



INSTALLATION AND OPERATING INSTRUCTIONS FOR PELLET HEATERS

CONTENTS

For the manufacturer.	2
General instructions.	3
Safety instructions	4
Installation instructions	5
Instructions for HYDRO heaters.....	12
HYDRO cleaning.	16
Instructions for AERO heaters	18
AERO heater cleaning.	22
Problem solving	23
Warranty.	24



THERMIKI TSALIKIS, based in VI.PE. Oreokastro, has been specializing for 40 years years in the production of fireplaces and heaters of high quality and resistance to time. Management and technical staff, with continuous development and adoption of new ones technologies, realize a vision: manufacturing products of unsurpassed aesthetics and resistance, able to satisfy every modern requirement for heating.

Quality guarantee:

The selection of excellent materials, the detailed control at all stages of production and the strict adherence to specifications ensures the perfect quality of the products.

In addition, the continuous modernization, the adoption of innovative technologies, the impeccable service and excellent organization, combined with experienced staff and modern equipment, result in THERMIKI fireplaces and heaters TSALIKIS to stand out for ergonomics, flawless operation, durability, security and ease of use and to establish it as one of the most reliable companies in Greece.

Standards Compliance:

THERMIKI TSALIKIS strictly adheres to strict safety requirements and health of regulation (EU) no. 305/2011, as well as EN standards 13329:2001/A2:2004, while all products are CE marked, ensuring their compliance with applicable specifications. By choosing THERMIKI TSALIKIS, you invest in reliability and incomparable quality heating.

GENERAL INSTRUCTIONS FOR THE INSTALLATION AND USE OF THE DEVICE:

Pay close attention to the following instructions and keep them for any future reference. The manufacturer's warranty is valid only if the following installation and use instructions are followed.

- **The installation of the pellet heater must be carried out exclusively by an authorized technician.**
- The installation of the chimney must be done in accordance with the E.L.O.T. regulation. 447 DI N4705:
- Before starting the heater, make sure of the quality of the fuel (pellet). The quality of the pellet must be A1EN1PLUS. The use of poor-quality pellets carries the risk of damage to the auger motor and difficulty or misfire.
- Store solid fuels in a dry and covered area.
- Maintenance of the heater should be carried out exclusively by a qualified technician.
- The manufacturer provides a warranty for the device, covering manufacturing and material failures, according to the terms and conditions stated in the warranty provided.
- The heater should be cleaned daily during the operation period, for its proper performance.
- **It is forbidden to open the heater door during operation. Fire hazard.**
- Keep flammable materials at a distance of at least 1 meter around the heater.
- Do not place the heater on a wooden floor. The floor should be flat, non-flammable, stable and able to bear the weight of the device
- The first start-up of the device must be carried out by authorized personnel, who are responsible for its correct operation.
- For the selection of the appropriate heater, a study of the space is required by a licensed engineer, who is responsible for the selection of the appropriate model.
- **The manufacturer is not responsible for damage or damage that may be caused by poor installation, incorrect use and failure to follow the installation and use instructions.**

Symbol explanation



Warnings in the text are marked with a warning triangle.

Warnings point out the seriousness of the danger that arises if the instructions mentioned in this manual are not followed in order to avoid material damage and/or personal injury. **Ignoring these instructions can have serious consequences for people and objects.**

1. Safety instructions

These installation and operating instructions are intended for users and qualified technicians. We recommend that users read all instructions for use carefully. **Installation work and the first use of the heater must be carried out exclusively by a qualified technician.**

- This device is intended for indoor heating. Any use beyond that for which it is intended is prohibited.
- The heater must be supervised by an adult when it is in operation.
- The heater must be placed at a safe distance of at least 1 meter from any flammable material.
- The heater must not be placed on a flammable surface. Place non-flammable material where the heater is installed.
- The heater can be transported safely using the appropriate means. NEVER attempt to transport the heater while it is in use.
- **The accessible parts of the device are extremely hot during its operation, as well as for a considerable time after its operation, and therefore the necessary precautions must be taken. Keep children away.**
- Do not place flammable or explosive materials near the heater. In case you want to carry out work with flammable materials in the surrounding area, turn off the heater and wait for it to cool down before carrying out such work.
- The heater and its parts must not be modified in any way.
- Use only original spare parts from the manufacturer. The company is not responsible for any damage caused by spare parts not approved by the company.
- Make sure that the electrical installation can withstand the maximum power of the heater as indicated on the technical characteristics plate. the heater is compatible with a 230V - 50hz voltage installation, with grounding.
- For the installation of the heater, the current regulations for the discharge of smoke from the chimney must be observed, the installation of the chimney must be done by a qualified technician to ensure the effectiveness of its attraction before and during combustion.
- In case of adverse weather conditions, for example possible winds or very low temperatures, make sure that the chimney is fully insulated and has no risk of being blocked by frost or the return of smoke.
- The heater consumes the ambient air for combustion, so provision must be made for its renewal inside the installation area of the device.
- Do not place the heater in very narrow spaces and do not attach it to walls as this may prevent proper air flow.
- The lack of draft of the chimney and the obstruction of the intake of combustion air prevent the correct operation of the device, resulting in a delay in the start of combustion and in the wrong command to supply a larger quantity of pellets to the burner. Excessive smoke in the combustion area can cause the existing gases to ignite. never open the heater door during operation.
- Do not use flammable liquids to start the heater. pellets are ignited automatically when the device is started.

- Use pellets according to the technical characteristics indicated on the device plate.
- Any maintenance or repair work should only be carried out when the heater has cooled down and always unplugged from the power supply
- Always check and make sure that the door of the combustion chamber is hermetically closed during ignition and during operation in the heaters.
- In the event of a malfunction, the heater must be activated only after solving the problem that caused it.
- The connection of the heater to the electricity network is made with a socket that has grounding at the correct operating voltage and so that it is not pressed.

DANGER!



Never start the ignition if there is a quantity of pellets inside the burner chamber. Risk of explosion due to compression of exhaust gases and expansion of the safety valve in the upper part of the heater frame.

2. Installation instructions

The heater is delivered ready to install with no assembly required. The installation of the device must comply with all locally applicable regulations including those referring to national and European standards.

Warning:



The heater is not suitable for installation in shared chimney system.

Warning:



Have the heater installed by a qualified technician

Floor

Place the device on a floor that is flat, stable, non-flammable, resistant to high temperatures and able to bear the weight of the device.

Warning:



Fire hazard due to unsuitable flooring!

If the floor is flammable, place the device on a stable, durable base made of non-flammable material (e.g. ceramic or steel), with dimensions such that it protrudes around the device by at least 30 cm and at least 50 cm from the front part where the combustion chamber door is located.

Safety distances

Safety distances from flammable materials should be at least 1 meter around the heater.

Warning :



Do not place flammable objects and materials inside safety distance. Fire hazard!

3. Chimney:

A key factor for the correct operation of the heater is the choice of chimney. Pay particular attention to the following:

1. **Dimensioning:** The chimney must be of suitable dimensions so as to effectively remove flue gases from the heater.
2. **Height:** The chimney must be of sufficient height to avoid the entry of flue gases into the interior of the building.
3. **Insulation:** The chimney must be well insulated to reduce the risk of flue gas leakage and improve the efficiency of the heater.
4. **Construction and materials:** It must be made of durable and non-combustible (metallic) materials, while the fire resistance index must be at least 2 hours.
5. **Support:** It must be securely supported along its entire length against a wall, floor or ground to avoid potential hazards.

The installation of the chimney must be performed in a way so as to ensure:

- The smooth extraction of exhaust gases in normal operating conditions
- The tightness of the walls, so that smoke gases do not escape indoors and the resistance to the thermal and mechanical loads they receive.
- The resistance to conditions created by possible ignition of deposits inside the chimneys as well as to chemical attacks caused by combustion products.
- The thermal insulation, so that the external surface temperature is below 50°C at the base of the chimney, regardless of whether it is accessible or not.
- The internal walls of the chimney must be smooth without cracks and corrosion.
- Free expansion must be ensured in internal chimneys. The chimney must be located as far as possible inside the building for maximum thermal insulation and exit at its highest point.
- Bends must be avoided in the chimney route. The connection of the horizontal part of the chimney with its vertical part must be made at an angle of at least 100 degrees.
- The circular or rectangular cross-section is the most suitable for the chimney and must be kept constant throughout the length of the chimney. Arbitrarily changing the cross-section is prohibited for any reason. In rectangular cross-sections of chimneys the aspect ratio must be at most 1/1.5. The chimney cross-section is calculated according to the corresponding ELOT 447 standard.

- The chimney must end at least 1 m from its exit point, 0.70 m from any edge of a building located within a radius of less than 3 m from it and 1.50 m from combustible materials.
- For each chimney there is a cleaning opening at its base, which closes hermetically. The minimum chimney draft must be 12 Pa or 0.12 mbar.
- The construction configuration of the final part of the chimney located outside the building must be such that:
- There must be a suitable altitude difference to ensure the required traction (minimum distance of the exhaust gas exit point from the heater 1.5m).
- The external horizontal part must have the minimum possible length and protrude from the external wall at a length less than three times the diameter of the pipe.
- The final outlet of the exhaust gases must be protected with a special fitting.

In case there are openings (doors or windows) at a higher point than the end of the chimney and at a horizontal distance of less than 6 meters, it should be ensured that the nuisance caused by flue gases is limited (e.g. by raising the chimney above the openings)

Connecting a heater to a chimney.

The heater is designed to work in chimneys located close to the final outlet. The heater and its flue should be as straight as possible, and with minimal horizontal piping or a slight slope. The piping must be connected to each other in a way that ensures the tightness of the connections.

For the connection to the chimney, we insert the ducts into the flue gas outlet in a way that ensures the tightness of the connection.

In case of fire in the chimney

1. Close all vents to cut off the oxygen supply that feeds the fire.
2. Call the fire department IMMEDIATELY.
3. Clear access routes to facilitate firefighter access to the chimney.
4. If possible, move flammable objects to reduce the risk of fire spreading.
5. After extinguishing and before the heater is put back into operation, have an authorized technician check the chimney and the device and repair any damage that has been caused.
6. A qualified technician should investigate the cause of the fire and take the necessary measures to prevent future problems.

4. Combustion air

The heater uses ambient air for combustion. If the air flow from the gaps and crevices is not enough, an air supply fan (at least 4mm³ per kW for a rated thermal output of more than 5kW), which should be placed near the heater and on a wall connected to the outside environment, can provide the necessary supply air for the combustion. It is important that the means of air intake (such as blinds, fan, etc.) are not blocked, that they are open during the operation of the heater.

Danger:



Do not under any circumstances introduce air it contains volatile or flammable substances. Fire hazard!

Warning:



Do not install a hood in the same room with the heater. Smoke may seep into the space.

You should ensure that:

- There is a suitable opening for air intake.
- The horizontal sections of the pipelines have an inclination of $>5^\circ$ and a length of <2 meters.
- The vertical section must be >2 meters high.
- The connection of the ducts with the flue gas outlet must be accessible.
- There is a condensate drain (e.g. taff with a drain plug) and an ash collector.

First use / ignition

Before operating the heater for the first time, please check with the authorized technician that:

- The installation has been carried out in accordance with the building regulations and all works have been completed.
- The chimney is well fixed and free of obstructions. · The required combustion air is supplied to the heater.
- The heater is under your full control during the start-up and operation process.

Warning:



Do not touch the hot parts of the heater. Take it precautions (especially flame-resistant gloves, etc.). Keep children away, warn them of the danger and keep them under constant supervision during the duration of operation of the device.

Warning:

The smell that emerges during the first operation is normal and results from the burning of residues of the materials used in the construction of the heater. While this can be a little annoying at first, it usually goes away after a few hours of use. You can run the heater for a few hours in a well-ventilated area so that the smell will naturally decrease.

Warning:

When you use the hydraulic pellet heater for the first time, you will notice water droplets (liquefaction) in the lower part of it. This is normal and only happens when the heater is first

turned on. Wipe off the water with a cloth.

Warning:



The heater must be used with the door of the closed combustion chamber. Emission of flue gases hazard.

Heater deactivation.

To turn off the heater press and hold the ON/OFF button until to see the corresponding deletion message on the screen. Do not disconnect it heater from the power supply to turn it off

DO NOT EXTINGUISH THE FIRE WITH WATER!

WARNING:

The heater does not emit fumes or smoke into the home as long as it has been properly installed by a qualified technician, according to the installation instructions, the chimney has been installed correctly and the cleaning and maintenance instructions for the heater have been applied. Occasionally and only during ash removal there may be some smoke for a short time.

Warning :



Stop using the heater if there are any fumes or fumes and ventilate the area immediately

In case of flue gas emission:

- Open doors and windows to ventilate the space.
- Check the chimney if there is any obstacle preventing the extraction of flue gases.
- Ask for the help of a qualified technician.
- Do not attempt to operate the heater again unless the cause of flue gas emission is investigated and corrected.

Cleaning and maintenance

It is important that the heater is serviced at least once a year by a qualified technician, according to the instructions.

Warning:



Cleaning and maintenance of the heater should be carried out when the device has completely cooled down.

Cleaning of external surfaces

The outer surfaces of the heater are painted with high temperature resistant paint. Use a soft brush or dry cloth to clean them. Remove moisture as surface rust may form.

Ash container cleaning

Empty the ash container at regular intervals or even daily if required.

Cleaning the ceramic glass of the combustion chamber (flame port).

The glass of the combustion chamber is kept clean by proper air supply to the combustion chamber. In case of pollution:

- Remove light dirt from the glass with a damp cloth.
- Use a mild detergent without active substances.
- In case of stubborn dirt, remove it with a special cleaner.

Be careful and follow the directions for using these products as they may damage the fireproof coating.

Combustion chamber lining cleaning

The lining of the combustion chamber consists of refractory plates. To clean them:

- Wait until the surfaces with the refractory plates cool down.
- Clean the surfaces of the combustion chamber with a soft brush or broom. Do not use sharp objects or wire to clean surfaces.

Chimney and flue cleaning

The maintenance and cleanliness of the flue ducts and the flue socket is important for the safe operation and proper performance of the heater. The cleanliness of these parts ensures the unhindered extraction of flue gases and the avoidance of possible problems such as fire or the creation of flue gases in indoor spaces. A visit by a qualified technician should be scheduled at least once a year to clean and check these parts. **During the summer** make sure the heater is cleaned and moving parts are lubricated. Leave the air intake lever slightly open to allow air to enter through the heater into the flue, thus preventing moisture and condensation in the chimney.

Instructions for installing a water circuit pellet heater

The water circuit heater, which has a built-in water tank (boiler), is designed to work in a water heating system under maximum operating pressure:

For open system 1 bar and for closed system 2 bar.

In the combustion chamber of the device there is an integrated boiler. The maximum temperature of the water in the boiler must be 85C.

When connecting the heating system, the following guidelines and recommendations must

be observed:

- The installation of the heater should only be carried out by a qualified technician.
- Before connecting the installation, it is advisable to calculate the heat loss in the room. Make sure that the required thermal power does not exceed the nominal thermal power of the boiler, which can lead to shrinkage and rupture of its surfaces.
- In the open water heating circuit, an open expansion tank should be installed in the installation. Do not connect any accessories that obstruct the connection between the device and the expansion tank. The open circuit system operates under a pressure of 1 bar.
- In the closed water heating circuit, protective components must be integrated into the installation, which will ensure that the operating pressure will not exceed 2 bar.
- Ventilation must be ensured in every part and component of the circuit, at every moment of operation.
- During installation, a pipe plug with a diameter of at least 1/2" must be placed very close to the built-in boiler, at the lowest point.
- All parts of the installation should be protected from frost, especially if the expansion tank or other parts are installed in unheated rooms.
- When using an old installation, the entire circuit should be cleaned of accumulated dirt that may have settled on its parts.
- A fill and discharge valve must be installed by the installation technician. The circuit water should not be drained from the installation during the period when the device is not in use.
- It is necessary to install a UPS to power the pump in the event of a power outage lasting at least 3 hours.
- The surfaces of the heater should be cleaned of smoke and resin deposits at least once a month.

Warning:

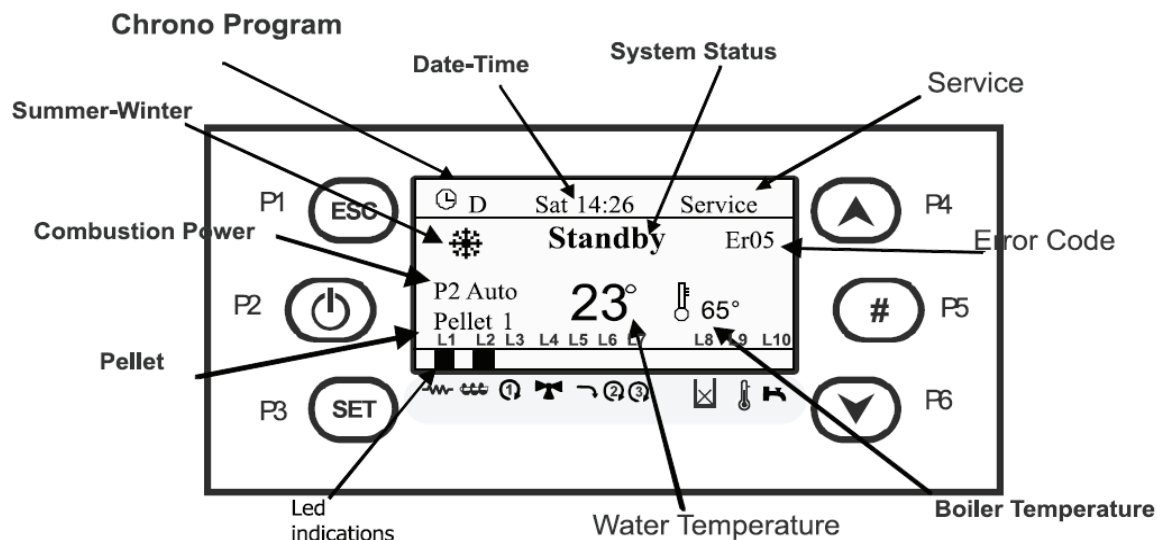


The manufacturer is not responsible and cannot guarantee the operation of the heating installation. In case of wrong connection and incorrect operating pressure, damage may occur and damage to the heater which is not covered by the warranty.

HYDRO PELLET HEATER

QUICK MANUAL FOR PELLETS BURNING STOVES WITH BOILER

CONTROL PANEL- DISPLAY SCREEN



LEDS

L1 Heating Resistance ON
L2 Auger ON
L3 Pump ON
L4 Valve ON
L6 Valve ON
L8 Lack of Pellet
L9 External Thermostat
L10 Sanitary Water demand

BOTTUNS

P1 = Function Exit managed pushing the button
P2 = Start and Stop the stove
P3 = Enter in Menu or in a Submenu, Save data in a Menu
P4/P6 = Change Menus and Submenus values
P5 = Reset

ERROR

Er01	Error Safety, High Voltage 1. Also with system Off
Er02	Error Safety, High Voltage 2. Only if Combustion Fan is On
Er03	Extinguishing for exhaust under temperature
Er04	Extinguishing for water over temperature
Er05	Extinguishing for exhaust over temperature
Er07	Encoder Error. This error can occurs for lack encoder signal
Er08	Encoder Error. This error can occurs in case of adjustment problems of rounds number
Er09	Water pressure low
Er10	Water pressure high
Er11	Real Time Clock error
Er12	Extinguishing for ignition field
Er15	Lack of voltage
Er17	Air Flow Regulator Error
Er18	Run out of Pellet
Er39	Air Flow Regulator Sensor Broken
Er41	Minimum air flow in Check Up not Reached
Er42	Maximun air flow Up reached

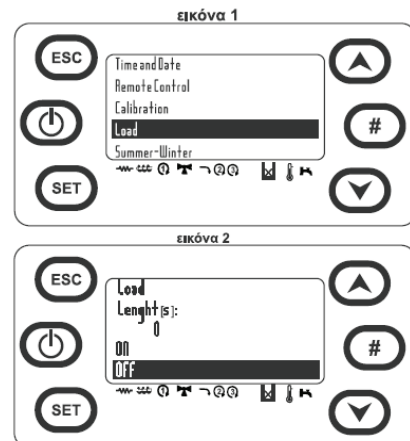
DO NOT ENTER IN ANY MENU THAT IS PASSWORD PROTECTED

1. PELLET FILL UP

In the first use and every time that the pellet stove, runs out of pellet, we to refill the auger with pellet, so we can start the stove.
Since we have filled the tank with pellets.

In the idle screen, we press the **MENU (SET)** button, with the arrow buttons we move to the **LOAD** option (pic1, we press **MENU (SET)**) The pic2 submenu is appeared, we select the ON option and press the **MENU (SET)** button.

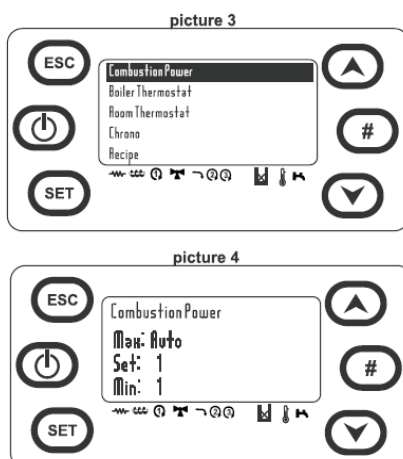
When you see the first pellet in burnet, with the arrow buttons you select the OFF option and press **MENU (SET)** button.
By pressing the **ESC** button we go back to the main menu.



2. START AND STOP THE PELLET STOVE

We connect the power supply cable in the back side of the stove, and turn the switch in the position I

To start or stop the stove we long press for 5seconds the button (power icon)



3. COMBUSTION POWER MENU

To change the combustion power: We press **MENU (SET)** button in the start screen and we move with the arrow buttons to **Combustion Power** option (pic 3), we press again **MENU (SET)** button.

Picture's 4 submenu is appeared.

With the arrow buttons we can select the desired combustion power from 1 to 5 or **AUTO**.

In **AUTO** option the combustion power is automatically selected depending on the room temperature.

To Set our choice we press **MENU (SET)**.

By pressing the **ESC** button we go back to the main menu.

4. BOILER THERMOSTAT

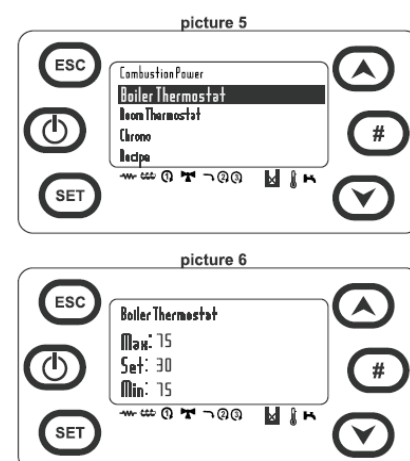
To set the boiler thermostat value: In the start screen we press **MENU (SET)** button, we move with the arrow buttons to **BOILER THERMOSTAT** (pic5) option, we press again **MENU (SET)** button.

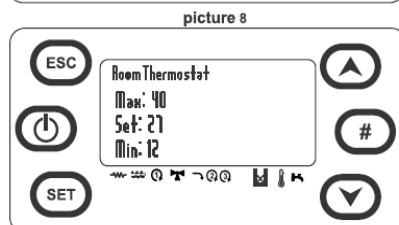
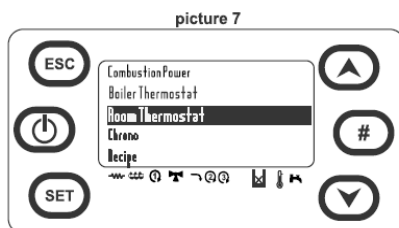
Picture 6 submenu is appeared.

With the arrow buttons we can select the desired boiler thermostat temperature from 30oC to 75oC (it is recommended to don't change this value).

To set our choice we press **MENU (SET)** button.

By pressing the **ESC** button we go back to the main menu.





5. ROOM THERMOSTAT

To set the room thermostat value: In the start screen we press **MENU (SET)** button, we move with the arrow buttons to **ROOM THERMOSTAT** (pic7) option and we press again **MENU (SET)** button.

Picture 8 submenu is appeared.

With the arrow buttons we can select the desired boiler thermostat temperature from 10oC to 40Oc .

To set our choice we press **MENU (SET)** button.

By pressing the **ESC** button we go back to the main menu.

!!! If you connect an external room thermostat, you need to change the parameters (only technical expert) and you will not be able see the room thermostat.

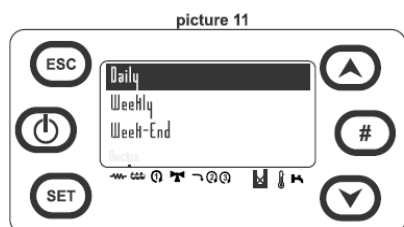
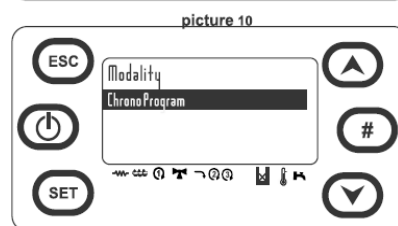
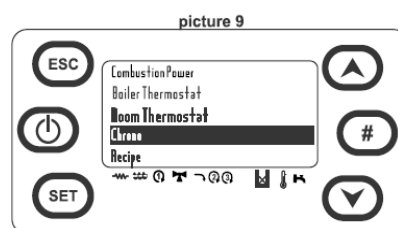
6. CHRONO PROGRAM

To set a chrono program which allows us to set the days and the hours that our pellet stove start and stop working: In the start screen we press **MENU (SET)** button, we move with the arrow buttons to **CHRONO PROGRAM** (pic9) option and we press **MENU (SET)** button.

Picture 10 submenu is appeared.

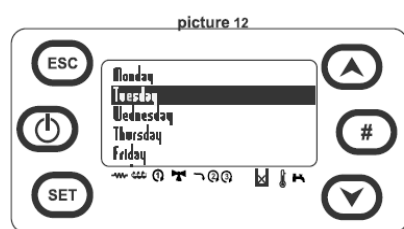
In **MODALITY** option we can choose to enable or disable the chrono program daily, weekly or weekend.

By pressing the **ESC** button we go back to the main menu.



By pressing **MENU (SET)** in **CHRONO PROGRAM** we moved to picture 11 submenu where we can choose daily, weekly or weekend use of program.

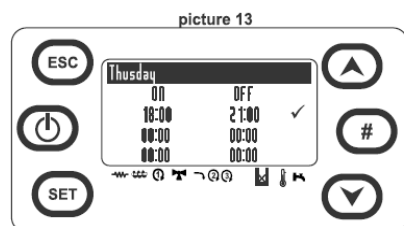
Suppose we wish daily operation, by pressing **MENU (SET)** button we move to picture 12 submenu, where we randomly choose **THUESDAY** and press **MENU (SET)**.



Picture 13 submenu is appeared.

With the arrow buttons we can set when our pellet stove starts **ON** and when it stops **OFF**. (max 3 times per day).

By pressing **MENU (SET)** in the preferred time it starts flashing, with the arrow buttons we set the time and by pressing **MENU (SET)** we set the time.



Finally to confirm the program we press the **#** button and a ✓ is appeared next to **OFF**.

By pressing the **ESC** button we go back to the main menu.

7. SETTING DAY AND TIME

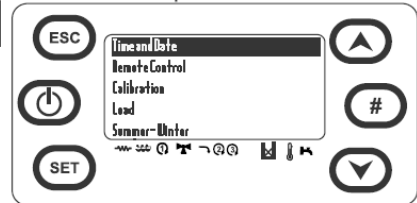
To set day and time: In the start screen we press **MENU (SET)** button, we move with the arrow buttons to **TIME AND DATE** (pic14) option and we press **MENU (SET)** button.

Picture 15 submenu is appeared.

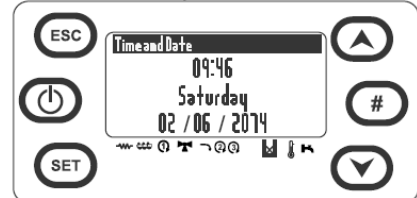
With the arrow buttons we select the option we want to change, we press **MENU (SET)** button and it starts flashing, with the arrow buttons we put the desired value and by pressing **MENU (SET)** button we set our values.

By pressing the **ESC** button we go back to the main menu.

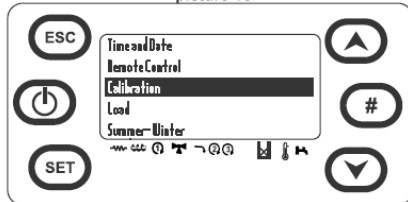
picture 14



picture 15



picture 16



picture 17



picture 19



picture 20



8. CALIBRATION

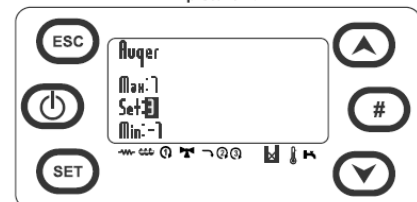
In case that our pellet stove does not work right, for example because of a short chimney, or bad pellet, we can set the Combustion Fan's speed and the Auger's work time (for each step the value is increased or decreased of a per cent value).

In the start screen we press **MENU (SET)** button, we move with the arrow buttons to **CALIBRATION** (pic16) option and we press **MENU (SET)** button.

Picture 17 submenu is appeared, where we can select Combustion Fan's speed or the Auger's work time, by pressing **MENU (SET)** button.

In case that we select to change the AUGER, picture 18 submenu is appears, where we can choose from -7 to 7, by pressing **MENU (SET)** button we set our values.

picture 18



9. SUMMER-WINTER

In this menu we can modify season so our pellet stove can adjust according to season.

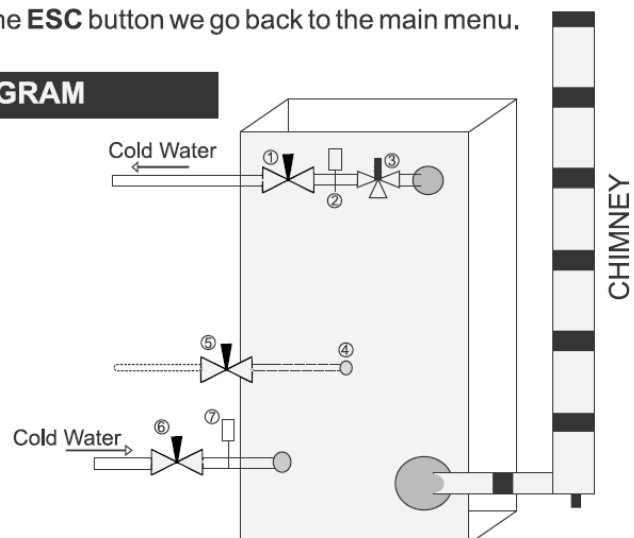
In the start screen we press **MENU (SET)** button, we move with the arrow buttons to **SUMMER-WINTER** (pic19) option and we press again **MENU (SET)** button.

Picture 20 submenu is appeared, where we can select **SUMMER** or **WINTER**, by pressing **MENU (SET)** button.

By pressing the **ESC** button we go back to the main menu.

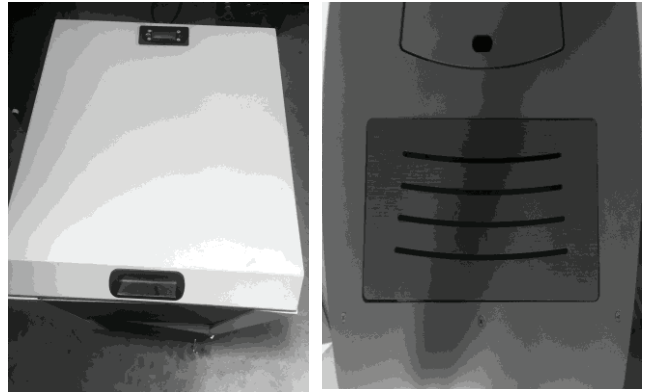
HYDRAULIC CONNECTION DIAGRAM

- 1) Hot water valve
- 2) Automatic Air Vent Valve
- 3) Relief Valve
- 4) Filling
- 5) Filling Valve
- 6) Cold Water Valve
- 7) Drain Valve



CLEANING THE WATER CIRCUIT PELLET (HYDRO)

Remove or lift the lid depending on the model you have (picture 1)



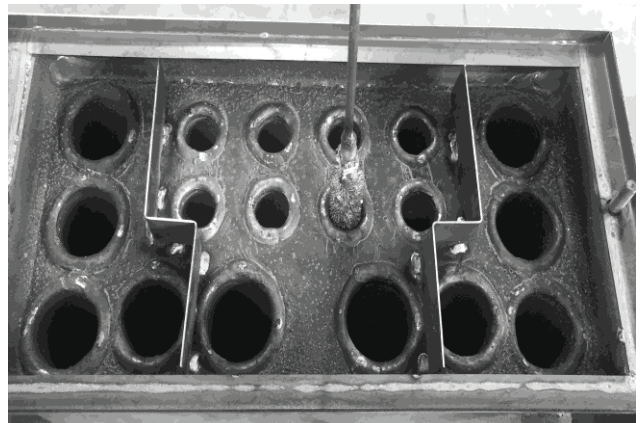
1

Unscrew the 2 end screws (picture 2) and remove the inner cover



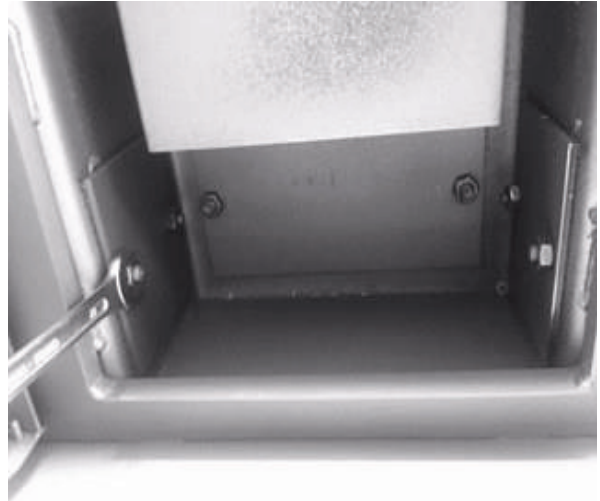
2

Wire brush all air vents (tumble) (picture 3)



3

Behind the ash drawer you will find 3 plugs around the perimeter. Remove as in picture 5



5

Using an ash broom clean the entire area thoroughly to the deepest point (picture 6)

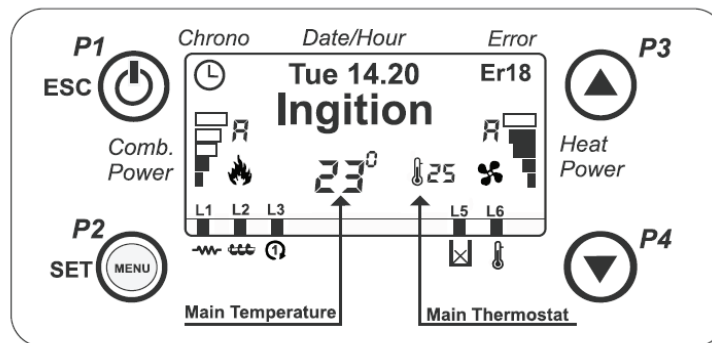


6

AERO PELLET HEATER

QUICK MANUAL FOR PELLETS BURNING STOVES WITH HEAT FAN

CONTROL PANEL- DISPLAY SCREEN



LEDS

L1 Heating Resistance ON
 L2 Auger ON
 L3 Pump ON
 L4 Lack of Pellet
 L5 Thermostat ON

BUTTONS

P1 = Start and Stop the stove
 P2 = Enter in Menu or in a Submenu, Save data in a Menu
 P3/P4 = Change Menus and Submenus values

ERRORS

Er01	Safety Thermostat AT1 start: signalled also in case of Stove OFF
Er02	Safety Pressure switch AT2 start: signalled with combustion Fan ON
Er03	Extinguishing for Exhaust Temperature lowering
Er05	Extinguishing for Exhaust over Temperature
Er06	Pellet Thermostat Open (flame return from the brazier)
Er07	Encoder Error: No Encoder Signal (in case of P25=1 o 2)
Er08	Encoder Error:Combustion Fan regulation failed (in case of P25=1 o 2)
Er11	DAY and TIME not correct due prolonged absence of power supply
Er12	Failed ignition
Er15	Lack of voltage Supply
Er18	Lack of Fuel
Er39	Flow meter sensor damaged
Er41	Minimum air flow in Check Up not Reached
Er42	Maximum air flow (F40)
Sond	Anomaly in probe control during Check Up phase
The reset of the BLOCK Condition is done by Long Pressure of the Button P1	

1. PELLET FILL UP

In the first use and every time that the pellet stove, runs out of pellet, we have to refill the auger with pellet, so we can start the stove.

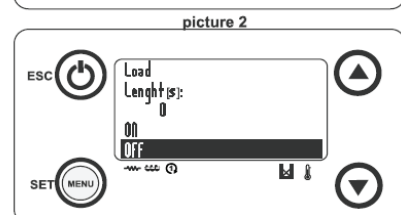
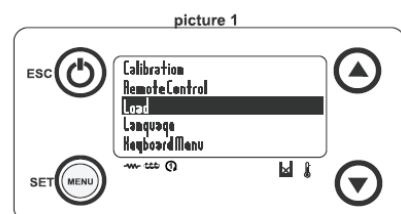
Since we have filled the tank with pellets.

In the idle screen, we press the **MENU (SET)** button, with the arrow buttons we move to the **LOAD** option (pic1) and we press **MENU (SET)**.

The pic2 submenu is appeared, we select the **ON** option and press the **MENU (SET)** button.

When you see the first pellet in burnet, with the arrow buttons you select the **OFF** option and press **MENU (SET)** button.

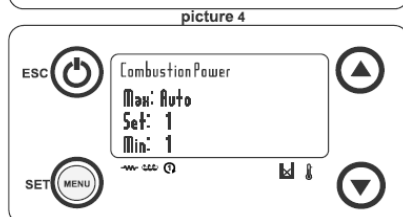
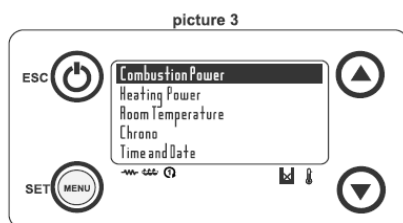
By pressing the **ESC** button we go back to the main menu.



2. START AND STOP THE PELLET STOVE

We connect the power supply cable in the back side of the stove, and turn the switch in the position **I**

To start or stop the stove we long press for 5seconds the button **ESC**.



3. COMBUSTION POWER MENU

To change the combustion power: We press **MENU (SET)** button in the start screen and we move with the arrow buttons to Combustion Power option (pic 3), and we press **MENU (SET)** button.

Picture's 4 submenu is appeared.

With the arrow buttons we can select the desired combustion power from **1 to 5 or AUTO**.

In **AUTO** option the combustion power is automatically selected depending on the room temperature.

To Set our choice we press **MENU (SET)**.

By pressing the **ESC** button we go back to the main menu.

4. HEATING POWER (ROOM FAN)

To change the heating fan power: We press **MENU (SET)** button in the start screen and we move with the arrow buttons to **HEATING POWER** option (pic 5), and we press again **MENU (SET)** button.

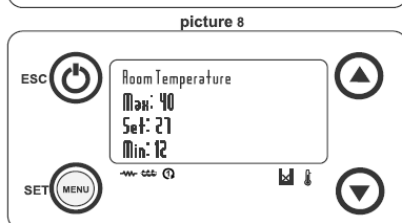
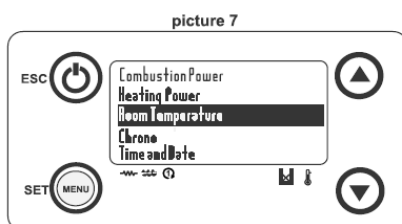
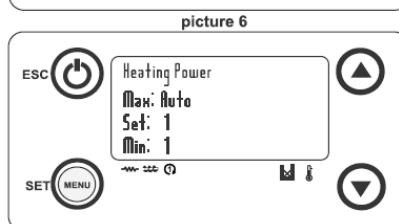
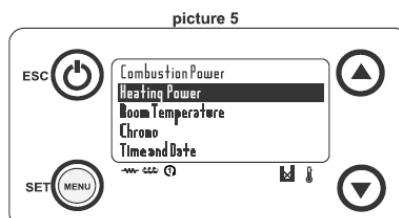
Picture's 6 submenu is appeared.

With the arrow buttons we can select the desired heating fan power from **1 to 5 or AUTO**.

In **AUTO** option the combustion power is automatically selected depending exhaust temperature.

To Set our choice we press **MENU (SET)**.

By pressing the **ESC** button we go back to the main menu.



5. ROOM TEMPERATURE

To set the room temperature: In the start screen we press **MENU (SET)** button, we move with the arrow buttons to **ROOM THERMOSTAT** (pic7) option and we press **MENU (SET)** button.

Picture 8 submenu is appeared.

With the arrow buttons we can select the desired boiler thermostat temperature from 10oC to 40oC .

To set our choice we press **MENU (SET)** button.

By pressing the **ESC** button we go back to the main menu.

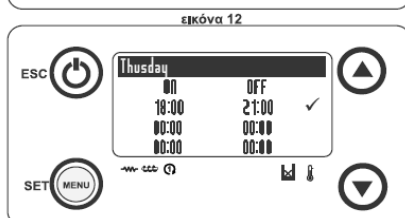
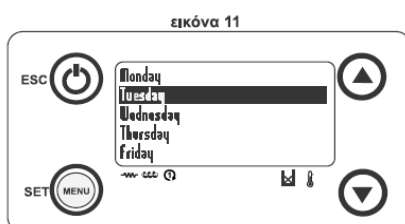
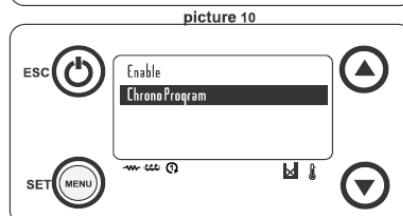
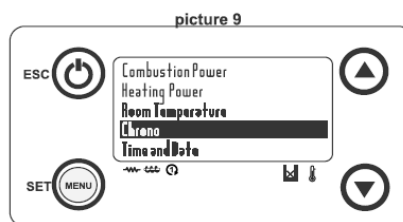
6. CHRONO PROGRAM

To set a chrono program which allows us to set the days and the hours that our pellet stove start and stop working: In the start screen we press **MENU (SET)** button, we move with the arrow buttons to **CHRONO PROGRAM** (pic9) option and we press **MENU (SET)** button.

Picture 10 submenu is appeared.

In the **ENABLE** option we can choose to enable or disable the chrono program.

By pressing the **ESC** button we go back to the main menu.



By pressing **MENU (SET)** in **CHRONO PROGRAM** we moved to picture 11, where we randomly choose **THUESDAY** and press **MENU (SET)**.

Picture 12 submenu is appeared.

With the arrow buttons we can set when our pellet stove starts **ON** and when it stops **OFF**. (max 3 times per day).

By pressing **MENU (SET)** in the preferred time it starts flashing, with the arrow buttons we set the time and by pressing **MENU (SET)** we set the time.

Finally to confirm the program we long press **MENU(SET)** button and a ✓ is appeared next to OFF.

If we want to disable a time we long press **MENU(SET)** button in the time we want until the ✓ disappeared.

By pressing the **ESC** button we go back to the main menu.

7. SETTING DAY AND TIME

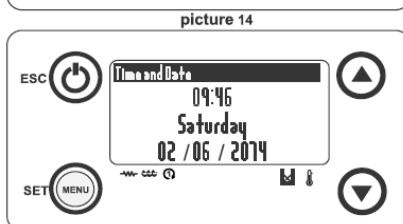
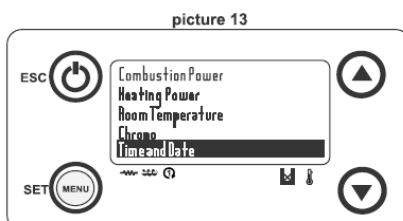
To set day and time.

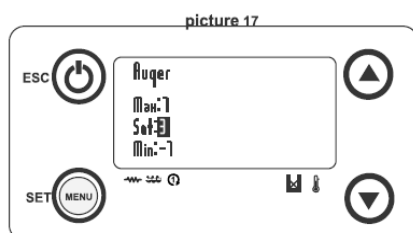
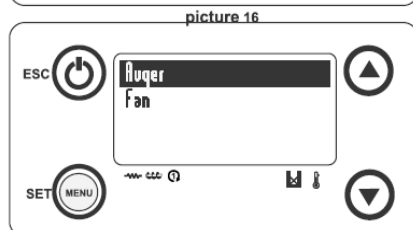
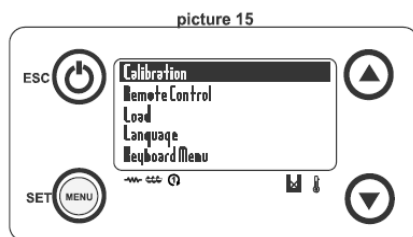
In the start screen we press **MENU (SET)** button, we move with the arrow buttons to **TIME AND DATE** (pic13) option and we press again **MENU (SET)** button.

Picture 14 submenu is appeared.

With the arrow buttons we select the option we want to change, we press **MENU (SET)** button and it starts flashing, with the arrow buttons we put the desired value and by pressing **MENU (SET)** button we set our values.

By pressing the **ESC** button we go back to the main menu.





8. CALIBRATION

In case that our pellet stove does not work right, for example because of a short chimney, or bad pellet, we can set the Combustion Fan's speed and the Auger's work time (for each step the value is increased or decreased of a per cent value).

In the start screen we press **MENU (SET)** button, we move with the arrow buttons to **CALIBRATION** (pic15) option and we press **MENU (SET)** button.

Picture 16 submenu is appeared, where we can select **Combustion Fan's** speed or the **Auger's** work time, by pressing **MENU (SET)** button.

In case that we select to change the **AUGER**, picture 18 submenu is appears, where we can choose from -7 to 7, by pressing **MENU (SET)** button we set our values.

By pressing the **ESC** button we go back to the main menu.

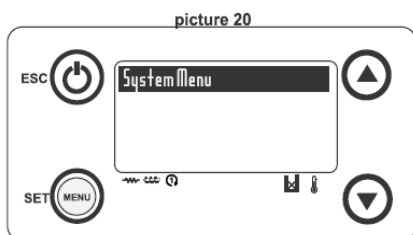
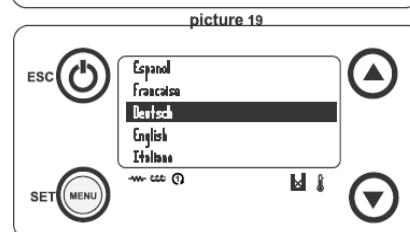
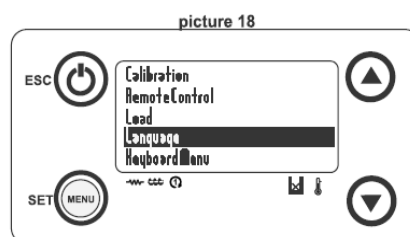
9. LANGUAGE

To set the preferred language for the menu: In the start screen we press **MENU (SET)** button, we move with the arrow buttons to **LANGUAGE** (pic18) option and we press again **MENU (SET)** button.

Picture 19 submenu is appeared.

With the arrow buttons we can select SPANISH-FRENCH-GERMAN-ENGLISH-ITALIAN and we press **MENU (SET)** button.

By pressing the **ESC** button we go back to the main menu.



10. SYSTEM MENU

The selection system menu is the advanced settings of the heater. Setting become **only by a qualified technician**.

CLEANING THE AERO HEATER

The cleaning of the heater should be done on a daily basis during the period in which the heater operates frequently, to ensure its smooth operation.

- Pull out the lever, as shown in pic. 1, so that the air ducts are cleaned heater.
- Open the combustion chamber door and empty the ash collection container (pic. 2) and clean the surrounding debris. This can be done very easily and by using a special ash cleaning vacuum cleaner. Annual cleaning takes place after the end of the season.
- Using a screwdriver, remove the vermiculite plates on the right and left of the combustion chamber and then remove the back plate (pic. 3)
- Unscrew the screws under the combustion chamber and remove the protective cover (pic.4)
- After removing it, we have access to unscrew the 4 screws that hold it cap from the opening at the bottom of the heater (pic.5) so that we can clean them pellet residues using a special ash sweeper (pic. 6)



Pic.1



Pic.2



Pic.3



Pic.4



Pic.5



Pic.6

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Problematic combustion areas are not heated .	Use of moist pellets .	Use dry pellet
	Wrong type of fuel	Use the right type of pellet
	Flue stack effect problem	If necessary clean the flues
	Insufficient combustion air.	Check air inlet. Clean ash from chamber. Empty ashtray.
Too much smoke	Insufficient combustion air.	Like above
Fire in chimney	Wrong fuel type. Insufficient air inlet	Deactivate device and call fire department ASAP
Glass gets dirty too often	Like above	Check pellet type.
		Open air inlet

WARRANTY

Warranty terms (ONE YEAR WARRANTY PERIOD):

1. The heater should be installed by a qualified technician.
2. The product identification plate, as well as the purchase document, should be kept until the end of the warranty. To solve any problem their demonstration is necessary. In case the consumer is unable to show the plate or proof of purchase, the warranty ceases to be valid.
3. The maintenance of the heater should be carried out at least once a year by an authorized technician.
4. Damages that are likely to be caused by defective products, which have nothing to do with the heater, or by incorrect installation, are not covered by the warranty.
5. The warranty is not valid if the heater operates under the following conditions: low flue gas temperature, water with high salt content, etc.
6. The components covered by the guarantee must first be sent to the company at the customer's expense to determine the damage. The cost of any part not covered by the warranty is borne by the customer. Any replacement or repair carried out as part of the warranty does not extend the warranty period
7. The pellet auger motor is covered by the warranty, unless its gears are broken, in which case the warranty is void.

The warranty does not cover:

- **Wear and tear during transport.**
- **Damages due to a power outage or any climatic or environmental condition.**
- **Breaking the door glass**

MANUFACTURER



SERVICE AND MAIDENANCE SCHEDULE

[illegible]