

# Instruction Manual

**T300 Frame 8kW**

**T400 Frame 10kW**

**T500 Tube 9kW**



FOGO MONTANHA



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## 1. Important aspects

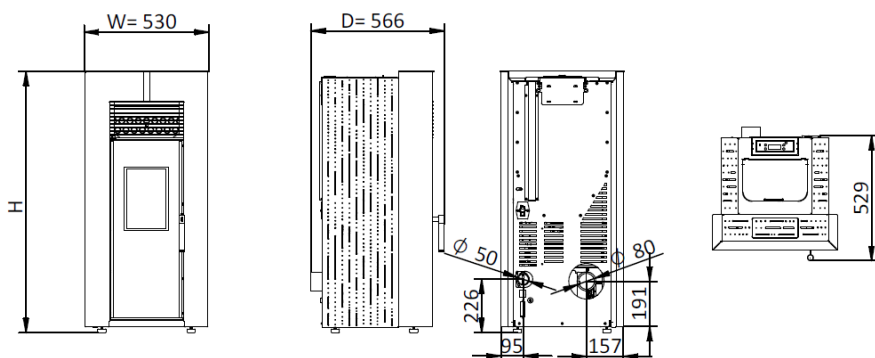
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- Thank you for purchasing a Fogo Montanha Free Stand Fire unit.
- The manufacturer of Fogo Montanha Free Standing Fire units hereby represents that they are the sole responsible for the compliance of all manufactured models with the general safety requirements. Any changes made to the product without the previous written consent from the manufacturer will void the above statement.
- Please read these instructions carefully before installing, using and servicing the unit and keep them at hand for future reference.
- This instruction manual is provided with the product. Please keep it near the unit.
- All products comply with the EU's Construction Products Directive (EU Reg. No. 305/2011) and are approved for the EC compliance marking. This product has been manufactured according to the 14785:2008 EN standards.
- This product may only be installed by authorized people, who must provide the buyer a statement of compliance regarding the installation, taking full responsibility for the final installation and, consequently, for the proper operation of the unit. Fogo Montanha manufacturer disclaims all liability for any damages occurring to the equipment if installed by non-qualified people.
- All local regulations, including any applicable national and European standards, must be observed when installing, operating and servicing the unit.
- To get technical assistance, please contact the unit supplier or installation staff. You should have the unit serial number ready. This number can be found on the identification plate located on the top lid or on the label attached to the plastic cover of this manual.
- Any technical assistance procedures must be performed by the unit provider or installer, except in special situations and after assessment by the installer or assistance engineer who may then decide to contact Fogo Montanha, if necessary.
- This unit must be used according to its intended purpose pursuant to the manufacturer's specification. All contractual and non-contractual responsibilities of the manufacturer are hereby excluded for damages caused to people, animals or property resulting from the misuse or faulty installation or servicing of the unit.
- All the components that make part of the unit's assembly and that together guarantee its operation and energetic efficiency must only be replaced with original parts provided by an authorised technical assistance centre.
- The unit must be serviced at least once a year or every 600-800 kg of pellets consumed, by the installation engineer.

## 2. Features

Features	T300 Frame 8kW	T400 Frame 10kW	T500	Unidades
Weight	75	110	94	kg
Height	"H"	"H"	1072	mm
Weight	530	530	500	mm
Depth	564	566	561	mm
Diameter of the fume discharge pipe	80	80	80	mm
Reservoir capacity	15	17	17,5	kg
Maximum heating capacity	182	227	200	m <sup>3</sup>
Maximum overall thermal power	8	10	8,8	kW
Minimum thermal power	3,0	3,5	3,0	kW
Minimum fuel consumption	0,68	0,77	0,68	kg/h
Maximum fuel consumption	1,8	2,3	2	kg/h
Rated electrical current	102	102	85	W
Electric power at start-up (<10 min.)	362	362	362	W
Rated voltage	230	230	230	V
Nominal frequency	50	50	50	Hz
Thermal yield at rated thermal power	91,3	91,4	91	%
Thermal yield at reduced thermal	96	96	96	%
Max. fume temperature	152,6	149	165	°C
Min. fume temperature	64	59	64	°C
CO emissions at rated thermal	0,01	0,012	0,0095	%
CO emissions at reduced thermal power	0,027	0,036	0,027	%
Combustion gas mass flow	5	7	5	g/s
Draught in the chimney	12	12	12	Pa

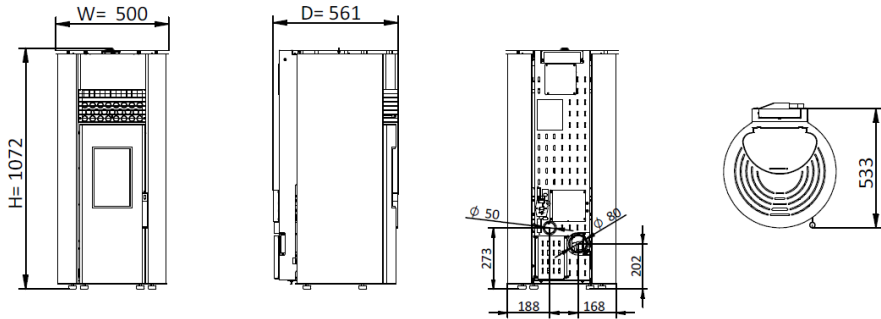
**Table 1 - Technical specifications**



**Figure 1 - Dimensions of the free-standing pellet fire unit T300 and T400**

Model	Dimension "H" (mm)
T300 Frame 8kW	984
T400 Frame 10kW	1100

## T500



**Figure 2 - Dimensions of the free-standing pellet fire unit T500**

### 3. Fuel

- To operate this unit do not use pellets other than those certified in compliance with the EN14961-2 standard, grade A1.

Parameters	EN plus – A1	Units
Diameter	Between 5 e 7	mm
Length	$3,15 \leq L \leq 30$	mm
Density	$\geq 600$	kg/dm <sup>3</sup>
Heating capacity	$\geq 5,32$	KWh/kg
Mechanical strength	$\geq 97,5$	% (mass)
Ash	$\leq 0,5$	% (mass)
Humidity	$\leq 10$	% (mass)
Sulphur percentage	$< 0,05$	% (mass)
Chlorine percentage	$< 0,02$	% (mass)
Nitrogen percentage	$< 0,3$	% (mass)
Copper	$\leq 10$	mg/kg
Chromium	$\leq 10$	mg/kg
Arsenic	$\leq 1$	mg/kg
Lead	$\leq 10$	mg/kg
Cadmium	$\leq 0,5$	mg/kg
Mercury	$\leq 0,1$	mg/kg
Nickel	$\leq 10$	mg/kg
Zinc	$\leq 100$	mg/kg

**Table 2 - Parameters defined in the EN14961-2**

- The physical and chemical properties of the pellets (namely, calibre, friction, density and chemical composition) may vary within specific tolerance ranges and across manufacturers. Please note that this may cause changes to the feeding process and, consequently, the need for different doses (more or less pellet quantity).
- The unit allows for a  $\pm 25\%$  adjustment to the pellet dosage at start-up and at power levels.
- The CE certification tests that were run used wood pellets I with a heating capacity of 5.4 kWh/kg.

## 4. Installing ducts and fume extraction systems

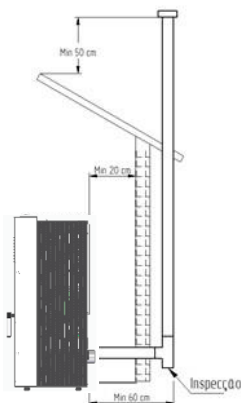
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- The exhaust pipe must have been designed for and dedicated to this purpose, in compliance with local requirements and any applicable regulations.
- Important! An inspection-T with an airtight lid must be attached to the exit of the unit's exhaust pipe to allow for the regular inspection of the system or discharge of heavy dust and condensates.
- As shown, the exhaust duct should be assembled in a way that allows for the cleaning and servicing using the insert of the inspection points.
- Under normal operating conditions, the combustion gas exhaustion must create a draught of 12 Pa, one meter above the fume exit.
- The unit must not share the chimney with other equipment.
- The pipes installed outside the household must have double stainless-steel insulation and an internal diameter of 80 mm.
- The fume exhaust pipe may generate condensation, so we recommend that the appropriate systems for collecting condensates are installed.

### 4.1. Installing without a chimney

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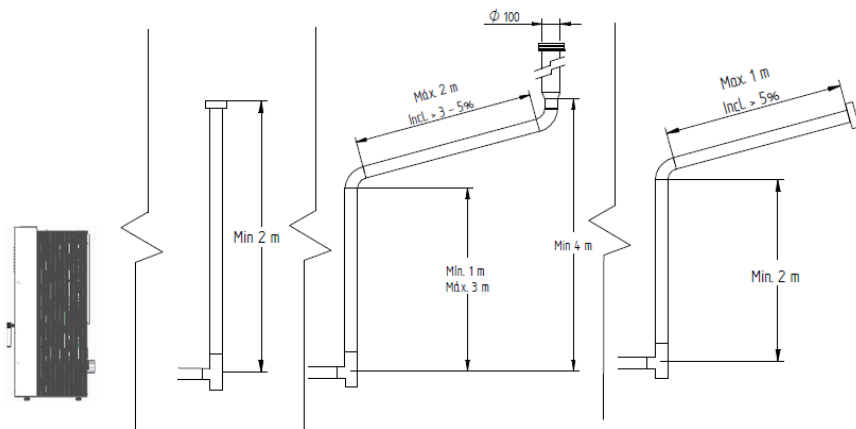
- The installation of this unit without a chimney must be made by bringing the fume exhaust pipe directly out and over the top of the roof at approximately 0.5 m higher.
- Double-walled stainless steel insulated pipes must be used and properly attached to avoid condensation.
- A T-connection must be installed at the base of the pipe to allow for periodic inspections and annual maintenance, as illustrated in the following figure.



**Figure 3 - Side view of the installation without chimney, with example of the inspection point**



- The following figure shows some examples which illustrate the basic requirements for installing the unit's chimney.



**Figure 4 - Examples of standard installations**

**FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY PREVENT THE CORRECT OPERATION OF THE UNIT (PLEASE OBSERVE ALL OF THE INSTRUCTIONS PRESENTED ON THE DIAGRAMS).**

- The free-standing fire operates with the combustion chamber in draught. Therefore, it is absolutely necessary to have installed a fume exhaustion duct that can adequately extract the combustion gases.
- **Fume duct material:** The tubing to be used for this installation must consist of 0.5 mm thick rigid stainless steel, with fitting bindings attaching the different sections and accessories.
- **Insulation:** The fume ducts must be double-walled and insulated to make sure that fumes do not cool down going outwards, which would cause an inadequate circulation and condensation that might damage the unit.
- **Output T connection:** Always attach a "T-tube" with damper to the output of the unit.
- **Swing type check valve:** Always install this system to avoid fumes backflow.
- **Draught in the chimney:** The figure below shows three standard diagrams, specifying the adequate lengths and diameters. Any other type of installation must guarantee a draught of 12 Pa (0.12 mbars) measured when hot and at the maximum power.
- **Ventilation:** For the optimal operation of the unit, the assembly site must have a air inlet installed with a minimum cross section of 100cm<sup>2</sup>, preferably at the back of the unit. The unit is equipped with a circular pipe (Ø 50 mm) that can connect to the exterior of the house.



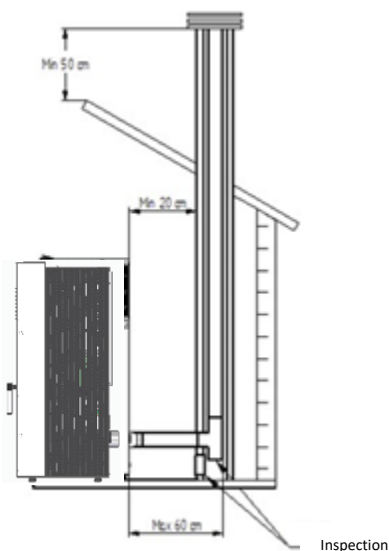
**THIS SECTION OF PIPE CAN BE A MAXIMUM OF 60 CM LONG WITH A DIAMETER OF 50 MM (Ø).**

- If you use a tube to allow for the combustion airflow intake from the outside, this should not have more than 60 cm long horizontally, and an internal diameter equal or greater than the unit's tube diameter. The connection path must be straight (without bends).
- If the house is equipped with an air exhaust system (e.g. kitchen extractor fan), a top ventilation section must be installed, suitable to accommodate the different air exhaust systems existing in the household.
- Installing the unit in locations near kitchen exhaust fans or fume extractors may prevent the correct operation of the unit and, in certain situations, may cause the inversion of the chimney draught flow which will expel the fumes into the room where the unit is installed.

## 4.2. Installing with a chimney

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- As shown in the following figure, the installation of the unit brings the exhaustion tube directly onto the chimney. If the chimney is too large, an 80 mm-wide pipe should be installed at the fume outlet.



**Figure 5 - Side view of the chimney installation, with example of the inspection point**

- A T connection must be attached to the base of the tubing, to allow for periodic inspections and annual maintenance.

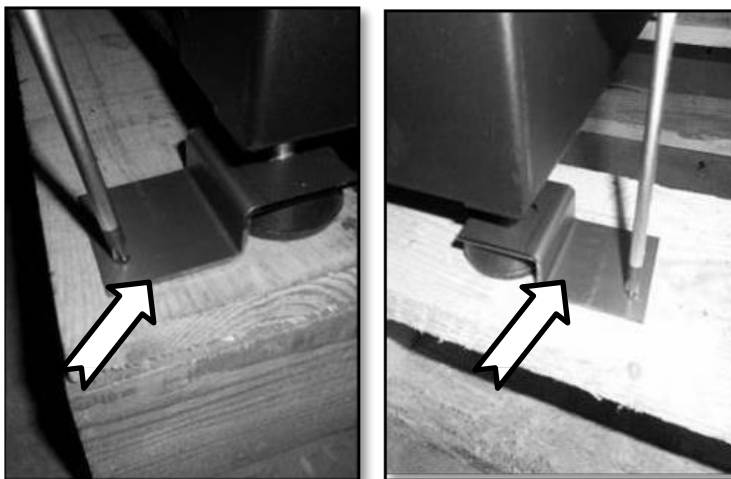
- We recommend that you do not use the unit in adverse weather conditions that may seriously impact the draught (particularly with very strong winds).
- Before lightening the fore, you must make sure that the chimney tubing is free from obstructions. Otherwise, the fume can be blown into the room where the unit is installed.

## 5. Package content

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The unit is shipped with the following contents:

- Power cable
  - Infrared remote control
  - Performance statement
- 
- Before unpacking the unit, check if the package is in perfect conditions, and report to the installer or reseller if the package evidences signs of damage or defect.
  - After unpacking the unit, please check if the contents are complete and undamaged. If not, please contact the reseller where the unit was purchased.
  - During the unpacking process, please remove the parts that secure the unit to the pallet. Use a screwdriver to release the unit (please see the following pictures).



**Figure 6 - Unpacking the free-standing pellet fire unit**

## 6. Safety

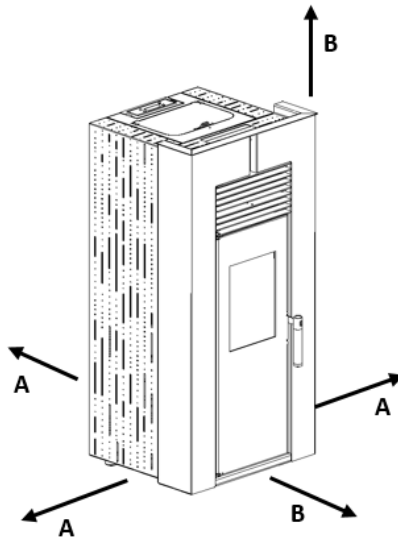
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- In order to avoid the occurrence of problems when using the unit, it is important that you respect the minimum safety distances specified. Please see the next image.

A > 20 cm.

B > 150 cm.

- The unit should be assembled at a distance of 20cm from the rear wall to facilitate the maintenance procedures and to allow for a proper ventilation.



**Figure 7 - Minimum distances from all surface**

- Please maintain a distance of 150 cm between the ceiling and the top of the unit, especially if the ceiling is made of flammable materials.
- The unit's supporting base must be made of glass, ceramic or steel laminate. If the room's floor is made of flammable materials (wood, carpet, etc) this may present a fire hazard.
- During the unit's operation, make sure you keep any combustible materials at a safe distance.

## 7. Installing the pellet burning free standing fire

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- The unit is equipped with four adjustable height feet, allowing for simple adjustments of the unit when placed on uneven floors.



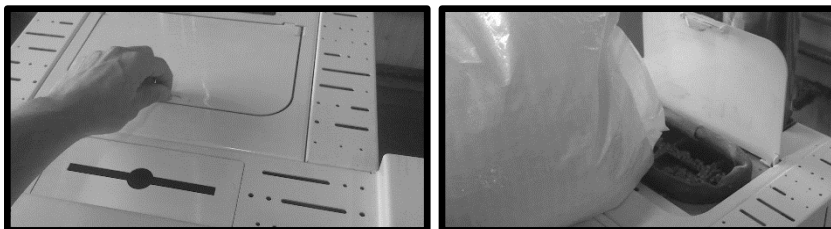
**Figure 8 - Adjustable feet**

- Remove the instruction manual from the package and hand it over to the client.
- Connect an 80mm diameter pipe between the unit's combustion gases output and the fume extraction duct directed to the exterior of the building (e.g., through the chimney) – please check diagrams in section 4.
- Connect the 230V AC power cable to a grounded power socket.
- The side of the unit where the hot air outlet is located must be placed facing the area to be heated.

## 8. Filling the pellet reservoir

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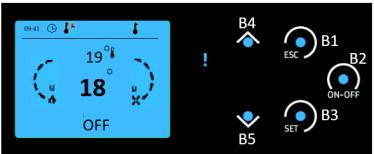

- Open the pellet reservoir's lid located in the top of the unit, as shown in the following figures.
- Empty the pellet bag into the reservoir
- Close the reservoir lid







**Figure 9 - Filling the pellet tank**

## 9. Remote control and display panel

- The unit is equipped with a modern microprocessor that manages several functions which allow you to configure and programme the unit. You can access these functions using the unit's touch screen.
- The infrared remote control allows you to access some of the unit's functions remotely.

Device	Function
	<ul style="list-style-type: none"><li>• You can view and set the unit's parameters and functions.</li></ul>
	<ul style="list-style-type: none"><li>• You can use the infrared remote control to turn the unit on and off. You can also increase or decrease the unit's power level.</li></ul>

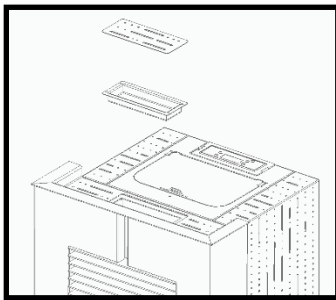
- Sections 16, 17, 18, 19, 20 and 21 of this manual provide a description of each function and its location.
- The following table describes the touch screen display and the operation of each menu item.

Button	Function
	<ul style="list-style-type: none"><li>• Turning the unit on and off (3s).</li><li>• Resetting errors (3s).</li></ul>
	<ul style="list-style-type: none"><li>• Accessing the menus 1 and 2 (3s).</li><li>• Function confirmation (OK).</li></ul>
	<ul style="list-style-type: none"><li>• Exiting the menus (ESC).</li></ul>
	<ul style="list-style-type: none"><li>• Scrolling the menus and functions up and down.</li><li>• Increase and decrease the ventilator's airflow.</li><li>• Increase or decrease the set- point temperature.</li><li>• Increase or decrease the unit's power.</li></ul>

## 10. Humidifier

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- This usage of this type of heating equipment may cause the air in the room to be very dry. To avoid this, this unit is equipped with a stainless-steel container to be filled with water that will evaporate to help humidify the air in the room, as shown in the following pictures.
- The humidifier is located inside the unit, as other components, and it should be removed and positioned correctly in the appropriate place at the top of the unit.



**Figure 10 - Humidifier**

## 11. Activation

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- Before operating the unit, please make sure that the pellet feeder channel is filled with pellets. To do this, with the unit turned off enable the pellet feeder function (section 19). The unit will be ready for operation when the first pellets start to fall into the burner. Disable the function.
- To start operating the unit you need to press the start/stop key for 3 seconds. The display will show the message "Check Up" during the lighting phase until completion.
- The pellets travel through the pellet feeder channel onto the burning basket (combustion chamber), where they will be ignited by means of a heat resistor. This process may take between 5 to 10 minutes, depending on whether the worm screw has been previously loaded with pellets or not. Upon completion of the ignition phase, "Normal" should appear on the display.
- The heating power can be adjusted at any time by accessing the Combustion Management Menu from the "Personalisation Menu".
- You can choose between five pre-set power levels. The selected power is indicated on the display. The initial power setting at each start-up will correspond to the power level set during the last cycle operation.
- The unit will be hot during operation, so you should be careful when touching the glass, the door lock and the heat exchanger damper.



**THE FREE-STANDING UNIT MUST ALWAYS BE DEACTIVATED IN THE SAME WAY IT WAS ACTIVATED. DURING THE ACTIVATION PROCESS THE EQUIPMENT MUST NEVER BE UNPLUGGED.**

## 12. Disabling

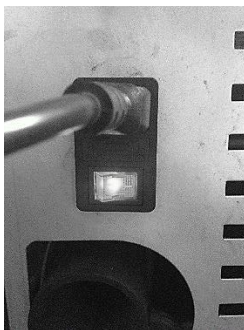
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- The turn off sequence is performed by pressing the start/stop key for 3 seconds.
- Until completion of this phase the display will show the message “disabling”. The extractor will remain active until a fume temperature of 40°C is reached, to ensure that all the fuel is completely burned.

## 13. Recommendations on using this unit

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- Ensure that the unit is properly connected to the power mains using the 230V AC power cable.

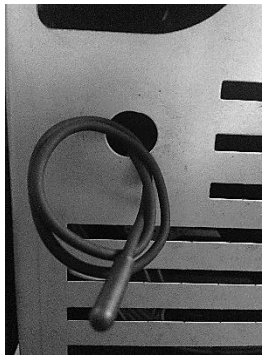


**Figure 11 - Electric power plug**

- Check if the pellet reservoir is supplied with pellets. Inside the pellet reservoir is a safety grid to prevent users from reaching the worm screw.
- Always check if the burner is not obstructed before igniting the unit.
- **THE UNIT'S COMBUSTION CHAMBER IS MADE OF IRON PLATE COATED WITH HIGH TEMPERATURE RESISTANT PAINT, WHICH RELEASES FUMES DURING THE FIRST BURNING SESSIONS DUE TO THE CURING OF THE PAINT.**
- Please make sure the room where the unit is installed has adequate air circulation; otherwise, the unit will not work properly. For this reason, you should consider if there are other air-consuming heating appliances in the room (e.g., gas units, braziers, extractors, etc.) as these should not be used simultaneously with this unit.
- You should not turn the stove off and on intermittently, as this could damage the unit's electronic and electric components.

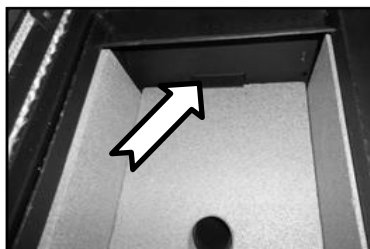


- Even though the unit is grounded, do not touch the unit with wet hands; the improper handling of the unit may cause an electric discharge. If you notice any electrical problems, please contact your person who performed the installation.
- The unit should only be disconnected after its full stop. Make sure that the display shows “Off” before disconnecting the unit. If necessary, unplug the power cable from the power socket.
- Never open the door when the unit is still connected to the power socket or during its operation. If you need to open the door, disconnect the unit and allow it to cool down completely.
- The free-standing units have a probe to measure the room temperature. This probe is attached to the grid at the rear panel (as shown in the figure below). For a good reading of the room temperature, avoid the contact between the end of the probe and the unit chassis. If you want, you may secure the probe to the wall near the unit.



**Figure 12 - Room temperature probe**

- Before starting up the unit, check to determine if the deflector plate is correctly positioned.



**Figure 13 - Deflector plate**

## 14. Cleaning and maintenance

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- In order to achieve an optimal operating performance, it's essential to carry out a set of cleaning and maintenance procedures. To do so in a convenient way, use y a household vacuum cleaner.
- The cleaning operation should be carried out after each burn of approximately 30 kg. To prevent any accidents, the cleaning and maintenance operations must be performed with the disconnected from the power socket and after complete cool down.
- The deterioration of parts due to the lack of cleaning will void the warranty provided by Fogo Montanha.
- For cleaning and maintenance purposes, we recommend that you use
  - o Household vacuum cleaner;
  - o A 20-25 mm wide and 80 cm long twisted-wire;
  - o Steel brush.

### 14.1. Heat exchanger

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- This operation should be performed after the unit has completely cooled down to prevent accidents.



**Figure 14 - Exchanger cleaning**

- Pull the cleaning damper from inside the unit, gently pulling it horizontally. We recommend that you pull the damper out with the door closed, so that the ashes in the exchanger fall inside the unit. This procedure should be done after the unit has been used.

### 14.2. Burning basket and ash pan grate

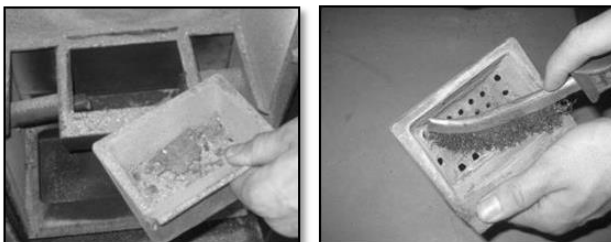
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- Open the door to access the interior of the unit. Next, you should remove the grate but, before doing that, be sure you tilt it while still inside the unit to make sure that the accumulated ash falls onto the ash drawer.



**Figure 15 - Removing the ash pan grate**

- Then, remove the burning basket and clean it using a brush or a vacuum cleaner to clear the burning holes.



**Figure 16 - Removing the ash pan grate**

- Clean the basket's sitting area to free it from debris that may obstruct the combustions air flow.



**Figure 17 - Interior cleaning**

### **14.3. Ash basket**

- Remove the ash drawer and clean it by emptying the accumulated ashes into a bag and discard.



**Figure 18 - Cleaning the ash drawer**

## 14.4. Trapdoor

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- After every 60 to 80 hours of burning, we recommend that you clean the ashes accumulated in the lower chamber, next to the fume extractor.
- To access the lower chamber, remove the hatch underneath the drawer. Use the vacuum cleaner to clean the ashes.
- It is important to fit the hatch back into place in the unit, to prevent operation failures to occur.

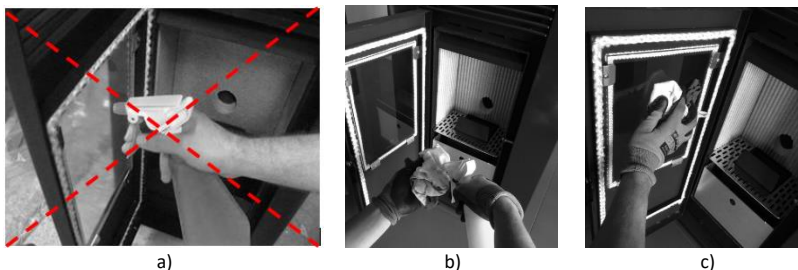


**Figure 19 - Cleaning the trapdoor**

## 14.5. Cleaning the glass

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- The glass can only be cleaned after the complete cool down of the unit. Use an appropriate cleaning product by following the product's instructions for use and avoiding contact of the product with the rope gasket and the metallic painted parts, to avoid unwanted oxidation. The rope gasket is glued, so it should not be exposed to moisture from water or cleaning products.



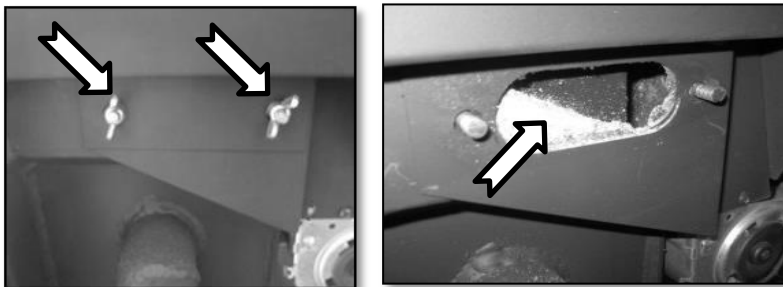
**Figure 20 - Cleaning the glass: a) Incorrect cleaning of the glass; b) moisten a soft cloth with liquid c) clean the glass using the cloth**

## 14.6. Additional cleaning

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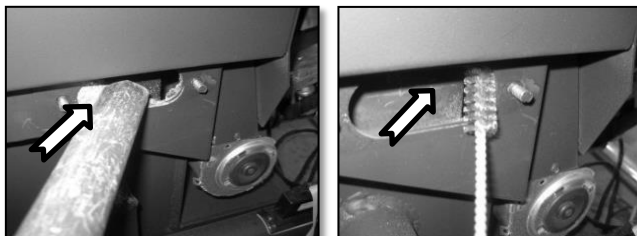
- **ADDITIONAL CLEANING SHOULD BE CARRIED OUT FOR EVERY 600-800 KG OF PELLETS CONSUMED.**
- Before cleaning, you need to remove the side covers, in order to access the side lids of the combustion chamber.

- To clean the interior of the unit, detach the wing nuts and remove the lid.



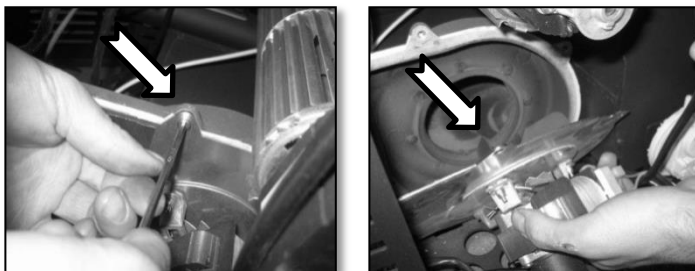
**Figure 21 - Remove the lug nuts and the cover**

- Use the vacuum cleaner to remove the ashes. Using a twisted-wire steel brush, clean the fume ducts.

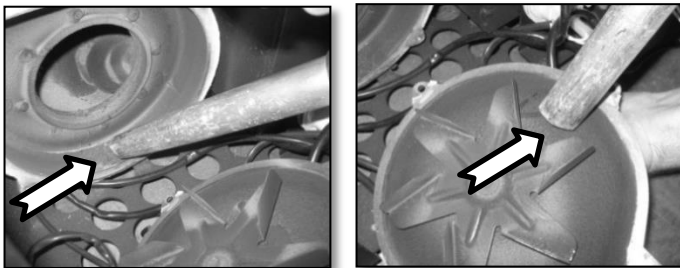


**Figure 22 - Aspirate the interior, cleaning with a brush**

- If you notice that the fume extraction is not working properly, we recommend that you clean the extractor as shown in the following figures. This procedure should be carried out at least once a year.



**Figure 23 - Remove the screws and the extractor**



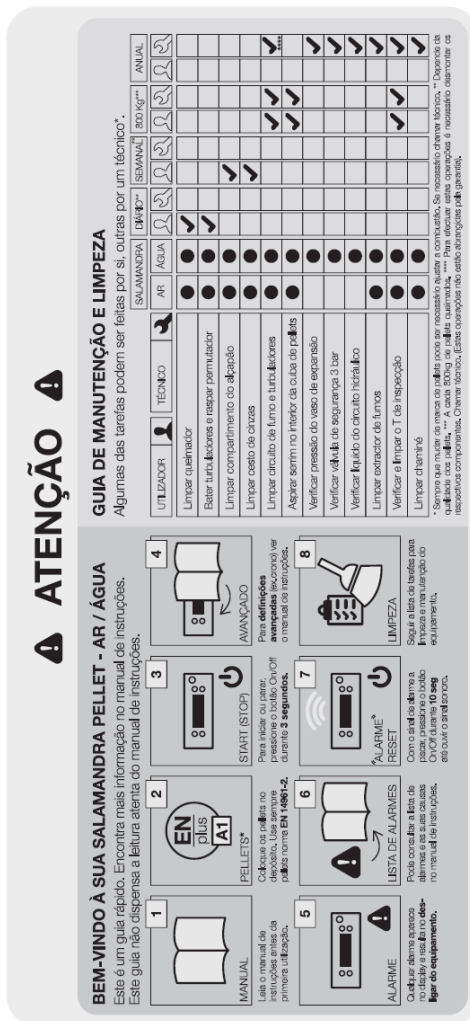
**Figure 24 – Cleaning the extractor**

- Remove or empty the pellet reservoir to avoid humidity to set in.
- Clean the unit's pellet feeder channel using the brush to remove the dirt in order to prevent it to accumulate at the end of the duct.

#### **14.7. Performing an inspection after a long period of inactivity**

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- Check if both the gas output and the combustion airflow intake are not obstructed with foreign debris, like from bird nests, or some kind of infiltration.

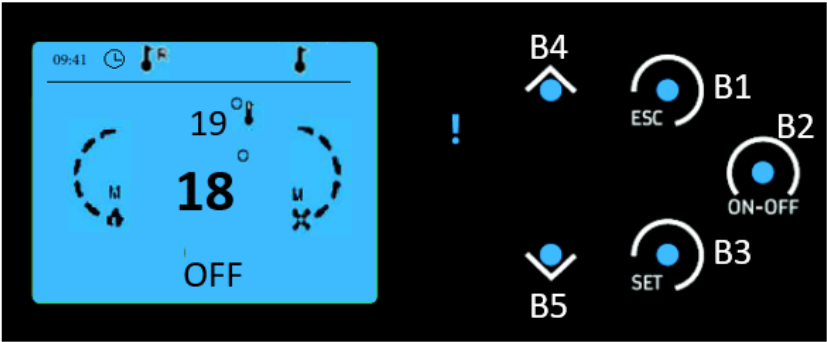


**Figure 25 – Maintenance guide label**

**Note:** The safety warnings sticker label is attached from factory to the unit's pellet lid, in the Portuguese language. Attached to the manual you will find other language versions of the sticker labels (Spanish, English, French and Italian). If necessary, remove the Portuguese language label and replace it with the label in your country's language.

## 15. Display

- When the appliance is connected to the electricity supply, the display shows the status of the stove "OFF", time and date, chrono activation, system errors, active functions, selected combustion power, selected ventilation power, current room temperature and selected room temperature set-point.



- In the Main Menu by pressing the key:
  - "B1" is possible to exit the menu/submenu;
  - "B2" is used to switch the appliance on or off by pressing and holding it for 3 seconds. The same button allows resetting the error in the event of blocking the stove and activating the Chrono in the corresponding submenu.
  - "B3" it is possible to access the user menu 1, pressing 3 seconds (s) on the same button we can access the user menu 2;
  - "B4" and "B5" you can access the Visualizations Menu where you can check a set of variables;





Led	Function
	<ul style="list-style-type: none"><li>When this LED is active, it means that the external Chrono is not requesting heating (IN5).</li></ul>
	<ul style="list-style-type: none"><li>When this LED is active, it means that the required room temperature has been reached.</li></ul>
	<ul style="list-style-type: none"><li>When this LED is active, it means that the internal chrono of the equipment is active.</li></ul>
	<ul style="list-style-type: none"><li>When this LED is active, it means that the unit has an error and has deactivated.</li></ul>

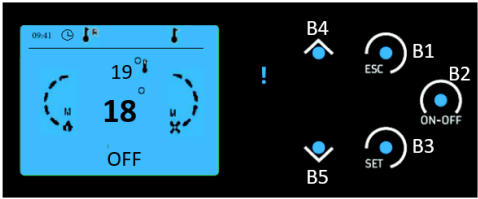
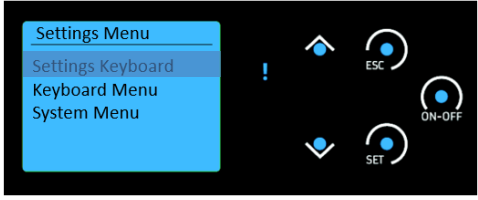
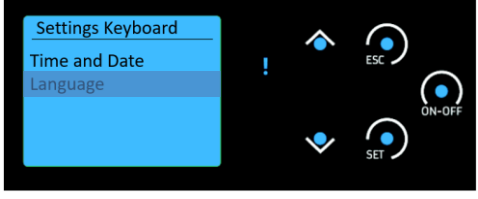
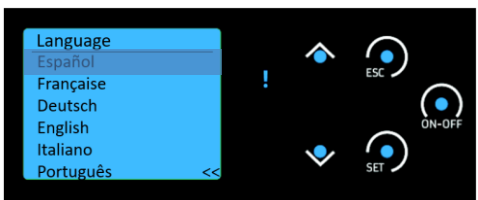
Table 3 - Symbology



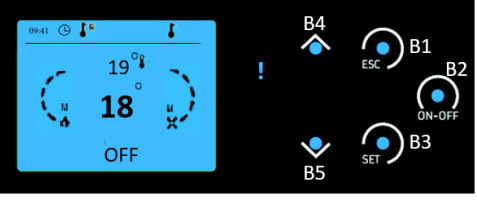
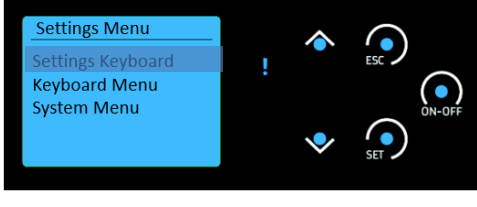
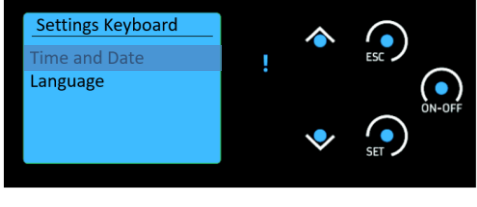
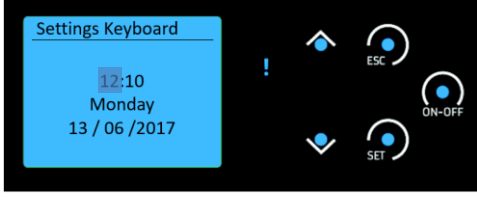
**THE STOVE MUST ALWAYS BE DEACTIVATED IN THE SAME WAY IT WAS ACTIVATED. THE EQUIPMENT MUST NEVER BE UNPLUGGED DURING THE ACTIVATION PROCESS.**




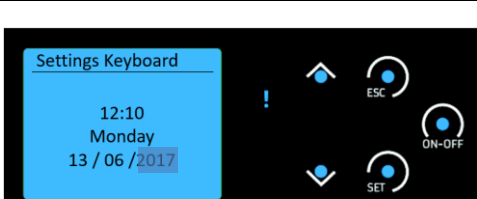


16. Keyboard Settings – Select Language

Select Language function	Procedure
	<ul style="list-style-type: none"><li>In the initial menu, press key B3 for 3 s until the "Settings Menu" appears</li></ul>
	<ul style="list-style-type: none"><li>With B4 and B5 select "Keyboard settings";</li><li>Press "Set" and the "Settings Keyboard" menu appears.</li></ul>
	<ul style="list-style-type: none"><li>In the "Settings Keyboard" menu with B4 and B5 select "Language";</li><li>Press "Set", the "Language" menu appears.</li></ul>
	<ul style="list-style-type: none"><li>From the "Language" menu, using B4 and B5, select the required language and press "Set" to confirm.</li></ul>

17. Keyboard Settings – Date / Time

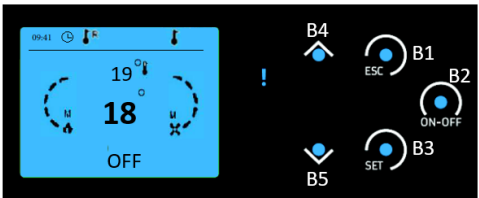
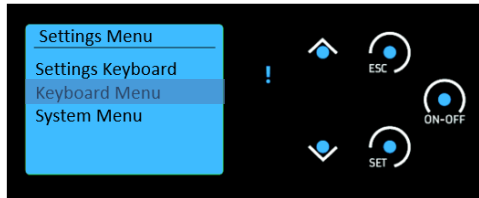
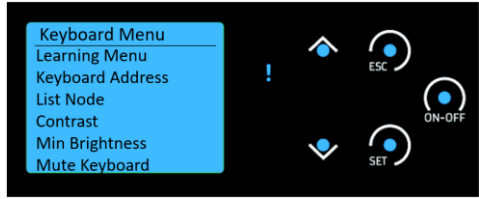
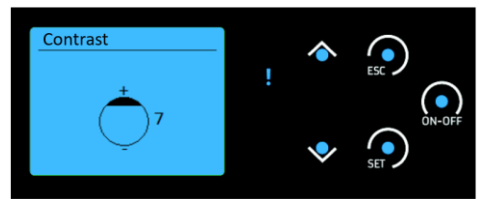
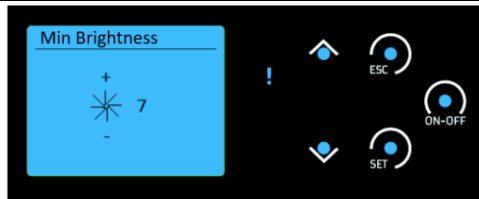
<u>Date and Time function</u>	<u>Procedure</u>
	<ul style="list-style-type: none"><li>• In the initial menu, press key B3 for 3 s until the "Settings Menu" menu appears</li></ul>
	<ul style="list-style-type: none"><li>• With B4 and B5 select "Settings Keyboard";</li><li>• Press "Set" and the "Keyboard settings" menu appears.</li></ul>
	<ul style="list-style-type: none"><li>• With B4 and B5 select "Date and Time";</li><li>• Press "Set", the "Date and Time" menu appears.</li></ul>
	<ul style="list-style-type: none"><li>• In the "Date and Time" menu with B4 and B5 select Time and press "Set" and the Time menu appears in editable mode with the Time flashing;</li><li>• With B4 and B5 select the correct Time and press "Set" to validate.</li></ul>

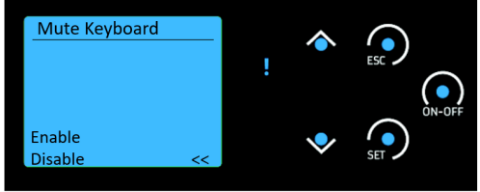
Date and Time function	Procedure
	<ul style="list-style-type: none"> <li>• In the "Date and Time" menu with B4 and B5 select Minutes and press "Set", the Minutes menu appears in editable mode with the Minutes flashing;</li> <li>• With B4 and B5 select the correct Minutes and press "Set" to validate.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Date and Time" menu with B4 and B5 select Day and press "Set" and the Date menu appears in editable mode with the Day of the month flashing;</li> <li>• With B4 and B5 select the correct Day and press "Set" to validate.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Date and Time" menu with B4 and B5 select Month and press "Set", the Date menu appears in editable mode with the Month flashing;</li> <li>• With B4 and B5 select the correct Month and press "Set" to validate.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Date and Time" menu with B4 and B5 select Year and press "Set" and the Date menu appears in editable mode with the Year flashing;</li> <li>• With B4 and B5 select the correct Year and press "Set" to validate.</li> </ul>

**THE DAY OF THE WEEK (SUNDAY TO SATURDAY) CHANGES ACCORDING TO THE DAY OF THE WEEK SELECTED.**

## 18. Keyboard Menu

- This Menu allows you to adjust the contrast, lighting and sound of the keyboard. The remaining menus can only be accessed by the technical service and require a password.

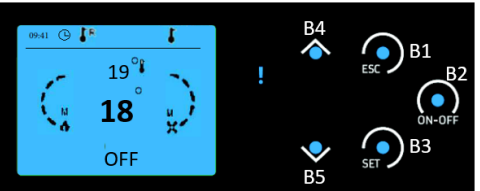

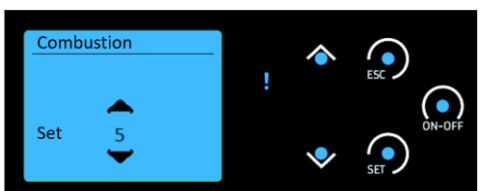
Keyboard Menu	Procedure
	<ul style="list-style-type: none"><li>In the initial menu, press key B3 for 3 s until the "Settings Menu" appears</li></ul>
	<ul style="list-style-type: none"><li>With B4 and B5 select "Keyboard Menu";</li><li>Press "Set" and the "Keyboard Settings" menu appears.</li></ul>
	<ul style="list-style-type: none"><li>With B4 and B5 select the required sub-menu;</li><li>Press "Set" and the selected menu appears.</li></ul>
	<ul style="list-style-type: none"><li>In the "Keyboard Menu" menu with B4 and B5 select "Contrast";</li><li>Press "Set" and the "Contrast" menu appears;</li><li>In this menu with B4 and B5 you can set the desired contrast between 0 and 30 for your display.</li></ul>
	<ul style="list-style-type: none"><li>In the "Keypad menu" with B4 and B5 select "Min Light";</li><li>Press "Set" and the "Min Light" menu appears;</li><li>In this menu with B4 and B5 you can set the brightness between 0 and 10 desired for your display.</li></ul>



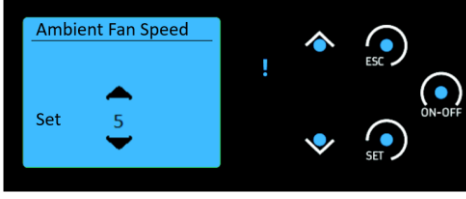

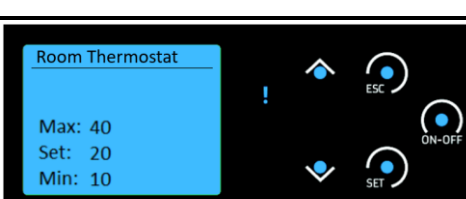

	<ul style="list-style-type: none"> <li>• In "Keyboard Menu" menu with B4 and B5 select "Mute keyboard";</li> <li>• Press "Set" and the "Mute keyboard" menu appears;</li> <li>• In this menu with B4 and B5 you can set whether you want to activate or deactivate the keypad tones by choosing between Activated or Invalid.</li> </ul>
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**THE SYSTEM MENU WITHIN THE SETTINGS MENU IS AN EXCLUSIVE ACCESS MENU FOR THE TECHNICAL SERVICE AND REQUIRES A PASSWORD.**

### 19. Personalisation Menu

- This menu allows you to adjust the power of the appliance, adjust the speed of the tangential heating fan, activate/deactivate the remote control, access the Chrono menu (explained in point 19) and develop a load of pellets.


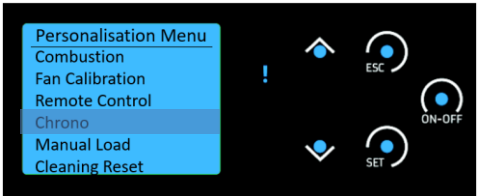
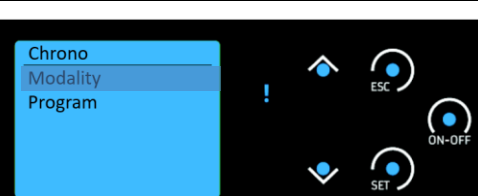
<u>Personalisation Menu</u>	<u>Procedure</u>
	<ul style="list-style-type: none"> <li>• In the initial menu, press key B3 once and the "Personalisation Menu" appears.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Personalisation Menu" with B4 and B5 select the required submenu;</li> <li>• Press "Set" and the selected menu appears.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Personalisation Menu" menu with B4 and B5 select "Combustion" and press "Set";</li> <li>• With B4 and B5 select the "Combustion" submenu;</li> <li>• In this menu with B4 and B5 you can set the equipment's operating mode between Auto and Manu mode and in this between power 0 to 5.</li> </ul>

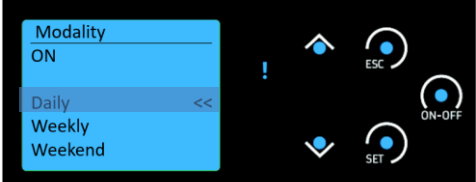

	<ul style="list-style-type: none"> <li>• In the "Combustion Management" menu with B4 and B5, select submenu "Auger Calibration";</li> <li>• In this menu with B4 and B5 you can adjust the quantity of pellets to be fed between - 7 (-25%) and 7 (+25%).</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Personalisation Menu" menu with B4 and B5 select "Extractor Calibration" and press "Set";</li> <li>• With B4 and B5 select sub-menu "Extractor Calibration";</li> <li>• In this menu with B4 and B5 you can adjust the speed of the smoke extractor between -7 (-25%) and 7 (+25%).</li> </ul>
	<ul style="list-style-type: none"> <li>• In "Personalization Menu" menu with B4 and B5 select "Amb Fan Speed" and click on "Set";</li> <li>• In this with B4 and B5 select submenu;</li> <li>• In this menu, use B4 and B5 to set the fan operating mode between Auto and Manu mode (0 to 5 - T300 and T400; 1 to 5 - T500)</li> </ul>
	<ul style="list-style-type: none"> <li>• In "Personalization Menu" menu with B4 and B5 select "Canalization" and click on "Set";</li> <li>• In this with B4 and B5 select submenu "Canalization";</li> <li>• Here with B4 and B5 set operating mode of cooling fan between Auto and Manu mode (power between 0 to 5)</li> </ul>
	<ul style="list-style-type: none"> <li>• In "Personalization Menu" menu with B4 and B5 select "Fan Calibration" and press "Set";</li> <li>• In this menu with B4 and B5 select submenu "Room Thermostat";</li> <li>• In this menu with B4 and B5 you can set the target comfort temperature between 10 and 40°C.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Personalisation Menu" with B4 and B5 select "Remote Control" and press "Set";</li> <li>• In the "Remote Control" menu with B4 and B5 you can activate or deactivate the Remote Control.</li> </ul>

	<ul style="list-style-type: none"> <li>• In the "Personalization Menu" with B4 and B5 select "Manual Load" and press "Set";</li> <li>• In the "Manual Load" menu with B4 and B5 you can activate, or, deactivate the Manual Load.</li> <li>• This is only available when the stove is in the OFF state.</li> </ul>
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## 20. Chrono

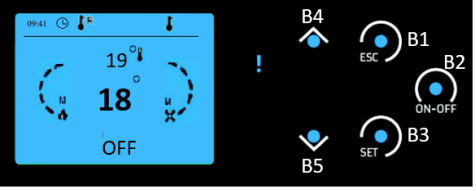
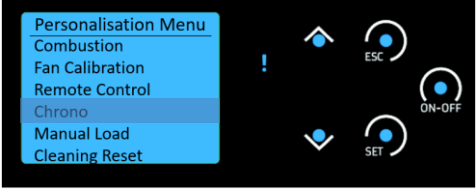
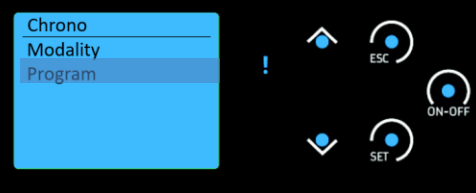

- The stove has a time switch that is used to turn the stove on and off. It can be daily (you can select the day of the week you want and set up to 3 different times for that day), weekly (you can select up to 3 times for one day, the same program will be applied every day of the week) and Week/weekend (you can select 3 times during the day for weekdays and weekends). After analysing the available options select the desired modality.

Function Chrono	Procedure
	<ul style="list-style-type: none"> <li>• In the initial menu, press key B3 once, and the Menu "Personalisation Menu" appears.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Chrono" menu with B4 and B5, select the Mode submenu.</li> <li>• Press "Set" to confirm.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Chrono" menu with B4 and B5, select the Mode submenu.</li> <li>• Press "Set" to confirm.</li> </ul>

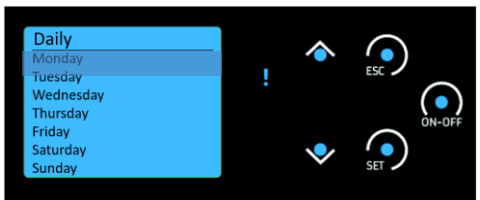
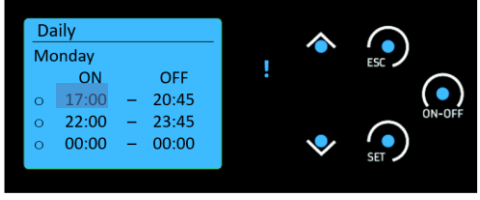
	<ul style="list-style-type: none"> <li>• In the "Modality" menu with B4 and B5, select the desired mode; Press "Set" to validate;</li> <li>• The chosen programme will be saved and will be signalled by the symbol &lt;&lt;.</li> <li>• To activate the Chrono, press the B2 On/Off button. After activation, the display will show "Activated" and the led  in the initial menu will become active.</li> </ul>
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**AFTER DEFINING THE DESIRED CHRONO MODALITY, DEVELOP THE RESPECTIVE PROGRAMMES.**

**THE FOLLOWING IS AN EXAMPLE OF THE CREATION OF A DAILY PROGRAMME, IN THIS CASE MONDAY.**

Function Chrono	Procedure
	<ul style="list-style-type: none"> <li>• In the initial menu, press key B3 once and the "Personalisation Menu" appears.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Personalisation Menu" with B4 and B5, select the Chrono sub-menu.</li> <li>• Press "Set" to confirm.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Chrono" menu with B4 and B5, select the Chrono Program sub-menu.</li> <li>• Press "Set" to confirm.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the menu "Chrono" with B4 and B5, select Daily, Weekly, or Weekend (you must respect the mode already selected;</li> <li>• In this case, the daily programme is exemplified</li> <li>• Click on "Set" to validate.</li> </ul>



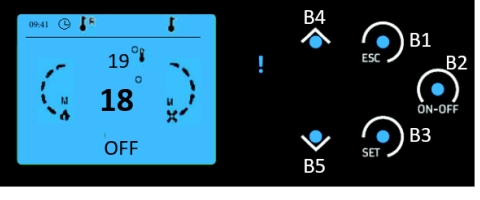
	<ul style="list-style-type: none"> <li>• In the "Daily" menu with B4 and B5, select the required day of the week;</li> <li>• Press "Set" to confirm.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Daily" menu with B4 and B5 select start time;</li> <li>• Press "Set" to edit;</li> <li>• Use B4 and B5 to select the required time;</li> <li>• Validate with B2 the developed program line (the point "○" remains filled '●');</li> <li>• Repeat the process for End Time and other available times if applicable.</li> </ul>

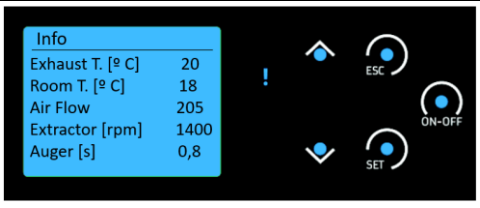

- Repeat the above process for all desired days.
- When programmes are developed around midnight with the intention of starting operation the day before and finishing operation the day after will be relevant:
  - End the last programme the day before by 23:59;
  - Start the first programme the next day at 00:00.

**IN THE WEEK AND WEEK/WEEKEND MODES, THE EXECUTION OF PROGRAMMES FOLLOWS THE SAME LOGIC AS EXEMPLIFIED ABOVE.**

## 21. User Info

- In this menu the user can view some information about the stove, about the measured values and about the electronics.

<u>User Information</u>	<u>Procedure</u>
	<ul style="list-style-type: none"> <li>• In the initial menu, press key B4 or B5 once and the "Information" menu appears.</li> </ul>

	<ul style="list-style-type: none"> <li>• In the "Info" menu with B4 and B5 scroll down to check the different variables;</li> <li>• The value displayed is the value measured On-Line.</li> </ul>
	<ul style="list-style-type: none"> <li>• In the "Info" menu with B4 and B5 scroll down to check the different variables;</li> <li>• The value displayed is the value measured On-Line.</li> </ul>

- The following table explains the meaning of each of the variables.

Smoke Temperature [°C]	Read in degrees Celsius (°C) it tells you the exhaust temperature monitored by the thermocouple.
Room Temperature [°C]	This is read in degrees Celsius (°C) and gives the ambient temperature monitored by the NTC probe placed outside the stove.
Airflow	Read as a dimensionless quantity, this tells you the air flow into the stove.
Extractor [rpm]	Read in revolutions per minute and gives the rotation speed of the extractor.
Worm [s]	Read in seconds, it tells you the time within a 4 second period that the worm motor is active and feeding pellets to the burner.
Service [h]	Read in hours shows the number of hours remaining to show faults due to lack of maintenance. These must be calibrated by the technical service during maintenance. The maintenance period must be in accordance with the kilos of pellets burned.
Working Time [h]	Read in hours tells you the number of hours in On, modelling and security.
Ignitions [nr]	Read in number of occurrences tells how many ignitions have been carried out since they were fired.
Article Code	Product Code

**Table 4 - Meaning of variables**

## 22. Product Code

- The following table shows the code of each product.

Artic. Code 494-1	Stove Fogo Montanha T300
Artic. Code 494-2	Stove Fogo Montanha T400
Artic. Code 494-3	Pellet insert Fogo Montanha PI700

**Table 5 - Coding of articles**

## 23. Anomalies

Anomalies
<ul style="list-style-type: none"><li>Sond – Failure to check the probes during the check-up process.</li></ul>
<ul style="list-style-type: none"><li>Ignition Lock – When an external device (e.g., App, or, Chrono remote) tries to deactivate the equipment during the ignition process. The System will only stop when it reaches the Run Mode phase displaying the message Ignition Block.</li></ul>
<ul style="list-style-type: none"><li>Link Error – When there is no communication between the Motherboard and the Display Board.</li></ul>
<ul style="list-style-type: none"><li>Cleaning – Cyclical cleaning period.</li></ul>
<ul style="list-style-type: none"><li>Blinking Hours – Incorrect time and date in the event of prolonged power failure.</li></ul>

### THE ANOMALIES DO NOT CAUSE THE EQUIPMENT TO SHUT DOWN.

- To switch off the device, in case of emergency, you must perform the normal shutdown of the equipment. To do this, press the off button for 3 seconds and allow it to deactivate until the word off appears on the display.

## 24. List of Alarms / Failures / Recommendations

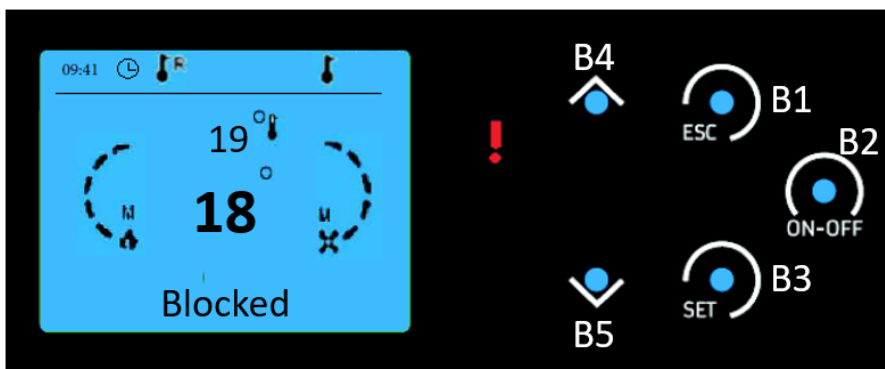
- All alarms cause the machine to switch off with information about the error and activation of the alarm led. It will be necessary to reset the alarm and restart. To reset the machine, press the "On/Off" button for 3 to 4 seconds until you hear a beep accompanied by the message "Reset alarms in progress";
- If the resetting of alarms is successful, new information is shown - Reset alarms Successful;
- In the Off state if for any reason the fume temperature rises above 85°C (Th01) the stove enters the off mode.

Alarm	Code		Troubleshooting
Excess heat in the pellet drum	Er01	110 °C, even with the equipment off	<ul style="list-style-type: none"> <li>- The ventilator is not working – call for assistance.</li> <li>- Faulty thermostat – call for assistance.</li> <li>- Unit with faulty ventilation.</li> </ul>
Pressostat alarm	Er02	Door open, no depression or faulty extractor for 180 s Only visible if puller is set to On	<ul style="list-style-type: none"> <li>- Close the door and clear the error message.</li> <li>- Obstruction on the exhaust pipe or faulty extractor.</li> </ul>
No flame or insufficient quantity of pellets	Er03	Smoke temperature below: 55°C (Th03)	<ul style="list-style-type: none"> <li>- Worm drive channel empty</li> <li>- Thermocouple defective;</li> <li>- Worm drive channel clogged</li> </ul>
Excess temperature fumes	Er05	Over 300 °C	<ul style="list-style-type: none"> <li>- The ventilator does not work or is at a low power level – increase the power level to maximum power (if the problem persists, call for assistance).</li> <li>- Insufficient extraction.</li> <li>- Excess quantity of pellets.</li> <li>- Fume probe faulty.</li> </ul>

Fume extractor failure	Er07	No rpm signal. Allows unlocking and working by voltage in a provisional way P25=0.	<ul style="list-style-type: none"> <li>- Check connection</li> <li>- Check that the fan is not blocked</li> <li>- After remedying fault re-select operating mode P25=2</li> </ul>
Fume extractor encoder error	Er08	Encoder has signal but failed regulation Enables to unlock and work temporarily by voltage P25=0	<ul style="list-style-type: none"> <li>- Exhaust pipe obstruction or extractor defective</li> <li>- After remedying fault re-select operating mode P25=2</li> </ul>
Ignition failure	Er12	Maximum time: 900 s and Smoke temperature less than 50°C	<ul style="list-style-type: none"> <li>- Empty worm channel - restart</li> <li>- Heating element burnt out - replace heating element</li> <li>- Firing basket incorrectly placed</li> <li>- Fume temperature did not exceed the value set at switch-on</li> </ul>
Supply voltage failure	Er15	Power cut for time exceeding 50 min	<ul style="list-style-type: none"> <li>- Check supply voltage with the electricity supplier;</li> <li>- Check that electrical appliances are being used at the same time.</li> <li>- In the event of a short power failure (&lt;10s) the stove continues to work normally;</li> <li>- If the system was in the ON state and the power failure occurs for more than 10s and less than 50 min, the stove will switch on after blackout</li> </ul>
Communication failure with LCD control	Er16		<ul style="list-style-type: none"> <li>- Check connection between board and display</li> </ul>
Pressure differential sensor damaged	Er39	The combustion regulation is interrupted and the stove will work with the factory standard values entering stand by until Tfumos <85°C (Th28).	<ul style="list-style-type: none"> <li>- Check connection between plate and pressure differential sensor;</li> <li>- Check pressure differential reading</li> <li>- Check for possible clogging or throttling of the measuring heads</li> </ul>

Minimum/reference value for the differential sensor not reached during the CheckUp phase	Er41	Value of 70 not reached (FL20) Regulation is stopped and the greenhouse will go into extinction	<ul style="list-style-type: none"> <li>- Check connection between plate and pressure differential sensor;</li> <li>- Check for possible clogging or throttling of the measuring heads.</li> </ul>
Maximum/reference value for differential sensor reached	Er42	Regulation is interrupted and the stove will go extinct.	<ul style="list-style-type: none"> <li>- Check connection between plate and pressure differential sensor;</li> <li>- Check for possible clogging or throttling of the measuring heads.</li> </ul>
Service	Service	Maximum 2100 hr Hours (T66) planned for maintenance achieved.	<ul style="list-style-type: none"> <li>- Contact your installer or repairer for occasional preventative maintenance on the equipment.</li> </ul>

**THE MAINTENANCE FAILURE MESSAGE (“SERVICE” MESSAGE ON THE DISPLAY) MEANS THAT THE UNIT’S OPERATION HOURS EXCEEDED OVER 2100 HOURS OF OPERATION. YOU SHOULD PERFORM THE UNIT’S MAINTENANCE FIRST AND THEN RESTART THE HOUR METER TO CLEAR THE FAILURE MESSAGE. THIS DOES NOT AFFECT THE NORMAL OPERATION. IT’S ONLY A WARNING.**



## 25. Instruction for installing the T300 and T400 casings

Before proceeding with the installation of the enclosures, you should immediately check that the packaging is complete and in perfect condition, any damage or missing elements should be reported and marked before proceeding with the installation.

This manual will show you how to install the covers on the T300 or T400 FOGOMONTANHA units.

In this equipment it is possible to implement the covers.

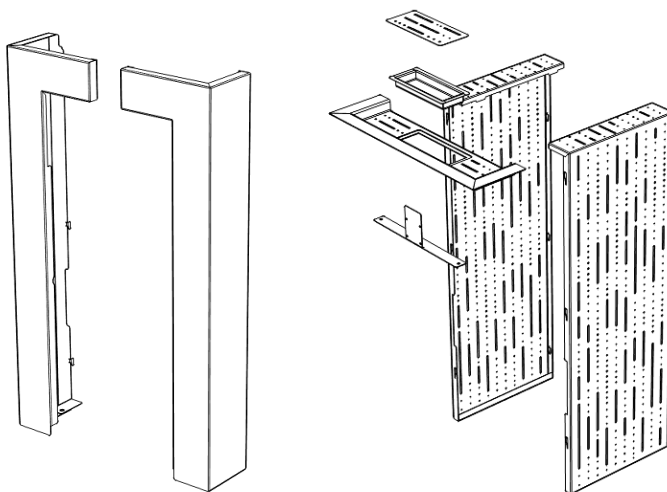
The installer must have available to proceed with the assembly of the covers:



**Figure 26 - Material required to install the casings**

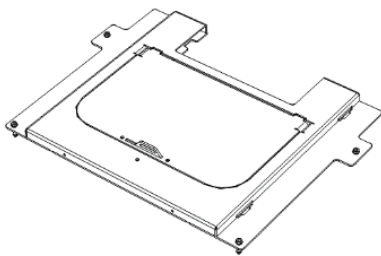
**VERY IMPORTANT: Before installing the enclosures, the machine must be turned off (remove the power plug).**

To assemble the casings, it is necessary that each kit contains the following parts:

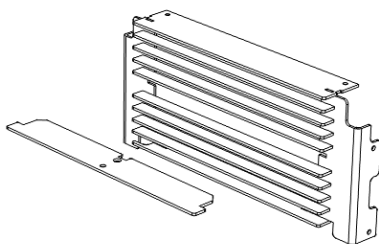


CA01050060 – Frame White 8kW  
CA01050049 – Frame Oak 8kW  
CA01050048 – Frame Cream 8kW  
CA01050095 – Frame White 10kW  
CA01050098 – Frame Oak 10kW  
CA01050096 – Frame Cream 10kW

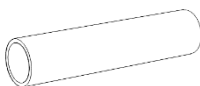
CA01050197 – Rear Side and Top Cover Frame T400  
CA01050204 – Rear Side and Top Cover Frame T300



**CA01050195 – Top Cover K300/K400  
Pine/Leaf/Aspen/Frame**



**CA01050191 – Grid T300  
CA01050194 – Grid T400**



**PA1060G008 – Handle Cover Black  
PA1060G011 – Handle Cover Beige  
PA1060G007 – Handle Cover White**



**(A) 6x Screws DIN 912 M5x14**



**(B) 2x Nuts M6 DIN 6923**



**(C) 4x Screws DIN 7981 4,2x9,5**

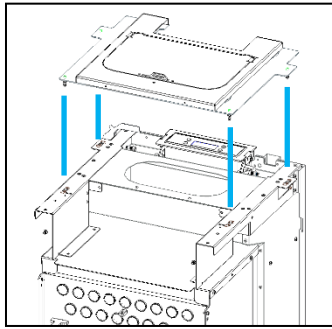


**(D) 1x Screw ISO 7380 M8x16**

**1x Casing set**

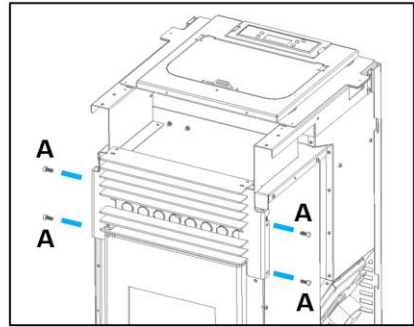
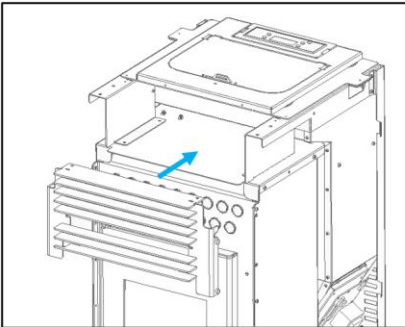
a) Fit the worktop as shown in the following figure. To ensure that the worktop is properly in place, it has four pins on the underside which must engage with the springs on the frame.





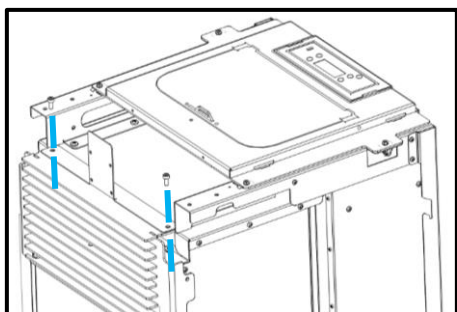
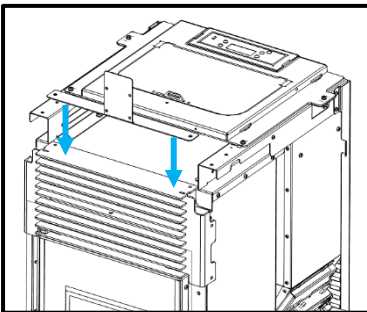
**Figure 27 - Placing the top cover**

- b) Fit the front grille, matching the holes of the grille with the holes of the unit and fix it using four A screws (DIN 912 M5x12) as shown in the following figure.



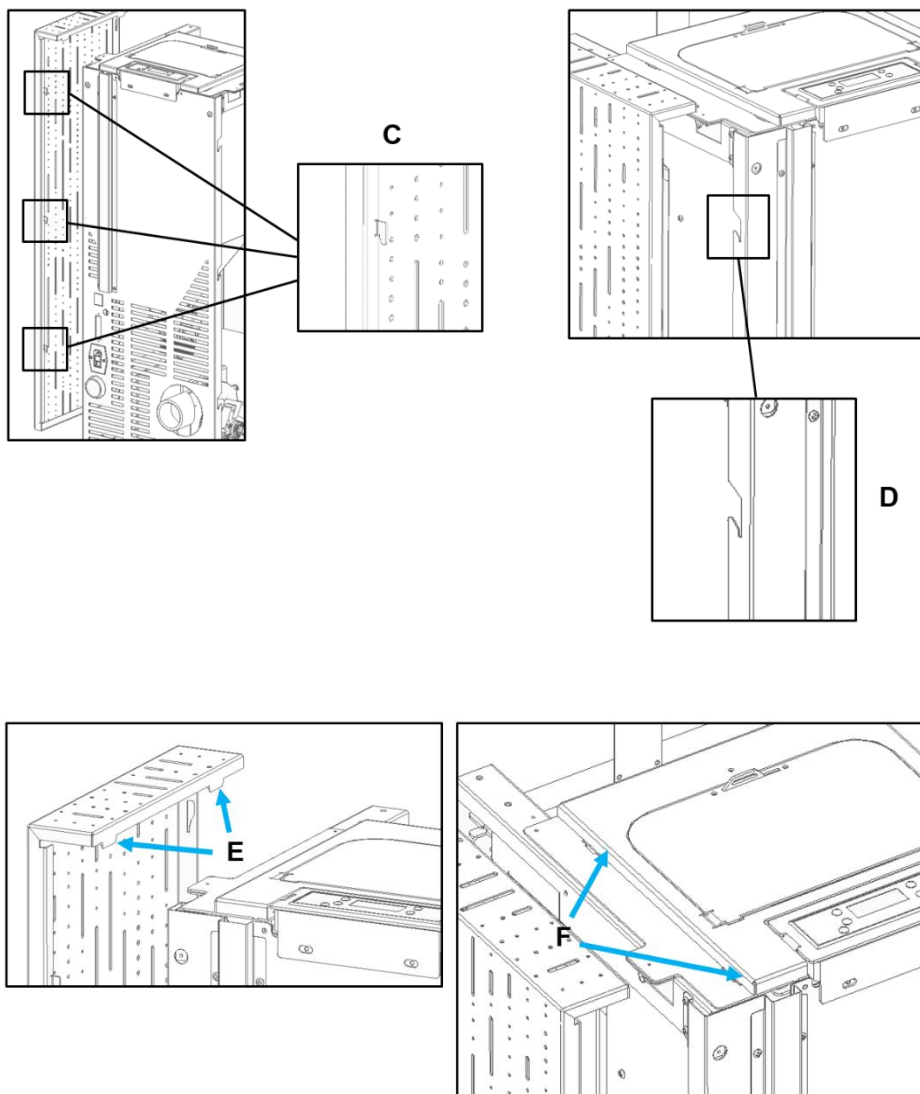
**Figure 28 - Fitting the front grille**

- c) Fit the T-shaped part, matching the holes of this part with the upper holes of the front grille and fix it using two A screws (DIN 912 13x5.5), as shown in the following figure.



**Figure 29 - Fitting the T-piece**

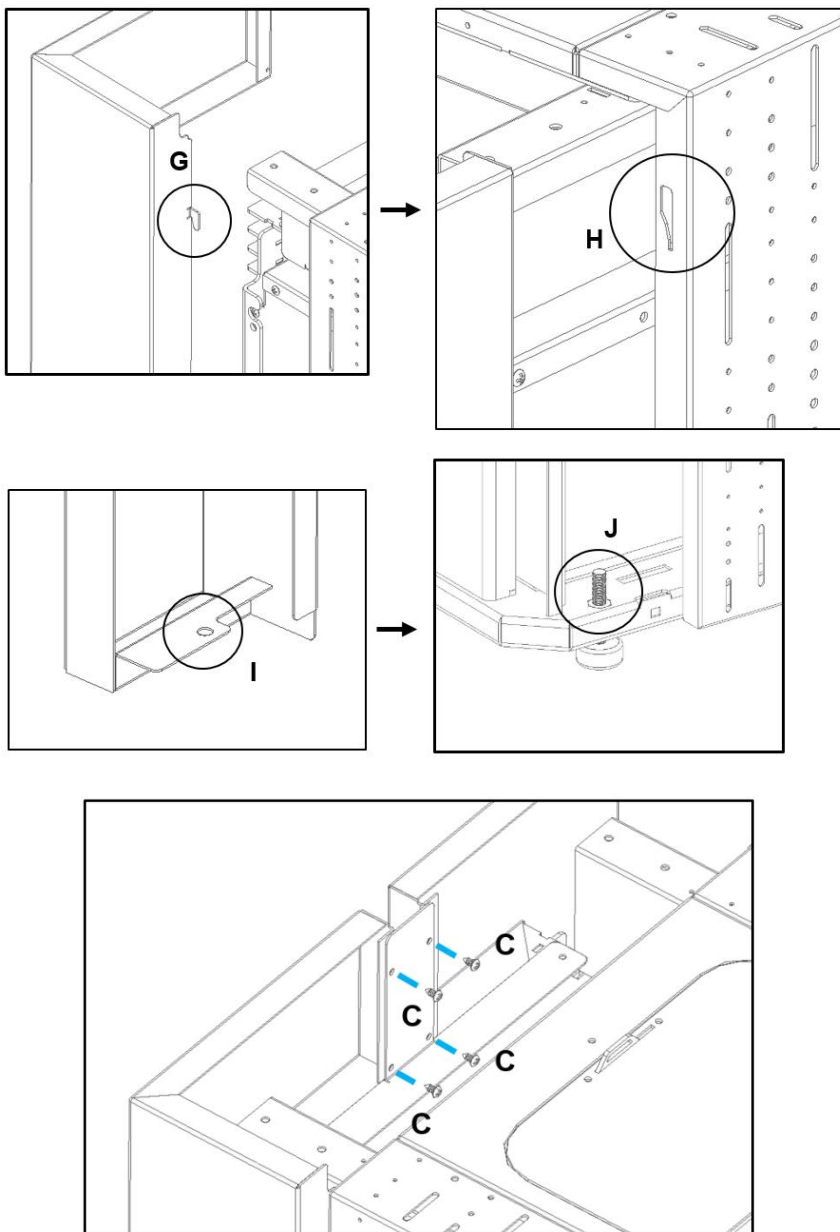
d) Then place the side covers. First fit the supports **C** into slots **D** and then, working downwards, fit the supports **E** of the side covers into slots **F** in the worktop, as shown in the following figures.



**Figure 30 - Placing the side covers**

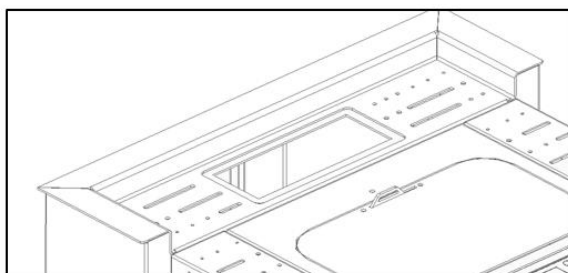
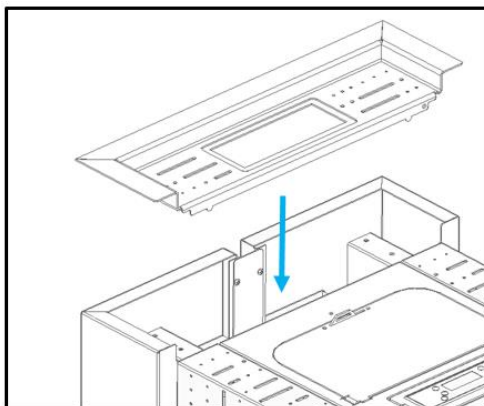
e) Then fit the front covers.

First fit the supports **G** into the slots **H** and then, working downwards, fit the holes **I** of the front covers into the guides **J**, which are at the bottom of the machine, as shown in the following figures.



**Figure 31 - Placing the front covers**

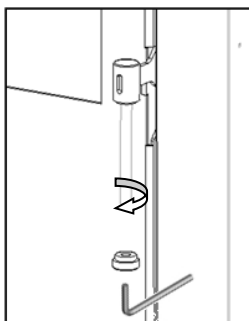
f) Then fit the top plate as shown in the following figures (T300, item C contains 2 screws, T400, item C contains 4 screws).



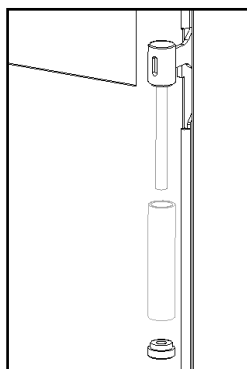
**Figure 32 - Placing the humidifier**

g) To complete the installation of the enclosures, we will proceed with the installation of the handle, following the steps described below.

Remove the handle base with the hexagonal key (Figure 33 a) and place the handle tube (Figure 33 b), re-tighten the handle base in the opposite direction to Figure 33 a.



**a)**



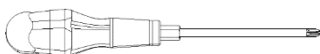
**b)**

**Figure 33 - Fitting the handle**

## 26. Instruction for installing the T500 casings

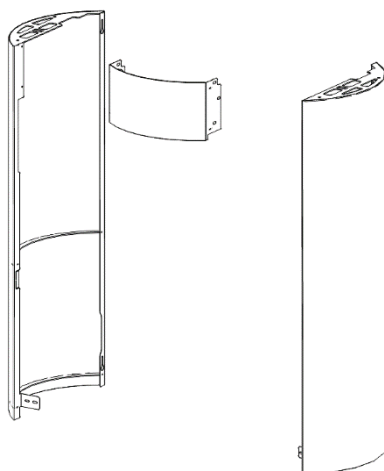
Before installing the casings, you must immediately check that the packaging is complete and in perfect condition, any damage or missing elements must be reported and marked before installing them. This chapter will show how to install the casings in the T500 stove.

For the assembly of the covers, the installer must have the following tool available:



Star shaped screw driver  
PH3 screw

**Figure 34 - Fitting the handle**

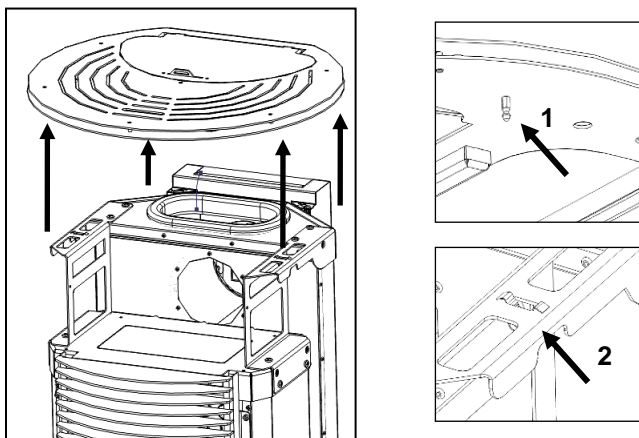


**CA01050099 – Tube Vitro (T500)**  
**CA01050138 – Tube White (T500)**  
**CA01050139 – Tube Bordeaux (T500)**  
**CA01050140 – Tube Black (T500)**



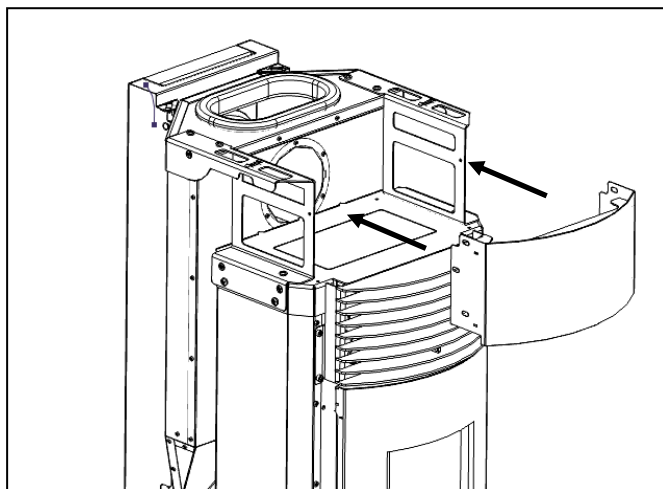
**A) - 8x Screws DIN 7981 5,5 x  
13**

a) Remove the upper part of the unit, undoing the pins **(1)** of the springs **(2)** existing in the structure by exerting force in the upwards direction.



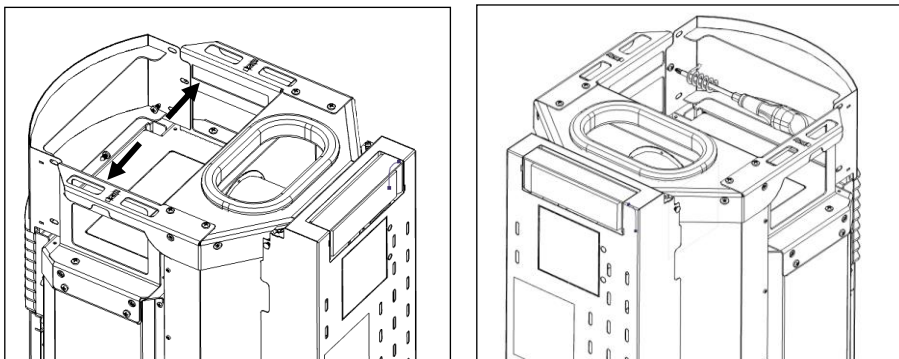
**Figure 35 - Removing the top cover from the T500**

b) Place the upper front as shown in Figure 36, positioning the tabs of the front piece on the inner face of the frame.



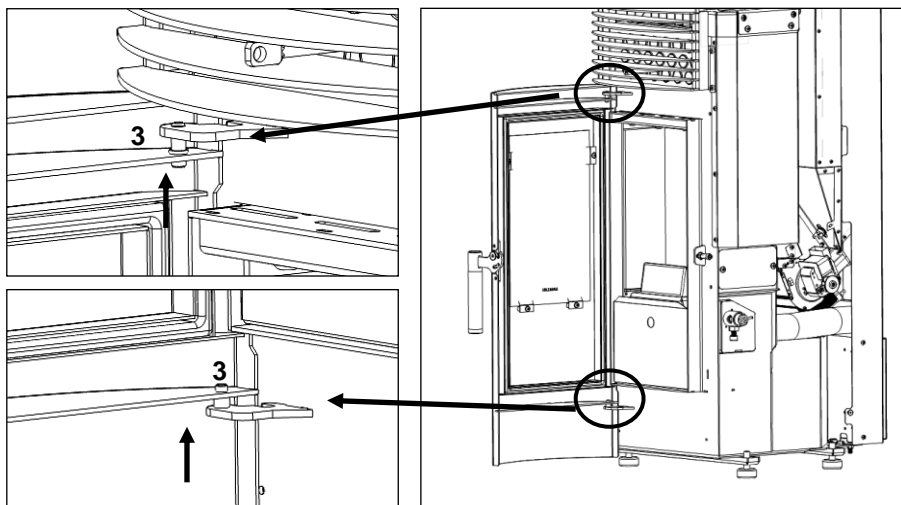
**Figure 36 - Fitting the front of the frame**

c) Screw the front end to the frame using the two screws **(A)** provided in the kit (Do not screw the front end all the way down as it may be necessary to make a small adjustment to the cover, see point "i").



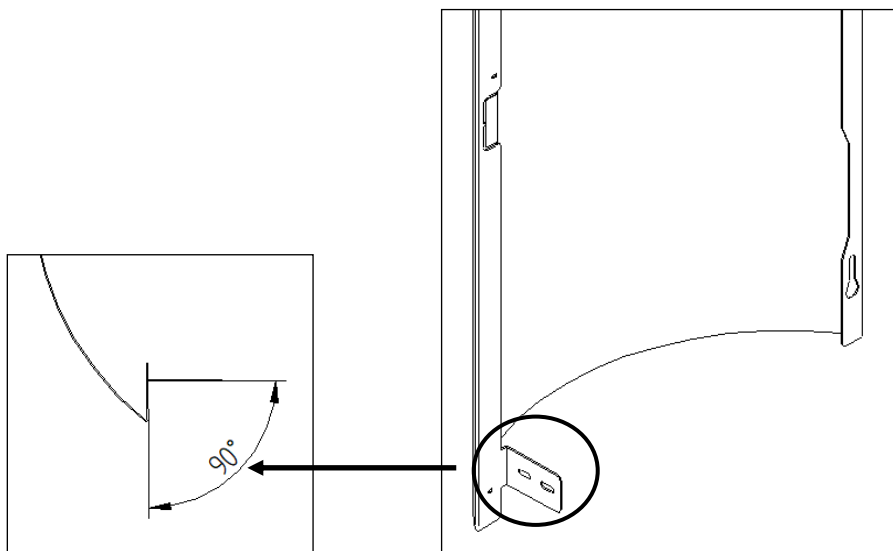
**Figure 37 - Fixing the front**

d) Open the door and move upwards to remove the pins **(3)** of the door from the supports on the structure.



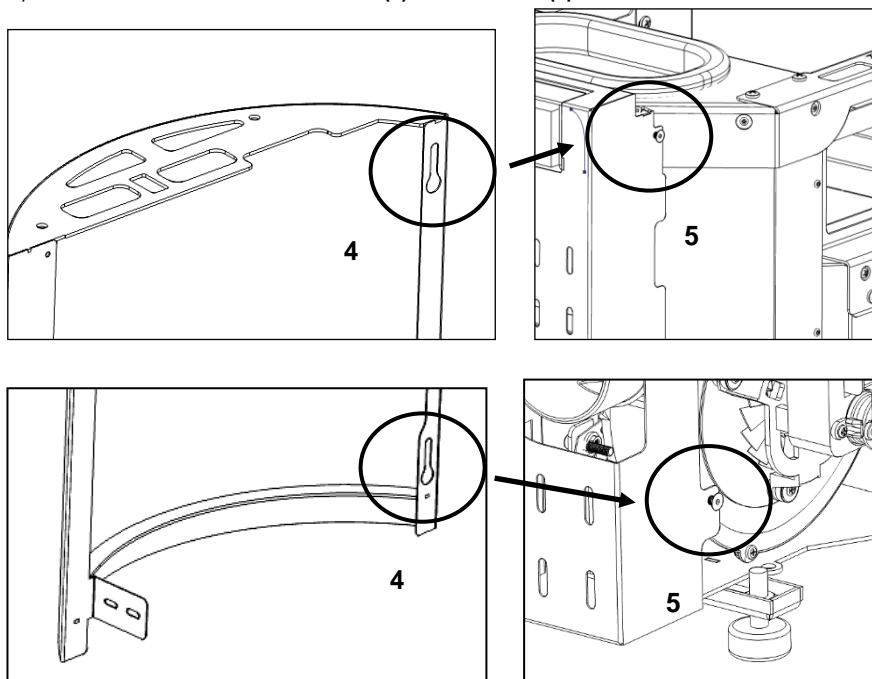
**Figure 38 - Removing the door**

e) To fit the side covers, first bend the tab as shown in figure 39 to ensure that it is at an angle of less than 90°.



**Figure 39 - Tab angle**

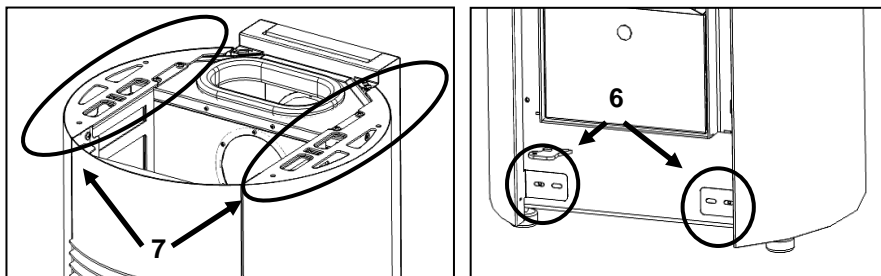
f) Insert the slots at the back of the covers **(4)** into the screws **(5)** at the back of the unit.



**Figure 40 - Fitting the side cover**

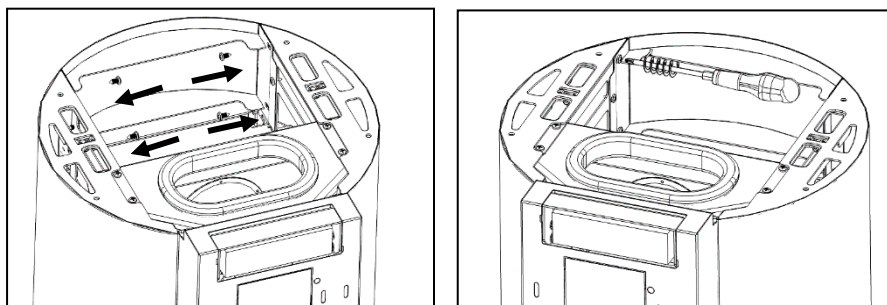


g) When fitting the covers, check that the tabs at the bottom overlap the combustion chamber (6) and that the upper parts rest on the frame of the unit (7).



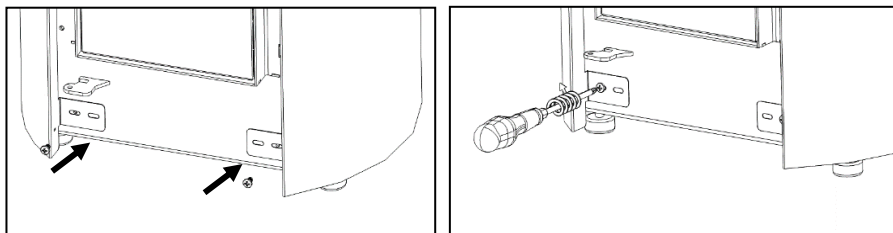
**Figure 41 - Fitting the side cover**

h) Screw the cover to the finish plate using the four screws (A) provided in the kit (see point "i").



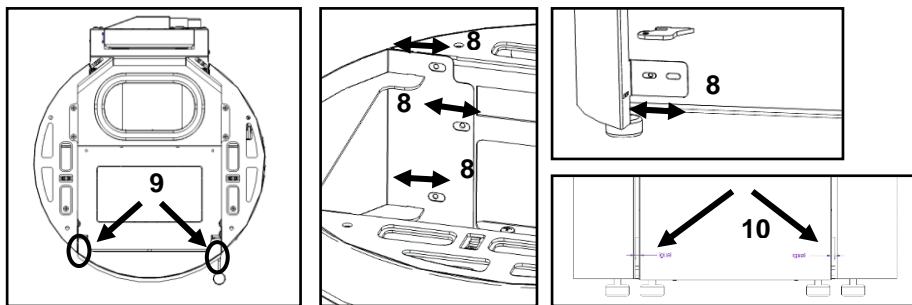
**Figure 42 - Fixing the cover to the front**

i) Screw the cover to the front of the unit using the two screws (A) provided in the kit (see point "i").



**Figure 43 - Fixing the cover to the front**

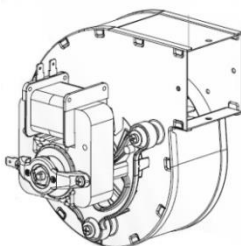
j) In the lateral surround and in the finish front there are some oblong holes (8) that help in the alignment of the enclosures to the finish front (9) and also to guarantee the equal spacing between the enclosures and the door (10), to finish the assembly, place the worktop in the opposite direction shown in point "A".



**Figure 44 - Tuning the covers to the equipment**

## 27. Installing the ductable air (article code: PA1090G030 optional only T500)

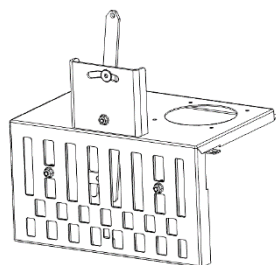
Make sure the auxiliary ventilator kit includes the following components:



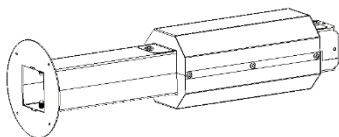
**1x ventilator**  
(CO0308000000000)



**1x Air outlet duct Ø 100 mm**  
(CO0503380120601)



**1x Air dumper**  
(IC0427000260000)



**1x Air guide**  
(IC0409000260001)



**1x Power cable**  
(IC5150000000052)



**6x Screws A**  
(CO0704130601319)



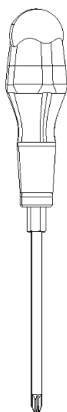
**8x Screws B**  
(CO0704130401024)



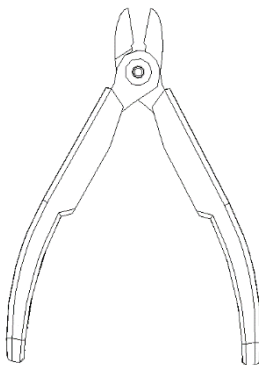
**2x Clamps**  
(CO0702003614023)

**Figure 45 - Accessories for the installation of the ventilation kit**

To install the ventilator, the installer must have available:



Star shaped screwdriver  
PH2 and PH3 screw



Cutting pliers or  
similar tool

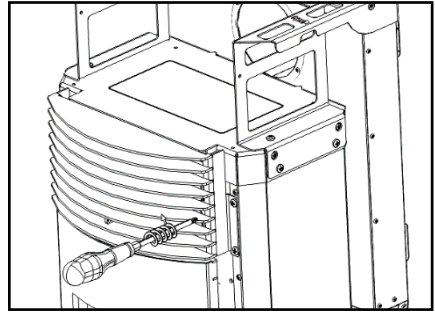
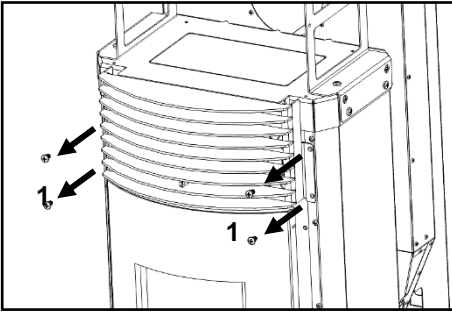


Hex wrench No. 4

**Figure 46 - Accessories for the installation of the ventilation kit**

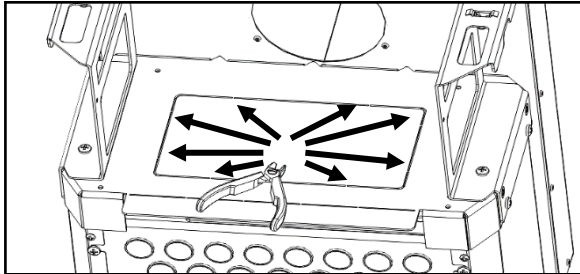
**IMPORTANT NOTICE: Before installing the ventilator, it is mandatory that the unit is turned off (unplugged from the power socket).**

a) Remove the side covers and the front of the equipment. To do this, follow the reverse procedure of the instructions in section 11.4 of this manual if the casings are already in place. At the same time, remove the front grille of the equipment by removing the screws (1) using a Star shaped screwdriver PH3 or hex wrench No. 4.



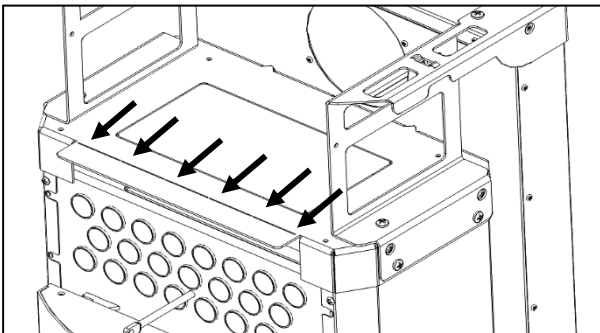
**Figure 47 - Removing the grid**

b) Remove the top cover of the combustion chamber, with the help of pliers cut the cover in the marked places, removing it.



**Figure 48 - Removing top cover**

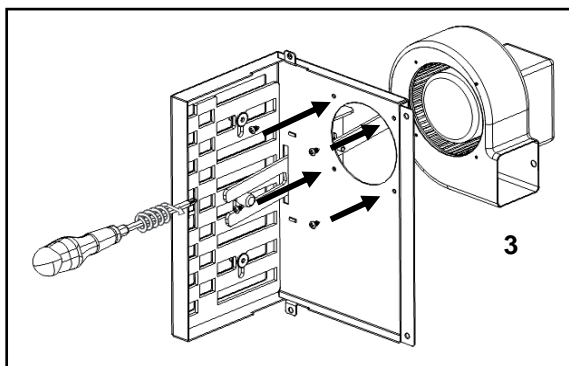
c) Remove the upper front visor from the combustion chamber by simply breaking the existing joints, you may need to use a cutting pliers.



**Figure 49 - Removing the front visor**

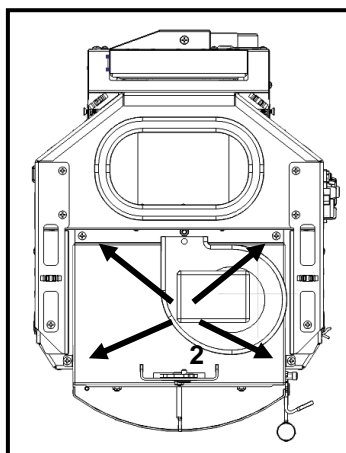
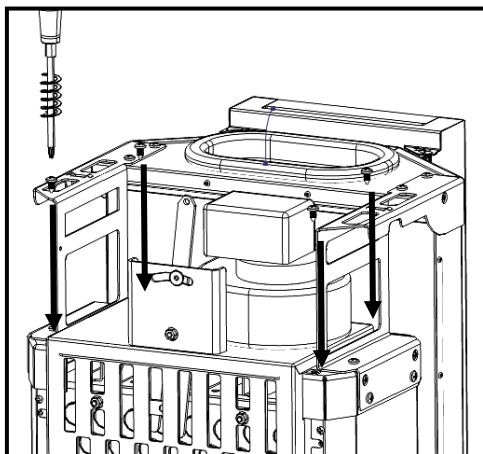
d) Tighten the fan on the support piece in the ventilation kit using 4 screws B (DIN 7981 4,2x9,5).

**Important note:** Attention should be paid to the position of the ventilator on the support piece.



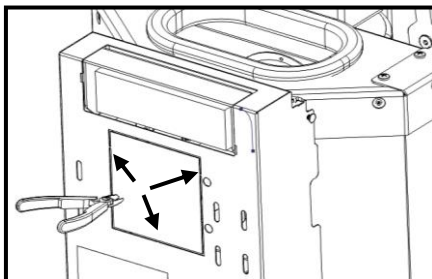
**Figure 50 - Securing the support bracket to the ventilator**

e) Tighten the Figure 50 assembly on the top face of the combustion chamber using 4 screws **A** (DIN 7981 5,5x13) in the holes prepared for this purpose (2).



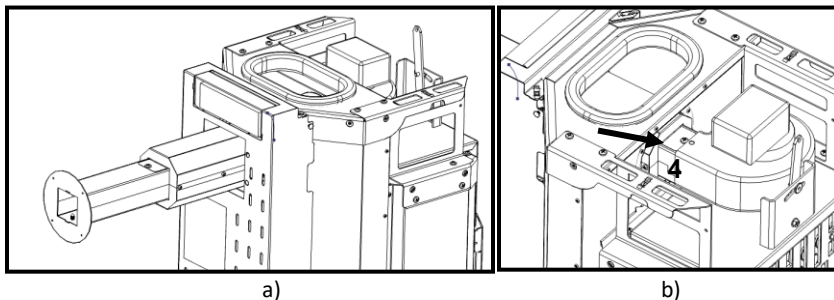
**Figure 51 - Fixing the ventilator to the equipment**

f) Remove the rear lid from the unit's chassis marked in Figure 52, by cutting the identified areas using a pair of pliers.



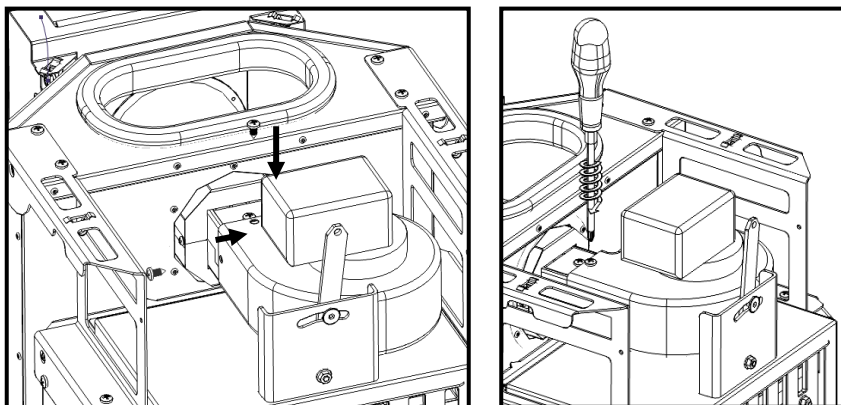
**Figure 52 - Removing the rear lid of the equipment**

g) Fit the ductable air guide kit into the rear panel of the unit, making sure you insert it into the internal part of the ventilator's air outlet duct (4).



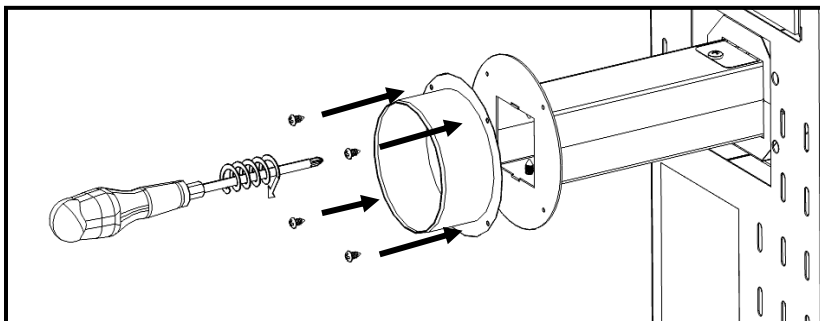
**Figure 53 - Fitting the air guide to the free-standing fire unit**

h) Screw the accessory on the ventilator using 2 screws A (DIN 7981 5,5x13).



**Figure 54 - Fitting the air guide to the free-standing fire unit**

i) Screw the air outlet duct in the ductable air guide using 4 screws B (DIN 7981 4,2x9,5).



**Figure 55 - Securing the air outlet duct to the free-standing fire unit**

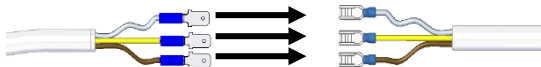
## 27.1. Electrical connections

j) The unit is equipped with a cable attached that allows you to connect the ventilator to the electronic control unit. You need to connect the terminals of the connection cable in the kit to the terminals in that cable.

**Important note: The connections must respect the colour system.**

(The attached cable is located near the base of the unit)

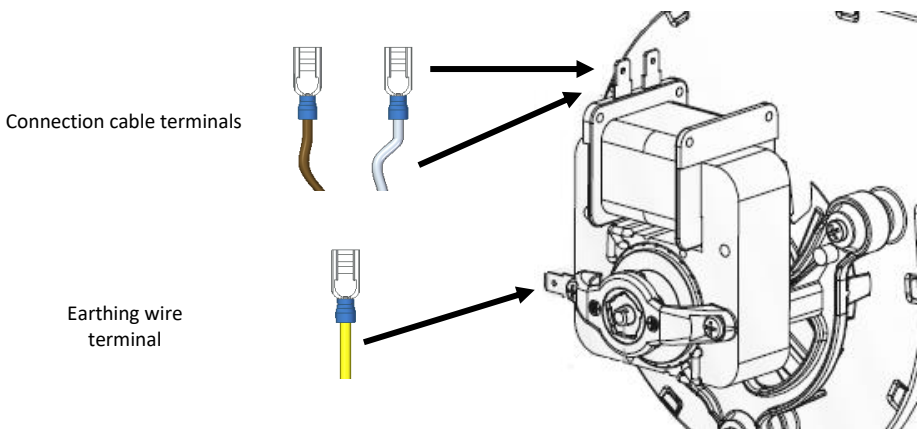
Fan cable  
terminals



Built-in cable  
terminals

**Figure 56 - Connecting the ventilator cable to the unit**

k) The attached cables terminals as they connect to the ventilator, as illustrated in the Figure.

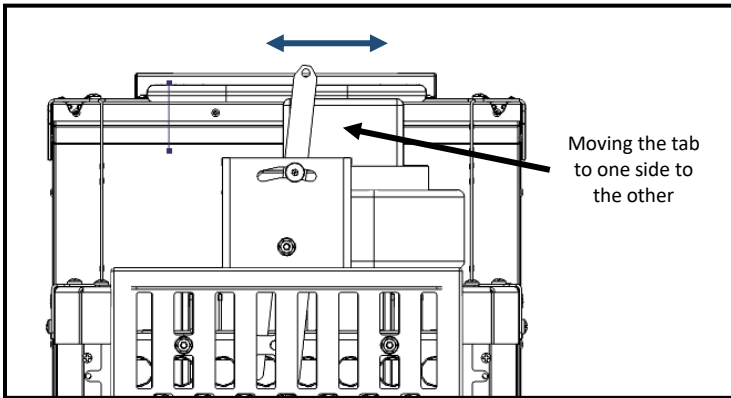


**Figure 57 - Connecting the cables to the ventilator**

**IMPORTANT NOTICE: The cables must not be in contact or in close proximity to very hot surfaces. Please keep them as far as possible (In the kit there are two cable ties that allow the cables to be moved away from the hot zones).**

l) To complete the assembly of the ductable air kit, you must mount the front grille by performing the procedure opposite to that of paragraph a). Then carry out the procedure described in point 11.4 and reattach the casings.

**IMPORTANT NOTICE: When attaching the upper lid, check if the ductable air damper is in operation.**

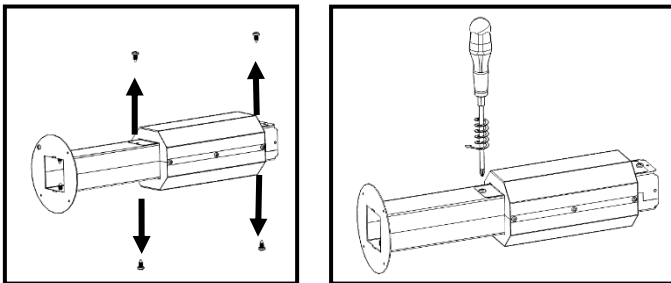


**Figure 58 - Check the ductable air damper**

## 27.2. Adjustable ductable air inlet

The user can adjust the size (reduce the size) of the part, if necessary, for this to happen, the part must be cut at the marked location.

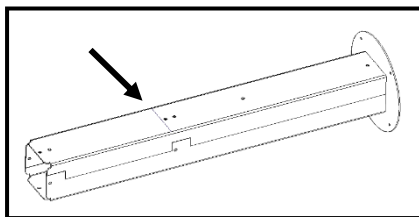
a) Disassemble the upper covers on the pipe, carefully removing the parts, as there is thermal isolation inside and it can be damaged.



**Figure 59 - Disassembling the thermal isolation**

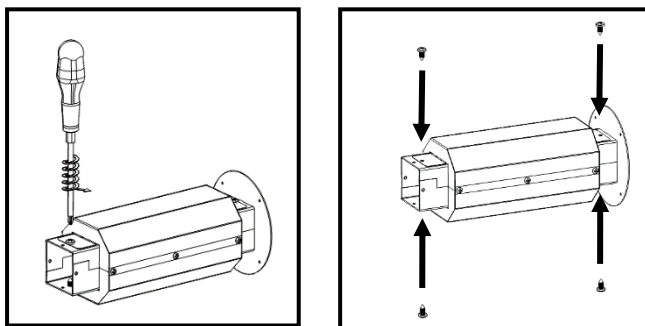
b) To cut the pipe through the marked area, a cutting instrument is required, e.g., an iron cutting saw, or a grinder with a 1 mm cut-off wheel.





**Figure 60 - Piece cutting zone**

c) Reassemble the covers in the holes prepared for this purpose. Install the channel following the instructions in point 27.



**Figure 61 - Reassembly of the thermal isolation**

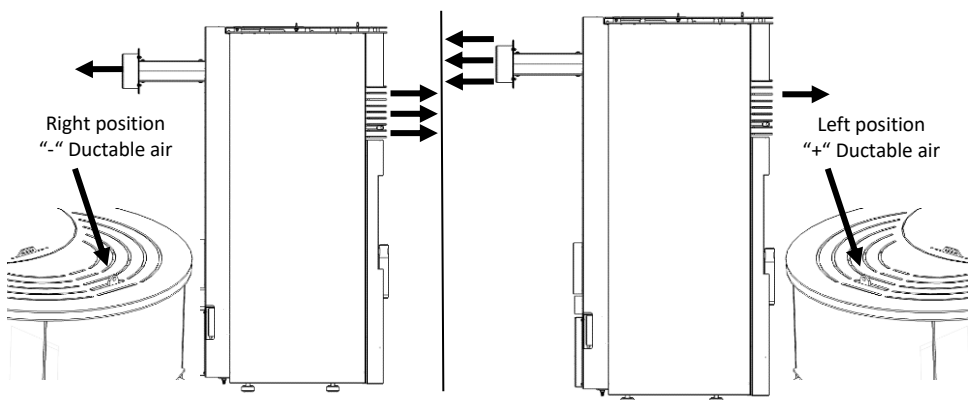
## **28. Recommendations for the installation of the ductable air (T500)**

It is recommended that the installation of ductable air is carried out by an accredited professional or installer in order to be properly sized.

The maximum length of the pipe is 7m. The pipe must be resistant to temperatures of at least 200°C. The installation requires a Ø100mm exit, so the unit must be adapted to have this type of exit.

When installing the optional ventilator, check if the ductable air damper is in operation (Figure 62).

While the unit is in operation, the user has the option to choose to extract "+" or "-" ductable air into the room where the unit is installed or into a room where the ductable air is directed to, by switching the damper's position.



**Figure 62 - Adjusting the ductable air damper to “+” or “-”**

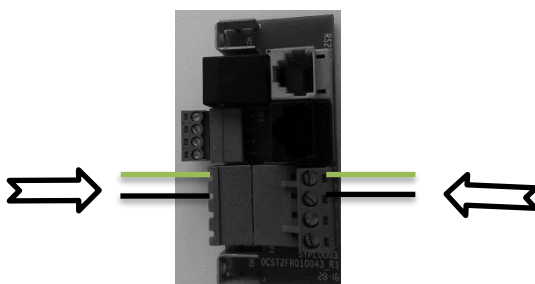
The user can adjust the speed of the ventilators depending on the desired airflow on the specified rooms.

## 29. Installing and operating with thermostat chrono - optional

- The pellet stoves are supplied with a display as standard. Alternatively, the stove can be used with the application of a generic external control (Figure 63-a) (thermostat chrono). This type of device is not supplied by Fogo Montanha Note: the external control is usually supplied with a manual. To use the external control, it is necessary to fit an interface (Figure 63-b).



a)



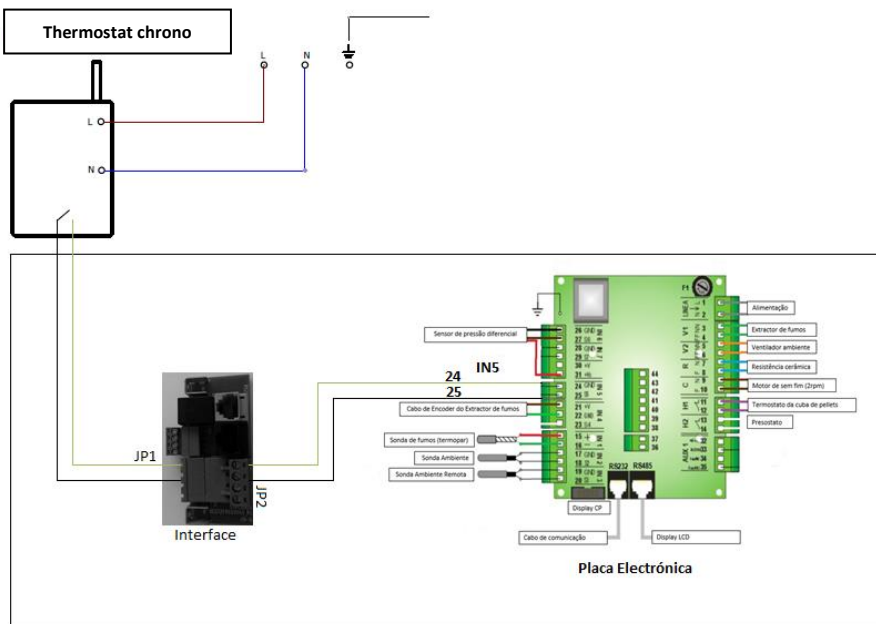
b)

**Figure 63 - External control (chrono-thermostat) and connection interface**

- The normally open contact of the chrono-thermostat must be installed in b) using the available interface (marked with an arrow);
- Subsequently, the connection between the interface and the IN5 contacts (contacts 24 and 25) on the electronic board must be made (see section 31 - Appendices - Electronic board diagram) as shown in the diagram below.

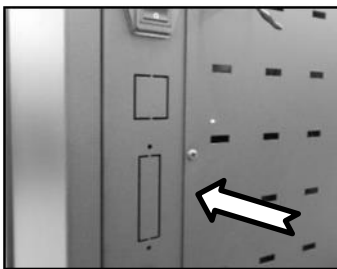


**Important note:** do not connect 220V electrical current to the connection interface.



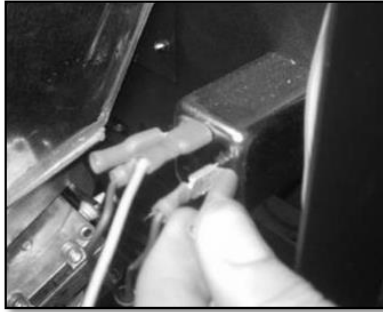
### 30. Instructions to assemble the remote control

- No external control device, such as a chrono-thermostat, is provided for switching the stove on and off.
- This procedure is possible and has its own interconnection (see point 25).
- If required, given the micro-junctions available, it is possible to use the input filter for external 220 V power supply to the external chrono-thermostat. The following is an example of the technical procedure to be followed.
- Switch off the appliance at the main switch and remove the mains plug from the power supply. Remove the right-hand side of the pellet stove and the micro-griddle.



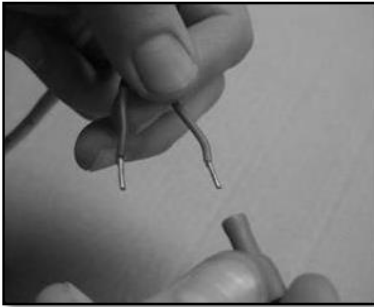
a)

- Remove the unit's terminals phase (F) and neutral (N).



b)

- Crimp the terminals to the cable that supplies the transmitter with 220V power.

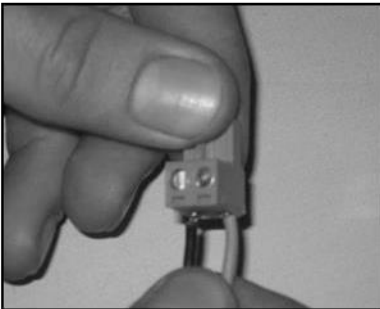


c)

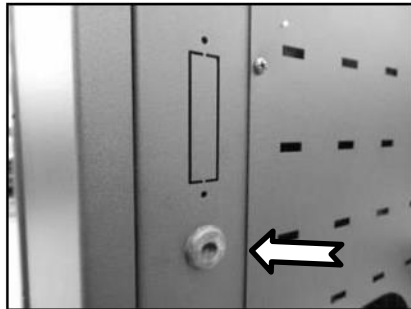


d)

- Direct the wires through the groove on the side to the interior of the unit (d).



e)



f)

**Figure 64 - Installing the programmable thermostat**

- Mount the interface at the appropriate location on the unit and position the remote control (On/Off contact) switch to "remote" (Figure 64-j).

### **31. Installing safety optional – UPS connection kit**

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- In general, it is always advisable to use a current stabiliser or UPS to ensure the proper functioning of all electrical components.
- The use of an optional safety system such as a UPS, makes it possible to avoid the problems of power failures, thus guaranteeing that the smoke extractor will remain in operation in the event of a power failure and until the complete exhaustion of the stove's fumes, giving the user time to carry out the correct deactivation.
- The capacity of the UPS battery to be installed is at least 900 W.

### **32. For your security we remind you that:**

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- Make sure you fully read and understand the instructions contained in this manual before using the Free-Standing Pellet Stove as a biomass heating unit;
- The Free-Standing Pellet Stove is not intended for use by children or people physically and/or mentally challenged, or that are inexperienced or unfamiliar with using the unit, except when under supervision or after receiving proper training;
- Do not touch the Free-Standing Fire when barefoot or if any part of your body is wet or humid;
- Do not tamper with the safety devices or adjustment features without the manufacturer's authorization;
- Do not cover or reduce the size of the vents at the installation area;
- The installation of the Free-Standing Pellet Fire has clearance requirements for proper combustion, so the air tight isolation of the room where the equipment is to be installed or the existence of air extraction sources in the room may prevent the unit from working properly;
- The existence of vents is a requirement for proper combustion;
- Please keep the packing materials away from children;
- During normal operation, DO NOT open the door of the unit;
- Some parts may overheat during normal operation, so the direct contact with hot parts, such as the door handle and glass, should be avoided;
- Check for the existence of any obstructions to the fume duct before turning on the unit after a long idle period;
- This Free-Standing Pellet Fire unit is intended for residential use in areas with the adequate protections in place. Safety systems may be triggered, which will be turning off the unit. If this occurs, contact the technical assistance. Under no circumstances should you attempt to tamper with the safety systems;
- The Free-Standing Pellet Fire is a biomass heating unit equipped with an electric fume extractor. The occurrence of a power failure during its use may prevent the fume to be extracted, consequently causing the room to be filled with smoke. For this reason, a natural fume extraction system, like a chimney, is recommended;

- Fogo Montanha has an optional security system (additional electronic board) that allows you to connect your stove to a UPS and avoid the problems of power failure, which always guarantees that the smoke extractor will remain in operation in case of power failure and until the complete exhaust of the stove fumes;
- If you use your Free-Standing Pellet Fire when you are away from your home or do not watch the Stove, it is advisable to use the safety system indicated above for your complete safety in the event of a power failure;
- NEVER turn off an operating Free-Standing Pellet Fire unit by disconnecting the electric plug. The fume extractor on the Free-Standing Pellet Fire unit is a powered feature, so disconnecting the power plug will prevent the extraction of combustion fumes;
- The unit must be disconnected from the mains power before any maintenance procedures can be performed. Please allow the unit to cool down completely before any maintenance operation (if operating before);
- Never touch the interior of the unit without disconnecting it from the power mains.

### **33. Life cycle of a Free-Standing Fire unit**

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- About 90% of the materials used in the manufacture of these units are recyclable, thus contributing towards a reduced environmental impact and a sustainable development of our planet. End-of-life units should be returned to an authorised waste recycling processing system. We advise you to contact your local authorities for instructions.

### **34. Sustainability**

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- Fogo Montanha designs and manufactures biomass solutions and biomass-fuelled equipment's as a primary energy source. This is our contribution for the sustainability of our planet – and cost-effective and environmentally-friendly alternative that applies the best practices in environmental management to ensure an efficient carbon cycle management.
- Fogo Montanha makes all efforts to learn and to know the national forest to efficiently satisfy energy demands, always concerned in maintaining its biodiversity and natural wealth essential to preserve the quality of life on our Planet.
- Fogo Montanha is a member of Sociedade Ponto Verde (the Portuguese Green Dot Scheme), which manages packaging waste of products marketed by the company. For this reason, you should take the packaging waste removed from your unit, such as plastic sheets and cardboards, to your nearest recycling point.
- Fogo Montanha is also a member of Amb3E, the entity responsible for collecting waste electrical and electronic equipment (WEEE); as such, end-of-life units with forced air ventilation systems should be shipped to the appropriate WEEE-processing location. The electrical components of your end-of-life equipment should be shipped to your nearest WEEE collection point.

## 35. Warranty

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### General warranty conditions

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#### 1. Social name and address of the producer and Object

FOGO MONTANHA

www.fogo-montanha.com

apoio.cliente@fogo-montanha.com

Morada: Rua dos Outarelos; nº 111;

3750-362 Belazaima do Chão

Águeda - Portugal

This document does not substantiate the provision by Fogo Montanha of a voluntary warranty on its produced and marketed products (from now on mentioned as "Product (s)"), but rather a guide, intended to be enlightening for the effective activation of the legal warranty that benefits consumers (from now on mentioned as "Warranty"). This document does not affect the legal rights of warranty, emerging from the purchase agreement whose purpose is the Product(s).

#### 2. Product identification on which rests the warranty

The activation of the warranty presupposes prior and correct identification of the product object towards Fogo Montanha, being promoted by providing the Product 's packing data indicated in the purchase invoice or in the product characteristics plate (model and serial number).

#### 3. Product warranty terms

3.1 Fogo Montanha, responds to the Buyer, for the lack of conformity of the Product with the respective contract of sale, within the following periods:

3.1.1 A period of 24 months from the date of delivery of the good, in the case of domestic use of the product, save the provisions of the following number regarding the intensive use;

3.1.2 A term of 6 months from the date of delivery of the goods, in the case of professional, or industrial, or intensive use of the products – Fogo Montanha means by professional, industrial or intensive use of all products installed in industrial spaces, commercial, or whose use exceeds 1500 hours per calendar year;

3.2 A functional test of the product must be performed before finishing the installation (plaster, masonry, coatings, paintings, among others);

3.3 No equipment can be replaced after the 1st Burn without the express authorization of the producer;

3.4 Any product must be repaired on the site of installation without causing serious inconvenience to the parties, save, if this proves impossible, or disproportionate;

3.5 In order to exercise its rights, and provided that the term indicated in 3.1 is not exceeded, the Buyer must report in writing to Fogo Montanha, the lack of conformity of the Product within a maximum period of:

3.5.1 60 (sixty) days after the date on which it has detected it in the case of domestic

use of the product;

3.5.2 Thirty (30) days from the date of its detection, in the case of professional use of the Product.

3.6 In the pellet range equipments, the commissioning service is required to activate the warranty. It must be registered up to 3 months after the date of invoice, or, 100 hours of work of the product (whichever occurs first);

3.7 During the Warranty period referred to in paragraph 3.1 (and for this to remain valid), repairs to the Product must be performed exclusively by the Official Technical Services of the Brand. All services provided under this Guarantee will be performed Monday through Friday within the working time and calendar legally established in each region.

3.8 All requests for assistance must be submitted to the Fogo Montanha Customer support service, by means of a proper form present on the Website [www.fogo-montanha.com](http://www.fogo-montanha.com), or, e-mail: [support.cliente@fogo-montanha.com](mailto:support.cliente@fogo-montanha.com). At the time of the technical assistance to the Product, the Buyer must present, as proof of the Product Warranty, the purchase invoice of the same or another document demonstrating its acquisition. In any case, the document proving the acquisition of the Product must contain the identification of the Product (as mentioned in point 2 above) and its date of acquisition. Alternatively, and in order to validate the Product Warranty, the PSR - document certifying the commissioning of the machine (when applicable)).

3.9 The Product will have to be installed by a qualified professional for the purpose, in accordance with the regulations in force in each geographical area, for the installation of these Products and complying with all the regulations in force, especially regarding chimneys, as well as other applicable regulations for aspects such as water supply, electricity and / or other related to the equipment or sector and as described in the instruction manual.

A product installation that does not conform to the manufacturer's specifications and / or does not comply with the legal regulations on this subject will not give rise to the application of this Warranty. Whenever a product is installed outdoors, it must be protected against weather effects such as rain and wind. In these cases, it may be necessary to protect the appliance by means of a cabinet, or a properly ventilated protective case. Appliances should not be installed in places that contain chemicals in their atmosphere, in saline or high humidity environments, as mixing them with air may produce rapid corrosion in the combustion chamber. In this type of environment, it is especially recommended that the appliance be protected with anti-corrosion products for this purpose, especially during times of operation. As a suggestion it is indicated the application of graphite greases indicated for high temperatures with function of lubrication and anti-corrosion protection.

3.10 In equipment belonging to the pellet family, in addition to the daily and weekly maintenance contained in the instruction manual, it is also obligatory to carry out the cleaning inside and in the respective chimney for the evacuation of fumes. These tasks should be carried out every 600-800 kg of pellets consumed, in the case of stoves (air and water) and compact boilers, and every 2000-3000 kg of pellets consumed in the case of automatic boilers. In the event that these quantities are not consumed, at least one systematic preventive maintenance must be carried out annually.

3.11 It is the Buyer's responsibility to ensure that periodic maintenance is carried out, as indicated in the instruction and handling manuals accompanying the Product. Whenever requested, it must be proved by submitting the technical report of the entity responsible for it, or alternatively by registering



them in the instruction manual in the dedicated section.

3.12 In order to avoid damage to the equipment caused by overpressure, safety elements such as pressure relief valves and / or thermal discharge valves, if applicable, as well as an expansion vessel fitted to the installation, shall be ensured at the time of installation and its correct functioning must be ensured. It should be noted that: the valves referenced must have a value equal to or less than the pressure supported by the equipment; there shall be no cut-off valve between the equipment and its safety valve; provision should be made for a systematic preventive maintenance plan to attest to the correct functioning of the said safety features; irrespective of the type of appliance, all safety valves shall be channelled to drained sewage to prevent damage to the dwelling by water discharges. Product Warranty does not include damages caused by non-channelling of water discharged by said valve.

3.13 In order to avoid damage to the equipment and attached pipes by galvanic corrosion, it is advisable to use dielectric separators in the connection of the equipment to metal pipes whose characteristics of the materials applied to this type of corrosion. Product Warranty does not include damages caused by non-use of such dielectric separators.

3.14 The water or thermofluid used in the heating system (hydro toves, boilers, central heating stoves, among others) must comply with the legal requirements in force, as well as guarantee the following physical and chemical characteristics: absence of solid particles in suspension; low level of conductivity; residual hardness of 5 to 7 degrees; neutral pH, close to 7; low concentration of chlorides and iron; and absence of air inlets by depression or others. In case the installation enhances automatic water make-up, it should consider upstream a preventive treatment system composed of filtration, decalcification and preventive dosing of polyphosphates (scale and corrosion), as well as a degassing step, if necessary. If in any circumstance any of these indicators show values that are not recommended, the Warranty will cease to have effect. It is also compulsory to place a non-return valve between the automatic filling valve and the mains water supply, and that said supply always has constant pressure, even with a lack of electricity, not depending on lift pumps, autoclaves, or others.

3.15 Except as expressly provided by law, a warranty intervention does not renew the warranty period of the Product. The rights arising from the Warranty are not transferable to the purchaser of the Product.

3.16 The equipment must be installed in accessible places and without risk to the technician. The means necessary for access to them shall be made available by the Buyer, and the Buyer shall be responsible for any charges arising therefrom.

3.17 The Warranty is valid for the Products and equipment sold by Fogo Montanha solely and exclusively within the geographical and territorial zone of the country where the Product was sold by Fogo Montanha.

#### **4. Circumstances that exclude the application of the Warranty**

Excluded from the Warranty, being the total cost of the repair borne by the Buyer, the following cases:

4.1. Products with more than 2000 operating hours;

4.2. Refurbished and resold products.

4.3. Maintenance operations, Product settings, commissioning, cleaning, elimination of errors or

anomalies that are not related to deficiencies of equipment components and replacement of the batteries

4.4. Components in direct contact with fire such as: vermiculite supports, deflector or protective plates, vermiculite, sealing lanyards, burners, ash drawers, wood chips, smoke registers, ash grates, whose wear is directly related to the conditions of use. Degradation of the paint, as well as corrosion due to degradation of the paint, due to overloading of fuel, use of an open drawer or excessive drainage of the installation chimney (the chimney must respect the drawing recommended in the Product Technical Data Sheet). Glass breakage due to improper handling or other reason not related to Product deficiency. In the pellet family, the ignitors are a wear part, so they are only guaranteed for 6 months, or 1000 ignitions (whichever comes first);

4.5. Wear considered components, such as bearings and bushes;

4.6. Deficiencies of components external to the Product that may affect its correct functioning, as well as material or other damages (e.g. tiles, roofing, waterproofing, pipes, or personal injury) caused by improper use of materials in the installation or by non-execution of the product installation in accordance with the rules for the installation, applicable regulations or rules of good art, in particular when the application of suitable piping to the temperature in use, expansion vessels, non-return valves, safety valves, anti-condensation valves, among others;

4.7. Products whose operation has been affected by failures or deficiencies of external components or by poor sizing;

4.8. Defects caused by the use of accessories or replacement components other than those determined by Fogo Montanha;

4.9. Defects arising from non-compliance with the installation, use and operation instructions or applications not conforming to the intended use of the Product, or from abnormal climatic factors, unusual operating conditions, overload or maintenance or cleaning performed improperly;

4.10. The Products that have been modified or manipulated by people outside the Official Technical Services of the brand and consequently without the explicit authorization of Fogo Montanha;

4.11. Damage caused by external agents (rodents, birds, spiders, etc.), atmospheric and / or geological phenomena (earthquakes, storms, frost, hailstorms, thunderstorms, etc.), humid or saline aggressive environments such as proximity of the sea or river, as well as those derived from excessive water pressure, inadequate power supply (voltage with variations greater than 10%, with a nominal value of 230V, or, neutral voltage greater than 5V, or absence of earth protection); pressure or supply of inadequate circuits, acts of vandalism, urban confrontation and armed conflict of any kind, as well as derivatives;

4.12. Failure to use the fuel recommended by the manufacturer is a condition of exclusion from the Warranty.;

Explanatory note: In the case of pellet appliances the used fuel must be certified by EN 14961-2 grade A1. Also, before buying large quantity you should test the fuel to see how it behaves. In wood

equipment, this moisture content must be of less than 20%.

4.13. The appearance of condensation, either by poor installation or by the use of non-virgin fuels (such as pallets or wood impregnated with paints or varnishes, salt or other components), which may contribute to the accelerated degradation of equipment and especially to your combustion chamber;

4.14. All Products, Components or damaged components in transportation or installation;

4.15. Cleaning operations carried out on the appliance or its components due to condensation, fuel quality, bad settings or other circumstances of the installation location. Also excluded from the Warranty are interventions for the decalcification of the Product (the removal of limestone or other materials deposited inside the apparatus and produced by the quality of the water supply). Also excluded from this warranty are air bleeding interventions of the circuit or unblocking of circulating pumps.

4.16. The installation of the equipment supplied by Fogo Montanha should contemplate the possibility of their easy removal, as well as points of access to the mechanical, hydraulic and electronic components of the equipment and the installation. When the installation does not allow immediate and safe access to the equipment, the additional cost of access and security will always be borne by the Buyer. The cost of disassembling and assembling boxes of plasterboard or masonry walls, insulation or other elements such as chimneys and hydraulic connections that prevent free access to the Product (if the Product is installed inside a carton of plasterboard , masonry or other dedicated space must comply with the dimensions and characteristics indicated in the instruction manual and use accompanying the appliance).

4.17. Interventions of information or clarification at home about the use of its heating system, programming and / or reprogramming of control and regulating elements, such as thermostats, regulators, programmers, etc.;

4.18. Interventions for the adjustment of fuel receipes in pellet devices, cleaning, detection of water leaks in pipes external to the apparatus, damage caused due to the need to clean the gas evacuation machinery or flues;

4.19. Urgency interventions not included in the provision of Warranty i.e., weekend and holiday interventions because they are special interventions not included in the Guarantee coverage and which therefore have an additional cost, will be carried out exclusively on request expressed by the Buyer and upon the availability of the Producer.

## **5. Warranty Inclusion**

Fogo Montanha will correct without any charge to the Buyer the defects covered by the Warranty through the repair of the Product. The replaced Products or Components shall become the property of Fogo Montanha.

## **6. Responsibility of Fogo Montanha**

Notwithstanding legally established, Fogo Montanha, liability in respect of warranty is limited to that established in the present warranty conditions.

## **7. Cost of Services performed outside the scope of the warranty**

The interventions carried out outside the scope of the warranty are subject to the application of the current tariff.

**8. Warranty Services performed out of scope Warranty**

The interventions carried out outside the scope of the Warranty and carried out by the official technical assistance service of Fogo Montanha have a 6-month guarantee.

**9. Warranty Spare Parts provided by Fogo Montanha**

Parts supplied by Fogo Montanha in the context of the commercial sale of spare parts, i.e. not incorporated in the equipment, do not have a warranty.

**10. Replaced Parts under the of Scope Technical Service**

From the moment they are removed from the equipment, the Parts used are considered as waste. Fogo Montanha as a producer of waste in the scope of its activity is obliged by the legislation in force to deliver them to a licensed entity that performs the proper waste management operations under the law and therefore is prevented from giving them another destination, whatever. Therefore, the customer will be able to see the used parts resulting from the assistance, but cannot keep them in their possession.

**11. Administrative expenses**

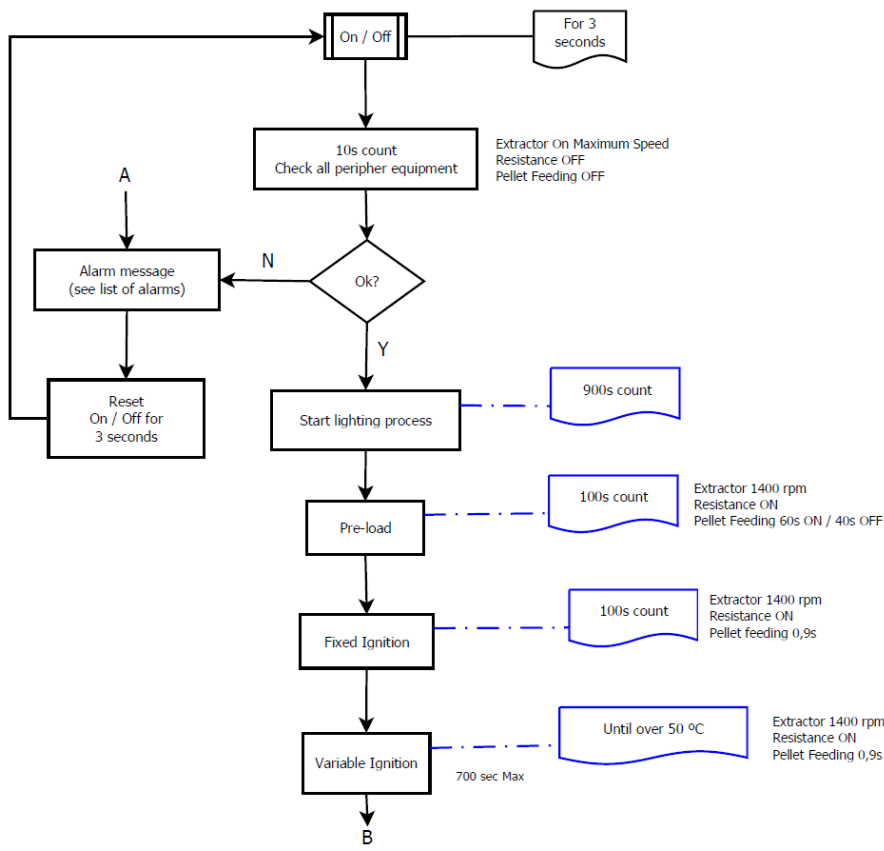
In the case of invoices for services rendered, they are not processed in any stipulated period with default interest at the maximum legal rate in force.

**12. Competent court**

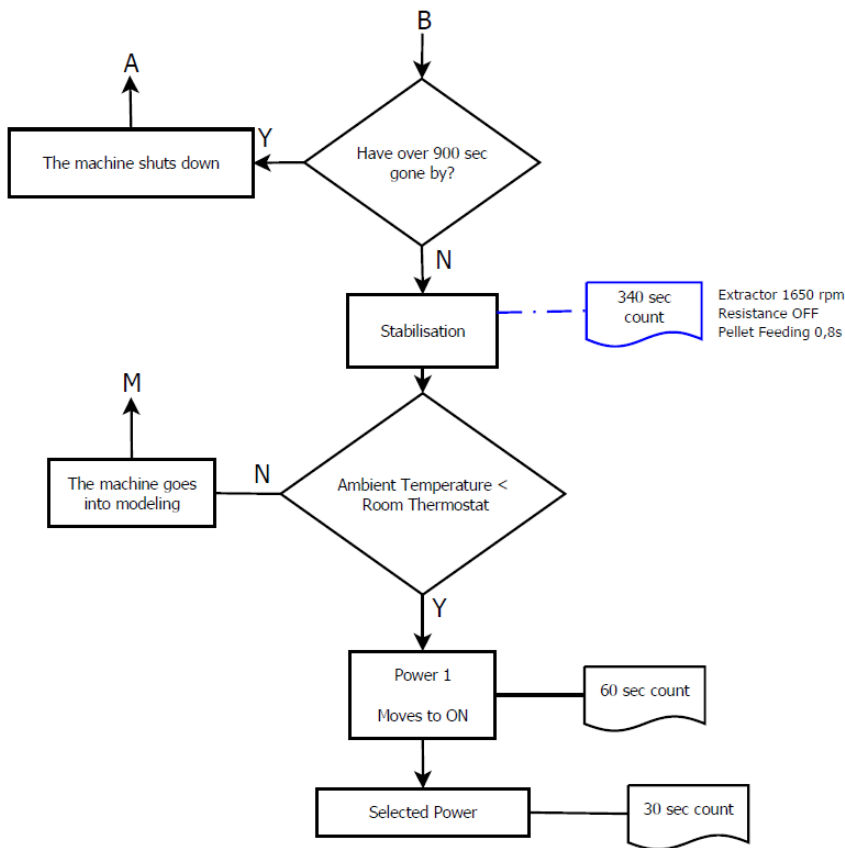
For the resolution of any dispute arising from the purchase and sale agreement having as object the products covered by the warranty, the contracting parties attribute exclusive jurisdiction to the courts of the district of Águeda, with express waiver of any other.

# 36. Annexes

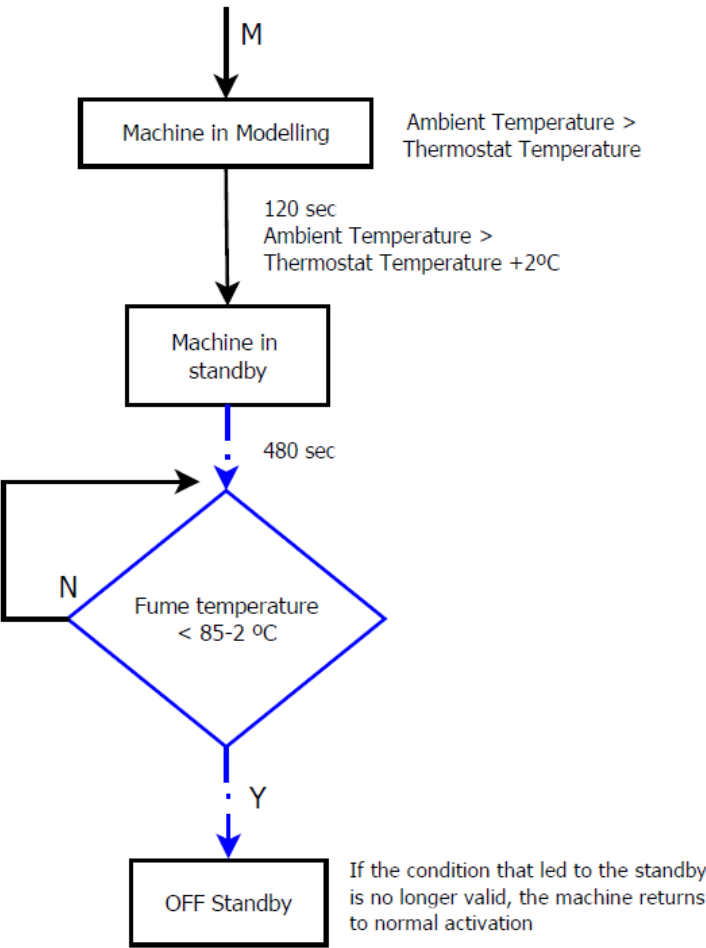
Flow chart 1 – Normal Activation (phase 1)



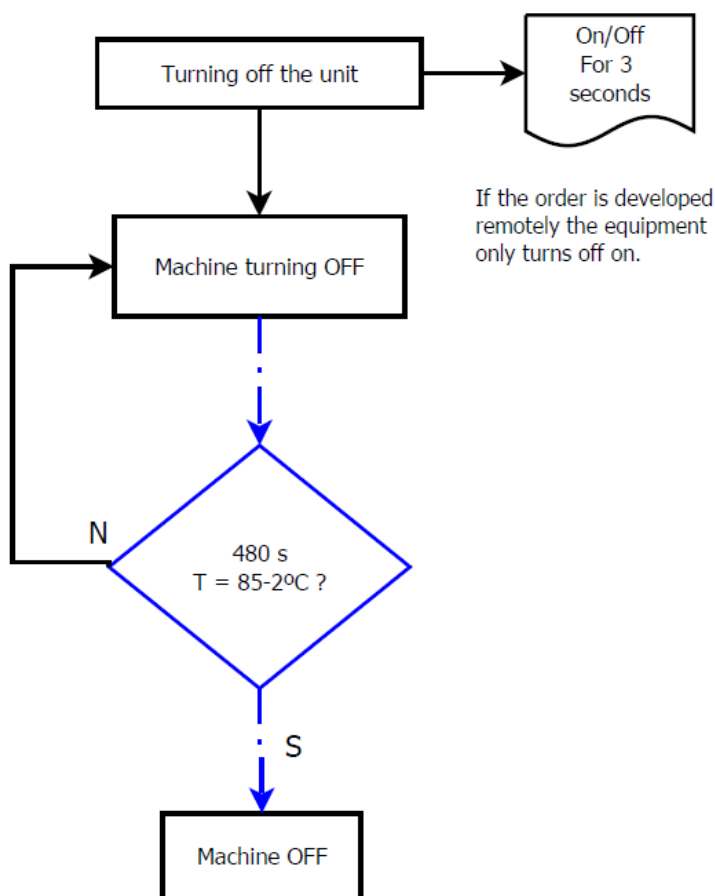
Flow chart – Norma Activation (phase 2)



Flow chart 2 – Disconnect the unit

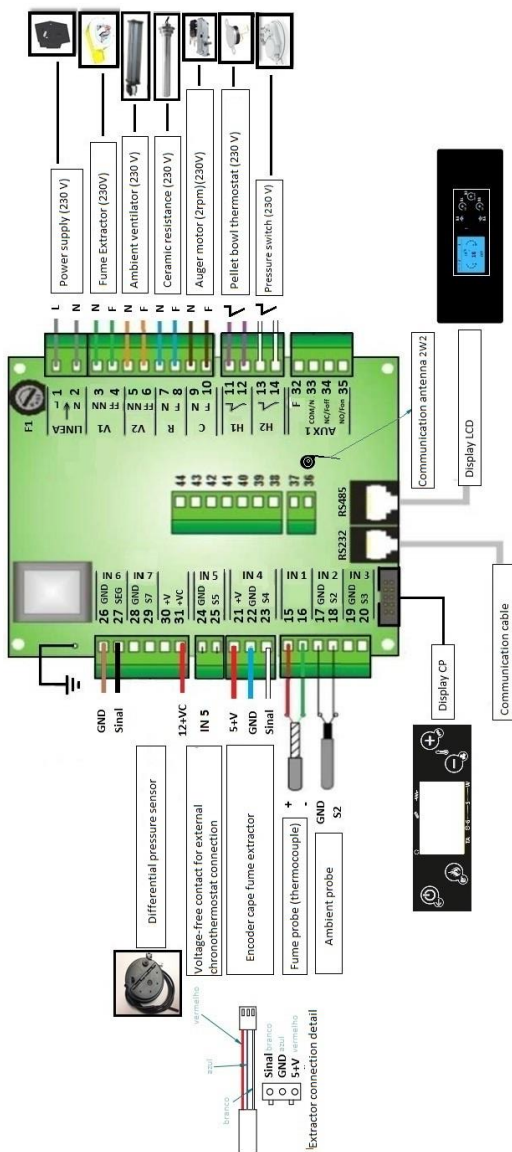


Flow chart 2 – Disconnect the unit



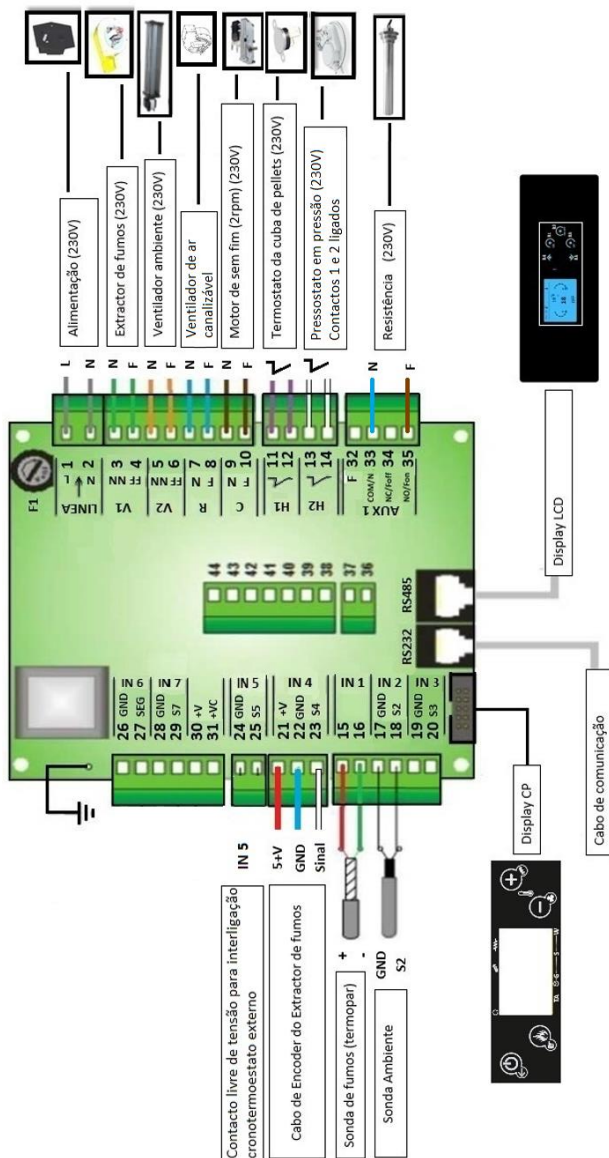


### Electrical diagram of the Free-Standing Fire unit T300 and T400.



**CO0312000000011 – Board MB100**

Electrical diagram of the Free-Standing Fire unit T500.



CO0312000000011 – Board MB100

## 37. Statement of performance

DECLARAÇÃO DE DESEMPENHO | DECLARACIÓN PRESTACIONES | DECLARATION OF PERFORMANCE | DÉCLARATION DE PERFORMANCE | DICHIARAZIONE DELLE PRESTAZIONI

Nº DD-030

1. Código de identificação único do produto-tipo | Código de identificación único del tipo de producto | Unique identification code of the product type | Le code d'identification unique du type de produit | Codice unico di identificazione del tipo di prodotto

TRAMA 10kW – EAN 05600990409057

T400 10kW – EAN 05600990446953

T400 10kW PORTA EM VIDRO – EAN 05600990446960

2. Número do tipo, lote ou série do produto | Número de tipo, lote o serie del producto | Number of type, batch or serial product | Nombre de type, de lot ou de série du produit | Numero di tipo, di lotto, di serie del prodotto

3. Utilização prevista | Uso previsto | Intended use | Utilisation prévue | Destinazione d'uso

Aquecimento de edifícios de habitação | Calefacción de edificios residenciales | Heating of residential buildings | Chauffage de batiments résidentiels | Riscaldamento degli edifici residenziali

4. Nome, designação comercial registada e endereço de contacto do fabricante | Nombre, marca registrada y la dirección de contacto de lo fabricante | Name, registered trade name and contact address of the manufacturer | Nom, marque déposée et l'adresse de contact du fabricant | Nome, denominazione commerciale registrata e Indirizzo del costruttore

Solzaima, SA

Rua dos Outarelos, nº111

3750-362 Belazaima do Chão – Águeda – Portugal

5. Sistema de avaliação e verificação da regularidade do desempenho do produto | Sistema de evaluación y verificación de constancia de las prestaciones del prodoto | System of assessment and verification of constancy of the product | Système d'évaluation et de vérification de la Constance des performances du produit | Sistema di valutazione e verifica della costanza della prestazione del prodotto

Sistema 3

6. Norma Harmonizada | Estandár armonizado | Harmonized standard | Norme harmonisée | Standard armonizzata

EN 14785

7. Nome e número de identificação do organismo notificado | Nombre y número de identificación del organismo notificado | Name and identification number of the notified body | Nom et numéro d'identification de l'organisme notifié | Nome e numero di identificazione dell'organismo notificato

Ceis - Centro de Ensayos Inovacion y Servicios

NB: 1722

8. Relatório de ensaio | Informe de la prueba | Test report | Rapport d'essai | Rapporto di prova

CEE-0009/18-2

CEE-0201/19-1

9. Desempenho declarado | Desempeño declarado | Declared performance | Performance déclarée | Dichiarazione di prestazione

Características essenciais   Características esenciales   Essencial characteristics   Caractéristiques essentielles   Caratteristiche essenziali	Desempenho   Desempeño   Performance   Prestazione	Especificações técnicas harmonizadas   Especificaciones técnicas armonizadas   Harmonized technical specifications   Spécifications techniques harmonisées   Specifiche tecniche armonizzate
Segurança contra incêndio   Seguridad contra incendios   Fire safety   Sécurité incendie   Sicurezza antincendio	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo con informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b> <b>CEE-0201/19-1</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 4.2, 4.3, 4.7, 4.8, 4.10, 4.11, 5.1, 5.3, 5.4, 5.5, 5.8 (EN14785)
Emissão de produtos da combustão   La emisión de productos de combustión   Emission of combustion products   Emission des produits de combustion   Emissione dei prodotti di combustione	<b>OK.</b> Caudal térmico nominal   Caudal térmico nominal   Nominal heat output   Le débit calorifique nominal   Nominal heat output   Flusso termico nominale – <b>CO:0,012%</b> <b>OK.</b> Caudal térmico reduzido   Flujo térmico reducido   Reduced thermal flow   Flux thermique réduit   Flusso termico ridotto – <b>CO: 0,036%</b>	Caudal térmico nominal   Caudal térmico nominal   Nominal heat output   Le débit calorifique nominal   Nominal heat output   Flusso termico nominale – <b>CO&lt;0,04%</b> Caudal térmico reduzido   Flujo térmico reducido   Reduced thermal flow   Flux thermique réduit   Flusso termico ridotto – <b>CO&lt;0,06%</b>
Libertação de substâncias perigosas   Emisión de sustancias peligrosas   Release of dangerous substances   Dégagement de substances   Rilascio di sostanze pericolose	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo con informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b> <b>CEE-0201/19-1</b>	De acordo com o Anexo ZA.1 (EN14785)   De acuerdo con lo Anexo ZA.1 (EN14785)   According to the Annex ZA.1 (EN14785)   Selons le Annexe ZA.1 (EN14785)   Secondo l'allegato ZA.1 (EN14785)
Temperatura de superfície   Temperatura de la superficie   Surface temperature   La température de surface   Temperatura superficiale	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo con informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b> <b>CEE-0201/19-1</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 4.2, 4.13, 5.1, 5.2, 5.4, 5.5 (EN14785)
Segurança eléctrica   Seguridad eléctrica   Electrical safety   Sécurité électrique   Sicurezza elettrica	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo con informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b> <b>CEE-0201/19-1</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 5.9 (EN14785)
Aptidão para ser limpo   Capacidad para ser limpiado   Ability to be cleaned   Possibilité d'être nettoyé   Capacità di essere puliti	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo con informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b> <b>CEE-0201/19-1</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 4.5, 4.6, 4.10, 4.12 (EN14785)
Temperatura dos gases de combustão   Temperatura de los gases de combustión   Temperature of the flue gas   Température du gaz de fumée   Temperatura dato fumi	<b>OK.</b> <b>149°C</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 6.2 (EN14785)
Resistência mecânica   Resistencia mecánica	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo con informe	De acordo com os requisitos   De acuerdo con los requisitos   According to

Mechanical strength   résistance   Resistenza meccanico	de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b> <b>CEE-0201/19-1</b> A cada 10 m de conduta de fumos deve ser colocado um suporte de carga   cada 10 m de la salida de humos se debe colocar un soporte de carga   every 10 m of the flue should be placed a load support   tous les 10 m de conduit de fumée doit être placé un support de charge   ogni 10 m della canna fumaria deve essere posto un supporto di carico	the requirements   Selons les exigences   Secondo i requisiti 4.2, 4.3(EN14785)
Potência térmica   Potencia térmica   Thermic output   Puissance thermique   Potenza termico	<b>OK.</b>  <b>10 kW</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 6.1, 6.4 – 6.10 (EN14785)
Rendimento energético   Eficiencia energética   Energy efficiency   L'efficacité énergétique   Efficienza energetica	<b>OK.</b>  <b>91,4%</b>	≥ <b>75%</b> para potência térmica nominal   de potencia térmica nominal   for rated thermal input   Pour puissance thermique nominale   di potenza termica nominale
	<b>OK.</b>  <b>96%</b>	≥ <b>70%</b> para potência térmica reduzida   la reducción térmica   to reduced thermal   à la réduction thermique   di potenza térmica ridotto
Durabilidade   Durabilidad   Durability   Durabilité   Durabilità	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo com informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b> <b>CEE-0201/19-1</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 4.2 (EN14785)

1. O desempenho do produto declarado nos pontos 1 e 2 é conforme com o desempenho declarado no ponto 9. A presente declaração de desempenho é emitida sob exclusiva responsabilidade do fabricante identificado no ponto 4. | El funcionamiento del producto se indica en los puntos 1 y 2 es compatible con las prestaciones declaradas en el punto 9. La presente declaración se expide bajo la exclusiva responsabilidad del fabricante identificado en lo punto 4. | Performance of the product stated in points 1 and 2 is consistent with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. | Les performances du produit indiqué dans les points 1 et 2 est compatible avec les performances declares au point 9. Cette declaration de performance est établie sous la seule responsabilité du fabricant identifié dans le point 4. | Le prestazioni dei prodotti indicati ai punti 1 e 2 è conforme alla prestazione dichiarata al punto 9. Questa dichiarazione di prestazione è rilasciata sotto l'esclusiva responsabilità del fabbricante di cui al punto 4

Nome e cargo | Nombre y cargo | Name and title | Nom et titre | Nome e titolo  
Belazaima do Chão 23/10/2019

Nuno Sequeira (Director Geral | CEO)

Nº DD-025

1. Código de identificação único do produto-tipo | Código de identificación único del tipo de producto | Unique identification code of the product type | Le code d'identification unique du type de produit | Codice unico di identificazione del tipo di prodotto

T300 8kW – EAN 05600990446939  
T300 8kW PORTA EM VIDRO – EAN 05600990446946

2. Número do tipo, lote ou série do produto | Número de tipo, lote o serie del producto | Number of type, batch or serial product | Nombre de type, de lot ou de série du produit | Numero di tipo, di lotto, di serie del prodotto

3. Utilização prevista | Uso previsto | Intended use | Utilisation prévue | Destinazione d'uso

AQUECIMENTO DE EDIFÍCIOS DE HABITAÇÃO | CALEFACCIÓN DE EDIFICIOS RESIDENCIALES | HEATING OF RESIDENTIAL BUILDINGS | CHAUFFAGE DE BATIMENTS RESIDENTIELS | RISCALDAMENTO DEGLI EDIFICI RESIDENZIALI

4. Nome, designação comercial registada e endereço de contacto do fabricante | Nombre, marca registrada y la dirección de contacto de lo fabricante | Name, registered trade name and contact address of the manufacturer | Nom, marque déposée et l'adresse de contact du fabricant | Nome, denominazione commerciale registrata e Indirizzo del costruttore

SOLZAIMA, SA  
RUA DOS OUTARELOS, Nº111  
3750-362 BELAZAIMA DO CHÃO – ÁGUEDA – PORTUGAL

5. Sistema de avaliação e verificação da regularidade do desempenho do produto | Sistema de evaluación y verificación de constancia de las prestaciones del producto | System of assessment and verification of constancy of the product | Système d'évaluation et de vérification de la Constance des performances du produit | Sistema di valutazione e verifica della costanza della prestazione del prodotto

SISTEMA 3

6. Norma Harmonizada | Estandár armonizado | Harmonized standard | Norme harmonisée | Standard armonizzata

EN 14785

7. Nome e número de identificação do organismo notificado | Nombre y número de identificación del organismo notificado | Name and identification number of the notified body | Nom et numéro d'identification de l'organisme notifié | Nome e numero di identificazione dell'organismo notificato

CEIS – CENTRO DE ENSAYOS INOVACION Y SERVICIOS  
NB: 1722

8. Relatório de ensaio | Informe de la prueba | Test report | Rapport d'essai | Rapporto di prova

CEE-0008/18-2  
CEE-0009/18-2

9. Desempenho declarado | Desempeño declarado | Declared performance | Performance déclarée | Dichiarazione di prestazione

Características essenciais   Características esenciales   Essencial characteristics   Caractéristiques essentielles   Caratteristiche essenziali	Desempenho   Desempeño   Performance   Prestazione	Especificações técnicas harmonizadas   Especificaciones técnicas armonizadas   Harmonized technical specifications   Spécifications techniques harmonisées   Specifiche tecniche armonizzate
Segurança contra incêndio   Seguridad contra incendios   Fire safety   Sécurité incendie   Sicurezza antincendio	OK. De acordo com relatório de ensaio   De acuerdo con informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <u>CEE-0008/18-2</u> <u>CEE-0009/18-2</u>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 4.2, 4.3, 4.7, 4.8, 4.10, 4.11, 5.1, 5.3, 5.4, 5.5, 5.8 (EN14785)
Emissão de produtos da combustão   La emisión de productos de combustión   Emission of combustion products   Emission des produits de combustion   Emissione dei prodotti di combustione	OK. Caudal térmico nominal   Caudal térmico nominale   Nominal heat output   Le débit calorifique nominal   Nominal heat output   Flusso termico nominale –CO>0,01%	Caudal térmico nominal   Caudal térmico nominale   Nominal heat output   Le débit calorifique nominal   Nominal heat output   Flusso termico nominale –CO<0,01%
	OK. Caudal térmico reduzido   Flujo térmico reducido   Reduced thermal flow   Flux thermique réduit   Flusso termico ridotto –CO: 0,027%	Caudal térmico reduzido   Flujo térmico reducido   Reduced thermal flow   Flux thermique réduit   Flusso termico ridotto –CO<0,027%
Libertação de substâncias perigosas   Emisión de sustancias peligrosas   Release of dangerous substances   Dégagement de substances   Rilascio di sostanze pericolose	OK. De acordo com relatório de ensaio   De acuerdo con informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <u>CEE-0008/18-2</u> <u>CEE-0009/18-2</u>	De acordo com o Anexo ZA.1 (EN14785)   De acuerdo con lo Anexo ZA.1 (EN14785)   According to the Annex ZA.1 (EN14785)   Selons le Annexe ZA.1 (EN14785)   Secondo l'allegato ZA.1 (EN14785)
Temperatura de superfície   Temperatura de la superficie   Surface temperature   La température de surface   Temperatura superficiale	OK. De acordo com relatório de ensaio   De acuerdo con informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <u>CEE-0008/18-2</u> <u>CEE-0009/18-2</u>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 4.2, 4.13, 5.1, 5.2, 5.4, 5.5 (EN14785)
Segurança eléctrica   Seguridad eléctrica   Electrical safety   Sécurité électrique   sicurezza elettrica	OK. De acordo com relatório de ensaio   De acuerdo con informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <u>CEE-0008/18-2</u> <u>CEE-0009/18-2</u>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 5.9 (EN14785)
Aptidão para ser limpo   Capacidad para ser limpiado   Ability to be cleaned   Possibilité d'être nettoyé   Capacità di essere puliti	OK. De acordo com relatório de ensaio   De acuerdo con informe de la prueba   According to the test report   Selons 77er apport d'essai   Secondo i rapporti di prova <u>CEE-0008/18-2</u> <u>CEE-0009/18-2</u>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 4.5, 4.6, 4.10, 4.12 (EN14785)
Temperatura dos gases de combustão   Temperatura de los gases de combustión   Temperature of the flue gas   Température du gaz de fumée   Temperatura dato fumi	OK.  152,6°C	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 6.2 (EN14785)

Resistência mecânica   Resistencia mecânica   Mechanical strength   résistance   Resistenza meccanico	OK. De acordo com relatório de ensaio   De acuerdo com informe de la prueba   According to the test report   Selon le rapport d'essai   Secondo i rapporti di prova <u>CEE-0008/18-2</u> <u>CEE-0009/18-2</u> A cada 10 m de conduta de fumos deve ser colocado um suporte de carga   cada 10 m de la salida de humos se debe colocar un soporte de carga   every 10 m of the flue should be placed a load support   tous les 10 m de conduit de fumée doit être placé un support de charge   ogni 10 m della canna fumaria deve essere posto un supporto di carico	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selon les exigences   Secondo i requisiti 4.2, 4.3 (EN14785)
Potência térmica   Potencia térmica   Thermic output   Puissance thermique   Potenza termico	OK.  8 kW	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selon les exigences   Secondo i requisiti 6.1, 6.4 – 6.10 (EN14785)
Rendimento energético   Eficiencia energética   Energy efficiency   L'efficacité énergétique   Efficienza energetica	OK.  91,3%	≥ 75% para potência térmica nominal   de potencia térmica nominal   for rated thermal input   Pour puissance thermique nominale   di potenza termica nominale
	OK.  96%	≥ 70% para potência térmica reduzida   la reducción térmica   to reduced thermal   à la réduction thermique   di potenza térmica ridotto
Durabilidade   Durabilidad   Durability   Durabilité   Durabilità	OK. De acordo com relatório de ensaio   De acuerdo com informe de la prueba   According to the test report   Selon le rapport d'essai   Secondo i rapporti di prova <u>CEE-0008/18-2</u> <u>CEE-0009/18-2</u>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selon les exigences   Secondo i requisiti 4.2 (EN14785)

10. O desempenho do produto declarado nos pontos 1 e 2 é conforme com o desempenho declarado no ponto 9. A presente declaração de desempenho é emitida sob exclusiva responsabilidade do fabricante identificado no ponto 4. | El funcionamiento del producto se indica en los puntos 1 y 2 es compatible con las prestaciones declaradas en el punto 9. La presente declaración se expide bajo la exclusiva responsabilidad del fabricante identificado en lo punto 4. | Performance of the product stated in points 1 and 2 is consistent with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. | Les performances du produit indiqué dans les points 1 et 2 est compatible avec les performances declares au point 9. Cette declaration de performance est établie sous la seule responsabilité du fabricant identifié dans le point 4. | Le prestazioni dei prodotti indicati ai punti 1 e 2 è conforme alla prestazione dichiarata al punto 9. Questa dichiarazione di prestazione è rilasciata sotto l'esclusiva responsabilità del fabbricante di cui al punto 4

Nome e cargo | Nombre y cargo | Name and title | Nom et titre | Nome e titolo  
Belazaima do Chão, 23/10/2019

Nuno Sequeira (Director Geral | CEO)



Nº DD-026

1. Código de identificação único do produto-tipo | Código de identificación único del tipo de producto | Unique identification code of the product type | Le code d'identification unique du type de produit | Codice unico di identificazione del tipo di prodotto

T500 9kW – EAN 05600990452947  
T500 9kW PORTA EM VIDRO – EAN 05600990452954

2. Número do tipo, lote ou série do produto | Número de tipo, lote o serie del producto | Number of type, batch or serial product | Nombre de type, de lot ou de série du produit | Numero di tipo, di lotto, di serie del prodotto

3. Utilização prevista | Uso previsto | Intended use | Utilisation prévue | Destinazione d'uso

AQUECIMENTO DE EDIFÍCIOS DE HABITAÇÃO | CALEFACCIÓN DE EDIFICIOS RESIDENCIALES | HEATING OF RESIDENTIAL BUILDINGS | CHAUFFAGE DE BATIMENTS RESIDENTIELS | RISCALDAMENTO DEGLI EDIFICI RESIDENZIALI

4. Nome, designação comercial registada e endereço de contacto do fabricante | Nombre, marca registrada y la dirección de contacto de lo fabricante | Name, registered trade name and contact address of the manufacturer | Nom, marque déposée et l'adresse de contact du fabricant | Nome, denominazione commerciale registrata e Indirizzo del costruttore

SOLZAIMA, SA  
RUA DOS OUTARELOS, Nº111  
3750-362 BELAZAIMA DO CHÃO – ÁGUEDA – PORTUGAL

5. Sistema de avaliação e verificação da regularidade do desempenho do produto | Sistema de evaluación y verificación de constancia de las prestaciones del producto | System of assessment and verification of constancy of the product | Système d'évaluation et de vérification de la Constance des performances du produit | Sistema di valutazione e verifica della costanza della prestazione del prodotto

SISTEMA 3

6. Norma Harmonizada | Estandár armonizado | Harmonized standard | Norme harmonisée | Standard armonizzata

EN 14785

7. Nome e número de identificação do organismo notificado | Nombre y número de identificación del organismo notificado | Name and identification number of the notified body | Nom et numéro d'identification de l'organisme notifié | Nome e numero di identificazione dell'organismo notificato

CEIS – CENTRO DE ENSAYOS INOVACION Y SERVICIOS  
NB: 1722

8. Relatório de ensaio | Informe de la prueba | Test report | Rapport d'essai | Rapporto di prova

CEE-0009/18-2

9. Desempenho declarado | Desempeño declarado | Declared performance | Performance déclarée | Dichiarazione di prestazione

Características essenciais   Características esenciales   Essential characteristics   Caractéristiques essentielles   Caratteristiche essenziali	Desempenho   Desempeño   Performance   Prestazione	Especificações técnicas harmonizadas   Especificaciones técnicas armonizadas   Harmonized technical specifications   Spécifications techniques harmonisées   Specifiche tecniche armonizzate
Segurança contra incêndio   Seguridad contra incendios   Fire safety   Sécurité incendie   Sicurezza antincendio	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo com informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 4.2, 4.3, 4.7, 4.8, 4.10, 4.11, 5.1, 5.3, 5.4, 5.5, 5.8 (EN14785)
Emissão de produtos da combustão   La emisión de productos de combustión   Emission of combustion products   Emission des produits de combustion   Emissione dei prodotti di combustione	<b>OK.</b> Caudal térmico nominal   Caudal térmico nominale   Nominal heat output   Le débit calorifique nominal   Nominal heat output   Flusso termico nominale – <b>CO: 0,0095%</b> <b>OK.</b> Caudal térmico reduzido   Flujo térmico reducido   Reduced thermal flow   Flux thermique réduit   Flusso termico ridotto – <b>CO: 0,027%</b>	Caudal térmico nominal   Caudal térmico nominale   Nominal heat output   Le débit calorifique nominal   Nominal heat output   Flusso termico nominale – <b>CO&lt;0,04%</b> Caudal térmico reduzido   Flujo térmico reducido   Reduced thermal flow   Flux thermique réduit   Flusso termico ridotto – <b>CO&lt;0,06%</b>
Libertação de substâncias perigosas   Emisión de sustancias peligrosas   Release of dangerous substances   Dégagement de substances   Rilascio di sostanze pericolose	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo com informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b>	De acordo com o Anexo ZA.1 (EN14785)   De acuerdo con lo Anexo ZA.1 (EN14785)   According to the Annex ZA.1 (EN14785)   Selons le Annexe ZA.1 (EN14785)   Secondo l'allegato ZA.1 (EN14785)
Temperatura de superfície   Temperatura de la superficie   Surface temperature   La température de surface   Temperatura superficiale	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo com informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 4.2, 4.13, 5.1, 5.2, 5.4, 5.5 (EN14785)
Segurança eléctrica   Seguridad eléctrica   Electrical safety   Sécurité électrique   Sicurezza elettrica	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo com informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 5.9 (EN14785)
Aptidão para ser limpo   Capacidad para ser limpiado   Ability to be cleaned   Possibilité d'être nettoyé   Capacità di essere puliti	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo com informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 4.5, 4.6, 4.10, 4.12 (EN14785)
Temperatura dos gases de combustão   Temperatura de los gases de combustión   Temperature of the flue gas   Température du gaz de fumée   Temperatura dato fumi	<b>OK.</b> <b>165°C</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 6.2 (EN14785)
Resistência mecânica   Resistencia mecánica   Mechanical strength   résistance   Resistenza meccanica	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo com informe de la prueba   According to the test report   Selons le rapport d'essai   Secondo i rapporti di prova <b>CEE-0009/18-2</b> A cada 10 m de conduta de fumos deve ser colocado um suporte de	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selons les exigences   Secondo i requisiti 4.2, 4.3 (EN14785)

	carga   cada 10 m de la salida de humos se debe colocar un soporte de carga   every 10 m of the flue should be placed a load support   tous les 10 m de conduit de fumée doit être placé un support de charge   ogni 10 m della canna fumaria deve essere posto un supporto di carico	
Potência térmica   Potencia térmica   Thermic output   Puissance thermique   Potenza termico	<b>OK.</b> <b>8,8 kW</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selon les exigences   Secondo i requisiti 6.1, 6.4 – 6.10 (EN14785)
Rendimento energético   Eficiencia energética   Energy efficiency   L'efficacité énergétique   Efficienza energetica	<b>OK.</b> <b>91%</b>	≥ 75% para potência térmica nominal   de potencia térmica nominal   for rated thermal input   Pour puissance thermique nominale   di potenza termica nominale
	<b>OK.</b> <b>96%</b>	≥ 70% para potência térmica reduzida   la reducción térmica   to reduced thermal   à la réduction thermique   di potenza térmica ridotto
Durabilidade   Durabilidad   Durability   Durabilité   Durabilità	<b>OK.</b> De acordo com relatório de ensaio   De acuerdo con informe de la prueba   According to the test report   Selon le rapport d'essai   Secondo il rapporto di prova <b>CEE-0009/18-2</b>	De acordo com os requisitos   De acuerdo con los requisitos   According to the requirements   Selon les exigences   Secondo i requisiti 4.2 (EN14785)

10. O desempenho do produto declarado nos pontos 1 e 2 é conforme com o desempenho declarado no ponto 9. A presente declaração de desempenho é emitida sob exclusiva responsabilidade do fabricante identificado no ponto 4. | El funcionamiento del producto se indica en los puntos 1 y 2 es compatible con las prestaciones declaradas en el punto 9. La presente declaración se expide bajo la exclusiva responsabilidad del fabricante identificado en lo punto 4. | Performance of the product stated in points 1 and 2 is consistent with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. | Les performances du produit indiqué dans les points 1 et 2 est compatible avec les performances declares au point 9. Cette declaration de performance est établie sous la seule responsabilité du fabricant identifié dans le point 4. | Le prestazioni dei prodotti indicati ai punti 1 e 2 è conforme alla prestazione dichiarata al punto 9. Questa dichiarazione di prestazione è rilasciata sotto l'esclusiva responsabilità del fabbricante di cui al punto 4

Nome e cargo | Nombre y cargo | Name and title | Nom et titre | Nome e titolo  
Belazaima do Chão, 09/09/2019

Nuno Sequeira (Director Geral | CEO)



FOGO MONTANHA