

RUBY



**Ruby bioethanol stoves
are designed in Italy**

Dear customer, thank you for the trust you have placed in us by choosing our product. Our products are designed and manufactured in compliance with safety standards with quality materials and a deep experience in production processes. For best performance, we recommend that you read the instructions carefully. It is very important that this instruction booklet, which is an integral part of the appliance, is kept safely for future reference. If the equipment is to be sold or transferred to another person, make sure that the manual is given to the user, in order to be informed about the operation of the machine and the warnings.

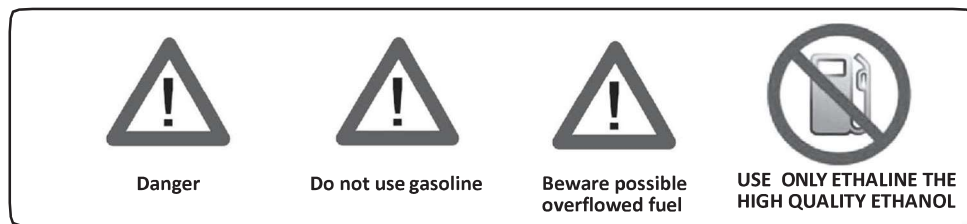
INDICE

1. Safety instructions.
2. Some hints for environmental protection.
3. Technical specifications.
4. Installation.
5. Working.
6. Turning off the stove.
7. Stove cleaning and storage.
8. Guide to solve small problems.
9. Guarantee.

1. SAFETY INSTRUCTIONS

The use of this stove is very simple, however, it is important to read this booklet entirely before you install and use for the first time the stove.

In this way, you get the best performance, avoid wrong behavior, use your stove safely and respect the environment.



DURING USE

- This stove must be used only by adults. People with disabilities can use the stove only if they have benefited, through the intermediary of a person responsible for their safety, supervision or instruction concerning the use of the equipment.
- Before any ignition check the stove, the customer is responsible for accidents people or for any damage due to do not observance these instructions.
- Make sure that children do not play with the appliance.
- Modifying or merely trying to modify the characteristics of this product it is forbidden.
- Always keep this appliance clean.
- Avoid its placing close to curtains and other flammable objects.
- Do not insert objects inside or on the stove during or after use.
- Do not extinguish the flame with water or blowing on the flame.
- During filling, take care not to overfill bioethanol and in case any overspill shall be removed before lighting the appliance.
- Do not cover the stove during or just after use.
- Do not leave the stove unattended during use.
- Do not add wheels on the stove and do not put the stove in / on a cart or trolley.
- Do not use the stove as a cooking appliance
- The external parts of this stove become hot while it is operating and remain hot for a while even after it is switched off. Keep children and pets out of reach until the equipment cools down.
- Always use liquid fuel pure bioethanol liquid fuel, do not use other fuels such as gasoline.
- Do not use in a basement levels.
- Use of an improper fuel may cause of fire. It must to be used Ethaline the high quality Ethanol.
- Do not mix fragrant aromas into the fuel.
- Turn off the stove and wait until it is thoroughly cooled before refilling the tank at least 60 minutes.
- Ventilate the room for few minutes every hour when the stove is in use. Never use the stove without having correctly ventilated the room.
- Use the stove in a places where there is a natural exchange of air guaranteed by free openings that make an air exchange of 0,50 v/h. Minimum Volume of the room place is 45 m³.
- Turn off the stove and make sure that the flame is extinguished before falling asleep or go out.
- Use the stove on a plane surface. Avoid locations subject to vibrations. Do not carry the stove if fuel is contained in the tank, first provide to empty it.
- Keep sprays and volatile flammable liquids such as gasoline, diesel fuel, solvents, etc., away from the stove.
- The stove can release combustion residues in the room. Use the stove only in well-ventilated rooms.
- The flame may be weak at the beginning. Wait 15 minutes to leave time for the burner to reach the optimum operating temperature and the flame will stabilize at its normal height.
- Before acting on the adjustment you should wait for the stove becomes hot.

INSTALLATION AND MAINTENANCE

- This appliance is intended for a domestic or similar use.
- Place the stove in a plane and stable position.
- Make sure that the floor can support the weight of the stove.
- Keep a minimum distance on each side, in front of and above of 1meter and 10 cm at the rear and do not place it close to flammable materials.
- Use in properly ventilated areas.
- Do not use in places hermetically closed.
- Do not use in dusty places or where the temperature tends to increase rapidly.
- Whatever type of technical action or repairs should be performed by qualified personnel.
- After unpacking the appliance make sure that the product is not damaged. In case of damage, contact your dealer before starting up the appliance.
- Take care to avoid bioethanol spillage outside the tank, always dry the wet parts before turning on the stove.
- The Manufacturer declines all responsibility if the safety rules are not respected.
- It is a product of Tecno Air System, via Piovega 10, 31017, Pieve del Grappa (TV) Italy

2. SOME HINTS OF ENVIRONMENTAL PROTECTION

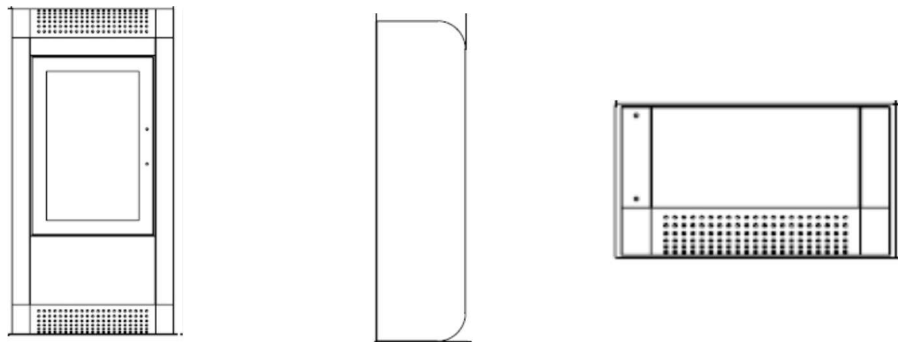
PACKAGE

- All packaging materials are environmentally friendly and can be recycled. Help us to preserve the environment by using the appropriate separate waste collection channels

PRODUCTS DISUSED

- Products dismissed or no longer usable are not worthless wastes. Through the environmentally safe disposal, different materials used in the production of your appliance can be recovered.
- Keep informed about current disposal options from your dealer or from your Local Council.

3. TECHNICAL SPECIFICATION



WIDTH	mm	450
DEPTH	mm	251
HEIGHT	mm	903
BIOETHANOLTANK CAPACITY	liter	1.2
NET WEIGHT	kg	25.9
GROSS WEIGHT	kg	28
FUEL	BIOETHANOL ECOFIRE	
NOMINAL OUTPUT	KW	3
AUTONOMY RANGE	HOURS	+/-5

TecnoAirSystem	
MAXIMUM CONSUMPTION	0,30 l/h
REMOVABLE TANK	YES
WARRANTY	2 YEARS

4. INSTALLATION

UNPACKING

- Open the carton, making sure do not damage the appliance with sharp tools,
- Gently pull up the stove out from the packing beware to the glass,
- remove all protections and packing materials before using the stove and make sure that you have removed all the accessories inside: feet, instruction manual and remove all the adhesives tapes and packaging components that are inside the stove.

INSTALLATION

- After unpacking the appliance, place it in a secure and stable position that has been awarded , making sure that there is enough space for the preliminaries.
- Make sure to place the stove in a right position to avoid possible impacts.

The stove do not requires chimney, anyway the room must be ventilated for a few minutes each hour of use. The stove must be installed in compliance with the following safety conditions:

- keep a minimum distance on the sides, in front of and above of 1m and 10 cm on the back by an average of flammable materials;
- if the stove is installed on a floor that can be damaged, place in between a layer as protection of heat insulating material;

Where it is not possible to comply with distances given above, it is necessary put in place technical and buildings measures to avoid any risk of fire.

This stove cannot be used in place tightly closed, or too small as campers, trailers, passenger cars, boats...



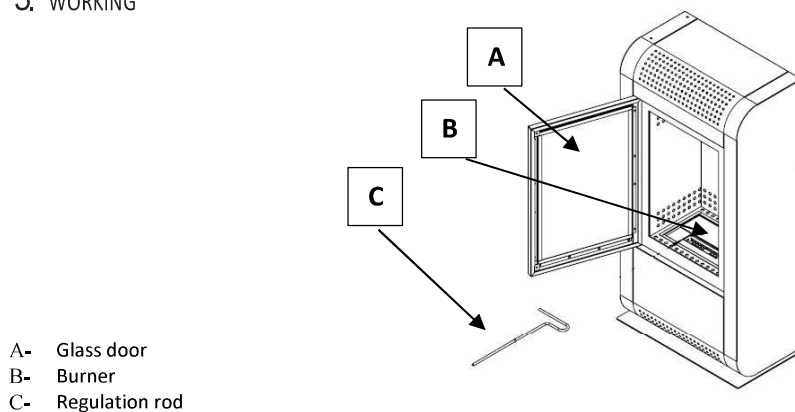
FUEL USED

DO NOT USE GASOLINE!

Do not use gasoline, diesel fuel, solvents or other fuels.
Use of an improper fuel may cause explosion and fire.

Use bioethanol only
Ethaline the high quality bio-ethanol

5. WORKING

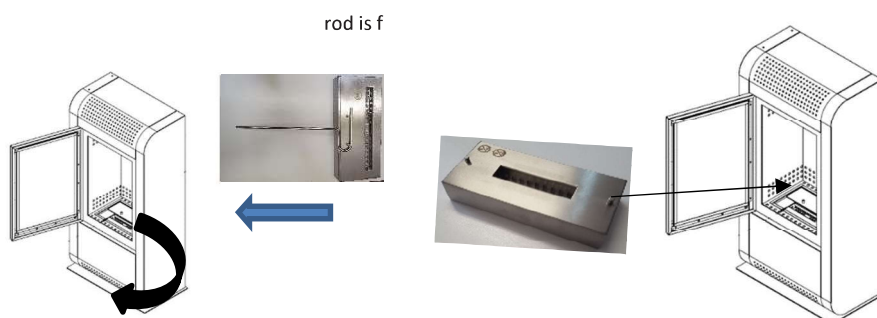


The heater exclusively works with bioethanol. The burning is regulated by the rod (C).
The bioethanol feeding take place as follows:

WARNING: FILL ONLY WHEN THE STOVE IS OFF AND COLD.

IF THE HEATER IS TURNED OFF BY ITSELF BECAUSE THE BIOETHANOL IS FINISHED, ALWAYS CLOSE THE TANK WITH THE REGULATION ROD (C) AND MAKE SURE THE FLAME IS COMPLETELY OFF BEFORE TO REFILL THE STOVE.

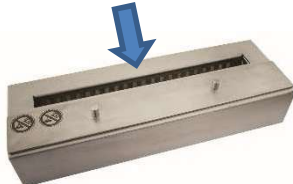
WARNING: THE FIBER PLACED INSIDE THE BURNER WILL ABSORB THE BIOETHANOL ARMED, TO GUARANTEE MORE SAFETY FOR THE STOVE. PROCEED TO FILL THE BIOETHANOL IN A GRADUAL WAY TO ENSURE WITHOUT OVERFLOOD THE REGULAR ABSORBING, AND IN CASE REMOVE THE OVERFLOWING IMMEDIATELY.



Ensure that the regulation rod (c) is fully inside to close the burner before to open the glass door.
Pull the regulation rod (c) to open the fuel tank.

Pour the bioethanol into the tank without making it overflow (the maximum is 1.2 liters).
In the tank there are triangles indicating the maximum fill line. Always fill up the stove with the burner correctly inside the appliance.

Ensure that the regulation rod (c) is fully inside and open the glass



In the tank there is a sign indicating the maximum fill line.

Pull the regulation rod (c) to open the fuel tank

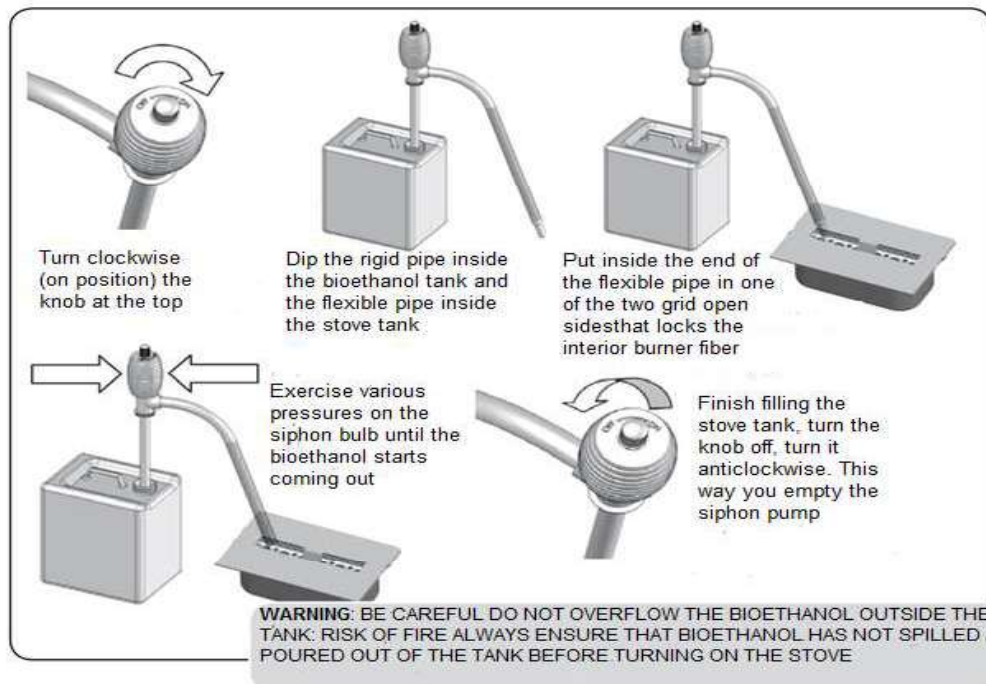
pour the bioethanol into the tank without making it overflow (the maximum is 1.5 liters)



ATTENTION:
NOT TO EXCEED THE LEVEL MAX

Be careful with an insufficient quantity of bioethanol, the stove may not burn or be light

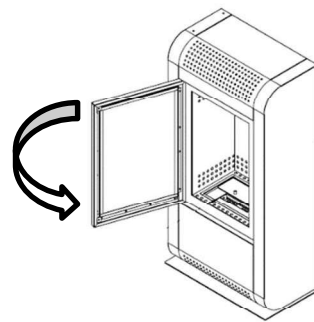
USE OF THE SIPHON PUMP





Close the glass door (A)

With the tip of the lighter (Type WP18, not included) approach the bioethanol contained in the burner without touching the liquid, light and remove the lighter immediately afterwards.



Before acting on the adjustment you should wait for the stove becomes hot.



CAUTION:

DO NOT move the stove when the fuel tank is full to prevent it from over- flowing.

The fire must be lit with inserted drawer and closed the glass door.

DO NOT insert any object inside the stove.

DO NOT open the glass door until the fire is burning or with still hot/warm stove.

DO NOT recharge the bioethanol until fire is burning or with still hot/warm stove.

DO NOT move absolutely the stove with fire burning.

DO NOT use the stoves in the basements.

Light the fire with lighters only with long-barreled type WP18 (not included) avoiding to place your hands directly above the fuel to ignite it.

If we use the stove with a not suitable fuel, the fiber inside the burner may be damaged. Do not use the heater and contact the service center or your shop.

Before using the stove carefully observe / read all instructions / cautions in this manual and on the stove.

Store the bioethanol inside his own bin, keep closed, away from heat sources, sparks, free flames and hot surfaces.

DO NOT insert decorative elements directly on the flame, or on the burner by deflecting the flame, or in contact with the glass. Use only specific decorative elements suitable for this function.

Do not smoke during the refilling up or next to the combustible.

Carefully when you use the bioethanol to follow the right instructions on the label bin and on the data sheet.

Fire extinguish tools: Extinguisher CO₂, extinguishing powder, water jet.

6. TURNING OFF THE STOVE

To turn off the stove it is sufficiently slide inward the regulation rod (c) until the flame is extinguished. Do not light again the stove right after turning it off. Wait until it cools down.

Always ensure that the flame is turned off/extinguished before leaving or staying asleep.

Warning: do not extinguish the flame with water or blowing up!

When the stove is off or when it is not in use, keep always closed the fuel tank through the suitable regulator.

If the stove turn off automatically you must close the tank with the regulation rod (c).

7. STOVE CLEANING AND STORAGE

Keep all surfaces of the stove free of dust using a damp cloth. To clean the glass, use a damp cloth or a specific product for glass.

Keep clean all the internal parts of the stove . And it is advisable to periodically clean the tank during the season of use the stove (if you do not use the stove for a long time or during the summer keep empty the tank) leaving completely burn the fuel, wait for the stove become cool and remove the tank. Clean off any combustion residues with a damp cloth (use of a hand protection gloves for maintenance work), put it back into the place .All maintenance operations must be performed with the stove off and well cooled. keep the stove clean and dry.

8. GUIDE TO SOLVE SMALL PROBLEMS

The stove will not start:

- verify that the lighter work properly, the bioethanol level is too low and lighter not get to fire;
- check the fuel level;
- fuel is not suitable.

Smoke comes out:

- fuel is not suitable, or extraneous flammable material presence inside the tank or in the stove.

Flame extinguishes:

- fuel not sufficient; fulfill the tank up to indicated level
- regulation flame door too close.

Flame spreads outside the tank:

- overfilling of the tank, the liquid is leaking, turn off the stove with regulator slider and allow remaining flames to exhaust. Wait for the stove to cool and then turn on.

The tank become black:

- It is normal, could happen because the heat and the flame touch the metal. Wait until the fireplace become cool and clean the soot with a soft dampened cloth.

In case of damage and/or malfunction of the appliance, please refer to qualified service center only.

9. GUARANTEE

The warranty period is 24 months from the date of purchase and it extended to all parts, with the possibility of extending it to a further 12 months by purchasing together with the product 5 tanks of Ethaline the quality bioethanol. (tanks capacity 10lt, 2lt, 1lt).

It expires if the fireplace is improperly used or tampered by unauthorized personnel.

All defects in materials and workmanship are repaired free of charge (parts and labor) with the only charge of the exit fee.

Expressly reject any claim or demand compensation.

This warranty is not valid if repairs or replacements are not performed by authorized personnel or if not-original parts are fitted on.

Components in the opinion of the service center are considered to be defective will be replaced under warranty. Warranty is not applied to parts damaged during delivery. 24 months warranty applies only for domestic use, commercial use is only valid for 12 months. Fireplace or spare parts delivery costs are always charged to the buyer.

IN CASE OF DAMAGE AND/OR MALFUNCTION OF THE APPLIANCE, PLEASE REFER TO QUALIFIED SERVICE STAFF ONLY.

Date and characteristics indicated herein do not bind the manufacturer, who reserves the right to make changes to its products at any time. The manufacturer does not assume any responsibility for damage to persons or property resulting from failure to comply with the rules provided in this manual.

The warranty right is valid upon registration on the web site www.tecnoairsystem.it/garanzie.html by downloading the receipt, or alternatively complete the form and send it to :

TECNO AIR SYSTEM SRL via Piovega 10 – 31017 Pieve del Grappa (TV) Italy

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