Listed by
OMNI -Test Laboratories, Inc.
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SMART BIO-ETHANOL ELECTRONIC BURNER



Edition Date: 2026
ANSI/CAN/UL/ULC 1370:2024 "Unvented Alcohol Fuel Burning Decorative Appliances

User's Manual

What's in the box:

Oxygen Depletion Sensor---------- 1pc

Smart Burner---------- 1pc

Remote Control ---------- 1pc

AC Adapter ----------1pc

Filling Hose ---------- 1pc

Siphon Hose---------- 1pc

Lift Up Handle---------- 1pair

User's Manual ---------- 1pc





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This intelligent ethanol fireplace is designed for indoor use and is intended for decorative purposes only

— This manual is part of the appliance, please keep for future reference.

— Keep away from children;

— Smart ethanol fireplace burner insert

— Distances to combustible materials and items: 2 m

— Please be sure the wall/table/floor you are placing this appliance can bear its weight;

— Installation only in a location which is protected against cross-aeration/air draft; when operate the appliance in draughty environment, take precautions against wind or stop using it, and people should be nearby when light on.

— Convection air slots and rear ventilation shall not be covered/obstructed;

— Do not put any flammable items on top of the appliance;

— Only install this item to the cement/brick/marble incombustible type wall/roof; It is dangerous of ignition of combustible components where too close.

— Please observe the local legislation when install this device.

Installation Instructions

POSITIONING AND SAFETY

Make sure that your fireplace is installed in a safe place indoors, which means in a wall made of non-flammable material with a distance of at least 2 meters to e.g. curtains - or furniture as shown below. (Figure 3.1)

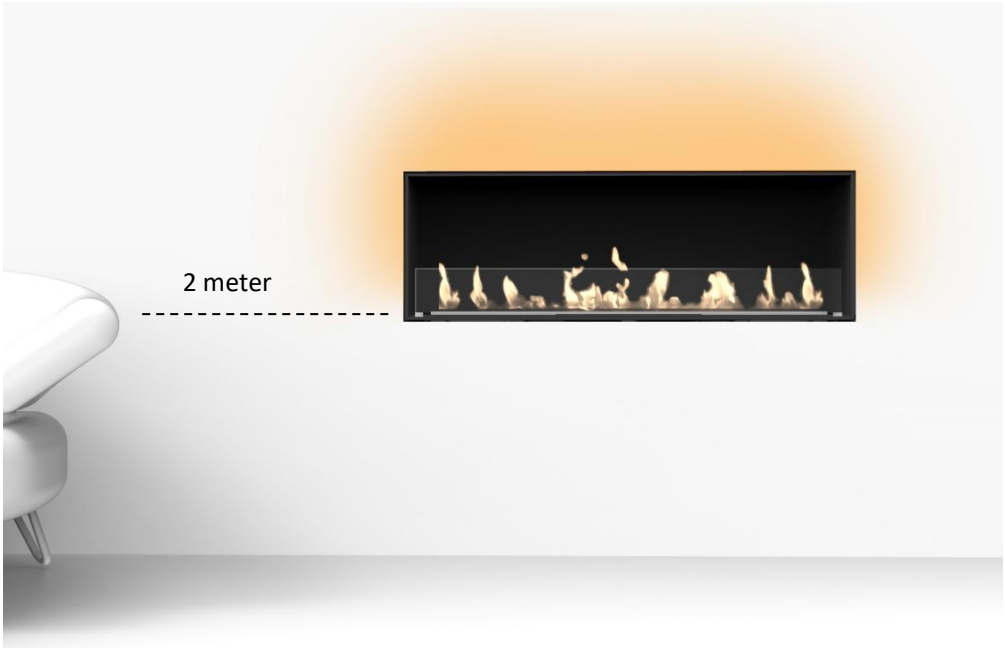
Choose a position for your fireplace which is not exposed to any draught, as bioethanol is a volatile fluid.

In fact, only the vapour of the bioethanol is burning when lit.

You should NOT touch the flames of the lit fireplace or blow into the flames.

Keep a distance of at least 300mm moving past the fireplace, as your movement may have an impact on the flames.

The electronics of your Thebioflame fireplace require a connection to a power socket (110-240V earth – 50Hz), which ideally should be placed inside the wall cut-out.



(Figure 3.1)

INSTALLATION

Please read and follow the detailed installation instructions on your technical drawing, which have been compiled for your Thebioflame bio fireplace. In here you will find all dimensions and a step-by-step installation guide. It is only advisable to install your Thebioflame bio fireplace, after all craft work in the room has been completed, to avoid damages to the bio fireplace, casing or glass.

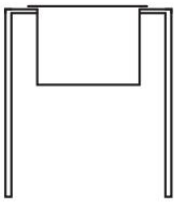
Walls surrounding the built-in bioethanol burner must be constructed of or at least covered with non-flammable material such as plasterboard, Fermacell, GypRock FireLine or brick.

The supports on the left and right sides inside the cut-out (on which the fireplace are placed) must be made of robust, NON-flammable material such as metal, concrete or brick. The supports must be in level.

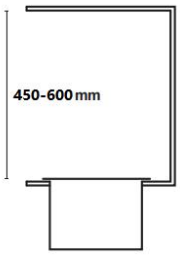
If you are in the slightest doubt about how to install the fireplace, as well as what screws to use for your wall type, consult a professional and authorized craftsman, who is able to perform the installation correctly.

Note that the electronically controlled Thebioflame needs one ground connection to operate.

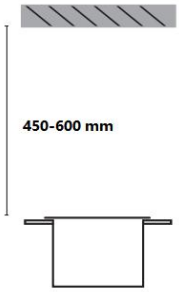
INSTALLATION OPTIONS CONTINUED



Thebioflame fireplace can be immersed in a hole in a half wall or similar. It is important that the hole is a minimum of 183mm in width and a maximum of 250mm depth.



If the fireplace is built into the wall, there must be mounted a steel plate in the top or a casing in the hole – only if the height of the wall hole is 450-600mm. Between the steel plate and the wall, there must always be 5mm gab in order both to ventilate, to insulate and minimize heat migration in the wall.



If you prefer having a brick wall and not a steel plate at the top of the wall hole, the height of the hole must be at least 450-600mm. Failure to comply with this can, e.g. damage the joints between the bricks, as the heat migration becomes too high.

1, Connect & Install

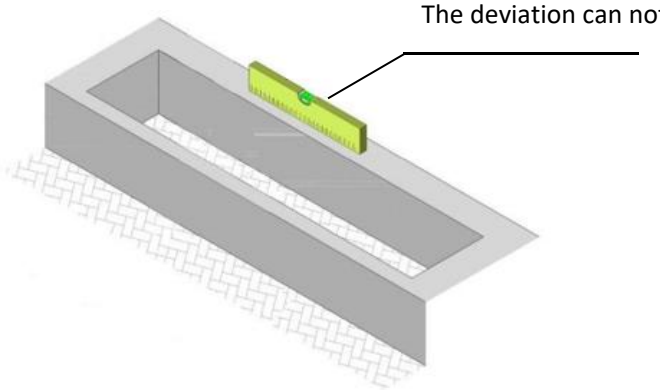
•Remove all packaging materials prior to installing the burner.

• Choose a location 2M away from flammable objects or materials (drapes, fabrics, furniture, etc.).

•Power adapter connects from the right side of the burner. Please make all preparations for electrical wiring prior to installation.

• The fireplace is intended to be placed on a floor or sturdy surface. Use a spirit level to ensure that the place is perfect leveled

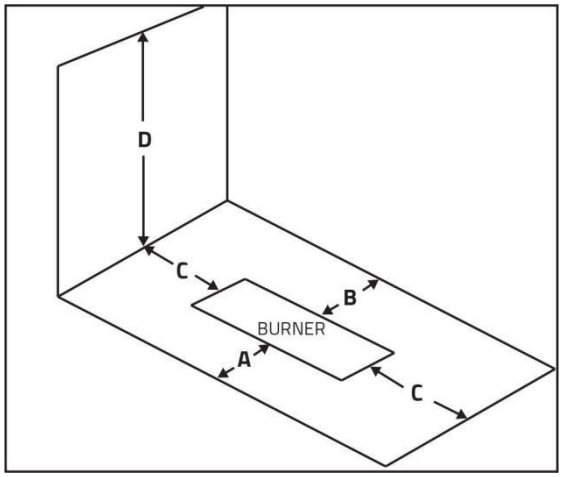
Level the surface of cavity with tool
The deviation can not exceed 2mm (1/16'')



•The Smart Ethanol Burner can be installed in a firebox that meets the minimum clearance requirements specified below.

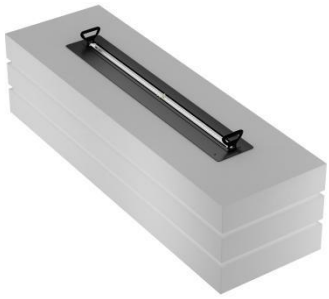
•Custom-made fireboxes must be constructed from non-combustible materials such as stainless steel, stone, or cement board. Additionally, a minimum thickness of 2 cm heat insulation wool board should be installed around the fireboxes to prevent thermal transmission. An electrical power connection socket should be positioned on the right side, near the burner installation hole, with the ability to control the power supply from an external wall.

Front Clearance (A)	Rear Clearance (B)	Side Clearance (C)	Overhead Clearance(D)	Nearest combustible Radius
4 inch 10cm	4 inch 10cm	4 inch 10cm	24 inch 60cm	80 inch 200 cm



BURNER INSTALLATION PROCESS





> STEP 1:

Check that the dimensions of the cutout are as shown on the accompanying technical drawing.
All corners of the cutout must be at a 90° angle and all surfaces must be level.
Ensure that there is an active earth socket inside the wall, placed at the bottom right - ideally below the level of the tank (lower than 82mm).

> STEP 2:

Carefully lift burner with handle out of the packaging and place it on a flat surface.
The fireplace must not be tilted.
Move the burner closer to the immersion hole .Plug in adapter properly (And smart home wire if the unit is upgraded with smart home system)



> STEP 3:

Carefully lower the biofireplace into the immersion hole.

2, Required Reading Before Use

IMPORTANT!!!

• *Before filling your burner, it is important that you follow the step-by-step instructions that follow on the next two pages.*

DO NOT PRESS THE POWER BUTTON MORE THAN INSTRUCTED.

• *When you press the power button once, it only initiates the burner itself - not the flames.*

• *When you press the power button a second time (when instructed), it initiates the pilot and fuel flow.*

NEVER PRESS THE POWER BUTTON A THIRD TIME.

• *During the initial use, you will notice the pilot become red and fuel begin to drip into the combustion tray. Fuel will continue to flow for approximately two (2) minutes, as the pumps are being primed. During this time, DO NOT PRESS THE POWER BUTTON.*

• *Please Note: This burner is equipped with a ten (10) minute safety feature, indicated by the power & both arrow buttons flashing for 1 minute and non-response until temperature reach safe data. Once the burner is powered off, you must wait ten (10) minutes prior to using again.*

Warning: Never refill the burner when the fireplace is operating or still hot.
Never pour fuel into a burning flame.
Allow the burner to cool down for at least 30 minutes before refilling.

For refill , operate according to process and device on 4 . auto Fill of page 6

3, Fuel Information

• USE ONLY APPROVED BIO-ETHANOL LIQUID FUEL (≥96% purity) FOR INDOOR FIREPLACES. Only use the type of fuel as specified by the manufacturer

Bio-Ethanol Liquid Fuel for fireplaces burns clean without emitting any toxins into the air.

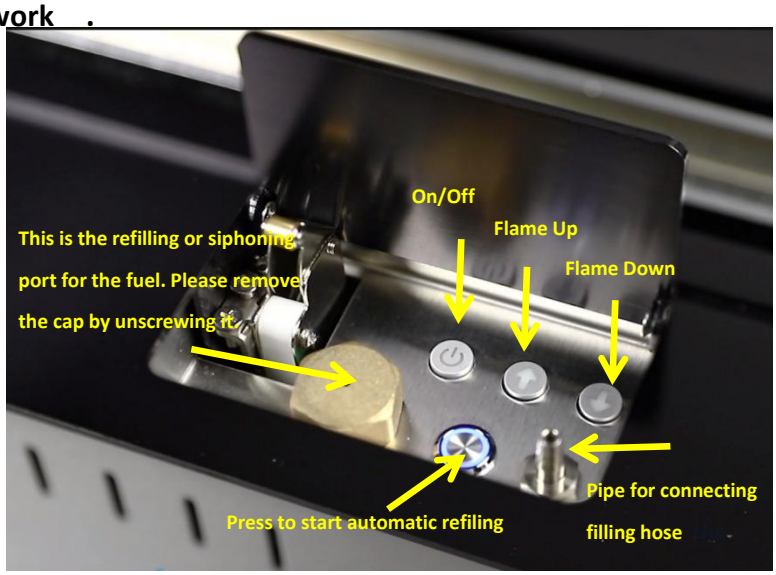
Only harmless water vapor and CO2 are produced as byproducts.

•Fuel shall be stored in a fire-safe area;

4, Automatic Fill

The fireplace needs a minimum fuel level to get work .

Fireplace Model Size	Minimum fuel level
36 INCH	**1L**



•Confirm that the burner is properly connected to a power supply.

• Locate and press the fuel door situated on the front right-hand side of the burner.

• Insert one end of the fuel hose into the fuel tank nipple.

• Insert the opposite end of the hose into the container of liquid ethanol fireplace fuel.

• Activate the blue-illuminated button located to the right of the nipple.

• Continue the filling process until it automatically halts.

• If you intend to fill only a small amount of fuel for testing purposes, please ensure compliance with the burner's minimum trigger level (refer to section 6: Minimum Fuel Capacity).

•Carefully unplug the hose from both the nipple and the bottle, and promptly clean up any spilled fuel.

• Securely close the fuel door.

•Make certain that any over spills are cleaned before igniting the appliance.

• To ignite the burner, press the power button **twice** within a 10-second interval.

5, Manual Fill

• Open the fuel door located on the right-hand side as you face the burner.
• Remove the gold-colored cap that is located on the far left.
• Insert a funnel in order to safely pour the liquid fuel into the fuel tank.
• Pour the fuel from the bottle into the funnel, please stop filling once the light of button which next to the filling hole is off. The blue lighting off indicates it reach the max fuel level. But please in accordance to the burner's minimum trigger level(Refer to 6 Minimum fuel capacity).
• Once you've filled the fuel tank to the desired level, shake the funnel before removing to ensure that excess fuel isn't spilled.
•Any overspill shall be removed before lighting the appliance.
• Replace the gold cap on the fuel tank.
• Close the fuel door.
• Press power button TWICE within 10 seconds to ignite burner.

Note: If both green arrows is flashing along with 1 long and 1 short beep, this indicates that the fuel is not reach minimum trigger fuel level.

6, Remote Control Battery

• Open the removable panel on the back of the remote control.
• Place Lithium Cell CR2032 3V battery inside ensuring that the positive (+) is facing you.
• Ensure that the stainless steel ground is ON TOP of the battery.
• Close removable panel.

See illustration.



7, Flame Size Adjustment

Once the flame covers the entire combustion tray, you may adjust its intensity as desired. Use the "UP" arrow on the burner casing or remote control for a more intense flame, and the "DOWN" arrow for a less intense flame. The Smart Burner Series features six adjustable heat settings: On, Flame Size 1, Flame Size 2, Flame Size 3, Flame Size 4, and Off.

8, Extinguishing Flame

To extinguish the flame, press the power button on the burner casing or remote control once. This will stop the fuel pump from feeding the combustion tray. The green power button and arrows will illuminate to confirm that the burner is off. Please allow a few minutes for any remaining fuel in the combustion tray to burn off completely.

• This burner includes a ten (10) minute safety feature, indicated by the power and both arrow buttons flashing for one minute and becoming unresponsive until the temperature reaches a safe level. After the burner is turned off, please wait ten (10) minutes before attempting to reignite.

• *DO NOT ignite the appliance if it is in a hot state*

9, Linked Group Connection (Optional)

Step 1: Please connect both burners with power supply.

Step 2: Link burners with cord between hose with sub-burner.

Every operation on host burner will be conducted to the sub-burner as well except fuel filling. The button on to panel of sub-burner is also valid.



10, Unlock Child Lock (Optional)

Child lock will be activated when the fireplace is powered on.

To Unlock

Option 1: Press and hold the power button for 3-5 seconds Until hearing a beep sound .



Option 2: Press and hold the home button on remote for 3-5 seconds Until hearing a beep sound



11, Fine Adjustment on Fuel Consumption Setting

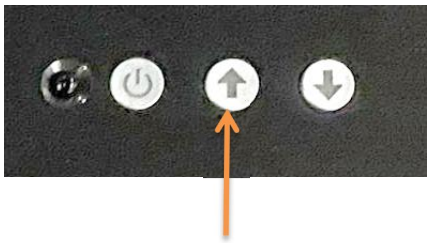
In case the flame size doesn't reach satisfied level, please try find adjustment as follow guide:

Fine adjusting :

A : Decrease flame size

A1 :Make sure the flame in largest setting

A2:Keep pressing on up arrow button "↑" on fireplace , in the mean time, press manual button on remote twice and press decrease button once

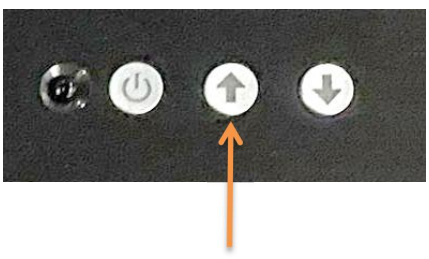




B : Inecrease flame size

B1 :Make sure the flame in largest setting

B2:Keep pressing on up arrow button "↑" on fireplace , in the mean time, press manual button on remote twice and press increase button once

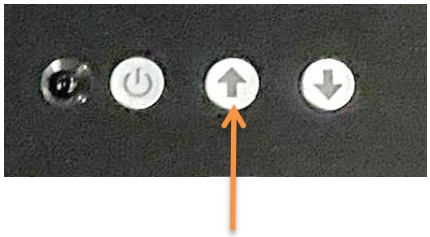




Resume to default setting:

Make sure the flame in largest setting

Keep pressing on up arrow button "↑" on fireplace , in the mean time, press return button on remote three times.





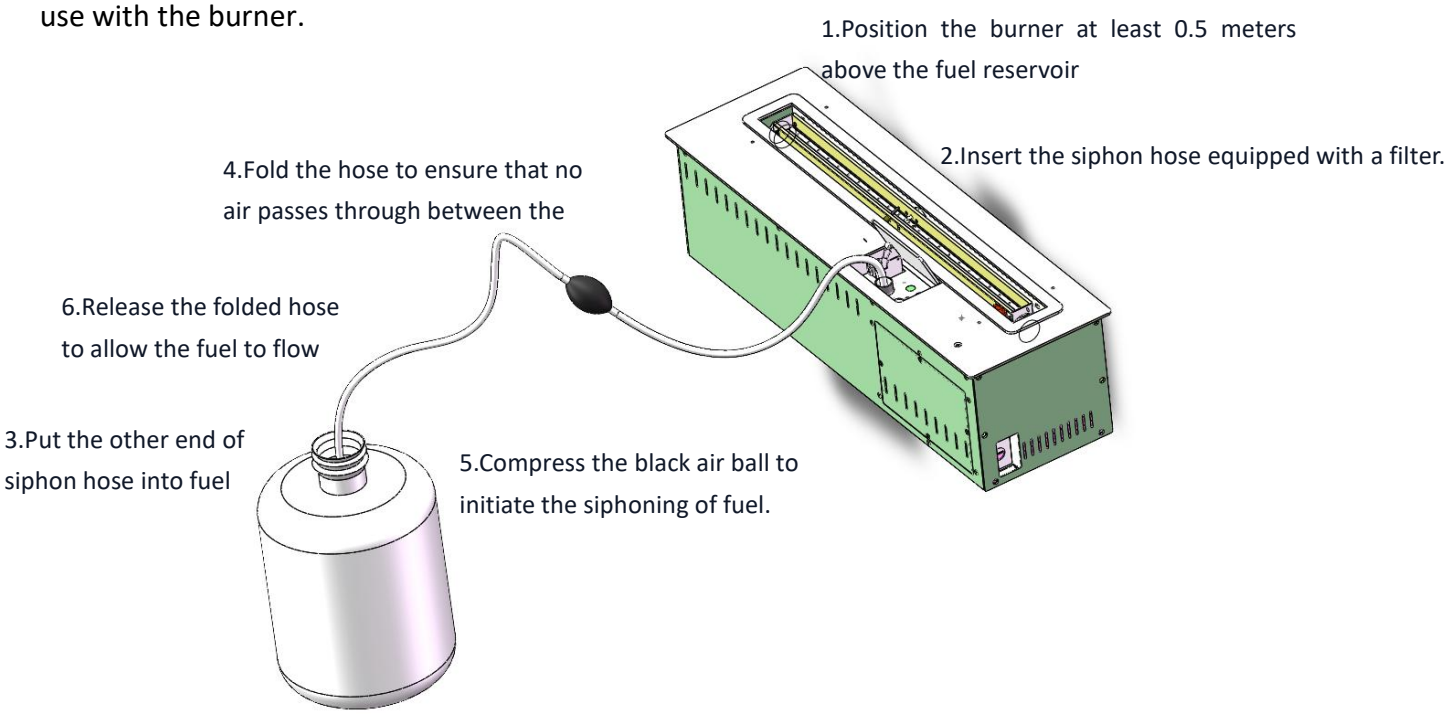
12, Cleaning

1. Using a soft cloth, gently apply a small amount of liquid ethanol fuel and carefully wipe the burning chamber. Ensure the black ignitor is not damaged during the process.

CAUTION: Never use chemical, steel-wool or scrubbing sponges to clean the fireplace. It can damage the surface. The manufacturer cannot be held responsible for any damages resulting out of improper use and/or cleaning of the products.

13, Siphon Fuel Out of Burner

Please empty the fuel from the burner before storing or transporting it. Use the siphon hose with the black air ball to remove the fuel, following the instructions provided below. Retain the siphon hose for future use with the burner.



14, Warnings



1. Fireplace and burner get hot while in operation. Do not touch the fireplace while burning. Please allow at least 30 minutes to cool down before touching the product after flame is extinguished. Parts of the fireplace - especially the outer surfaces – are getting hot during operation and that adequate attention is necessary

2. Risk of burns. Do not operate the ethanol fireplace without completed assembly.

3. Do not fill fuel into an open flame or into the burner reservoir unless it has cooled down for at least 30 minutes after use.

4. Do not place any flammable material within 2 meter/ 80 inches around the fireplace. A safety distance of at least 2 meters/80 inches should be kept from any window or curtain.

5. Do not burn under over hanging items.

6. Do not smoke while handling the fuel.

7. Protect fireplace against draft (fans high breeze). Never fan the burner. Do not position the fireplace near combustible items.keep the quality of your room air at an adequate level by opening a window for around 5 - 10 minutes or by leaving the doors to adjacent rooms open. Should the premises in which the fire is situated be equipped with an MVHR System (Mechanical Ventilation with Heat Recovery), the room air quality will automatically be kept at a high level and no further action should be necessary.

"DO NOT PACK REQUIRED AIR SPACES WITH INSULATION OR OTHER MATERIALS";

8. Risk of Explosion

i. Never use any fuel other than Bio Ethanol that is specifically intended for use with indoor vent less ethanol fireplaces. Never use gasoline.

DO NOT use any other fuel than bio ethanol of 96% but max. 97.5% alcohol purity.

DO NOT mix bio ethanol with other fuels.

ii. Never use the appliance in areas where flammable vapors or gas may be present.

iii. Never store or transport the fuel in other than a metal or plastic container that is acceptable for use with the specified fuel in accordance with the Consumer Chemicals and Containers Regulations 2001 and is the original container for the specified fuel.

iv. Never store fuel in the living space or in the same location as the appliance.

9. Do not use the appliance to heat or boil water or use as a cooking appliance.

10. Due to high surface temperatures, keep children, clothing, and furniture away.

11. use only in a well adequately ventilated room

12. DO NOT INSTALL DOORS OR AN UNVENTED GAS LOG SET INTO THIS APPLIANCE.

13 Keep suitable extinguishing agent ready: Foam or CO2 extinguisher or specially treated fire blankets.

14. Never move the fireplace while it in use.

15. Minimum room volume: please refer to below chart and please keep adequate ventilation

16. The construction of the appliance shall not be changed;

17. Never leave the appliance unattended during operation;

18. Never leave the appliance when light on;

19 Check the secondary containment chamber regularly for fuel overspill. If excess fuel is detected there in the tank shall be emptied (e.g. before each refilling of the fuel);

20. This device is not suitable for continuous operation;

21. Operation of several appliances is only allowed if the power output is equal or lower 4,5 kW/h and that additional ventilation of the room is required;

22. Exclusive use of spare parts which are approved by the manufacturer

23. Risk of Indoor Air Pollution - Use unvented decorative appliance only in well-ventilated areas. People with breathing problems should consult a physician before using the unvented decorative appliance";

24. "Do not use in a room with oxygen tanks in use";

25. "In a house of typical construction, that is, one that is not of unusually tight construction due to heavy insulation and tight seals against air infiltration, an adequate supply of air for combustion and ventilation is provided through infiltration. However, if the unvented decorative appliance is used in a small room where less than 200 fl3 (5.7 m3) of air space is provided for each 1000 Btu/h (0.29 kW) of unvented decorative appliance rating (considering the maximum burner adjustment), the door(s) to adjacent room(s) should be kept open or a window to the outside should be opened at least 1 inch (25.4 mm) to guard against potential buildup of indoor air pollution. Do not use the appliance in a bathroom, a room where sleeping accommodation is provided, or any other small room";

15, Data Sheet

Model No.	Burner Size	Flame length	Capacity	Burn Time	Heat output	Minimum Room Size M^3	Minimum fuel level	N.W.
ILFP-SR36	908mm L x 193mm W x 168mm H	776 mm	7.3 L	10.5-14 H	2.8-3.7 KW	180	1L	18 KGS

16, Troubleshooting

Warning Beeps	Error	Solution
One short beep: B,B,B,B,B,	CO_2 density reaches warning level	Keep room ventilated ASAP
Two short beeps: BB,BB,BB,BB,BB	Overheating burning chamber	Shut down unit and wait until it’s cool down
Three short beeps: BBB,BBB,BBB,BBB,BBB	Overheating fuel tank	Leave the burner shut off and wait until it’s cools down
Four short beeps: BBBB,BBBB,BBBB,BBBB,	Burner is not level	Make adjustment to the burner level and restart unit
One short beep with One long beep: BB~~,BB~~,BB~~,BB~~,	Fuel shortage	Shut down the unit, wait until it’s cool down and refill it with more fuel
Two short beeps with One long beep: BBB~~,BBB~~,BBB~~,BBB~~	CO_2 warning	Keep the room ventilated and then restart the unit if necessary
Three short beeps with One long beep: BBBB~~, BBBB~~	ignition failed or fire extinguished. Burner will stop working within 30 seconds.	Restart the burner after it cool down
Four short beeps with One long beep: BBBBB~~, BBBBB~~	(When filling manually only) Fuel tank reached maximum capacity; the pump will stop automatically	Stop filling manually

17, Warranty

1. Our fireplaces are guaranteed 5 years, parts and labor. Warranty begins on the date of purchase.

2. Warranty will be applied on presentation of a dated cash receipt and is strictly limited to factory service repair of the piece or pieces that are found to be defective.

3. Installations costs will not be reimbursed in any case as damages for any reason whatsoever.

4. Manufacturer will not be held responsible for any incidental or consequential defects, on goods or individuals.

5. The warranty will not be applied if devices have been subjected to abnormal use or if used under other conditions of use than the ones they were intended for.

6. The warranty will not apply in case of deterioration or accident due to negligence, damages caused by failing to maintain and service the device or resulting from an alteration of material.