

## **GlammFire bioethanol decorative fireplaces**

GlammFire offers a wide variety of bioethanol decorative fireplaces for wall and floor. The decorative wall fireplaces come equipped with an easy assembly fixing type, unlike the floor standing decorative fireplaces, which do not require any assembly or setting, in addition to the normal placing on the floor. What usually distinguishes the floor standing models is their portability, being some of them equipped with wheels.

## **FAQS FIREPLACES**

### **The installation of a GlammFire bioethanol decorative fireplace is simple?**

Yes, just follow the instructions in our instructions manual and within a few minutes your decorative fireplace is installed. GlammFire bioethanol decorative fireplaces can be used both indoors and outdoors (depending on the model) and require no additional installation work or chimney, so you can easily change their location.

### **How do I light a GlammFire bioethanol decorative fireplace?**

You can find all detailed information about the firing of your decorative fireplace in the instructions manual that accompanies the model. Strictly follow our instructions in order to ensure a proper installation and a safe and efficient use.

### **Can I adjust the intensity of the flame?**

Yes, however, the process of regulating the intensity of the flame varies with the GlammFire burner model. In the GlammFire mechanical burners you can do it manually using the special key that is supplied with the model, since they have a mechanism for regulating the flame (minimum, medium and maximum).

**Note:** The consumption of bioethanol varies depending on the setting selected.

### **Can I extinguish the fireplace before the combustion of bioethanol has ended?**

Yes, you can extinguish your decorative fireplace at any time, even before the combustion of bioethanol has ended. However, we recommend that you wait for the complete combustion of bioethanol contained in the burner, because it guarantees a good burn quality the next time you ignite your decorative fireplace.

In the decorative fireplaces with mechanical burner this process should be performed using the special key that is supplied with the model, while in the decorative fireplaces with electronic burner simply press a button to extinguish the flame.

**Note:** Extinguish your decorative fireplace whenever you leave home.

### **Can I move the decorative fireplace?**

As do not require additional installation work or chimney, GlammFire bioethanol decorative fireplace can be easily changed.

However, we recommend that you make the movement operations whenever the decorative fireplace is not operating and without bioethanol in the burner.

### **GlammFire bioethanol decorative fireplaces heat up efficiently?**

Yes. As usually GlammFire bioethanol decorative fireplace require no chimney or pipes, the total heat generated by the combustion of bioethanol stays on the room. This is undoubtedly one of the reasons that make them efficient in heating.

The heat emitted by this type of fireplace warms perfectly 35 square meters.

### **GlammFire bioethanol decorative fireplaces can be installed anywhere?**

Yes, they can be installed in any environment (room, bedroom, kitchen, bathroom, etc.) or directly in different types of structures (for example, furniture or masonry).

However, not every place is suitable and appropriate for their installation. They can not be installed in spaces with small dimensions and little ventilation. Elsewhere, we recommend that you strictly follow our installation instructions.

**Note:** Sometimes, you may need an approval from the competent authorities in order to install your bioethanol decorative fireplace at a given location. Make sure that it complies with all standards prior to installation of your GlammFire bioethanol decorative fireplace.

### **Can I incorporate a GlammFire bioethanol decorative fireplace or a burner in my traditional fireplace?**

GlammFire has in its collection of bioethanol decorative fireplaces and burners some models which have been carefully developed to be incorporated into existing traditional fireplaces or different types of structures (for example, furniture or masonry).

The process of renewal of your existing traditional fireplace is simple and fast. Just follow the instructions given in the instruction manual of the bioethanol decorative fireplace or burner and in a few minutes your old fireplace gets a new life.

### **How do I clean a GlammFire bioethanol decorative fireplace?**

A GlammFire bioethanol decorative fireplace requires no special maintenance. Depending on the model and the materials, you can clean it with your household cleaning products.

In the case of GlammFire mechanical burners, as they are developed in stainless steel, you should clean them with a soft cloth and a liquid product for cleaning this material.

### **GlammFire bioethanol decorative fireplaces are safe for children and animals?**

Undoubtedly. Nevertheless, we recommend that you keep children and animals away from the decorative fireplace while it is running.

Ensure safety, maintain a good supervision of your decorative fireplace.

### **Can I customize my GlammFire bioethanol decorative fireplace?**

Absolutely. Our bespoke program allows all our products to be customized and perfectly adapted to your needs and desires.

The use of noble, resistant and safe materials with excellent quality (leather, stainless steel, rusted Corten steel, lacquered MDF), outstanding craftsmanship from our craftsmen and attention to detail allows us to offer you the best product and service quality.

We guarantee products developed according to your needs and desires, customized and with exquisite finishing, that present themselves as the best solutions for heating and decoration.

## **Bioethanol**

Bioethanol or simply "ethanol", as fuel for the operation of fireplaces, is produced through the fermentation of products of vegetal origin like sugar cane, potatoes, sugar beet and cereals, among others. It is considered a renewable energy source, 100% green, which respects the environment and does not contribute to global warming. Hence the name "bio" ethanol.

Bioethanol contains 96% vol. ethanol and 4% water. The percentage of water exists because bioethanol is hygroscopic, it tends to absorb humidity from the air. In accordance with the various global regulations that manage bioethanol commercialization, it can not be sold in its pure state. That which is traded in the market is dominated by alcohol or denatured ethanol (*Methylated Spirits*).

From the combustion of bioethanol are released carbon dioxide (CO<sub>2</sub>) and water (H<sub>2</sub>O). This is undoubtedly one of the reasons why bioethanol fireplaces are considered clean and innovative products.

As usually bioethanol fireplaces require no chimney or pipes, most of heat generated by the combustion of bioethanol stays on the room. This is another reason that makes the combustion of bioethanol quite efficient.

### **The consequences of use of an inappropriate fuel**

Only recommended fuel should be used. In addition to bioethanol, no other fuel should be used in the decorative fireplace. The use of an inappropriate fuel may lead to emission of irritating gases or soot or even toxic gases that can harm human health.

In order to ensure a safe use of your fireplace please consider:

- Type of bioethanol recommended to be used in your decorative fireplace, care with use, handling and storage of bioethanol;

- Information provided by the manufacturer on what to do if you can not find the fuel indicated. The choice and use of an inappropriate fuel, as well as non-observance, contribute to an increased risk of accidents;

- Information concerning the supplier of bioethanol and GlammFire retailers/distributors.

## **Emissions and indoor air quality**

From the combustion of bioethanol are released carbon dioxide (CO<sub>2</sub>) and water (H<sub>2</sub>O). These are the same products produced by our breathing, they are harmless substances. This is undoubtedly one of the reasons why bioethanol fireplaces are considered as clean and innovative products.

Follow our instructions strictly to ensure:

- Proper installation of the fireplace
- Good ventilation of the space
- The use of fuel recommended

## **Faqs Bioethanol**

### **What is Bioethanol?**

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### **Is bioethanol environmentally friendly?**

Completely. Bioethanol is a compound which is obtained from the fermentation of natural products, biodegradable and water soluble, and from its combustion are only released carbon dioxide (CO<sub>2</sub>) and water (H<sub>2</sub>O).

### **Where can I buy bioethanol?**

Bioethanol can be purchased in containers of 1 and 5 liters at any GlammFire retailer, and also in supermarkets or other shops, authorized to trade bioethanol.

### **What is the average price of bioethanol?**

The average price of 1 litre of bioethanol varies depending on the place of purchase and the desired quantity. On average, the price is around € 2.50 per litre.

### **How long will bioethanol burn for?**

Generally, 2 litres of ethanol heat for 6 hours, if adjusted to the medium position of our burners. As usually bioethanol fireplaces require no chimney or pipes, most of the heat generated by the combustion of bioethanol stays on the room. This is another reason that makes the combustion of bioethanol quite efficient.

#### **What are the emissions resulting from the combustion of bioethanol?**

From the combustion of bioethanol result: carbon dioxide (CO<sub>2</sub>) and water (H<sub>2</sub>O). These are the same products produced by our breathing, they are harmless substances.

However, it is recommended to keep a good ventilation to ensure a healthy level of oxygen.

#### **Bioethanol releases smoke or smell?**

The combustion of good quality ethanol does not release smoke or smell. Only there is a slight smell once the combustion of ethanol ends and the flame is extinguished, which quickly dissipates into the air.

#### **Is additional ventilation needed?**

Additional ventilation is not required. It is only recommended that you keep one door or window open to keep good ventilation of the space where your fireplace is installed.

#### **Can I use a fuel other than bioethanol?**

The choice and use of an inappropriate fuel contribute to an increased risk of accidents. Therefore, you should only use the recommended fuel.

In addition to bioethanol, no other fuel should be used in your decorative fireplace. The use of an inappropriate fuel may lead to emission of irritating gases or soot or even toxic gases that can harm human health.

#### **How should I store bioethanol?**

Bioethanol should be stored in cool and dry places, away from any ignition source, away from children and should not be exposed to sunlight.

Bioethanol is regulated by various standards around the world. Therefore, to ensure a safe handling and use, as well as a storage recommended, you should be familiar and comply with the regulations.