

Operating and Safety Instructions Applies to Square versions.

General Notes

Please read through the following notes very carefully.

This manual is directed towards end-users who use the Glassfires products.

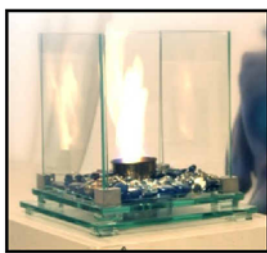
Any right to make a warranty claim will be cancelled if these instructions are not observed. Inappropriate use as well as changes to the product will also cause exclusion of any claims made under warranty.

If there are any questions and problems encountered in installing and using the products then please contact the point of purchase.

1. Description of the product

Glassfires products are decorative fireplaces which are not foreseen for producing heat and which are designed for installing in a living room or outside. There is a liquid fuel (ethanol) burnt in the Glassfires model variants which is poured into a stainless steel container. The fireplaces consist of a multi-layered glass foot as well as an attached combustion chamber made out of 4 panels which are arranged at right angles to each other and in which the flames can be seen from all sides.

2. Product variants from Glassfire



(Depending on the version, deco elements and fireplace can deviate from the images.)

General notes on the product

Glassfires products are exclusively suitable for burning ethanol.

We strongly recommend using our fuels (See www.glassfires.co.uk) If fuels other than that specified are used, any claims under warranty will be invalid.

Glassfire products are purely decorative elements and do not fulfill any heating purposes.

The Glassfire products were subjected by TOV SOD (Association for Technical Inspection South) to safety testing on the basis of resolutions of the committee of experts for combustion equipment and testing plans from TOV SOD Industrie Service GmbH.

Damaged fireplaces (e.g. damaged glass) must not be used anymore. Defective parts should be replaced immediately before the product is used again! Do not make any changes to the product!

National and local legal provisions should be observed during installation and operation!

Individual parts

Base

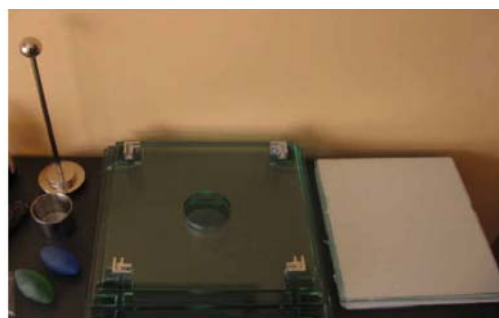
Holder for the glass panels with screws

Glass panels for the combustion chamber

Fuel container

Flame extinguisher

Decorative stones



Material/Substance Used

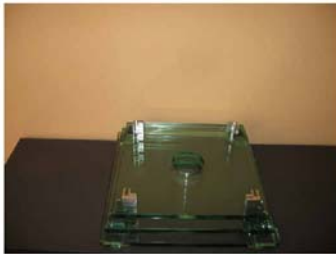
Pos	Component	Material
1	Base	Glass
2	Window -glasses for combustion chamber	Glass
3	Holders for the glass panels	Aluminum
4	Fuel container	Stainless steel 1.4404
5	Flame extinguisher	Stainless steel 1.4404

3. Installation and Safety Instructions

Stay safe!

Pour some water into the combustion chamber to check for damages and leakage before filling with the fuel!
In the case of a damaged combustion chamber, replace it!

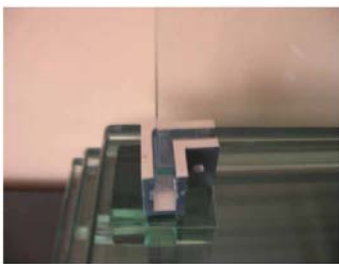
3.1 Installing the base



The installation location should be selected in such a way that damage to the system by unauthorized persons can be avoided and children and pets cannot have any access to it. Ensure that the surface it stands on is stable enough. Do not use in children's rooms. Only install in a location which is protected from drafts.

Install at least 1 meter away from any combustible objects (curtains, furniture, easily combustible materials and objects). A minimum distance to combustible materials above the fireplace of at least 1.0 m above its upper edge should be observed. Always ensure that no parts can come into contact with the naked flame.

3.2 Placement of Combustion Chamber Cylinder and Decorative Elements



Fix the panels in place using the locking screws supplied (8 for the base, 2 spare parts).

Fix the screws by the screwdriver, not be too tightened, in case that the glass could be damaged.

When inserting the panels ensure an even distance to the corners.

Decorative stones are distributed in such a way that this cannot fall into the fuel container. They should, therefore, not be laid one over the other to prevent slipping off.

Ensure that the fuel container is not covered by decorative elements (e.g. decorative logs).

Combustible materials should never be used as decorative elements inside the glass cylinder.

3.3 Filling and topping up with fuel

Fill the fuel container when it is cooled down up to about 1 cm under the top edge of the container. Ensure that no fuel is spilled. Always ensure to remove any fuel which is spilled before igniting (using a dry, absorbent, non-abrasive cloth).

The fuel must not be topped up while it is burning since there is a risk of darting flames occurring. Always refill the fuel container when it is cooled down outside the fireplace.

Extinguish the flame using the flame extinguisher before removing the fuel container and allow cooling down.

Never smoke while filling with and topping up with fuel.

Upon completion of fuel filling, the fuel bottle should be kept at least 1 m from the fireplace.

Ignite the fuel immediately after pouring into the fuel container to prevent accumulation of combustible gases.



3.4 Lighting the fuel

Place the filled container in the recess provided. Ensure correct, straight and central seating (an even gap between the container and the glass base).

Ignite the fuel using a stick lighter of sufficient length.

When igniting always ensure sufficient distance of one's head and body from the housing.



3.5 To observe while burning fuel

One should ensure that there is an adequate supply of fresh air during use. Persons with breathing difficulties should not stay in rooms in which the fireplaces are used.

Do not leave the burning fuel unattended. The same duty of care applies as the burning of candles.

Do not cover while fuel is burning and do not lay combustible objects on the surface of the device.

Do not top up the fuel while fuel is burning!

Never blow on the fire oneself or blow on it using a fan or hairdryer.

3.6 Extinguishing the flame

Extinguish the flame using the flame extinguisher by means of full, careful placing of the plate on the fuel container. Allow the container to cool down, take it out and put the fuel in a proper vessel for storage. Do not let the fuel remain in the container.

4. Cleaning and maintenance instructions

Apart from the usual cleaning measures which are associated with use the fireplaces are maintenance free. Cleaning is performed using soapy water or a glass cleaner. Allow to dry after cleaning before using the product again.

5. The fuel Ethanol type 1987-rectified alcohol, denatured with VM62 and Bitrex

Notes on storing the fuel

Put unused fuel back into its original container after allowing it to cool adequately.

Only store in the original container for the fuel in a closed condition without allowing any exposure to heat from outside. Store in a dry, cool place inaccessible to children.

Ethanol is a very inflammable fuel. Keep away from any sources of heat or ignition during storage and transport.

Visit or contact a doctor immediately if any of it is swallowed accidentally.

Avoid contact with the mucous membranes or the eyes.

Do not mix ethanol with other fuels.

Importer

Magnum Heating Ltd
Glassfires & Biofireplaces
Aberfeldy
Perthshire
PH15 2LS

PLEASE SEE WWW.GLASSFIRES.CO.UK TO ORDER MORE BIOFUEL

Parameter	Unit		Nominal range
Alcohol concentration @ 20°C (before denaturing)	Vol. %	>	96.0
Ethanol purity (a water-free product)	Area	min.	97.5
Density d @ 20°C	g/cm ³		0.805 - 0.807
Appearance			colorless-clear
Smell			specific
VM62	Vol. %		0.8 - 1.2
Bitrex	%		0.0008 - 0.0012
Total acid as acetic acid	mg/100ml	<	1.0
Evaporation residue	mg/100ml	<	1.5
Residue on ignition	mg/100ml	<	0.5