



**hoşseven**  
ISI VE YALITIM SAN. TİC. AŞ.



**hoşseven**  
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**AIR PELLET STOVES  
USER and INSTALLATION MANUAL  
VIOLET / JESSAMINE / P 13**

ENGLISH



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ISI VE YALITIM SAN. TİC. AŞ.



**VIOLET NEW**



**P13**



**VIOLET**



**JESSAMINE**



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

*Hoşseven Isi & Yalıtım San.Tic.A.Ş*

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## WARNINGS

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

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

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

After removing the packaging, ensure that the content is intact and complete. Otherwise, contact the dealer where the appliance was purchased.

All electric components that make up the product must be replaced with original spare parts exclusively by an authorised after- sales centre, thus guaranteeing correct functioning.

## SAFETY

- The generator must not be used by persons (including children) with reduced physical, sensory and mental capacities or who are unskilled persons, unless they are supervised and trained regarding use of the appliance by a person responsible for their safety.
- Children must be checked to ensure that they do not play with





the appliance.

- Do not touch the generator when you are barefoot or when parts of the body are wet or damp.
- The safety and adjustment devices must not be modified without the authorisation or indications of the manufacturer.
- Do not pull, disconnect, twist electric cables leaving the stove, even if disconnected from the electric power supply mains.
- It is advised to position the power supply cable so that it does not come into contact with hot parts of the appliance.
- The power supply plug must be accessible after installation.
- Do not close or reduce the dimensions of the airing vents in the place of installation. The airing vents are essential for correct combustion.
- Do not leave the packaging elements within reach of children or unassisted disabled persons.
- The hearth door must always be closed during normal functioning of the product.
- When the appliance is functioning and hot to the touch, especially all external surfaces, attention must be paid
- Check for the presence of any obstructions before switching the appliance on following a prolonged period of inactivity.
- The generator has been designed to function in any climatic condition (even critical). In particularly adverse conditions (strong wind, freezing) safety systems may intervene that switch the generator off. If this occurs, contact the technical after- sales service and always disable the safety systems.
- In the event the flue catches fire, use suitable systems for suffocating the flames or request help from the fire brigade.
- This appliance must not be used to burn waste
- Do not use any flammable liquids for ignition
- During the filling phase do not put the bag of pellets to into contact with the product
- The enamel products are top quality artisan products. These features highlight their valuable nature. Due to their different dilation coefficient, they produce crackling, which demonstrate their effective authenticity. To clean the majolicas, it is recommended to use a soft, dry cloth. If a detergent or liquid is used, the latter could penetrate inside the crackles, highlighting them.



## ROUTINE MAINTENANCE

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

## REFERENCE STANDARDS

The installation must be in compliance with:

**Hosseven** products are manufactured according to the directives:

- 89/106 EEC construction materials
- 73/23 EEC electrical safety
- 2006/42/ EEC machinery
- 2004/108 EEC electro-magnetic compatibility

And according to the standards:

- EN 14785
- EN 60335.1 EN 50165
- EN 55014.1 EN 61000-3-2 EN 61000-3-3
- EN 55014.2

## NATIONAL, REGIONAL, PROVINCIAL AND TOWN COUNCIL REGULATIONS

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

## SAFETY DEVICES



<b>SAFETY DEVICES</b> Key: * = present, - = not present	<b>GENERATOR</b>
<b>door micro switch:</b> With the door open, the operation of the burn pot cleaning system is blocked	-
<b>electronic pressure switch:</b> in the event of inadequate depression, it sends the machine in alarm conditions	*
<b>f 3 A 250 V AC fuse(stoves):</b> protects the machine from violent current surges	*
<b>85°C calibrated mechanical bulb with manual rearm:</b> intervenes by blocking fuel feed if the pellet tank t° reaches the limit of 85°C. <b>Rearm must be performed by qualified staff and/or the manufacturer's technical after-sales assistance.</b>	*
<b>Pellet tank temperature control probe:</b> if the tank overheats, the machine automatically modulates to return to normal temperature values (* in the applicable models)	*
<b>Mechanical air pressure switch:</b> blocks the pellet in the event of insufficient depression (in the relevant models)	*

## TERMS AND DEFINITIONS

**Aeration:** Air renewal is required both for the disposal of the combustion products, and to prevent mixtures with a hazardous content of non-combusted gases.

**Closed hearth appliance:** Appliance designed for operation with closed combustion chamber.

**Forced draught appliance:** Appliance with ventilation in the fumes circuit and combustion with fumes flow at a positive pressure with respect to the environment.



**Chimney:** structure consisting in one or several walls containing one or several outflow airways. The purpose of this predominantly vertical element is to expel the combustion products at a convenient height from the ground.

**Smoke duct:** Component or components that connect the outlet of the heat generator to the chimney.

**Chimney cap:** Device that placed on the chimney outlet allows the dispersion of the combustion products even in presence of adverse weather conditions.

**Condensation:** Liquid products which form when the fumes temperature is lower or equal to the water dew point.

**Ducting pipe:** pipe made up of one or several predominantly vertical elements, specifically suitable for collecting and expelling the fumes, as well as to withstand the relative components and any condensate over time, suitable to be installed in a chimney, existing or new technical compartment, even in new buildings.

**Sealed installation:** Installation of an appliance with sealed operation, so that all the air required for combustion is taken from outside.

**Maintenance:** set of procedures required to ensure and maintain safety and functionality over time and maintain the efficiency of the system within the prescribed parameters.

**Chimney system:** Chimney installed using a combination of compatible components, manufactured or specified by a sole manufacturer whose product liability covers the entire chimney.

**Fumes exhaust system:** Flue gas exhaust system, independent from the appliance made up of a smoke duct, chimney or individual flue and chimney cap.

**Radiation area:** Area immediately in front of the hearth in which the radiant heat caused by combustion is diffused.

**Reflux area:** Area beyond the extrados of the roof in which



overpressure or depressions occur, which may affect the proper discharge of the combustion products.

## **INSTALLATION**

### **INSTALLATIONS NOT ALLOWED**

Installation in premises with fire hazards is forbidden. Installation in residential premises (except for sealed operation appliances) is also forbidden:

- ☐ in which there are liquid fuel-operated appliances with continuous or intermittent operation, which draw the combustion air in the room in which they are installed, or
- ☐ in which there are type B gas appliances intended for room heating, with or without production of domestic hot water and in adjacent and adjoining premises, or
- ☐ in which, in any case, the depression measured during installation between the internal and external environment is greater than 4 pa

### **Installations in bathrooms, bedrooms and studio flats**

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

### **Installation premises requirements**

The support surfaces and/or points must have a suitable load-bearing capacity to support the weight of the appliance, of the accessories and coatings.

The adjacent, side and rear walls and the supporting surface must be made of non-combustible material. Installation near combustible materials or those sensitive to heat is permitted as long as there is a suitable safety distance, which for pellet stoves is equal to:



REFERENCES	INFLAMMABLE OBJECTS	NON INFLAMMABLE OBJECTS
A	200 mm	100 mm
B	1500 mm	750 mm
C	200 mm	100 mm

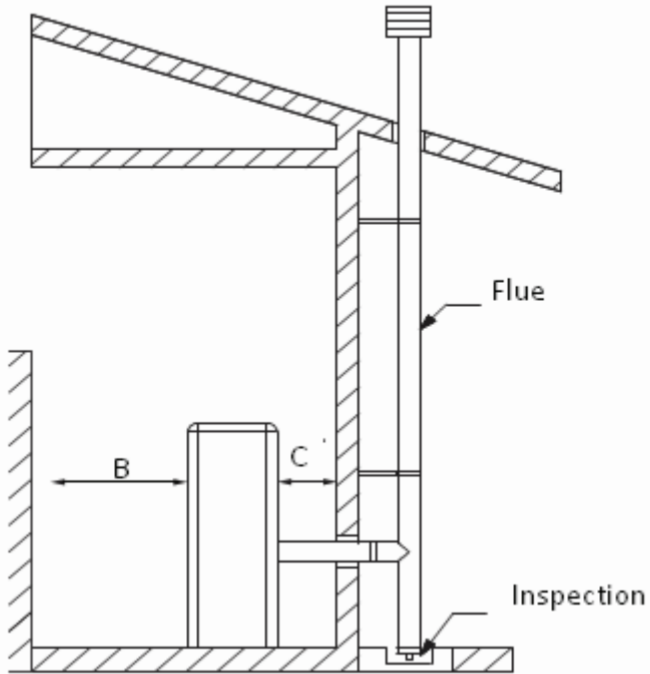


figure 1

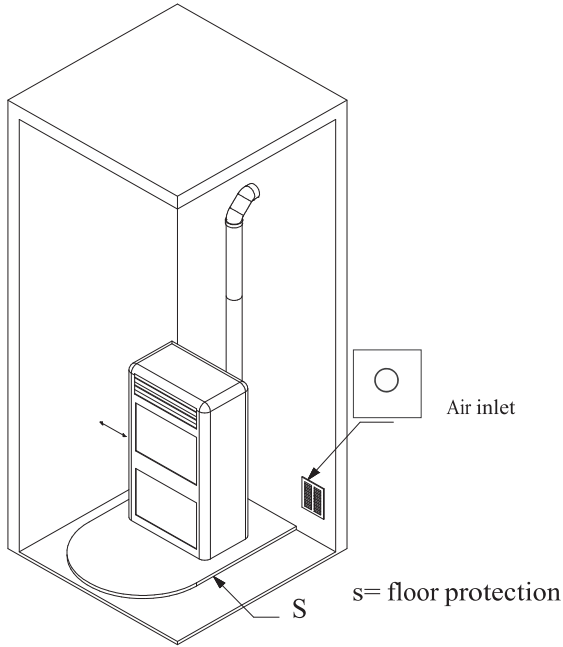


figure 2

In any case the temperature of the adjacent combustible materials must not reach a temperature equal to or greater than the room temperature increased by 65°C.

the minimum volume of the premises in which to install the appliance must be greater than 15 m<sup>3</sup>.

## VENTILATION AND AERATION OF THE INSTALLATION PREMISES

Ventilation is deemed sufficient when the room is equipped with air inlets according to the table:

**air inlet** see figure 2



Appliance categories	Reference standard	Percentage of the net opening section with respect to the appliance fumes outlet section	Minimum net opening value of the ventilation duct
pellet stoves	EN 14785	-	80 cm <sup>2</sup>
Boilers	EN 303-5	50%	100 cm <sup>2</sup>

In any case ventilation is deemed sufficient when the pressure difference between the external and internal environment is equal to or less than 4 pa.

In the presence of type B gas appliances with intermittent operation not intended for heating, they must have their own aeration and/or ventilation opening. the air inlets must meet the following requirements:

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

the flow of clean, uncontaminated air can also be obtained from a room adjacent to that of installation (indirect aeration and ventilation), as long as the flow takes place freely through permanent openings communicating with the outside.

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

## **FUMES EXHAUST SYSTEM**

### **GENERAL REQUIREMENTS**

the heat generator works in a vacuum and has an output fan for fume extraction. each appliance must be connected to a suitable fumes exhaust system and ensure adequate dispersion of the combustion products into the atmosphere. the combustion products must be discharged above the roof. Direct discharge from the wall or towards closed spaces is forbidden, even with clear skies.

In particular, it is forbidden to use flexible and extendible metal pipes.





the chimney should only receive the exhaust of the smoke duct connected to the appliance; collective flues or conveying exhausts from hoods above cooking appliances of any kind, or exhausts from other generators into the chimney itself or smoke duct are not allowed.

the smoke duct and the chimney must be connected with a continuity solution, in order to prevent the chimney from resting on the appliance.

It is forbidden to have other air supply channels and pipes for plant engineering transit inside the fumes exhaust systems, especially if oversized.

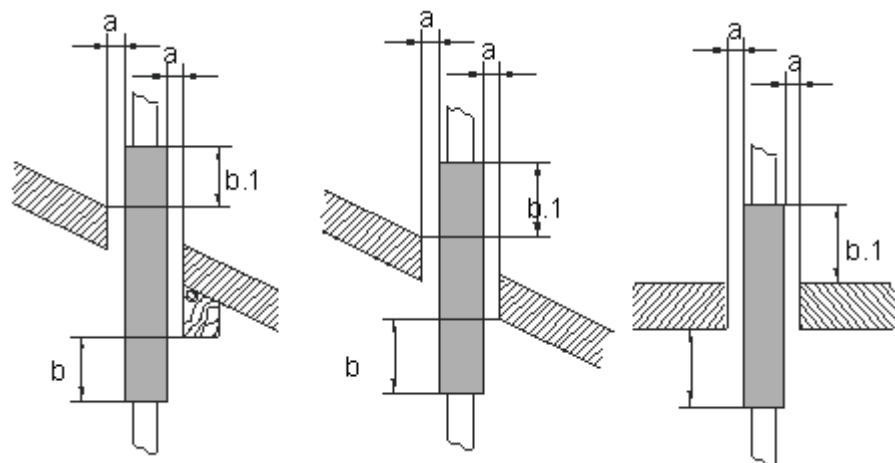
the components of the fumes exhaust system must be chosen in relation to the type of appliance to be installed in compliance with:

- Metal chimneys should be in accordance with the relevant standard mentioned on the fifth page
- temperature class;
- pressure class (fumes seal) at least equal to the seal required for the appliance;
- moisture resistance (resistance to condensation);
- class or level of corrosion and specification of the materials constituting the inner wall in contact with the fumes.
- soot fire resistance class;
- minimum distance from combustible materials
- Where due to high efficiency a pellet stove has fumes at a temperature of less than 160°C + ambient (see technical data) it must be resistant to moisture.

the installer of the fumes exhaust system, once the installation is complete and the relevant checks and inspections have been made, must fix the chimney plaque supplied by the manufacturer with the product in a visible manner, near the fireplace, and which must be completed with the following information:

- nominal diameter;
- distance from combustible materials, indicated in millimetres, followed by the arrow and flame symbol;
- installer data and date of installation.

Every time one must cross combustible materials, the following indications must be complied with:



b SYMBOL	DESCRIPTION	QUOTA (mm)
b	Minimum distance of combustible materials from the intrados of the framework/floor/wall	500
b.1	Minimum distance of combustible materials from the extrados of the framework/floor	500
a	Minimum distance from combustible materials defined by the manufacturer	G(xxx)
the single wall pipes are indicated in white.the insulated double wall chimney systems are indicated in grey.		
one can disregard the quota only in the event of using an appropriate heat protection screen (for example: wall plate) to protect the intrados of the framework/floor		

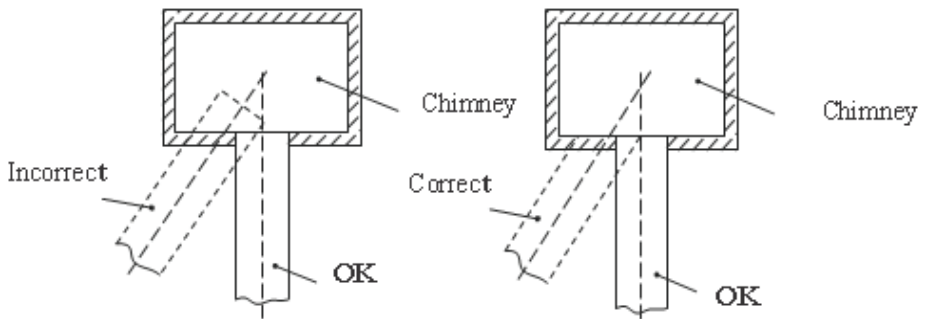


## SMOKE DUCT

### General requirements

The smoke ducts must be installed in compliance with the following general requirements:

- be equipped with at least one sealed outlet for eventual fumes sampling;
- they must be insulated if they cross through rooms that are not to be heated or outside the building;
- they must not cross rooms in which the installation of combustion appliances is forbidden, nor in other premises compartmentalised against fire or with a fire hazard, nor in rooms and/or areas that cannot be inspected;
- they must be installed so as to allow normal thermal expansion;
- they must be fitted to the opening of the chimney without protruding inwards;
- the use of flexible metal pipes to connect the appliance to the chimney is not allowed;



counter-slope sections are not allowed;

- the smoke ducts must have, along their entire length, a diameter that is no less than that of the attachment of the appliance exhaust pipe; any section changes are allowed only on the inlet to the chimney;
- they must be installed so as to limit the formation of condensation

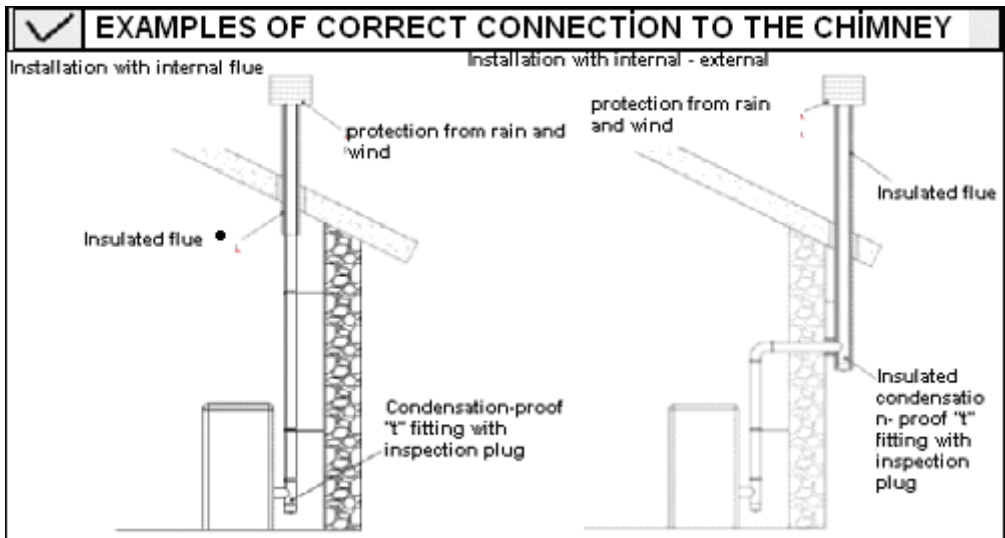


- and prevent their release from the joints;
- they must be positioned at a distance no less than that indicated in the product specifications from combustible materials;
- the smoke channel/duct must allow to collect the soot and to be cleaned using a swab and inspected after being disassembled, or through inspection openings when not accessible from inside the appliance.

## **ADDITIONAL REQUIREMENTS FOR APPLIANCES FITTED WITH AN ELECTRIC FAN FOR FUMES EXPULSION**

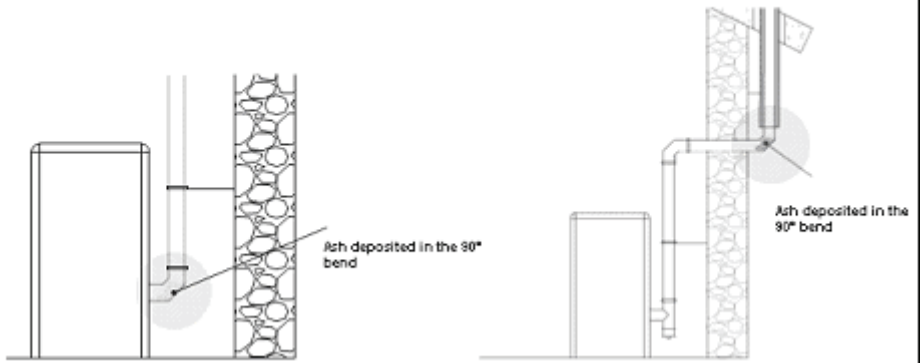
For the heat generator appliances equipped with electric fan for expelling fumes, the instructions below must be followed:

- the horizontal sections must have a minimum upward slope of 3%
- the length of the horizontal section must be minimal and, in any case, no longer than 3 metres
- the number of direction changes including the one due to the use of the "T" element must not be more than 4.

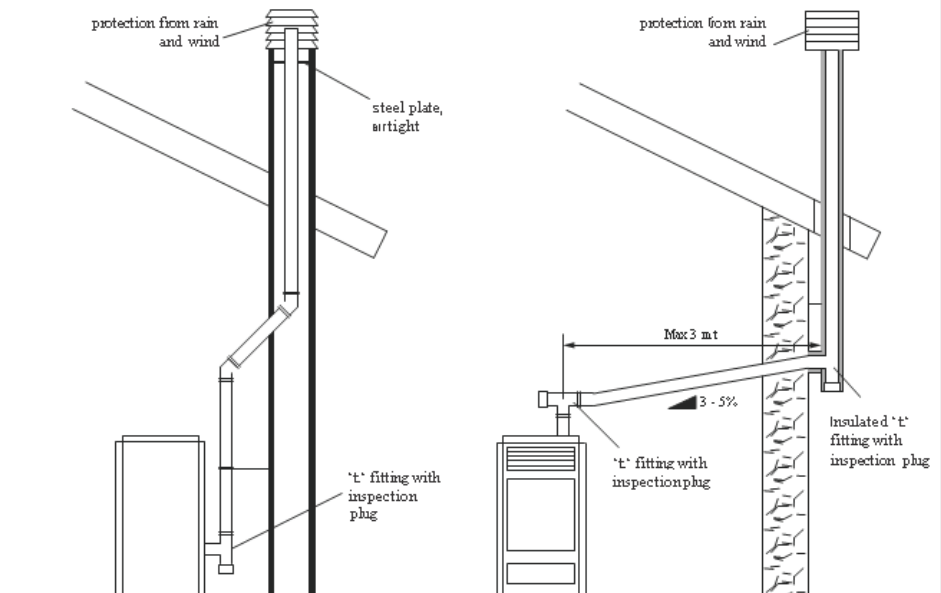




IT IS NOT RECOMMENDED TO INSTALL A 90° BEND AS THE FIRST INITIAL PART, SINCE THE ASH WOULD BLOCK THE PASSAGE OF THE FUMES IN A SHORT TIME, CAUSING PROBLEMS TO THE GENERATOR DRAUGHT :



#### EXAMPLES OF CORRECT CONNECTION TO THE CHIMNEY



it is mandatory to use airtight pipes.



## Chimney

In addition to the general requirements, the chimneys for releasing combustion products into the atmosphere must:

- operate under negative pressure (operation under positive pressure is not allowed);
- have a preferably circular internal section; square or rectangular sections must have rounded corners with a radius of no less than 20 mm (hydraulically equivalent sections may be used, as long as the ratio between the longer side and the shorter side of the rectangle, which circumscribes the section, is in any case no greater than 1.5);
- be designed for fumes be designed for fumes expulsion;
- be predominantly vertical and have no narrowing along their entire length;
- have no more than two direction changes with a slope angle no greater than 45°;
- be fitted with, in the event of operating in damp conditions, a device for reflux drainage (condensation, rainwater);

## COMBUSTION PRODUCTS OUTLET QUOTA

The outlet quota is determined by measuring the minimum height between the roof covering and the lower point of the fumes expulsion section into the atmosphere; this quota must be outside the reflux area and at an adequate distance from obstacles which hinder or make the expulsion of the combustion products difficult or from openings or accessible areas.

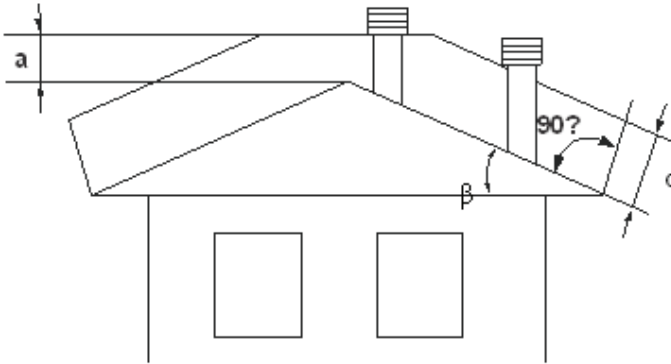
### Reflux area

The outlet quota must be outside the reflux area calculated according to the indications below. near the ridge one considers the lowest between the two.





### Buffer area for outlet quota



### Clear area for outlet quota above the roof slope ( $\beta > 10^\circ$ )

REFERENCE	DESCRIPTION	CLEAR AREA (mm)
c	Distance measured at $90^\circ$ from the roof surface	1300
a	Height above the ridge of the roof	500

The outlet of a chimney/ducted system must not be near obstacles that may create turbulence areas and/or prevent proper expulsion of combustion products and maintenance operations to be carried out on the roof.

Verify the presence of other chimney caps or skylights and dormers.



## **FUMES EXHAUST SYSTEM PRODUCT REQUIREMENTS**

### **Temperature class**

In the event of a pellet appliance, temperature classes below  $T_{200}$  are not allowed.

### **Soot fire resistance class**

The fumes exhaust system interlocked with appliances supplied by solid fuels require soot fire resistance, and the specification must be indicated by the letter G followed by the distance from combustible materials in millimeters (XX) (in compliance with EN 1443:2006) .

In the event of pellet appliances, the fumes exhaust systems must be airtight; if double designation elements are used (G and o, with or without seal elastomer) for connecting the appliance to the chimney, one must comply with the minimum distance XX in millimeters, indicated for designation G; in the event of fire due to soot, one must ensure the restoration of the initial conditions (by replacing the gaskets and damaged items and cleaning those remaining in use).

### **ignition tests**

operation of the appliance must be verified with an ignition test, i.e.:

- for mechanical feed appliances, one must complete the ignition test, verify proper operation for at least the next 15 minutes and adjust the switch-off;





## TECHNICAL INSTALLATION DOCUMENTATION

When installation is complete, the installer must provide the owner or person acting for him, according to the legislation in force, with the declaration of conformity, supplied with:

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

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

### Installation performed by several parties

If the individual installation steps are carried out by different parties, each must document the work carried out for the customer and the for the operator working on the next step.

## INSPECTION AND MAINTENANCE

### Frequency of operations

Maintenance of the heating system and of the appliance must be carried out on a regular basis according to the table below:

TYPE OF APPLIANCE INSTALLED	<15kw
pellet operated appliance	1 year
Water operated appliances (closed fireplaces, thermo-stoves, thermo-kitchens)	1 year
Boilers	1 year
Fumes exhaust system	4 t of fuel used

*For further details refer to the "cleaning and maintenance" chapter.*



## **Inspection and maintenance report**

At the end of the inspection and/or maintenance operations, a report must be issued and released to the owner, or person acting for him, who must confirm its receipt in writing. the report must indicate the situations encountered, the action taken, any components replaced or installed and any comments, recommendations and requirements. the report must be kept with the relative documentation.

In the inspection and maintenance report one must mention:

- anomalies detected that cannot be removed, which pose a risk to the safety of the user or serious damage to building;
- components that have been tampered with.

If anomalies as per above were detected, the owner, or person acting for him, must be warned in writing, in the maintenance report, to refrain from using the system until the safety conditions have been fully restored.

the inspection and maintenance report must include the main information of the technician or company who performed the inspection and/or maintenance operations, with their contact details, date of intervention and the signature of the operator.



## PELLETS AND FEEDING

Pellets are made by applying high pressure to sawdust, or wood waste products (not containing paint) from sawmills, carpentry and other activities related to processing and working with wood. Given that it does not use any glue to hold it together this type of fuel is completely environmentally friendly. In fact the compactness of the pellets over time is guaranteed by a natural substance found in the wood itself: wood coal. In addition to being an environmentally friendly fuel in that it pushes wood residues to the limits pellets also have technical advantages. While wood has a calorific value of 4.4kWh/kg. (with 15% humidity after around 18 months of seasoning) the calorific value of pellets is 5 kWh/kg. Pellet density is 650kg/m<sup>3</sup> and the water content is equal to 8% of its weight. For this reason they do not require seasoning in order to arrive at a sufficiently adequate degree of heat yield.

The pellets used must comply with the characteristics described by the following standards:

- ☐ EN PLUS - EN 16961 - 2 class a1 or a2
- ☐ Ö-NORM M 7135
- ☐ DIN PLUS 51731

The manufacturer always recommended using pellets with a diameter of 6 mm-8mm with its products.

### **Pellet storage**

In order to ensure problem-free combustion pellets must be stored in a dry place.

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



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



## THE KEYBOARD REMOTE CONTROL

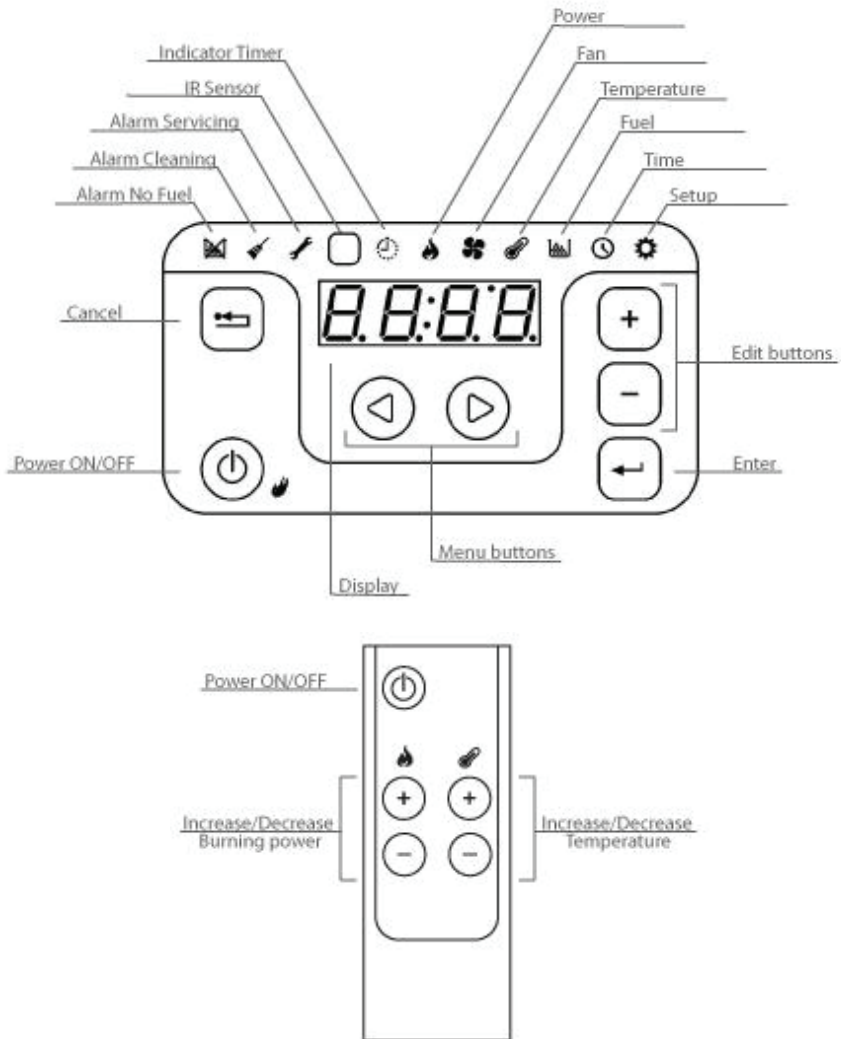


Figure: Keyboard and remote control



The Fumis ALPHA capacitive touch keyboard is designed intuitively. It enables users at home to operate with the Fumis ALPHA controller.

**Note**

For best performance keep the keyboard clean. Stains (for example, grease) on the buttons can send the signal that the button was pressed.

The Fumis ALPHA infrared remote control is intended for day-to-day use when the combustion system is fully configured and operational. It is used for modifying the burning power and temperature settings, and enables you to turn the combustion system on or off. The remote control unit is optional.

At the top of the Fumis ALPHA keyboard are located indicators for various alarms, timer mode operation, and menus. The IR sensor is used for remote control unit.

The display shows the set or current values for the currently selected menu option. With buttons you can navigate through the menu and control the operation of the Fumis ALPHA controller. Refer to the *Table 2: Fumis ALPHA keyboard buttons* on page 93 for descriptions of the buttons.

The Fumis ALPHA keyboard is also equipped with the beeper, which provides the keyboard feedback signals. The following sound signals are available:

- Short high tone: sounds when navigating the menu and editing the settings
- Long low tone: sounds in case of an invalid operation (wrong button pressed)
- Long high tone: in case of an alert, this tone sounds with the user defined loudness, and in

case of an error, this tone sounds with 100% loudness. For description of alerts and errors, refer to chapter










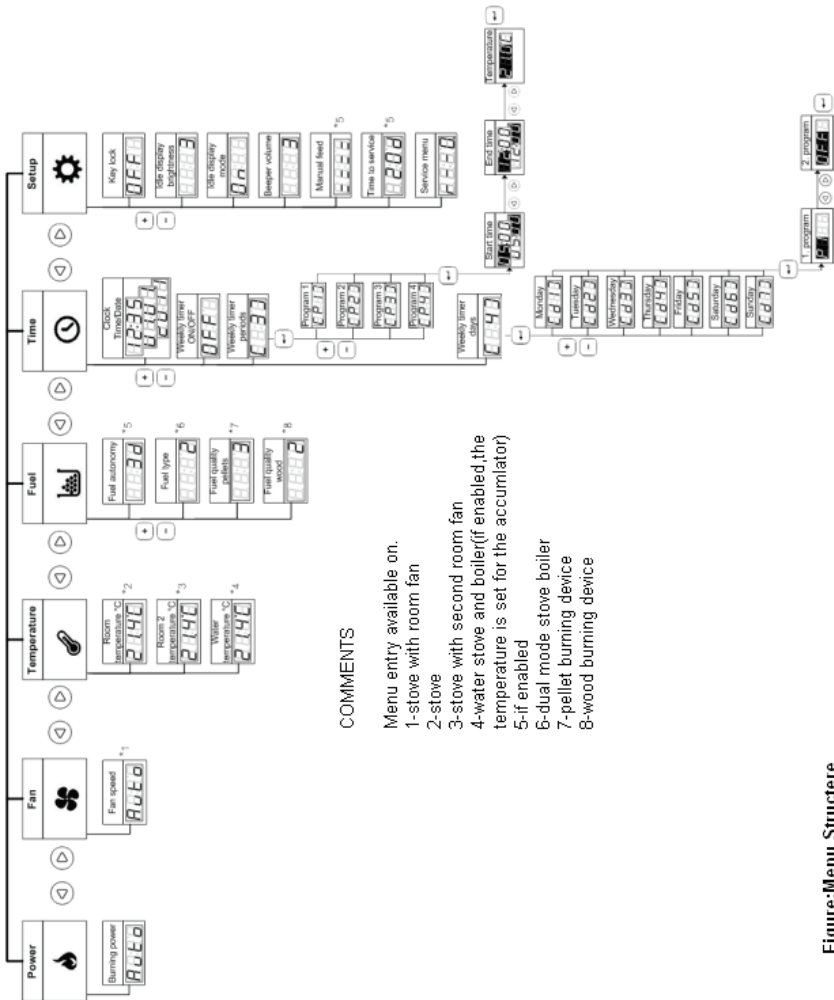
Button	Description
	Power ON/OFF button is used for turning the combustion system on or off. Press and hold the button for 1 second.
 	Menu buttons are used for navigating the first level menu context. The currently selected menu context is indicated with the corresponding icon at the top. In addition, these buttons are used in the edit mode.
 	Edit buttons are used for navigating the submenus and increasing/decreasing values in the edit mode, when the selected value blinks.
	Enter button is used for entering the edit mode and confirming the set values, or selecting the additional submenus.
	Escape/Cancel button is used for discarding the changes and returning up one level in the menu. If you press and hold this button for more than 3 seconds, the last error or alert code is displayed.

Table 2: keyboard buttons

## Menu structere



**Figure:Menu Structere**





### Note

The Fumis ALPHA menu structure depends on the configuration and options. The menu structure in Figure shows all possible menu entries. Depending on the selected configuration, some entries are not available. In such cases the menu entry is not included and submenus are renumbered accordingly.

The display values are for representational purposes only and may differ from the actual display values.

### Navigating the menu

To navigate the first level menu context use the left and right arrow buttons. The selected menu context icon is lit. The display shows the setting for the first submenu entry.

To navigate the second level menu (the submenu), use the plus and minus buttons to move up and down. The menu structure in the figure is inverted, so it may seem you are moving down the menu, but you are actually going up. For easier navigation through the second level menu, the corresponding entry number in brackets is displayed briefly.

To modify a setting in the menu, press the Enter button to enter the edit mode for the selected setting. The display value starts blinking. Use the plus and minus buttons to change the value. To move through the steps in the edit mode, use the left and right arrow buttons. When finished, press the Enter button to save the setting and exit the edit mode. The display returns to the menu entry you edited.

The display shows the set value, or the actual value, depending on the setting. For example, when you edit the temperature, you enter the desired room temperature. After you exit the edit mode, the display shows the actual temperature (which may differ from the set temperature). When you edit the fuel quality setting, the display shows the set value.

To enter the third level menu, press the Enter button and then use the plus



and minus buttons to move between the entries. The procedure for modifying the settings is the same as in the second level menu.

To exit the edit mode without saving the changes, press the Cancel button. This button is also used for returning up one level in the menu. For example, if you are editing the Program 3 in the Weekly Timer Periods menu entry, press the Cancel button to discard the changes and return to Program 3. Pressing the Cancel button moves to Weekly Timer Periods, then to Clock, and then to Burning Power in the Power menu context.

### Setting the clock

The Fumis ALPHA keyboard enables you to set the current time and date.

To view the current time, press the menu button to enter the *Time* context. The current time is shown on display.

To set the time and date, in the *Time* context press the Enter button. The hour value is blinking. With the edit buttons set the desired hour. Then press the right menu button. The minute value is blinking. Set the desired minute. Press the right menu button and set the date in the same manner. The date is set in the format dd.mm.yyyy. Then press the right menu button and set the day of the week. Set the corresponding number between 1 (Monday) and 7 (Sunday). Confirm the time and date settings by pressing Enter.



### Setting the room temperature

With the Fumis ALPHA controller you have two options for setting the room temperature. You can:

- Use weekly timer programs



- Set or modify the room temperature manually

Using the weekly timer programs you can fully automate the operation of your combustion system and little or no user intervention is required. For more information refer to chapter *Setting the weekly timer programs* on page 32.

You can also set or modify the room temperature manually. If you are using the weekly timer programs, this enables you to temporarily override the program settings. The program settings are reset when conditions, set with the timer, are met (for example, end time is reached and the combustion system turns off).

To view the current room temperature, press the menu button to enter the *Temperature* context menu. The current room temperature value is shown on the display.

To set the desired room temperature, in the *Temperature* context menu press the Enter button. The display shows the set target temperature in the edit mode (the value is blinking). You can increase or decrease this value with the Edit buttons. When finished, press the Enter button to confirm the set temperature. The display shows the current room temperature.

**Note**

You can also use the remote control to set the desired room temperature.



### Setting the output power

The Fumis ALPHA controller regulates your combustion system for optimum performance. You can override these settings and modify the burning power to reach the desired room temperature faster, or conserve fuel. The burning power setting influences the fuel feeder and fan speed settings.

Combine the burning power and fan speed settings to best suit your requirements. Note that if you set the burning power to *Hi*, the fan speed setting automatically sets to *Hi*.

The burning power setting represents the maximum burning power the combustion system will use to heat up the environment. When the set temperature setting is reached, the burning power is decreased



automatically.

To view the current burning power, press the menu button to enter the *Power* context. The current burning power level value is shown on display.

For faster heating up to the desired room temperature you can increase the burning power setting. In the *Power* context press the Enter button. The display shows the burning power in the edit mode (the value is blinking). You can increase or decrease this value with the Edit buttons. When finished, press the Enter button to confirm the set burning power. Display shows the current burning power level. The fuel feeder is dosing the fuel faster and the heat exchange fan operates faster to increase the output power. However, the fuel efficiency is lower.

To conserve with fuel and energy, you can decrease the burning power setting. The fuel feeder and fan will operate slower and the set room temperature is reached slower.

**Note**

You can also use the remote control to set the desired burning power.

### **Setting the weekly timer programs**

The Fumis ALPHA controller enables you to set the weekly timer programs to automate the operation of the combustion system. You can set six different programs and select three programs for each day of the week. The program defines the start time, the end time, and the desired temperature.

To set a program, press the menu button to enter the *Time* context and then press the edit button to select the *Weekly timer periods*. The display shows (3). Press Enter to select *Program 1*, display shows (P1), and then press Enter again to access the edit mode for Program 1. The start time hour value is blinking. With the edit buttons set the desired start time hour. Then press the right menu button. The start time minute value is blinking.

Set the desired start time minute. Press the right menu button and set the desired end time. Then press the right menu button to set the desired room temperature for the selected time period. Confirm the program settings by pressing Enter. Repeat the procedure to set the programs.



Example:

Program 1		Program 2		Program 3	
ON	OFF	ON	OFF	ON	OFF
05:30	07:30	08:00	11:30	12:00	23:00
16°C		18°C		19°C	
Program 4		Program 5		Program 6	
ON	OFF	ON	OFF	ON	OFF
17:00	23:00	20:00	22:30	04:00	07:00
18°C		17°C		15°C	

To set the programs for each day of the week, press the menu button to enter the *Time* context and then press the edit button to select the *Weekly timer days*. The display shows (4). Press Enter to select *Monday*, display shows (d1), and then press Enter again to access the edit mode for Monday. The 1. program value is blinking. With the edit buttons set the desired program. Then press the right menu button. The 2. program value is blinking. Set the desired program. Confirm the program settings by pressing Enter. Repeat the procedure to set the programs for all weekdays.

Example:

DAY/HOUR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
(d1) Monday							16°C												18°C					
(d2) Tuesday							16°C												18°C					
(d3) Wednesday							16°C												18°C					
(d4) Thursday							16°C												18°C					
(d5) Friday							16°C												18°C					
(d6) Saturday							15°C			18°C									17°C					
(d7) Sunday							15°C			18°C									19°C					

To enable or disable the operation of the combustion system with the weekly timer programs, press the menu button to enter the *Time* context and then press the edit button to select the *Weekly timer ON/OFF*. Press Enter and toggle the weekly timer on or off. If you disable the weekly timer operation, set the combustion system operation manually.



**Example:**

You can disable the weekly timer programs in the time of vacations.

### **Setting the fuel options**

The *Fuel* menu context shows the fuel autonomy and enables you to select the fuel quality. In the combined wood/pellet combustion systems, you can select the wood or pellet fuel type.

You can optimize the burning and feeder options based on the type and

Efficiency of the fuel used. With the *Fuel quality* options you can select the level of pellet and wood combustion efficiency, where low value stands for more humid fuel with less combustion efficiency, and high value stands for fuel with high combustion efficiency. You can select between values 1 to 3.

### **Modifying the setup options**

In the *Setup* menu context you can set the options for Key lock, Idle display brightness, Idle display mode, Beeper volume, Manual feed and view the Time to service.

The *Key lock* option enables you to lock the keyboard in order to prevent accidental changes of the settings. With the key lock enabled, you can navigate the menu to display current values, but you cannot edit any of the settings, except the Key lock itself. Note that this option does not disable the Fumis ALPHA remote control. The *Key lock* setting offers the following options:

- OFF: the Key lock is disabled, all buttons are available
- Lo: the edit mode is disabled (the Enter button is locked)
- Hi: the edit mode and the power on/off is disabled (the Enter button and the Power button are locked)

**Tip** We recommend you to use the Key lock option when cleaning the Fumis ALPHA keyboard.

You can increase or decrease the display brightness in the idle mode to conserve energy. As soon as you touch the keyboard, the brightness of the



display will increase to default value.

The *Idle display mode* setting offers the following options:

- OFF: The keyboard stays in the selected menu context. In case you were in the edit mode, the changes are discarded and the edit mode is exited.
- Option 1: the keyboard exits the current menu context and cycles between the current room temperature, fuel autonomy and clock. In case the *Fuel Autonomy* is set to OFF, this menu context is skipped.
- Option 2: The keyboard exits the current menu context and moves to the *Temperature* menu. The display shows the current room temperature.
- Option 3: The keyboard exits the current menu context and moves to the *Clock* menu. The display shows the current time.
- Option 4: The keyboard exits the current menu context and moves to the *Fuel autonomy* menu. In case the *Fuel Autonomy* is set to OFF, the keyboard exits this menu context and moves to the *Temperature* menu.

Beeper volume setting controls the loudness of the keyboard sound signals.

With the option *Manual feed* you can manually start the feeder. The feeder will operate for a short while and then stop. With this option you can clean or empty the feeder.

The *Time to service* shows in days when you should contact the service personnel to perform regular maintenance of your combustion system. This value (in days) is read-only and can be modified by authorized personnel only.

To modify the setup options, press the menu button to enter the *Setup* context. The set idle display brightness setting is displayed. To move between the setup options, press the edit buttons to display the settings. To modify a setting, press Enter and use the edit buttons to increase/decrease the value. When finished, press the Enter button to confirm the set value.

## **MAINTENANCE**





## **Maintenance warnings**

Inspection and maintenance operations must be carried out by specialised technicians who are aware of the directions reported in this manual. Before carrying out any work, make sure that:

- The power cable's plug has been pulled out, as the generator might have been programmed to turn on.
- All the generator parts are cold.
- The ashes are completely cold.
- Periodically inspect the T-shaped fitting on the smoke pipe located on the outlet of the generator by removing the hermetic container, remove any ash and carefully place back the plug with the gasket.

### **Attention!**

**Have the generator, vents and smoke pipe cleaned and checked by specialised personel every**



## DAILY CLEANING TO BE CARRIED OUT BY THE USER

Daily cleaning must be carried out by the generator's user with the utmost care after reading the instructions related to the procedures that need to be carried out later described in this manual.

The images are for illustration purposes.

### DAILY



Open the door - Clean the glass with a damp cloth  
Never spray the detergent or any other liquid used for cleaning directly on the ceramic glass

### CLEANING THE BURN POT AND COMBUSTION CHAMBER

1. Vacuum the residues in the burn pot
2. Take out the burn pot from the designated compartment;
3. Vacuum the ash from the burn pot's seat and the combustion chamber
4. Use the special poker supplied to clear the holes in the burn pot.
5. Place back the burn pot and push it towards the hearth wall.
6. If there is an ash collector tray, vacuum the ash deposits

**Please note: Use a suitable vacuum cleaner with a special container to separate the collected ash.**





### **Cleaning the lower sump ( if there is one)**

Some stove models have an inspection sump behind the ash drawer or underneath the combustion chamber. In this case, just open, remove the clamping screws and vacuum the ash inside.



### **ROUTINE MAINTENANCE**

In order to guarantee proper functioning and safety of the device, the operations indicated below must be performed every season or more often when necessary.

#### **Door, ash drawe and burn pot gaskets**

The gaskets ensure the tightness of the generator and its consequent proper operation.



They must be checked periodically: in the event they are worn or damaged they must be replaced immediately. These operations must be carried out by a qualified technician.

### **Connection to the flue**

Vacuum and clean the pipe that leads to the flue yearly or whenever necessary. If there are horizontal sections, the residues must be removed before they can obstruct flue passage.

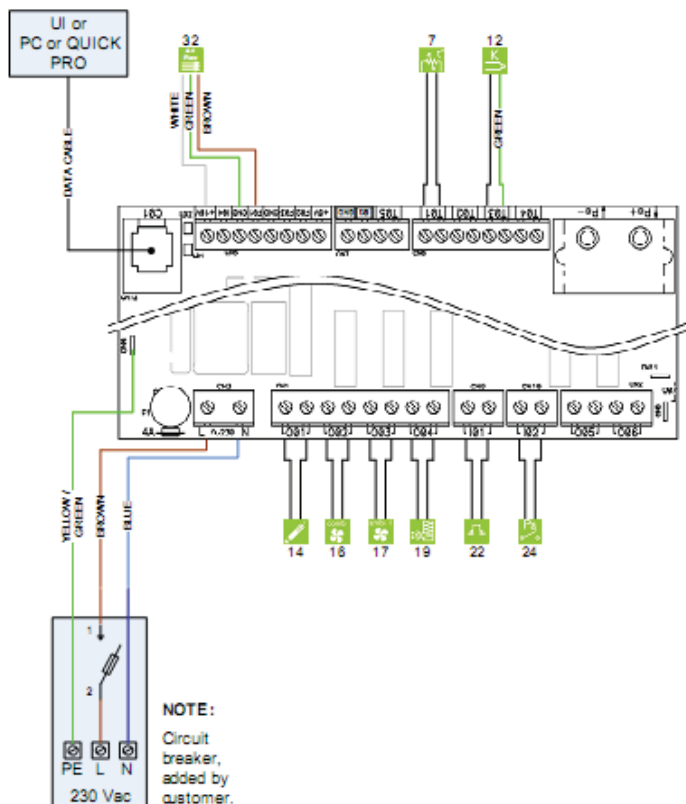


#### **ALWAYS FOLLOW THE INSTRUCTIONS IN MAXIMUM SAFETY CONDITIONS!**

- With the generator fully cooled down, switched off and disconnected from the mains electricity.
- Failure to clean jeopardises safety!
- To ensure correct operation the generator must undergo routine maintenance by a qualified technician at least once a year.



## ELECTRICAL LAYOUT



### IMPORTANT:

- If there is nothing connected to I02, you must bridge it with wire.
- If there is nothing connected to I01, you must bridge it with wire.
- The total average electrical current consumption of devices connected to O02 + O03 + O04 + O05 + O06, must NOT exceed 1,2A.
- The power of the IGNITER, connected to O01, must NOT exceed 450W.



1.DOOE OPEN SWITCH	18.FAN 3 as SECONDARY ROOM FAN
2.PELLETS LEVEL SENSOR (capacitive switch)	19.PELLETS FEEDER 1
3.LEVELTRONIC	20.PELLETS FEEDER 2
4.HALL SPEED SENSOR	21.SAFETY TEMPERATURE LIMITER (WATER) STB
5.EXTERNAL THERMOSTAT	22.SAFETY TEMPERATURE LIMITER (PELLETS) STB
6.WATER TEMP. SENSOR (NTC)	23.ADDITIONAL SAFETY SWITCH
7.AIR TEMP. SENSOR (NTC)	24.AIR UNDER PRESSURE SAFETY SWITCH
8.BACK WATER TEMP. SENSOR (NTC)	25.WATER UNDER PRESSURE SAFETY SWITCH
9.SECONDARY ROOM TEMP. SENSOR (NTC)	26.WATER PUMP
10.ACCUMULATOR TEMP. SENSOR (NTC)	27.BACK WATER PUMP (By-pass)
11.FLAME DETECTION SENSOR	28.MODULATED WATER PUMP (Invertek pump)
12.FLUE GAS TEMP. SENSOR (K-Type)	29.ASH EXTRACTION AUGER
13.AIR FLOW SENSOR (Tube connection)	30.MECHANICAL CHAMBER CLEANING
14.IGNITER (max. 450W)	31.AIR PULSE CLEANING
15.FAN 1 as PRIMARY COMBUSTION FAN	32.FLOWTRONIC
16.FAN 2 as CHIMNEY FAN or SECONDARY COMB. FAN	33.PELLET TEMP. SENSOR (NTC)
17.FAN 2 as AMBIENT FAN	34.SPECIAL OUTPUT
Mandatory for this configuration	INVERTER MOTOR CONTROL
Optional (addition with PC-PM2)	EXTERNAL POWER SETTING

## LEGAL NOTICE:

With installation of the Fumis product the fater is pledging, that the product shall be set up the product according to producer's instructions and only into devices enabling a safe setting and operation of the product being accordant with applicable national and international standards. The buyer assumes the whole responsibility for damage that may arise as a result of incorrect installation of the Fumis product, installation of the product into device which doesn't assure safe operation or, regarding to actual circumstances, unsuitable setting operation of the product or device, and other damages which are result of unsafe characteristic of device, in connection with operation of the Fumis product.



## TROUBLESHOOTING

Indication	Code	Cause	Solution
Icon No fuel is blinking	A001	When the fuel in the container reaches the Low fuel level, the notification is triggered. This notification is available if you are using the Fuel autonomy option or your combustion system is equipped with the fuel level sensor.	Refill the fuel container. If you are using the <i>Fuel autonomy</i> option, reset this setting to <i>Full</i> by pressing the button ON/OFF on the user interface.
Icon No fuel is on	....	When the fuel in the container runs out, the notification is triggered. The combustion system turns off and cannot be restarted.	Refill the fuel container. If you are using the <i>Fuel autonomy</i> option, reset this setting to <i>Full</i> by pressing the button ON/OFF on the user interface.
*Icon Cleaning is blinking *Icon Cleaning is on	A003 ....	The burning chamber or chimney are dirty and require cleaning. There is too much ash or unburned pellets in the burning chamber, or chimney is getting congested with soot.	Check and empty the burning chamber or contact the service personnel to sweep the chimney.
Icon Service is blinking	A004	The Fumis ALPHA controller battery is getting low. The combustion system is still operational.	Contact the service personnel to change the Fumis ALPHA controller battery. Do not attempt to change the battery on your own.





<b>Icon Service is blinking</b>	A005	The fan 1 speed sensor malfunctioned. The combustion system is still operational.	Contact the service personnel.
<b>Icon Service is blinking</b>	A007	The pressure sensor malfunctioned. The combustion system is still operational.	Contact the service personnel.
<b>Icons Cleaning and Service are blinking</b>	A002	The <i>Time to service</i> shows in hours when you should contact the service personnel to perform regular maintenance of your combustion system. The <i>Time to service</i> counter counts down in hours, and when this counter reaches zero, the Service icon starts blinking. This value (in hours) is read-only can be modified by authorized personnel only.	Contact the service personnel.
<b>Icons No fuel, Cleaning and Service are blinking</b>	A006	The combustion system is equipped with the door sensor switch. Burning chamber or fuel container door is open.	Check and close the burning chamber or fuel container door. In case this cannot be performed or does not work, contact the service personnel.
<b>Fumis ALPHA remote control is not responsive</b>		The battery of the Fumis ALPHA remote control is empty. The Fumis ALPHA remote control uses the CR2025 battery. You can also insert the CR2032 battery (recommended because of longer battery life-span).	Replace the battery. For instructions refer to the back side of the remote control unit.



### Indication: Icon Service is on

**Cause:** The combustion system malfunctioned and is not operational. This can be due to:

- Code E001: Keyboard error
- Code E002: IR communication error
- Code E003: RF communication error
- Code E004: MB communication error
- Code E101: Fire error or water overtemperature
- Code E105: NTC2 error
- Code E106: NTC3 error
- Code E107: TC2 error
- Code E108: Security switch error
- Code E109: Pressure switch error
- Code E110: NTC1 error
- Code E111: TC1 error
- Code E112: Fuel overtemperature
- Code E115: General error

**Solution:** Note the error code and contact the service personnel.

## TECHNICAL FEATURES

		VIOLET	VIOLETNEW	JESSAMINE	P 13
Height	mm	865	1049	895	1170
Width	mm	450	519	475	596
Depth	mm	460	537	460	655
Weight	kg	82	102	82	127
Diameter of flue gas pipe	mm	80	80	80	80
Heat Input Power	kW/h	3 - 6,5	3 - 6,5	3 - 6,5	4 - 11,6
Heat Output Power (Nominal)	kW/h	2,5 - 5	2,5 - 5	2,5 - 5	3 - 10
Consumption	kg/h	0,7 - 1,3	0,7 - 1,3	0,7 - 1,3	0,8 - 2,3
Supply	V-Hz	230 - 50	230 - 50	230 - 50	230 - 50
Tank capacity	kg	13	17	13	24
Nominal Power Efficiency	%	81 - 85	81 - 85	81 - 85	81 - 85
CO at 13% O <sub>2</sub> min-max	%	0,012 - 0,032	0,0287 - 0,035	0,012 - 0,032	0,012 - 0,032
Smoke mass min-max	g/s	5,7 - 12,0	5,7 - 12,0	5,7 - 12,0	5,7 - 12,0
Draught		0,1mbar-10 Pa	0,1mbar-10 Pa	0,1mbar-10 Pa	0,1mbar-10 Pa
Flue gas temperature min-max	°C	76 - 190	82 - 178	76 - 190	80 - 180



## Combustion phase of flames simulating

### 1.phase



After pressing the ON button the device begins to take fuel and the heater is activated.

### 2.phase



Approximately after 4,5-5 minutes the first flame is formed.

### 3.phase



Approximately after 6,5-7 minutes the flame begins to grow.

### 4.phase



Approximately after 8-10 minutes it begins to reach the saturation point (flame lights up as to fill the container.) Gas of the flue is increases. The device is to control itself.

### 5.phase



Approximately after 12-14 minutes the complete combustion stage is reached.



## MAINTENANCE

[illegible]



**hosseven**  
ISI VE YALITIM SAN. TİC. AŞ.



**Sıcak Evler, Mutlu Yüzler...**

**Mutluluğunuz**  
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