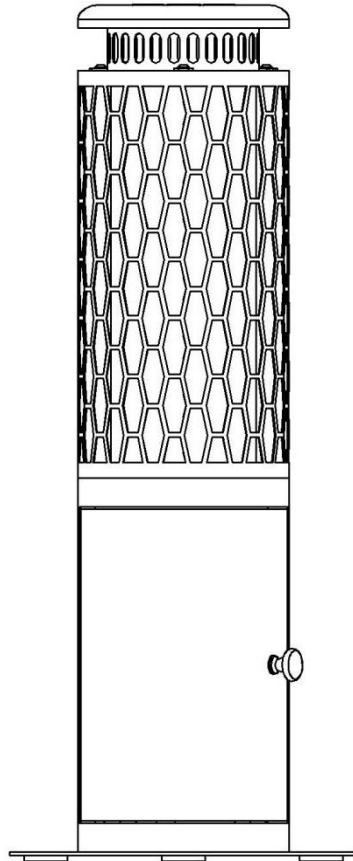


Instruction Manual

Bio pellet heater

LT-FLT012-BK



Read these instructions carefully before using a new bio pellet heater

PREFACE

Dear Customer,

thank you for the preference and trust in our products, please take some time to read this manual carefully before you use it for the first time. In this way you can make the best use of your appliance in conditions of safety and efficiency.

1 – WARNINGS

This GUIDE contains the necessary information for the use and maintenance of the appliance. Please comply with these provisions for the correct use of the appliance in safety.

This installation and use manual is an integral part of the product: make sure it is always supplied with the appliance.

1.1 – HOW TO READ THIS GUIDE

"Bold" texts require more attention from the user; cursive text is possibly used in paragraphs for the purpose of providing more information or additional clarifications. Any "Note" provides the user with additional information on the subject.



MANUAL

Consult this manual or any references to other documentation.



ADJUSTMENTS AND OPERATING SETTINGS:

Sequence of buttons to be pressed to access menus or make adjustments.



INFORMATION

Failure to comply with what is prescribed will compromise the use of the product.



DAMAGE TO PERSONS

This security symbol identifies important information.

Read the information that follows carefully, as failure to follow the instructions can cause serious damage to people using the appliance.



PROHIBITION

This symbol categorically prohibits the operation or situation described in the information.

Failure to comply would result in what is mentioned for the "PERSONAL DAMAGE" symbol

2 – SAFETY

The appliance has been designed to minimize the risks for the user and maintenance personnel. During the project, it was not technically possible to completely eliminate the causes of risk, therefore it is absolutely necessary to comply with the following instructions.

2.1 - RECCOMANDATIONS

The use of the appliance is prohibited to children and unassisted disabled people. It is forbidden to tamper with the safety or adjustment devices and any other modification without the manufacturer's authorization.



The use of the appliance as an incinerator or in any case the use in a different way for which it was built is prohibited.

It is forbidden to place rags or clothes to be dried on the appliance, any drying racks must be placed at a minimum distance of 2.0 meters from the appliance in order to avoid fire hazards.

It is forbidden to open the appliance door during the ignition, operation and shutdown phases.

It is forbidden to operate the appliance if the glass of the combustion chamber is broken.

It is forbidden to clean the glass and all hot parts while the appliance is in operation.



It is forbidden to touch the appliance while it is running or in any case when it is not completely cooled as some parts (handle, door, glass, etc.) could cause burns. If necessary, use protective clothing (example: gloves, etc.). It is forbidden to use other types of fuel for the power supply or ignition of the appliance.

It is forbidden to put flammable materials near the appliance (example: bags of pellets, flammable liquids, etc.).



Children must not play with the appliance even if it is turned off. Cleaning and maintenance is intended to be carried out by the user or by qualified personnel.

WARNING



Do not use the appliance under rain, the glass protections may break when they suddenly encounter water. Always turn off the appliance while it rains. Do not spray any liquid on the glass while the appliance is running. The glass is extremely hot during operation, do not try to touch it and keep children away from the appliance. Always make sure that the equipment is in a stable position. The glass protections could break if the appliance falls to the ground. Do not use the appliance if the glass is broken or damaged.

CAUTION



Some parts of this product can become very hot and cause burns. Particular attention should be paid to where children and vulnerable people are present. During and immediately after operation, the appliance is extremely hot. NEVER touch the appliance during or immediately after operation. NEVER move the appliance during this time

3 – SHIPPING AND STOCKING



The body of the appliance must always be moved in a vertical position. Particular attention must be paid to ensuring that the glass and all delicate parts are preserved from mechanical impacts that compromise its integrity and correct functioning.

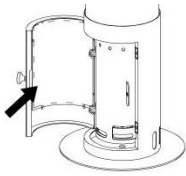
The appliance and any accessories such as steel, glass or stone cladding must be stored in closed and humidity-free rooms. Do not stack the appliances one on top of the other. Handle with care the boxes containing the appliances.

It is not recommended to keep the product in stock for excessively long periods.

4 –ARRIVAL AND IDENTIFICATION



Upon receipt, check that the appliance does not show any breakages or dents and that the model corresponds to what is indicated in the transport document. Any damage, incomplete or non-compliant delivery problems must be promptly reported to the Manufacturer or the Dealer.



The relevant parameters and precautions are printed behind the door.
Example of the label.

Do not leave packaging materials at children's hand because it can be a source of danger. The disposal of the packaging material is under user's responsibility.

5 – INSTALLATION INSTRUCTIONS

The installation and assembly of the appliance must be carried out carefully following the instructions and in full compliance with the state and local reference standards. An installation that does not comply with the provisions of the regulations can cause damage to people, animals or things. In this case The manufacturer declares itself relieved of any responsibility.

All the information contained in the manual is not to be considered as a substitute for the European standards to which they refer. The seller must notify the user of the above rules.

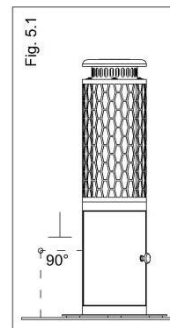


ATTENTION: if the indications given in this booklet are not respected and / or if the installation is not in a workmanlike manner and / or if the provisions in force on the matter are not respected, this can occur dangerous conditions both for things and for people.

5.1 – LOCATION OF THE APPLIANCE



Pellet heater is an open hearth combustion appliance intended exclusively for outdoor use or in partially closed rooms such as porches, pergolas. The positioning of the appliance must take place on a leveled surface with adequate load capacity in relation to the weight of the Appliance (see data on the identification plate - Paragraph If necessary, redistribute the weight evenly by placing an adequately sized fireproof platform between the floor and the appliance.



ATTENTION: the appliance must be installed perfectly perpendicular to the ground.



The appliance has been designed to work with favorable climatic conditions, in case of particularly adverse conditions (strong wind, intense rain, snow) it is not recommended to use the appliance.



Installation of the appliance in unsuitable rooms with insufficient ventilation (where the correct evacuation of combustion products is not guaranteed) is not allowed. It is forbidden to place the device in environments with an explosive atmosphere.

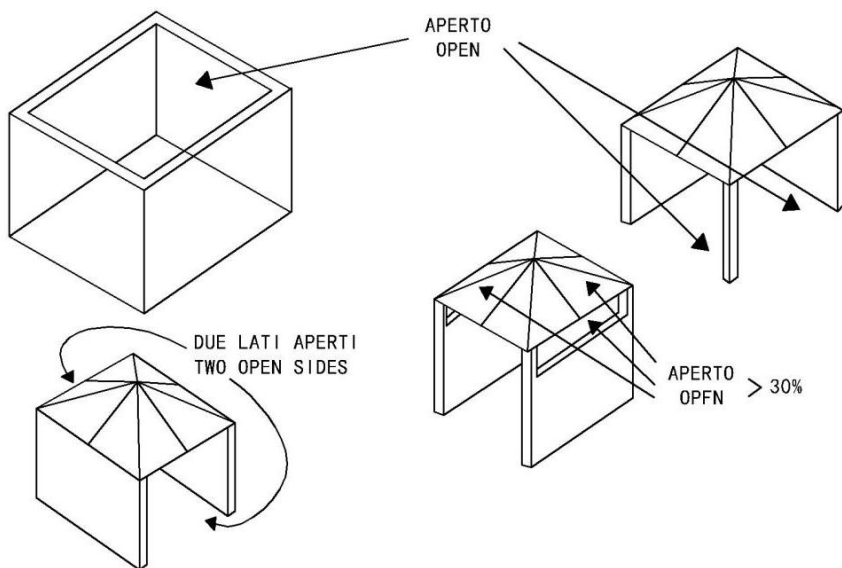
The combustion products generated by the appliance must be evacuated directly into the atmosphere, these are not very visible but very hot and therefore can cause burns .



It is absolutely forbidden to obstruct the smoke outlets of the appliance with protective nets or anything else since they could cause serious malfunctions of the appliance.

It is absolutely forbidden to connect the end of the appliance to pipes or flues to convey combustion products elsewhere.

5.2 – OUTDOOR AREAS EXAMPLES

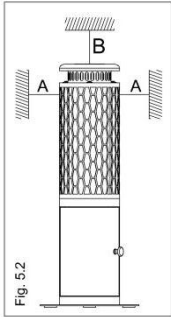


5.3 – SAFETY CLEARANCES

If the appliance is used under mobile structures such as canopies, gazebos, curtains or under trees, plants or other vegetation, it is mandatory to maintain the following safety distances:

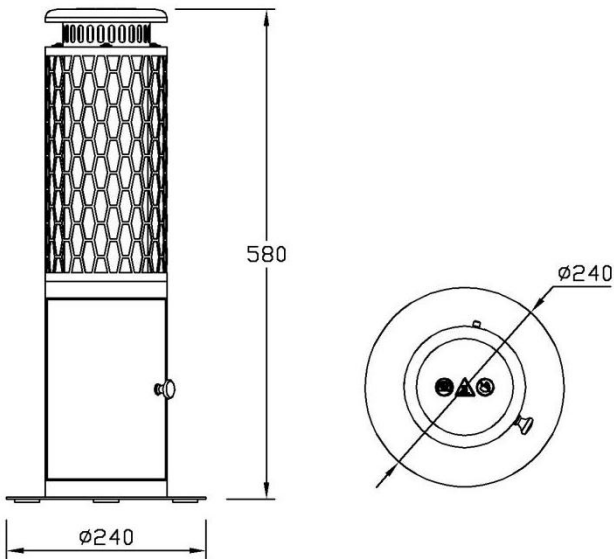
Legend Fig.-5.2

A	From the side wall	200cm
B	Top distance from ceiling	200cm



The installation distances must be respected for safety and fire prevention. If the floor is made of flammable material, for example: (wood, carpet, rubber, plastic), it is mandatory to provide for the use of adequately sized floorboards (sheet metal, glass). It is prohibited to place flammable materials near the appliance (example: bags of pellets, flammable liquids, etc.)

5.4–DIMENSIONS



6 – USERGUIDE



We remind you that the use of the appliance by children is prohibited. The external parts of the appliance, when it is turned on, are very hot, especially the glass and the door; therefore provide for appropriate measures or protections against accidental contact and fire hazards.



We remind you that installation and use must comply with current state and local regulations.

6.1 – THE PELLET

The fuel used is called pellet, which is pressed wood sawdust granules.

By using only quality pellets, an almost neutral environmental impact in terms of CO₂ is obtained, a high efficiency and less ash accumulation inside the appliance.

Below are the reference parameters of a good quality pellet:

- ✓ Diameter = 6 / 6.5mm
- ✓ Length = 10/20 mm
- ✓ Maximum moisture content 8%
- ✓ Ash residue: less than 1.5%
- ✓ Density: 650 kg / m³
- ✓ Minimum calorific value: 4.9 kWh / kg; about 18000kJ / kg
- ✓ Raw material: only natural wood free of chemicals or leftovers. If binders are present,
- ✓ these must only be of natural origin and in a minimum quantity.



The MANUFACTURER will void the warranty if not certified pellet is used. Furthermore, it is not responsible for the poor performance of the appliance caused by inadequate quality of the pellets.



The use of the appliance as an incinerator or in any case the use in a different way for which it was built is prohibited.

It is forbidden to use other types of fuel for powering or switching on the appliance.

The use of any pellet other than that indicated is prohibited. The use of fuel that does not comply with the above specifications, in addition to immediately voiding the appliance warranty, can create dangerous situations.

6.2 – PRELIMINARY CHECK UP



All preliminary checks must be performed at the first ignition or after a long period of inactivity.

Check that the positioning of the appliance respects the safety distances. Check that there are no flammable materials near the appliance. For safety distances see Paragraph 5.2



In case of an ignition after a long period of inactivity, all parts of the brazier, the glass and the fan area, must have previously been inspected and cleaned of ash and dust.



Check that there are no flammable materials inside the combustion chamber (documentation, cables, paper, etc.)

7 -START

After unpacking the appliance, prepare all accessories nearby.

Before starting the ignition phase it is advisable to carry out preliminary checks:

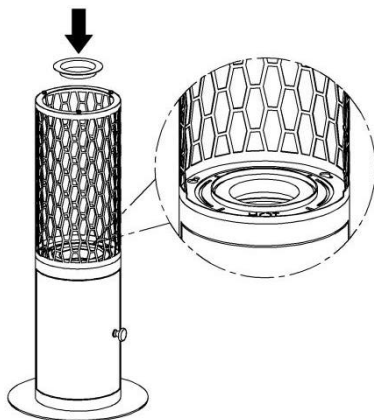
- Check that the positioning of the appliance respects the safety distances.
- Check that the appliance has no obstructions on the top near the smoke outlet.
- Check that the appliance is positioned flat, stable and perfectly vertical.

7.1 – Accessories

FLT012 Accessories			
N0.	Part	Quantity	Image
1	Top cover group	1	
2	Glass tube	1	
3	Fuse	1	
4	Ash tray	1	
5	M4*12 Allen round screws	3	
6	M4 wrench	1	

7.2 – Assembling Process

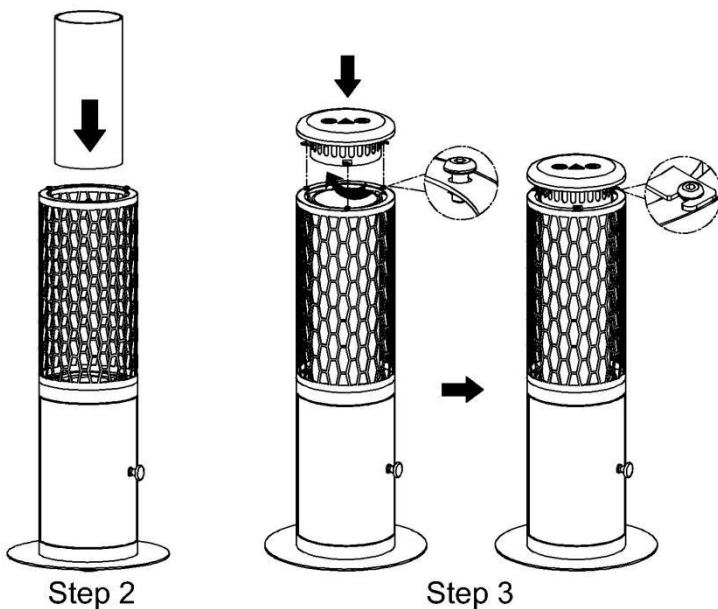
Step 1 : Place the fuse flat inside the hole in the bottom of the grille.



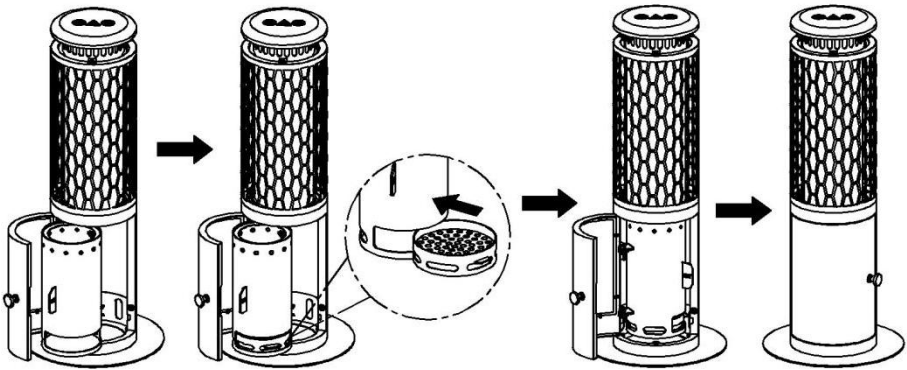
Step 2 : Carefully place the glass on the main body.

Step 3 : The heads of the 3 screws leave approximately 3 mm of height untightened to the end, then snap the top cover into it, rotate clockwise to the end, and finally tighten the screws.

(Pay attention to the anti-scald label on this directly ahead.)



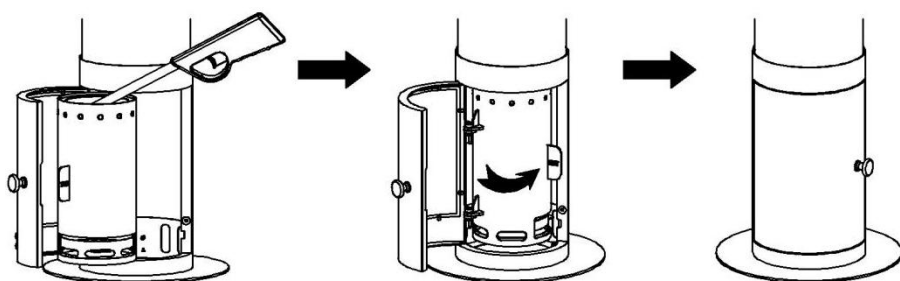
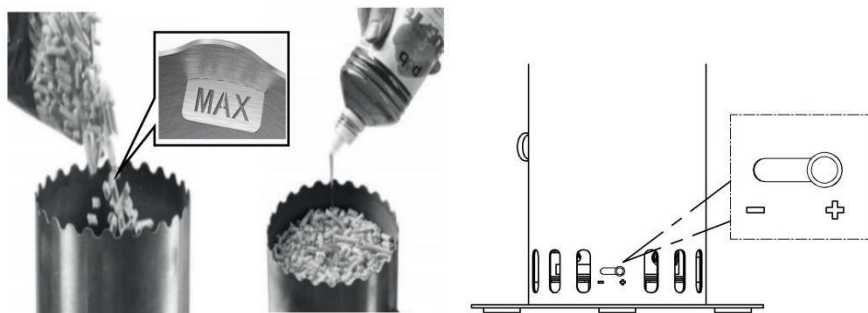
Step 4 :After opening the door, rotate the combustion barrel clockwise, lay the ash tray flat into the bottom slot of the combustion barrel, then turn the combustion barrel back to the center of the furnace body, and finally close the furnace door.



7.4 - PELLET CHARGE

Ignition operations:

- After opening the door, turn the burning bucket in a clockwise direction, and then place the ash collection tray flat into the bottom card slot of the combustion bucket.
- The pellets are introduced into the combustion barrel, and the highest position of the pellets reaches the maximum mark.
- Sprinkle the upper layer of pellets with the vegetable fuel in a spiral direction.
- Light the flame with a long-necked lighter larger than 200 mm, then follow step 4 to rotate the burning barrel as the inner center of the main body and finally close the door.
- Special circumstances.If the particles are not enough or you don't want to add less than enough, then at least half of the maximum amount of particles in the combustion barrel should be added.
- Close the door.
- Note that at this time, the air control valve at the bottom of the main body is adjusted to the "+" state



After starting the operation. Remember not to touch the combustion drum or the surrounding metal shell with your hands, as these areas have high temperatures to avoid burns.

For the entire operating period, which will last approximately 1.0 hours, no user operations are necessary. The entire load of pellets will be burned first through the pyrolysis process and then, in the last phase, by means of the gasification process (marked with a blue flame).

At the end of the operating cycle, the flame will self-extinguish without external intervention and the unit will enter a cooling phase that lasts for 30 to 60 minutes. At the end of the cooling phase, the combustion barrel is cleared of ash and can be filled with pellets again and burned again. Once the device is ignited, let it burn automatically without interrupting the process.

NOTE

During the first ignition, the appliance will exhale, for a few hours, the smell of paint. Recall that these odors are annoying but are not harmful.

After each operating cycle, it is normal for a minimum residual amount of ash to remain in the tank, which must be removed before starting the next.

8 – CLEANING AND MAINTENANCE

8.1 – INTRO

Since your appliance is pellet-powered, it requires regular general checking and cleaning. Regular maintenance ensures smooth operation and optimal performance. The user must periodically take care of cleaning the appliance as indicated in this manual.



Since your appliance is pellet-powered, it requires regular general checking and cleaning. Regular maintenance ensures smooth operation and optimal performance.



The user must periodically take care of cleaning the appliance as indicated in this manual.



For external cleaning do not use aggressive or abrasive products. Do not wash the appliance with water or other liquids, as these could cause damage to the internal electrical wirings and therefore endanger the user.



WARNING: do not wet the appliance and do not approach the electrical parts with wet hands. Never suck up hot ash: the extractor fan used could be damaged.



All cleaning and maintenance operations must be carried out with the appliance completely cold.

8.2 - CLEANING AND MAINTENANCE



Unless otherwise specified, the operations listed below are mandatory and cannot be postponed beyond the time indicated.

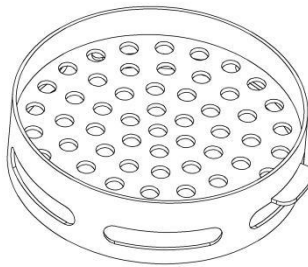
ATTENTION: if an ash vacuum cleaner is used, make sure that there are no embers still lit and that the ash is cold.

Clean the glass when twice a week or deemed appropriate, using dedicated long-handled brush or a cotton cloth or kitchen paper with a specific glass cleaner for stoves and fireplaces that you will find from your dealer. Be careful not to spray the cleaner onto the painted walls.

Glass cleaning: Remove the glass according to 7.2 assembly step 2 and 3, clean it with a professional brush and detergent and put it back on, pay attention to the glass tube is easy to break, and be careful throughout the process.



Clean the ashtray: Take out the ashtray according to 7.2 installation step 4 to clean it, and clean the inside of the furnace body, and then install it according to the original steps.



BEFORE EACH REFILL:

- Remove the brazier/pellet jar and clean it with a professional brush, freeing.
- the holes on the bottom from any obstructions caused by combustion residues. If necessary, remove the brazier tube and clean it with a wire brush and if possible with a vacuum cleaner.
- Clean the ashtray as well as the area where it is installed.



The use of certified and therefore quality pellets allows the appliance to function correctly and with the declared performance, and cleaning and maintenance operations will be less onerous. The presence of silica agglomerates on the bottom indicate a poor fuel quality. See paragraph

WEEKLY:

- Vacuum the compartments inside the appliance and on the bottom of the main metal body.
- Check the flue gas discharge terminals and make sure they are clean and free of obstructions.



ATTENTION: where it is necessary to replace parts because they are damaged or deteriorated, it is mandatory to use only original spare parts indicated by the manufacturer



ATTENTION: the generator must be cleaned according to the above specifications and absolutely no flammable products must be used: the use of flammable products can create dangerous situations. The lack of unsuitable maintenance does not allow the appliance to function properly. Any problems due to poor cleaning or maintenance, cause the immediate expiry of the warranty.

8.3 – END SEASON MAINTENANC

When the appliance is turned off for a long period, We recommend performing a deep cleaning of the appliance in order to remove all combustion residues.



Once a year, clean the ventilation unit with a brush and vacuum cleaner.

9 - DISPOSAL OF THE PRODUCTS



At the end of its use life, the product cannot obviously be disposed together with standard waste but must be scrapped in compliance with the environment and applicable regulations. The product must be sent to suitable separate collection waste receiving centers. These centers are normally set up by the

Municipal Administrations Proper disposal, in addition to not polluting the environment, promotes the recovery and recycling of materials.