

USER MANUAL
INSTALLATION GUIDE

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User Manual

fireplace insert

decoflame® Ascot Lux

English



It is imperative that you read this manual before using the product

Keep the manual in a safe place for future reference

Congratulations on your new decoflame® bioethanol fireplace insert.

IT IS VERY IMPORTANT THAT YOU READ THE ENTIRE INSTALLATION AND OPERATING INSTRUCTIONS AND ADHERE TO THE SAFETY MEASURES DESCRIBED HEREIN.

DECOFLAME CANNOT BE HELD RESPONSIBLE FOR ANY ACCIDENTS OR DAMAGES CAUSED AS A RESULT OF NON-ADHERANCE TO THESE INSTRUCTIONS.

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SAFETY

Naturally, safety is imperative dealing with open fire. All decoflame® fireplace inserts are designed, manufactured and quality-tested in Denmark with highest product safety and user-friendliness in mind. Our fireplaces feature a unique and design-protected decoflame® burner which is thoroughly tested and its closing mechanism manually adjusted prior to leaving the production line. Please strictly adhere at all times to all safety measures and installation instructions described in this manual.

Your decoflame® fireplace insert has been technically engineered to offer not only beautiful design but also functionality and safety. **DO NOT** amend, add or omit any parts or components of this fireplace as this will void your warranty. **DO** always use both glass screens as these are needed to stabilise the flames and to prevent the burner from *overheating*, which will increase fuel consumption and cause problems when extinguishing the fire.

POSITIONING

Make sure that you position your fireplace in a safe place, which means with a distance of at least one metre from furniture, curtains or other inflammable objects. The minimum distance between the burner opening and anything above it is 500mm.

The Ascot Lux is designed to be used as a fireplace insert. Ideally, any chimney opening has been closed with non-inflammable material in order to keep 100% of the heat generated indoors and to avoid draught.

DO NOT place any valuable paintings or electronic equipment like TV screens or speakers in short proximity to the opening of the fireplace. The warm air from the fire will rise upwards and might damage anything in its way.

DO use the Ascot Lux only as intended with both glass screens (to the front and to the back (the one with the glass hole in the bottom is the glass screen for the front)). These will help stabilise the flames (protecting them against draught) and reduce the fuel consumption. If in doubt, please call Decoflake.

You should not touch the flames of the lit fireplace insert or blow into the flames, as this will cause the flames to escape from the fireplace and they will become uncontrollable.

Always keep a safety distance of at least 300mm from a lit fireplace.

When lit, the glass and metal surface of the burner will be hot. **DO NOT** place anything on top of your fireplace insert.

Do you have children or pets in the home? If so, make sure an adult keeps an eye on them at all times during operation of your fireplace insert and never leave your fireplace unattended when it is lit.

OPERATING INSTRUCTIONS

ALWAYS light and extinguish your decoflame[®] fireplace insert in a safe manner. **ONLY** adults may light and extinguish the flames.

All decoflame[®] bioethanol fireplace inserts are designed and manufactured exclusively for use with bioethanol of highest purity (96%). **DO NOT** use any other fuel or materials or bioethanol of inferior quality as this will void your warranty.

We supply our own carefully chosen decoflame[®] bioethanol. Please ask for sourcing options at your fireplace retailer.

Open a bottle of bioethanol and fill the fuel into the burner up to the max. level indicator. You can use a funnel or a pump in order to avoid spilling. We recommend that you refill the burner every time you wish to use the fireplace as this will make lighting it easier.

In case of spillage, wipe off any excess bioethanol from the burner and surrounding surfaces and empty the safety chamber underneath the burner. Then, wash your hands thoroughly before lighting the bioethanol vapours (**danger of burns to your skin**).

Use a long fireplace match or a fireplace lighter to light the vapours.

Keep an appropriate distance when lighting the fireplace insert.

DO NOT smoke when filling the burner with bioethanol.

DO NOT – under any circumstances – refill the burner when it is in use or still hot from previous use.

DO NOT light the burner in case you have overfilled it! Partly empty the burner and the safety chamber underneath from any excess bioethanol.

We recommend that you always let the fireplace insert burn until the complete bioethanol filling has burnt off. Should you wish to extinguish the fire before the burner is empty, we recommend that you fill the burner with bioethanol up to the max. level indicator before lighting it again. If the burner is half empty or filled lower than the MIN level indicator, the bioethanol gas on top of the remaining liquid fills all of the empty space in the burner. If you were to light this "gas accumulation", you would cause a little explosion. Furthermore, it can be difficult to light a burner which is only half full.

Should it be necessary to extinguish the fire before the burner is empty, please **ONLY** use the following method: Using the handle supplied with your Ascot Lux, insert it into the hole at the bottom of the front glass screen and slide the lid to a closed position by pulling it in a rapid movement gently towards you. In this way, the oxygen supply is interrupted immediately and the flames are extinguished. **DO NOT** attempt to blow out the fire!

IMPORTANT! Wait around 15 – 20 minutes or until you are certain that the burner has cooled down before you refill it with bioethanol.

The bioethanol must be stored safely and out of reach of children.

DO NOT cover the fireplace. **DO NOT** place any inflammable materials or clothes on the fireplace. **DO NOT** place any pebbles or stones on the burner as these will crack and might cause injury or damage to the fireplace. Any decorative objects placed around and on top of the burner will not only make it difficult to open/close the burner but will increase the combustion temperature which in turn increases the bioethanol consumption and might cause undesired micro-particles in the room air.

Ensure that the room in which the fireplace is situated is well ventilated at all times during operation of your fireplace without causing any draught. Please refer to section "Specifications" for recommendations of suitable room sizes for your fireplace.

The metal and glass parts of your fireplace can become hot during use. Avoid contact with those parts to avoid burning.

DO NOT mix bioethanol with other fuels.

Always thoroughly follow the instructions on the packaging of the bioethanol.

Bioethanol is extremely flammable.

Avoid contact with eyes and skin.

We recommend that people with breathing problems or asthma keep a window opened during the use of their bioethanol fireplace.

Avoid draughts, as this can cause soot formation (smut).

MAINTENANCE

The surface of the burner can be brushed up (in direction of the grain) with the 3M sponge you find in the packaging of your Ascot Lux. It might change its colour with use due to the heat. This is to be considered normal wear and tear and does not constitute a product flaw or fault. We recommend cleaning the glass screens with kitchen paper and glass cleaner. Do not use any abrasive detergents.

QUESTIONS AND ANSWERS

1. Where can I position the bioethanol fireplace insert?

You may position the fireplace insert as intended in an existing fireplace opening. Ideally, the chimney/flue has been closed which will allow 100% of the heat to remain indoors. This will also reduce air turbulences around the burner.

2. Is any kind of approval required?

It is important that you are aware of any local rules and regulations which might apply to the use of bioethanol fireplaces.

3. Is it difficult to install a decoflame[®] Ascot Lux?

No, just unpack it, insert the safety chamber and the burner into the cast iron support and the glass screens carefully into their position to the front and back (the hole in the front screen has

to face downwards). Then place the slider lid on top of the burner opening and position the Ascot Lux inside the cavity of your fireplace.

4. Is the fireplace insert ready for use after unpacking?

Yes, once it is placed safely in accordance with the instructions given herein, the only thing you need to add is bioethanol.

5. What is the best way to light the fireplace?

Use long fireplace matches or fireplace lighters.

6. Is bioethanol dangerous?

No, bioethanol is neither dangerous to humans nor the environment and it is biodegradable. Bioethanol is alcohol which is made by means of fermentation of organic, sustainable and environmental-friendly raw materials such as corn, potatoes and sugar cane. This alcohol is then denatured, i.e. made unfit for human consumption. During combustion, water vapour and carbon dioxide are created. Only the gas of the bioethanol burns, and bioethanol changes its condition from liquid to gas form at around 15°C (59°F). The bioethanol gas is heavier than air, so it will always remain on top of the surface of the liquid bioethanol. Make sure that you keep the fuel in a safe place out of reach of children.

Denatured Bioethanol is classified as a Flammable Liquid Class 1B (for Flammability) and Class 3 PGII (for Transportation) and is regulated by various standards around the world. You must familiarise yourself and comply with these regulations in order to safely and legally store, handle, decant and use this fuel.

7. Is it dangerous to inhale the gas that is developed during combustion?

When burning, bioethanol is dissolved into not much else but water vapour and CO₂ (carbon dioxide). The amount of CO₂ which is released corresponds to the one of 2 burning stearine candles of medium size. The amount of any other particles released during combustion at such low temperature is only marginal. As the combustion temperature of your bioethanol fireplace lies below 400°C, there are no other harmful substances (like aldehyde or NO_x) released which usually occur at combustion temperatures of over 700°C. Always make sure that the room in which the fireplace is situated is well ventilated (without causing a draught) in order to ensure a sufficiently high level of oxygen during operation of the fireplace – as fire consumes oxygen.

8. In which quantities is bioethanol supplied?

decoflame[®] bioethanol is supplied in 1 litre bottles. In order to facilitate filling of the burner you should use a funnel for pouring the liquid into the burner.

9. What is the burning duration of one litre of bioethanol?

Any of the Ascot Lux models will burn between 4-6 hours, depending on the air flow around the burner, the room ventilation and setting of the flame intensity.

10. Does the Ascot Lux give off much heat when in use?

The heat efficiency of the decoflame[®] Ascot Lux models varies between 3-6 kW/h. However, our

fireplace inserts are designed mainly for decorative purposes - they should only be considered a *supplement* to any primary heating system.

11. Can paper and wood be used as fuels for the Ascot Lux?

No, you may *only* use bioethanol – we recommend of at least 96% purity - in the burner.

12. How can the flame be extinguished when the fireplace is lit?

Ideally, and as recommended, you allow *all* of the bioethanol in the burner to be burnt. Should you extinguish the fire at a time when there is still bioethanol left in the burner, please **ONLY** use the following method: Using the handle supplied with your Ascot Lux, insert it into the hole at the bottom of the front glass screen and slide the lid to a closed position by pulling it in a rapid movement gently towards you. In this way, the oxygen supply is interrupted immediately and the flames are extinguished. **DO NOT** attempt to blow out the fire!

13. What shall I do if I have overfilled the burner?

DO NOT light the burner! Lift the burner out of its safety chamber (wear rubber gloves and reach into the burner opening grabbing its top plate) and empty part of the bioethanol into a container (bucket, bowl or similar – you can discard it into the toilet or kitchen sink and flush it away with water as it is only alcohol) until the burner is only filled up to the max. level indicator. Dry off any bioethanol from the top and the outside of the burner. Then use kitchen paper to dry off any liquid from the safety chamber. Re-insert the burner into the safety chamber. Remove the rubber gloves and light the burner.

Ascot Lux

INSTALLATION GUIDE

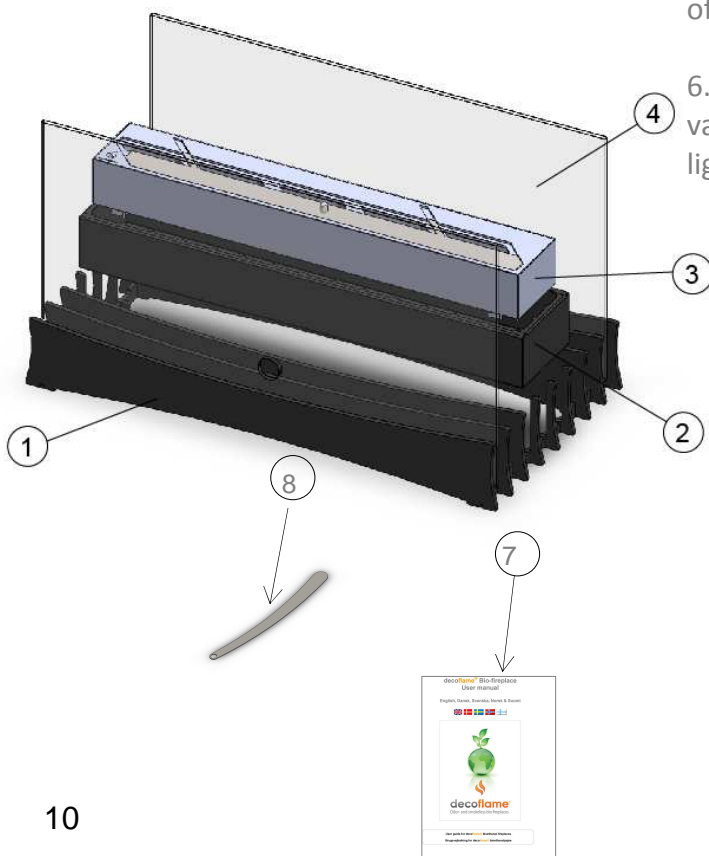
Before you start installation of your fireplace insert, please check that the packaging is intact and that all parts as listed below are included.

Contents of the box:

1. Black grate (1)
2. Safety chamber (1)
3. Burner and slider lid (1 + 1)
4. Glass screens (2 the one for the front has a hole in it which needs to face downwards)
7. User Manual (1)
8. Handle for slider lid (1)

Installation of your Ascot Lux

1. Once unpacked, insert the safety chamber and the burner into the cast iron support.
2. Insert the glass screens carefully into their position to the front and back (the hole in the front screen has to face downwards).
3. Then place the slider lid on top of the burner opening.
4. Position the Ascot Lux inside the cavity of your fireplace.
5. Then the burner can be filled with bioethanol to the MAX level indicator. Wipe off any spillage, wash your hands.
6. And then you can light the bioethanol vapours with a fireplace match or a long lighter.



SPECIFICATIONS

Ascot Lux 400

Room volume:

min. 45m³

Heat Efficiency:

around 3 kW/h

Burner volume:

1.8 litres of bioethanol. Only use bioethanol of at least 95% for decoflame[®] fireplaces.

Burning duration:

One burner filling will last around 4 – 6 hours, depending on flame intensity and air flow.

Ascot Lux 500

Room volume:

min. 48m³

Heat Efficiency:

around 3.8 kW/h

Burner volume:

2.3 litres of bioethanol. Only use bioethanol of at least 95% for decoflame[®] fireplaces.

Burning duration:

One burner filling will last around 4 – 6 hours, depending on flame intensity and air flow.

Ascot Lux 600

Room volume:

min. 57m³

Heat Efficiency:

around 4.5 kW/h

Burner volume:

2.8 litres of bioethanol. Only use bioethanol of at least 95% for decoflame[®] fireplaces.

Burning duration:

One burner filling will last around 4 – 6 hours, depending on flame intensity and air flow.



decoflame[®]
burning inspiration

For more info please visit www.decoflame.com

or contact DecoFlame at info@decoflame.dk