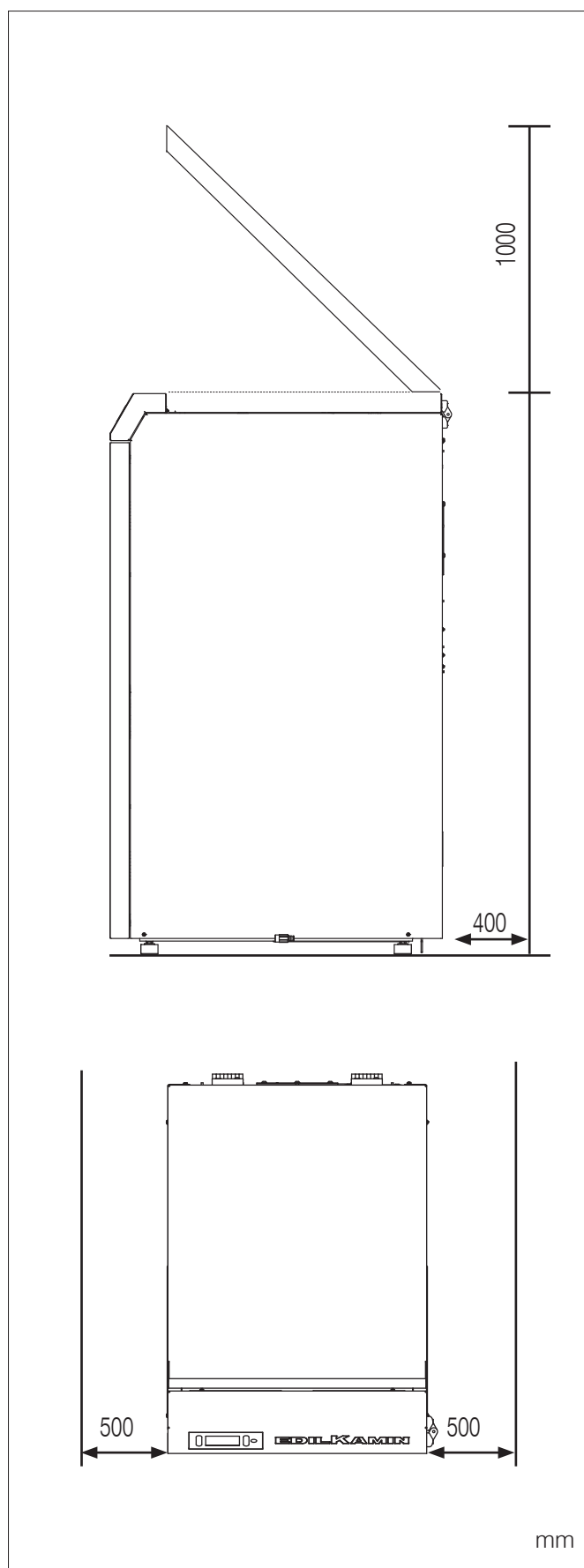
Protection from heat and safety clearances safety

The surfaces of the building adjacent to the product must be protected against overheating.

The insulation to be used will depend on the type of surface in question.

When positioning the product, remember to leave adequate space for the performance of maintenance and the loading of pellets

We remind you to observe the distances (in mm) shown in the diagram, also to facilitate maintenance and loading of the pellets into the tank.



THE FLUE:

Further to the general prescriptions for the fumes duct and flue, the flue:

- must serve solely to exhaust fumes
- must be correctly sized to satisfy the requirements of fumes exhaust (EN 13384-1)
- should preferably be insulated, in steel with a circular internal section. If rectangular, the corners must have a radius of not less than 20 mm, with a ratio of the internal dimensions of <1.5
- must normally be at least 1.5 metres in vertical length
- must have a constant cross section
- must be waterproof and thermally insulated to ensure a good draw
- preferably provide a collection chamber for unburnt fuel and condensates.
- If pre-existing, must be clean, to prevent the fire hazard.
- in general, we recommend fitting a tube inside the existing masonry chimney if its diameter is greater than 150 mm.

INTUBATED SYSTEM:

Further to the general prescriptions for the fumes duct and flue, the intubated system:

- must operate in negative pressure;
- must be open to inspection
- must observe local regulations.

THE CHIMNEY POT

- must be windproof
- must have an internal cross section equivalent to that of the flue and a fumes outlet at least double that of the interior of the flue
- for dual flues (which should be spaced at least 2 m apart) the chimney pot receiving the fumes from the solid fuel appliance or that from the higher storey, must be at least 50 cm higher than the other
- it must extend beyond the back flow zone (in Italy, refer to UNI 10683 point 6.5.8.)
- it must allow for maintenance of the chimney

EXTERNAL AIR INTAKE

In general, we suggest two ways to ensure a proper flow of combustion air.

Indirect air intake

Install an air outlet at floor level with an effective surface area (net of the screen or other protections) of at least 80 cm² (10 cm in diameter).

To prevent draughts, we recommend installing the intake behind the stove or behind a radiator.

Installing it in front of the appliance will create unpleasant draughts.

Direct air intake

Install an air intake of effective area ((net of the mesh or other protective equipment) at least equal to that of the air intake at the back of the product.

Connect the air intake to the appliance's air intake with a tube (which may also be flexible).

A maximum length of 3 metres is recommended, with no more than 3 bends depending on the draft of the flue.

The air maybe drawn from an adjacent room only if:

- the flow is taken from permanent and unobstructed openings communicating with the outdoors;
- the air pressure in the adjacent room is never lower than that of the outdoor pressure;
- the adjacent room is not a garage. subject to fire hazard, a bathroom or bedroom
- the adjacent room is not a shared room in the condominium

In Italy, UNI 10683 requires that ventilation is sufficient even if it is guaranteed that the difference in pressure between the outdoor and indoor environment is equal to or less than 4 PA (UNI EN 13384-1). The installer who issues the declaration of conformity is responsible for ensuring these conditions are met..

FLUE SYSTEM

(Fumes duct, flue and chimney pot)

This section has been drafted pursuant to European regulations EN 13384, EN 1443, EN 1856 and EN 1457. The installer must observe both these and any other local regulations. This manual should not in any way be considered as a replacement for existing regulations.

The product must be connected to a flue system which ensures that the fumes produced by combustion are exhausted in complete safety.

Before positioning the product, the installer must check that the flue is suitable.

FUMES DUCT, FLUE

The fumes duct (which connects the hearth's fumes outlet with the flue) and the flue itself must, among other regulatory requirements:

- receive the fumes from a single product (the outlets of multiple appliances may not be conveyed into a single flue)
- be routed vertically for the most part
- have no downwards sloping sections
- preferably have a circular internal cross section, or with a ratio of the sides of less than 1.5
- terminate at roof level with a proper chimney pot: the flue may not discharge directly on the wall or into an enclosed space, even if the space in question is open to the sky
- be made of material rated fire reaction class A1 per UNI EN 13501 or analogous national regulations.
- be certified, with a chimney plate if metal
- be of uniform cross section or vary in cross section only immediately after the outlet, not at some mid point of its length

THE FUMES DUCT

Further to the general requirements for the fumes duct and flue, the fumes duct:

- may not be made of flexible metal material
- must be insulated, if routed through unheated areas or outdoors
- must not be routed through rooms where the installation of combustion heat generators is prohibited, there is risk of fire, or which cannot be inspected.
- must enable the recovery of soot and be open for inspection
- have at most 3 bends with a maximum angle of 90°
- have a single horizontal section with a maximum length of 3 metres, depending on the draw. In any event, consider that long sections promote the accumulation of dirt and are harder to clean.

Positioning the product

The product is designed to operate in all climatic conditions. In the event of special circumstances, such as strong wind, the product may be switched OFF through the intervention of the safety systems.

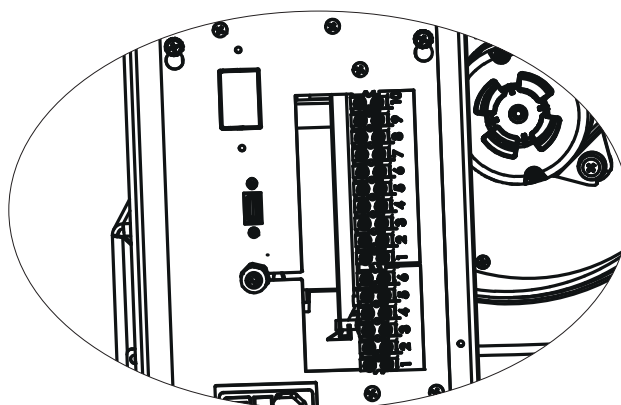
Contact the authorised Edilkamin Technical Assistance Centre.

TERMINAL BOARD

There is a bracket with a terminal board and 5 cableways* on the back (remove the protective cover fixed by two screws).

Examples of possible connection configurations are given below.

* The cableways are provided in the pack above the product structure. Based on the connections required at the terminal board, break the knockout panel in the terminal board cover for the cable to be wired and secure it with the cable gland.



The poles are numbered on the product as below.

low voltage terminal board

N ^o POLES	POSSIBLE CONNECTIONS	NOTES
1/2	NTC analogue input	e.g. for a second probe for accumulator tank or boiler for domestic hot water or for an external probe for climatic curve
3/4	NTC probe/accumulator tank thermostat	
5/6	NTC probe/room thermostat	the room probe is supplied already wired as standard
7/8	Home Automation Input. This is an input which receives all home automation contacts	A telephone dialler, for example
9/10	NTC probe/ Hot water boiler thermostat for domestic hot water boiler	

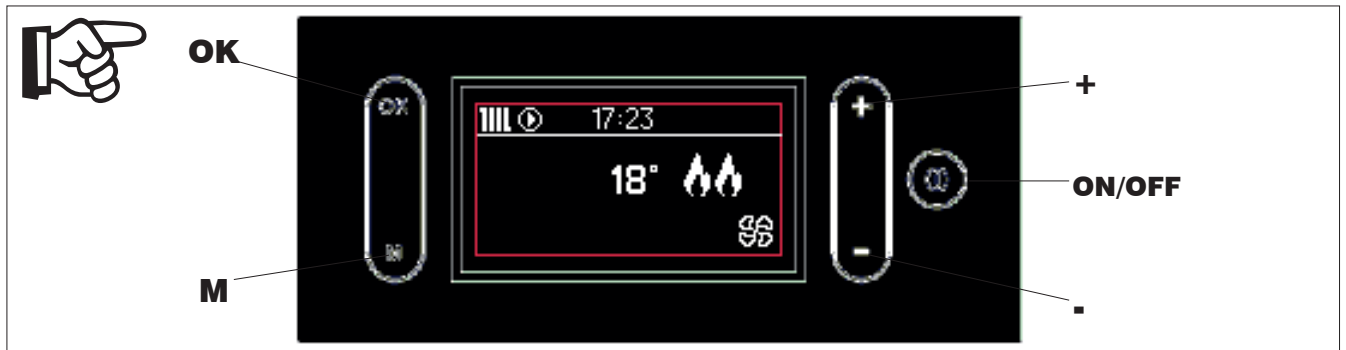
high voltage terminal board

N ^o POLES	POSSIBLE CONNECTIONS	NOTES
1/2/3	Electrical connection for booster/secondary pump (Earth, Neutral/Phase)	
4/5/6	EXTERNAL SOLENOID VALVE (Common, Normally Closed, Normally Open) 4 = Common 5 = Normally Closed 6 = Normally Open	During First Ignition, the technician can set up, into parameters, the connection setting on points 4 and 5, of an external boiler contact or remove alarm.

INTERFACE

The sole interface is the display.

The views display the functions and are described in the following sections

**BUTTONS**

The display has 5 buttons

ON/OFF to switch from the OFF mode to the ON mode. In the menus, it can be used to confirm and return to the main screen.

+/- to increase/decrease the set values or scroll between the Menu options

M: to access the Menu or exit the Menu options

OK to confirm an operation (2 seconds) or to access a Menu option

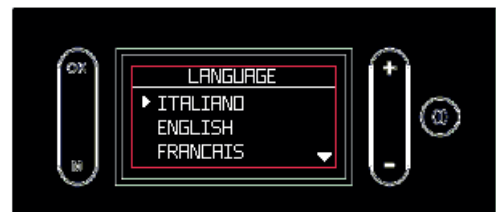
Remote control power saving

The back-lighting goes off after 1' if the display is not used

The display goes off after 3' if it is not used

Press any button to activate it again

If at the first power on the language is not set, the language selection screen will display on the side. Choose the language with the +/- buttons and confirm with OK.

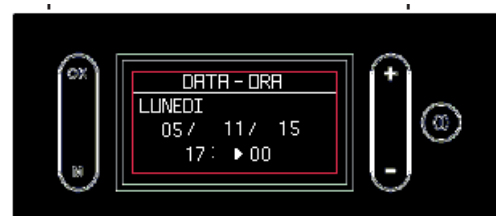


You are now asked to confirm or set the Time and Date.



Once you have confirmed, the display will show the next field.

Set the values with the +/- keys and confirm with OK. The day of the week is calculated automatically using a perpetual calendar.



THE READING AREA OF THE DISPLAY is

divided in two parts:

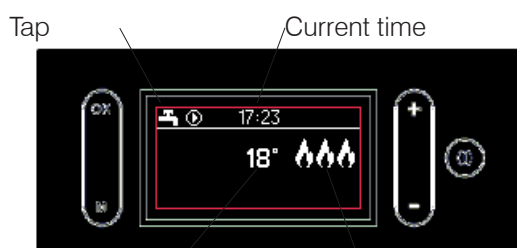
- **the status bar**, above the horizontal line;
- **main area**, under the horizontal line.

The views display the functions and are described in the following sections

**The status bar** contains:

- the symbols of the heat request (radiator, tap, pump activation);
- the current time

Example of domestic hot water request



Room temperature Power indication

If you are using a room thermostat instead of the room probe provided as standard, the display will appear as below. The heat demand is indicated by the radiator symbol.

**The main area** contains:

- the room temperature*
- the operating power of the product (from 1 upwards), which is represented by the flame symbols
- the fan speed, which is represented by the filled blades symbol (if absent, the fan is off).

* The product is programmed by default with a delta of +/- 1 °C to optimise comfort.

The technician can change this setting during commissioning to suit the needs of the application.

The display shows the temperature rounded down. This means that 20.1°C and 20.9°C are indicated as "20".

E.g., with the room temperature set to 20° C, the product will enter modulation mode/switch off when a temperature of 21° C is reached and will switch on again below 19° C.

SIMPLIFIED USE after first ignition

In default mode, with the product connected to the power supply, press the ON/OFF button on the display to "activate" the boiler stove and adjust the desired room temperature with the +/- buttons. The boiler stove will switch on and off and will adjust its power automatically to keep the set temperature.



By pressing the "M" button you access the Menu screen



the product operates with the **POSSIBLE MODES** (described below):

- **OFF MODE**
- **ON MODE**
- **STAND BY MODE**
- **ALARM MODE**

OFF MODE

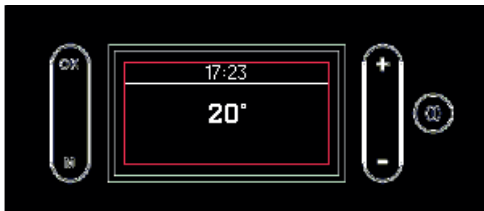
The product is “disabled” and does not produce heat. The product may turn on only for the anti-freeze function (described on this page). You can set the product to the OFF mode by pressing the ON/OFF button on the display. Also an external contact (crono, phone dialler) may switch the boiler stove to the OFF mode.

Pressing the +/- keys has no effect. Pressing the M key displays the Menus.

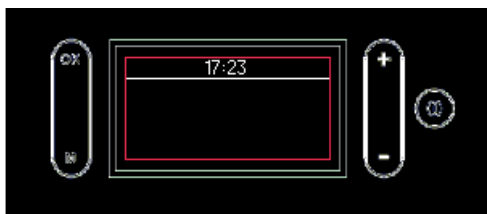
The display shows the current time, room temperature and the status in relation to which the product is OFF.

The product can be in the OFF mode in these cases:

- due to manual operation of the user (with probe)



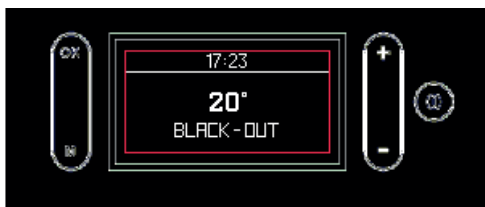
- due to manual operation of the user (with thermostat)



- due to crono



- due to Black Out



ANTI-FREEZE (selectable from the Menu only by the Technical Assistance Centre during commissioning)

Can only be activated from OFF and STAND-BY modes.

The function preserves only the heating circuit, not the domestic hot water circuit.

The anti-freeze has two levels:

- level 1: pump on
- level 2: pump and boiler stove on; it is activated by the anti-freeze mode “level 1” if the probe temperature reads a temperature which is below the Anti-freeze Setpoint.

The activation of the anti-freeze (both level 1 and level 2) is indicated by the symbol “frost” on the display.



From the OFF screen, press and hold the ON/OFF button to go to the ON screen.

ON MODE

The product is “active” and can produce heat. The product can be on/in ignition.

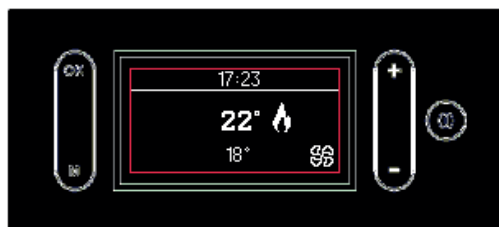
The display shows

- the current time
- the current room temperature (top number in the main area)
- the set room temperature (bottom number in the main area)
- the power level (represented by the flames)
- the fan level (represented by the filling in of the blades)

If the timer programming is active (Crono), the text “TIMER” appears on the right.

The figure below shows the various possibilities.

On without heating demands (Stand By Off)



On with heating demand



On with thermostat Off (Stand by Off)



On with thermostat demand



On with Timer (Stand by Off)



On with Timer



On with domestic hot water demand



ON MODE with STAND BY

In ON mode with STAND BY (the product is “active” but with stand by function enabled) the product turns on only with heating demand. If the Stand By function is active, the display shows the same information as in the ON state without flame (on the top left you will see “STB”).

The LCD shows the following information:

- product mode (STB)
- the current time
- the room temperature (or the mode of the room thermostat)
- the activation of the timer programming if present (Timer/Crono)

The figure below shows the various possible screens on the display

STAND BY



STAND BY WITH THERMOSTAT



STAND BY WITH TIMER



ALARM MODE

In case of Shutdown due to alarm, the display shows the type of alarm. See the paragraph “Troubleshooting”



While in stand-by mode, and ON, the product turns on only if there is a heat request.

If the product was operating, it switches to minimum power and waits for the set time before going off.

If the product was in the ignition phase, it completes the ignition phase and switches to minimum power and waits for the set time before going off.

If the product was OFF and is switched to ON, the stove goes immediately to stand-by without ignition.

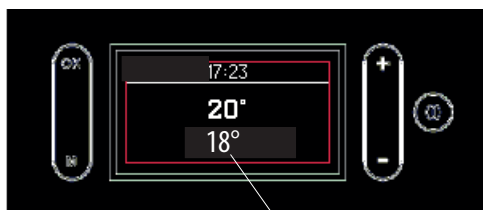
From the display, you can:

- **Switch from OFF to ON modes, by pressing and holding the ON/OFF button**
- **Set the desired room temperature with the +/- buttons (see below)**



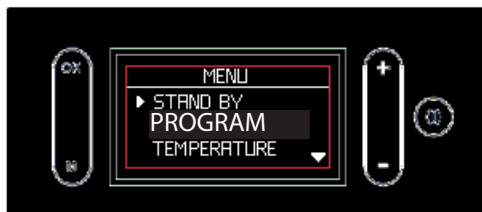
Switching on and off will take a few minutes, during which the flame must appear or go off. Just wait without taking any action. During ignition, the display shows the text "START". During switch-off, the display shows the text "OFF".

In default mode, with the product connected to the power supply, press the ON/OFF button on the display to "activate" the boiler stove and adjust the desired room temperature with the +/- buttons. The boiler stove will switch on and off and will adjust its power automatically to keep the set temperature.



desired room temperature

By pressing the "M" button you access the Menu screen



Accessing the **Menus, you can set the following (described on the following pages)**

- **Stand By**
- **Crono (PROGRAM)**
- **Temperature**
- **Ventilation (AIR VENTILATION)**
- **Pellet Load- SCREW LOAD** (shown only when the product is OFF)
- **Language**
- **Beep**
- **Date / time**
- **Info** (technician only)
- **Pressure**
- **Technical menu** (technician only)

Menu

Press the “M” button to display the menu.

When the menu displays, the buttons have the following functions:

“+” : scroll up

“-” : scroll down

press and release “OK”: enter menu option

press and release “M”: quit menu option

Press the ON/OFF button to confirm and return to the main screen.

Stand by (figures on the side)

When the Stand by function is active, the product shuts off when the temperature setpoint is reached and turns on again when the room temperature drops.

When the Stand By function is not active, the product sets itself to minimum power when the temperature setpoint is reached.

To access the function from the main menu (as indicated in the Menu section above), press the M button. Scroll using the +/- buttons and select the function by pressing the “OK” button.

Use the “+/-” buttons to select OFF or ON.

To exit without saving, press the “M” button.

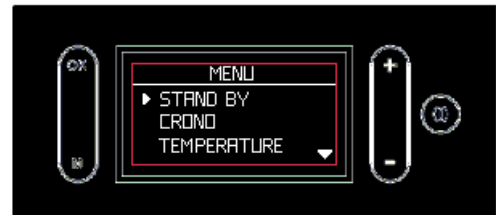
If you selected ON, the display shows the minutes for which the product will continue running at minimum power even when the temperature setpoint has been reached.

Use the “+/-” buttons to increase or decrease this time in minutes.

Confirm by pressing the “OK” button for two seconds.

The display will return to the previous menu level.

Press ON/OFF to quit without saving



Crono - PROGRAM (figures on the side)

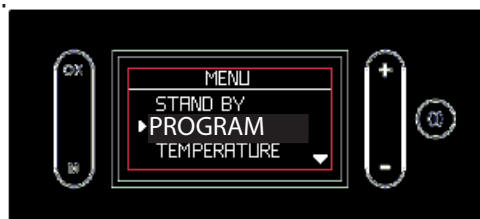
When the Crono function is active, the user sets a temperature setpoint and a time zone for which that setpoint is specified.

The setting takes different steps, which can also be not consecutive:

- activate/deactivate Crono mode
- setting of three different temperature levels (T1 must always be lower than T2 and T2 than T3)
- choose if you want to apply the same timer in Crono mode, 7 days a week, 5 days a week, weekend only or different day by day and match one of the three temperatures to the time period

You can also display the time periods and the set temperatures ("DISPLAY" selectable with the "OK" button from the Crono function).

The ON/OFF button allows you to always return to the main screen.



Activation/deactivation of the Crono function, "ACTIVE" on the display - (figure below)

To access the Crono function from the main menu, press the M button. Scroll using the +/- buttons and select the function by pressing "OK". To select "ACTIVATE" press "OK".

Use the "+/-" buttons to select On/Off, i.e. activate/deactivate the function.

To exit without saving, press the "M" button.

Confirm by pressing the "OK" button for two seconds.

If the Crono function is active, the text "Timer" will appear on the right.



Setting the temperature levels "TEMP" on the display (figures on the side)

To enter the setting ("TEMP" on the display) press the "OK" button.

The Crono has three adjustable setpoints: T1, T2, T3.

You access the temperature by pressing OK.

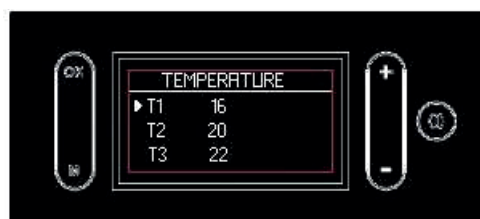
You can change the temperature with "+/-". Press OK to confirm.

Press "+/-" to shift between levels.

T1 must always be lower than T2 and T2 than T3: if you try to set a T1 temperature that is greater than T2, T1 temperature will automatically match T2.

Confirm by pressing the "OK" button for 2 seconds.

NOTE when the arrow is on the temperature, you can move from one T to the next using +/- . When the arrow is on a number (e.g. 16), you can increase/decrease using +/- .



Setting of the time periods, “SET” on the display (figure on the side)

From Crono, press the “OK” button to enter the “SET” function.

The first screen allows you to choose whether to apply the time periods for 7/7 days, 5/7, weekend only or day by day.

The second screen (accessible by pressing the “OK” button from the first screen) allows you to choose the temperature level between T1, T2 and T3.

Press OK to set the start and end of the time period to which you wish to apply the chosen temperature level. This is done in steps of 30’.

The buttons have the following functions:

“+/-”: move **the cursor** indicating the time forwards/backwards. Hold the button down to scroll through the times more quickly.

“OK”: confirm time and increase the temperature level or OFF

“M”: return to the previous Menu

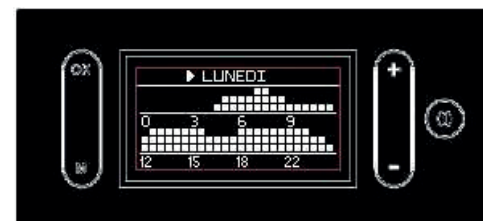
ON/OFF: return to the main screen.

The ignition times are indicated by the white square. In zones with white squares, the appliance is ON.

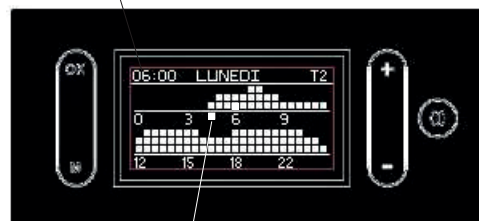
Once the time zones have been set, press “OK” for two seconds to confirm.

You return to the previous screen.

The settings will not be saved otherwise.



time can be set with the “+/-” buttons



cursor

Display the Crono function, "SHOW" (figures on the side)

From Crono, press the "OK" button to enter the "DISPLAY" function.

The buttons have the following functions:

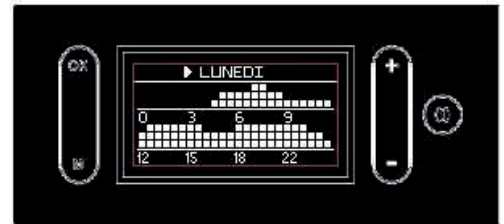
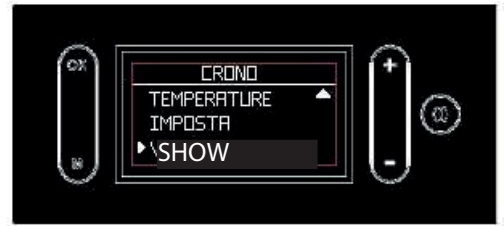
"+": to scroll through the days ahead

"-": to scroll through the days back

"OK": return to the previous menu

"M": return to the previous menu

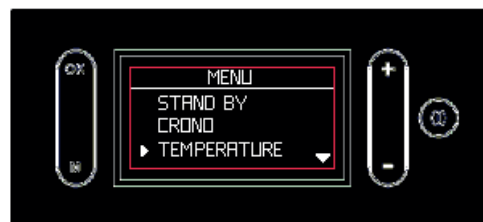
ON/OFF: return to the main screen.



Setting the water Temperature (“TEMPERATURE” on the display)

Allows you to set the boiler temperature and the accumulator temperature. If the external probe is active, it allows you to set the climatic curve instead of the boiler temperature.

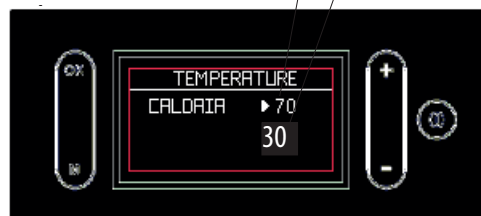
To access the function from the main menu (as indicated in the Menu section above), press the M button. Scroll using the +/- buttons and select the function by pressing the “OK” button.



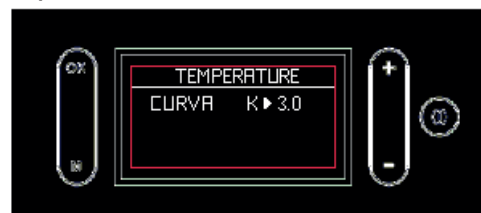
Choose the option with the “+/-” buttons, press “OK” to change the setting

You can set the water temperature in the boiler stove (BOILER on the display)

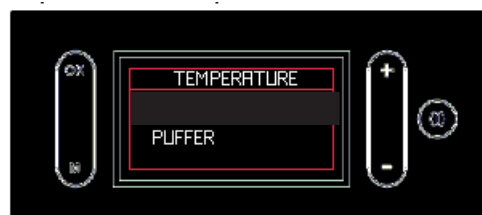
current water temperature in the boiler stove
desired water temperature



In presence of external probe, the water temperature is automatically calculated according to the outside temperature. You can set the curve as shown in the figure at the side (CURVE on the display)



In presence of accumulator tank, you can set its temperature as shown in the figure at the side (PUFFER on the display)



The domestic hot water boiler is set as shown at the side (BOILER on the side of the display)



Load Pellets - SCREW LOAD

Allows you to load pellets after the worm screw has emptied following a no-pellets alarm.

Used by the technician during commissioning.

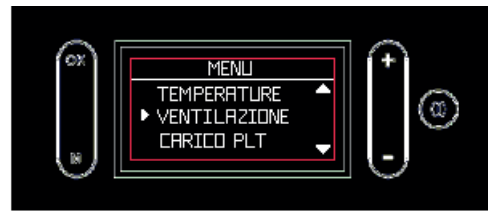
Available only in the OFF state. If you attempt to activate the function in other states, access is not granted.

To access the function from the main menu (as indicated in the Menu section above), press the M button. Scroll using the +/- buttons and select the function by pressing OK.

Use the "+/-" buttons to activate/deactivate the function.

Press "M" to quit without saving.

Confirm by pressing the "OK" button for 2 seconds.



Language

Selects the language.

This appears the first time the display is electrically activated or by entering the menu.

To access the function from the main menu (as indicated in the Menu section above), press the M button. Scroll using the +/- buttons and select the function by pressing OK.

Use the "+/-" buttons to select the language.

To exit without saving, press the "M" button.

Confirm by pressing the "OK" button for two seconds.



Beep

Allows you to enable/disable the beep.
 To access the function from the main menu (as indicated in the Menu section above), press the M button. Scroll using the +/- buttons and select the function by pressing OK.
 Use the “+/-” buttons to select On/Off.
 Press “M” to quit without saving.
 Confirm by pressing the “OK” button for 2 seconds.

Date/Time

Sets the current date/time.
 This appears the first time the display is electrically activated or by entering the menu.
 To access the function from the main menu (as indicated in the Menu section above), press the M button. Scroll using the +/- buttons and select the function by pressing OK.
 Use the “+/-” buttons.
 Press “M” to quit without saving.
 Confirm by pressing the “OK” button for 2 seconds.



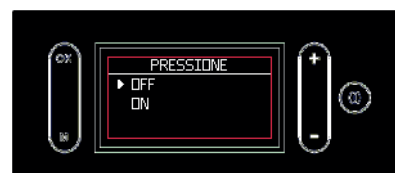
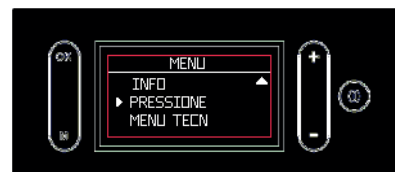
Info

These readings should only be done when requested by the technician.
 The technician understands the diagnostic meaning of the messages and numbers, and may ask you to read them if you experience problems.



Pressure

Allows you to activate/deactivate the visualisation of pressure on the display.



Technical menu

Accessible only to an authorised technician with the appropriate password.

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

- Regular maintenance is required for the boiler to function correctly.

Any problems resulting from lack of maintenance will immediately void the warranty.

When cleaning is necessary, the message “Clean - exchanger” will appear on the panel if further cleaning is necessary.

If the exchanger needs cleaning, the message “Clean -scam.re” appears on the panel.

N.B.

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

DAILY MAINTENANCE (2-3 days)

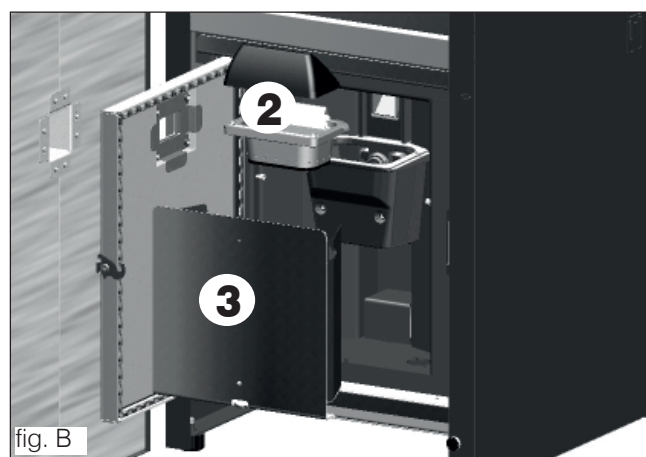
Operations must be performed when the boiler is off, cold and unplugged from the power supply.

Cleaning should be carried out with the aid of a vacuum cleaner, the whole procedure takes up a few minutes.

- Suction clean the door (1 - fig. A).
- Open the door,
- Remove the combustion chamber (2 - fig. B) and empty the residue out into the ash pan.
- Scrap the combustion chamber with the spatula provided, removing any obstructions in the openings.

• DO NOT EMPTY THE RESIDUE OUT INTO THE PELLET HOPPER.

- Take out and empty the ash (3 - fig B) pan into a fire-proof container (the ash may still contain hot parts and/or embers).
- Vacuum clean the inside of the fireplace, the fire surface, the compartment around the chamber where ash falls, and the ash pan.
- Vacuum the combustion chamber holder, clean the edges where the combustion chamber is lodged into its seat.



- Vacuum around the electrical element (4 - fig. C).

ACTIVATE THE BRUSHES TO CLEAN THE EXCHANGERS (*), ALSO WHEN THE STOVE IS LIT, USING THE GLOVE;

- - Shake the cleaning handle positioned under the pellet loading cover (5 - fig. D).

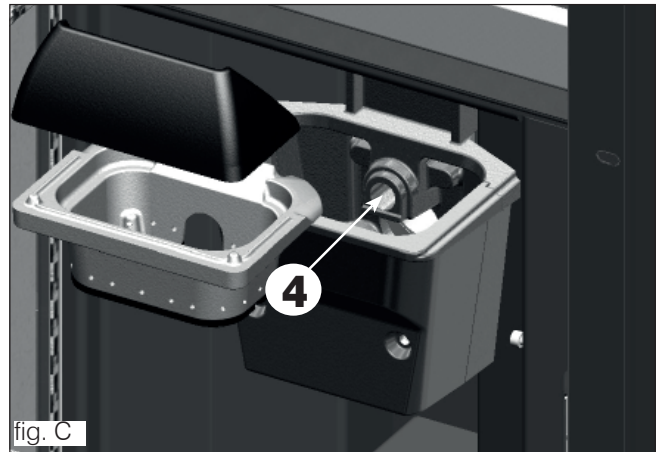


fig. C

NEVER SUCTION HOT ASH, as this could damage the suction device and possibly cause a fire.

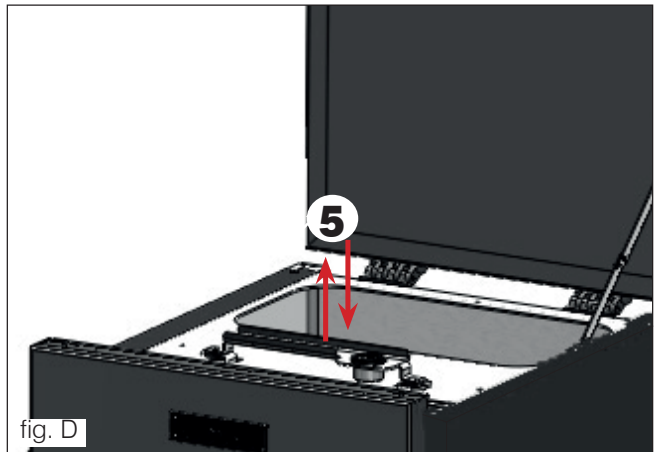


fig. D

ATTENTION: MAKE SURE THE ASH PAN IS CORRECTLY POSITIONED IN ITS HOUSING (3 fig. B)

SEASONAL MAINTENANCE

(to be carried out by the technical assistance centre)

This consists of cleaning the stove inside and out.

If the product is used intensively, we recommend cleaning the smoke duct and flue every 3 months.

You should clean the chimney system at least once a year (check local regulations for details).

If you fail to regularly clean and inspect the system, there is an increased risk of the chimney pot catching fire.

We recommend against using compressed air to clean the combustion air inlet.

SUMMER SHUTDOWN

During the period of disuse, keep the stoves doors, hatches and lids closed.

We recommend emptying out the pellet tank. Place the package of dessicating salts inside the combustion chamber.

SPARE PARTS

for any spare parts, contact your retailer or technician. Using non-original spare parts may damage the appliance and relieves Edilkamin of all liability for damage that may arise from doing this.

Do not make unauthorised modifications.

DISPOSAL

At the end of its service life, dispose of the product as required by regulations.



In accordance with art. 26 of Legislative Decree no. 49 of 14th March 2014, "Implementation of Directive 2012/19/UE on the disposal of electrical and electronic devices (RAEE)".

The crossed-out dustbin symbol displayed on equipment or its packaging indicates that the product at the end of its life must be collected separately from other waste.

At the end of its useful life, the user should therefore deliver the product to a suitable local sorted collection centre for electrical and electronic devices.

Sorted collection for recycling, treatment and environmentally compatible scrapping contributes to the prevention of negative effects on the environment and health, and promotes the re-use and recycling of the materials of which the equipment is made.

**If problems occur, the product shuts itself off automatically.
The display will show the reason (see below).**



Do not disconnect from the power supply.

To start the product up again, allow the shut-down procedure to complete, then press the ON/OFF button.

Before starting the product up again, check the reason for the shutdown and CLEAN THE GRATE.

The product is equipped with a safety valve but, if the grate is not cleaned regularly as explained above, ignition may involve a small detonation. If white smoke forms in the combustion chamber for a long time, disconnect the mains supply and wait 30 minutes before opening the door and emptying out the grate.

SHUTDOWN MESSAGES AND THEIR SOLUTIONS:

MESSAGE	PROBLEM	SOLUTION
H01	displays when the combustion air intake is below the set level	<ul style="list-style-type: none"> • Check that the combustion chamber door is closed • Check the regular maintenance of the stove • Check that smoke discharge and combustion air ducts are clean.
H02	displays when the logic board does not detect the correct smoke fan speed	<ul style="list-style-type: none"> • Contact the technician
H03	displays when the thermocouple detects a smoke temperature lower than the set value and interprets this as the absence of flame	<ul style="list-style-type: none"> • Check that there are pellets in the tank • Check if the water temperature has increased due to the closing of a valve (contact the technician) • Contact the technician
H04	displays when ignition times out unsuccessfully	<p>There are two possibilities:</p> <p>NO flame:</p> <ul style="list-style-type: none"> • Check that the grate is seated properly and is clean • Check that there are pellets in the tank and grate • Use a piece of solid paraffin to light the stove (contact the technician first) <p>Flame present:</p> <ul style="list-style-type: none"> • Contact the technician
H05	Shut down due to air flow rate sensor breakage	<ul style="list-style-type: none"> • Contact the technician
H06	displays when the logic board determines that the smoke temperature probe is broken or disconnected	<ul style="list-style-type: none"> • Contact the technician

TROUBLESHOOTING

MESSAGE	PROBLEM	SOLUTION
H07	Shut-down due to exceeding maximum smoke temperature	<ul style="list-style-type: none"> • Check the type of pellet (contact the technician if in doubt) • contact the technician
H08	Switching OFF due to excessive overheating of the product	<ul style="list-style-type: none"> • see H07
H09	Shut down due to gear motor breakage or seizure	<ul style="list-style-type: none"> • Contact the technician
H10	Switching OFF due to circuit board overheating	<ul style="list-style-type: none"> • Contact the technician
H11	Switching OFF due to the intervention of the safety pressure switch	<ul style="list-style-type: none"> • Ensure the stove and flue are clean • Contact the technician
H12	Room temperature probe failure.	<ul style="list-style-type: none"> • Contact the technician
H13	Shut-down due to breakage of the reading water temperature probe of the boiler stove	<ul style="list-style-type: none"> • Contact the technician
H14	Shut-down due to breakage of the water temperature probe in the boiler	<ul style="list-style-type: none"> • Contact the technician
H15	Shut-down due to exceeding maximum water temperature in the boiler stove	<ul style="list-style-type: none"> • Contact the technician
H16	Shut-down due to breakage of the pressure switch for reading water pressure of the boiler stove	<ul style="list-style-type: none"> • Contact the technician
H17	Shut down due to breakage of external probe	<ul style="list-style-type: none"> • Contact the technician
H18	Shut-down due to breakage of the water temperature probe in the accumulator tank	<ul style="list-style-type: none"> • Contact the technician

IN PRESENCE PELLET LEVEL SENSOR

Pellet level sensor is used to alert customer that pellet is running out and that stove will shutdown in about half-anhour time, showing “OFF” and “PLT” on the display.

Once installed, sensor cannot be turned off by the end user.

WATER OVERHEATING (SHUT-DOWN WITHOUT ALARM)

If the water in the boiler stove reaches a temperature of 85°C, the boiling stove shuts down without switching to alarm mode. The text STBY appears on the display next to the room temperature.

The product is working, but it must be serviced by an authorised Edilkamin technician.

**MAINTENANCE (SIGNAL THAT DOES NOT CAUSE SHUT-DOWN)**

A wrench symbol is shown on the display after 2000 hours of operation.

The product is working, but it must be serviced by an authorised Edilkamin technician.



SAFETY THERMOSTAT

If pellet loading fails, especially after a power failure, check whether the safety thermostat has intervened **(A)**.

If the thermostat has been tripped it must be reset using the reset button behind the boiler after having removed the protective cap **(A)**.

