

External heater hot tub

User and maintenance manual

Koriks-Fiiber OÜ

2018



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1 General information

The product user and maintenance manual includes information about the manufacturer, intended use, handling, transport, assembly, operational use and maintenance of the product.

This manual should be used as a how-to guide during the operation and maintenance of the product.

This manual covers the following hot tubs.

Model	Product weight (kg)	Total weight with water (kg)	Capacity, litres (L)
Koriks 800 L	140	940	800
Koriks 1000 L	180	1180	1000
Koriks 1100 L	180	1280	1100
Koriks 1200 L	180	1380	1200
Koriks 1600 L	230	1830	1600
Koriks 1650 L	240	1890	1650
Koriks 1700 L	230	1930	1700
Koriks 1800 L	180	1980	1800
Koriks 2300 L	260	2560	2300

Total weights in the table above do not include people in the tub.

1.1 Symbols

	DANGER!	IMMEDIATE or possibly imminent danger.
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	CAUTION!	A potentially hazardous situation.
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	ATTENTION!	Note!
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1.2 Definitions

Product – hot tub with an external heater.

Handling – transporting, installing or doing maintenance work with the product.

Operational use – using the product after correct handling and installation.

Transport – moving the product from one location to another. Transport also includes lifting the product or its parts.

Residual risks – risks that are present during operational use and even after applying safety precautions.

Maintenance – actions related to cleaning, repairing or replacing various parts of the product.

Operator – anyone who is associated with product handling, transport, installation, or maintenance.

Warranty – a period after the product has been sold during which the manufacturer is responsible for the technical condition of the product. The warranty lasts 36 months from the date of purchase.

Tub – part of the hot tub that holds the water (see image 3).

External heater – a heater (see image 1) connected to the hot tub for heating the water.

1.3 Warnings

Warranty is valid only when this manual and its requirements are followed.

Handling and maintenance may only be performed by operators who have read and understood this manual.

The operators must be at least 18 years of age and must have understood this manual.

The operator must wear safety equipment during all times.

All operations must be stopped immediately if a dangerous situation arises during handling or operational use of the product. Rescue service must be notified if necessary.

All installation and maintenance operations must be done by qualified operators.

If the construction of the product is modified, the product must be tested and approved by the manufacturer or its representative.

During the handling, installation, maintenance, and operational use of this product and its different parts, all necessary state laws / regulations must be considered (in addition to the content of this manual) to ensure the safety of users and the validity of the warranty.

No warranty is provided against damage resulting from reconstruction or modification of the product or use of non-original parts not approved by the manufacturer.

Please contact the manufacturer regarding any questions about this manual.

Please contact the manufacturer regarding any points that are not covered in this manual.

1.4 Manufacturer's information

Koriks-Fiiber OÜ

www.koriks.eu

Reg. No: 10959488

Address: Sooja 6, Saue, Harjumaa 76505

Phone: (+372) 659 6442

2 Intended use

The hot tub is intended for use only outdoors and can be used all year round. The hot tub is available with two different heaters – either external heater that is heated with wooden logs or an electric heater. There are separate instructions on using electric heater, these are not included in this manual.

	DANGER!	Using the product indoors is strictly prohibited and might lead to serious injury or death.
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It is prohibited to use the product indoors and for unintended purposes.

	ATTENTION!	Using the product for unintended purposes may damage property or the product or cause health hazards.
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	CAUTION!	Use of non-original parts may lead to serious injuries and damage to the product.
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3 Transport, assembly and installation

3.1 Transport

The hot tub is transported on its side, attached to a transportation pallet.

After receiving the product make sure that the packaging is not damaged. If the package is damaged, mark the damages on the transport documentation (CMR).

The weight of one package is approximately 110–260 kg (depending on the model).

Before assembling and installing the product please remove the packaging from the different parts and take out heater and chimney from the hot tub.

Minimum of three people must lift the tub in the correct position. If possible, a lifting device should be used.

After the hot tub is in the correct position, remove the pallet from the side.

3.2 Assembly and installation

The package includes the following parts.

- 1) Fiberglass hot tub body
- 2) External heater
- 3) Chimney (two parts)

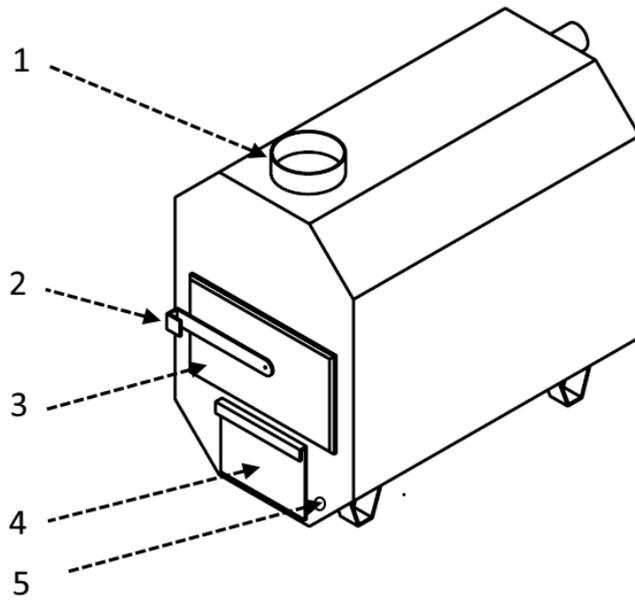


Image 1. Heater



Image 2. Chimney

- Chimney opening (1)
- External heater door handle (2)
- External heater door (3)
- External heater ash pan (4)
- External heater drain plug (5)
- Hot tub drain plug (1; see image 4 below)

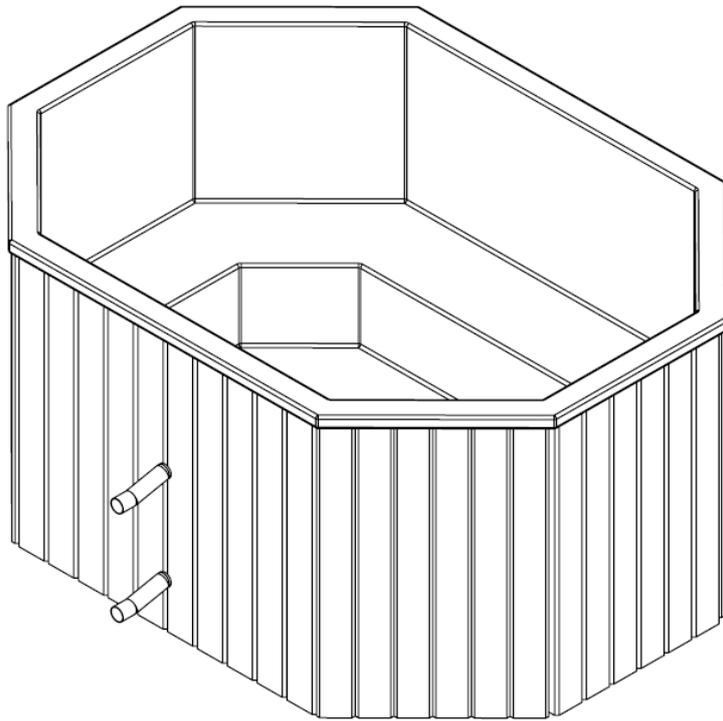


Image 3. Hot tub

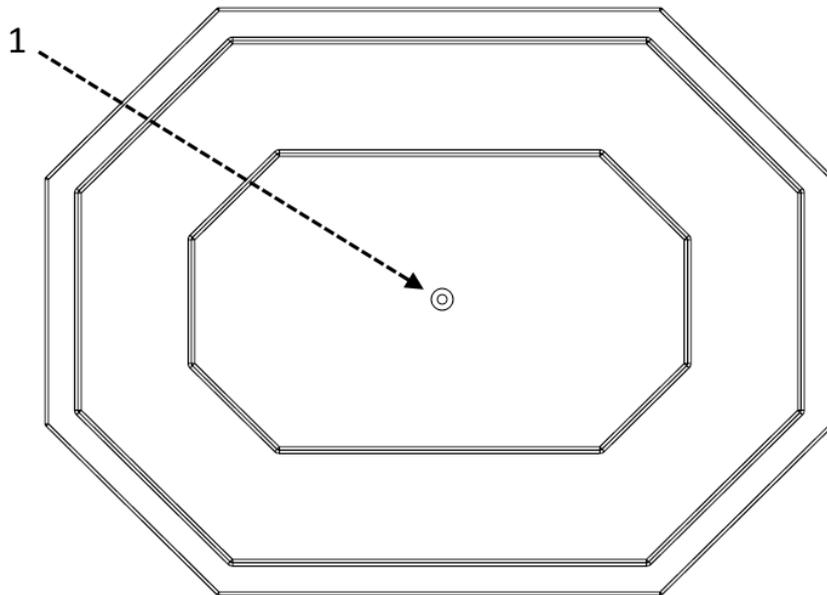


Image 4. Hot tub drain plug



Make sure that the external heater and chimney are not situated near flammable items/materials.

Safe distances must be consulted on with the local rescue service.

Loosen the hose clamps before connecting the hoses to the heater, and then push the hoses firmly onto the pipes behind the heater. Liquid soap or another lubricant may be used to facilitate the process. The overlap must be at least 4 cm.

Make sure that the drain plug is closed before filling the hot tub with water.

Debris may flow from the heater when filling the hot tub with water for the first time.

Follow the assembly order specified in this manual.

The correct assembly order is as follows.

- Remove the plastic and cardboard packaging from the different parts.
- Install the hot tub on a pre-prepared flat and hard surface.
- Install the heater to the same level with the hot tub. See image 5.
- Attach the elastic hoses (2 pcs) to the metal pipes on the rear of the external heater. The overlap must be at least 4 cm.
- Tighten the clamps (4 pcs). See images 6 and 7.
- Close the drain plugs on the hot tub and heater. See images 4 and 8.
- Attach the chimney to the external heater (two parts of the chimney need to be assembled beforehand). See image 9.
- Fill the hot tub with water.

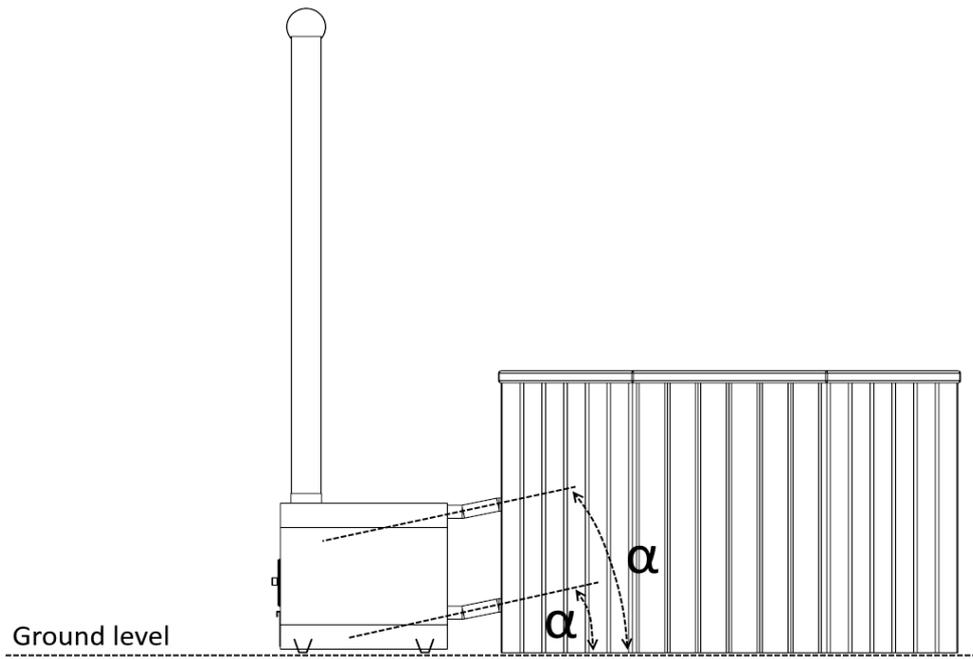


Image 5. Correct position of the heater and elastic hoses

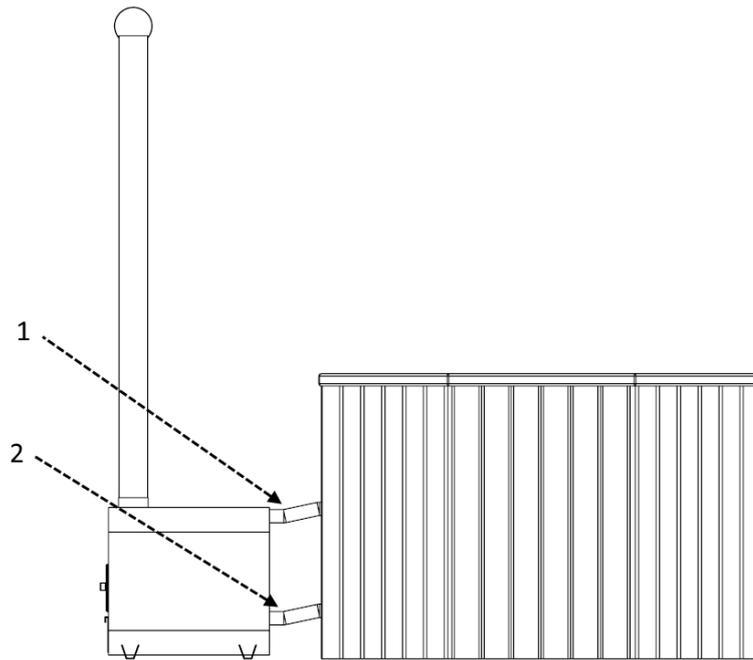


Image 6. Locations of the hose clamps of the external heater



Image 7. External heater hose clamp

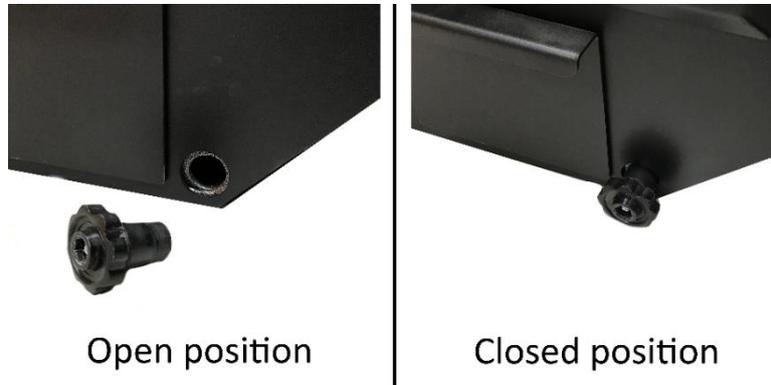


Image 8. External heater drain plug



Image 9. Chimney assembly

4 Operational use

Read this manual before operating the external heater and check the following aspects.

- 1) Make sure installation works have been carried out correctly (following this manual).
- 2) The hot tub must be filled with water before starting a fire in the external heater.
- 3) The water level in the hot tub must be at least 5 cm above the higher pipe.
- 4) Make sure the drain plugs on the hot tub and heater are closed.
- 5) Make sure the hot tub is not leaking.
- 6) Make sure the hoses are properly connected.
- 7) Make sure that the hot tub, external heater, and their connecting hoses are properly installed. See images 5, 6 and 7.

To start a fire, place 4–6 logs of suitable length into the heater.

You can use paper, woodchips or flammable blocks to light the fire.

When using the heater (when a fire has already been lit in it), the door of the heater may only be opened for adding logs.

	DANGER!	Leaving the external heater door open after adding logs may cause a fire.
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	DANGER!	A fire must not be lit in the external heater before the hot tub is filled with water.
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	DANGER!	Using fire accelerators such as ignition fluids or other similar fluids and solids is strictly prohibited. This may cause severe injuries or death and damage the product.
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	CAUTION!	Placing objects onto the external heater is prohibited. Fire hazard!
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The external heater and the chimney will get hot during use and will remain hot for several hours after use. It is prohibited to touch those parts with bare hands. Always use the door handle when opening the heater door. See image 1.

Only one adult person should operate the hot tub external heater.

Water circulation must be ensured when using the external heater.

Stir the water from time to time to achieve an evenly distributed water temperature.

The recommended water temperature is around 35–38 °C. Higher water temperatures may cause health problems.

Do not drain the hot tub until the fire in the heater has been extinguished and the coals have cooled down.

The drain plug must be left open if the external heater is not in use.

If water circulation is achieved using a pump, its working pressure must not exceed 0.5 bar.

Before adding any chemicals to the water please read the chemical label and manual.

Wrong use of chemicals can lead to health problems and damage of the product.

Chloride levels must be kept within norms, namely within 1–3 ppm. Chloride levels must never rise above 5 ppm when the heater is connected. Chloride levels above the allowed concentration will damage the heater.

Do not use abrasive or rough material for cleaning. It is also prohibited to remove dirt using sharp objects.

If you are not using the hot tub for longer periods of time, then use the hot tub cover to cover the hot tub.

It is not allowed to walk, stand or sit on top of a covered tub.

Do not let the water freeze in the heater during winter. A fire must not be lit in a heater that has already frozen over!

	CAUTION!	A wrong dose of chlorine may void the warranty.
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	CAUTION!	Incorrect maintenance or use may void the warranty.
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5 Residual risks

Residual risks are risks that remain even after the safety precautions have been applied.

	<p>DANGER!</p>	<p>Do not leave children unsupervised. Danger of drowning!</p>
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	<p>DANGER!</p>	<p>The external heater and the chimney will become hot during use! Do not touch with bare hands. Burning hazard!</p>
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	<p>DANGER!</p>	<p>Wet surfaces might cause slipping which may lead to serious injury!</p>
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6 Maintenance

The ash pan of the external heater must be emptied/cleaned after each use.

It is recommended to clean the hot tub after use. Hot tubs may be cleaned using a pressure washer or washing detergents. Cloths and sponges may also be used.

Hot tubs with natural wood external parts must be treated with tar oil at least once a year.

The hinges of the external heater door must be lubricated with heatproof lubrication at least twice a year to ensure unobstructed movement of the door.



7 Warranty

The hot tub has been given a material and production defect warranty for a period of 36 months. The warranty is valid only if the user has read and understood the user and maintenance manual and follows it.

Note! Products designed for commercial use have a different warranty period.

This warranty does not cover flaws such as colour changes, problems caused by humidity, cracks etc. which are common to wooden materials.

Frost damage is not compensated, as it can be avoided through the correct use of the hot tub.

Damage caused by extreme weather or other weather phenomena is not covered by the warranty.

Normal wear resulting from the use of the product is not covered by the warranty.

The warranty does not cover corrosive damage resulting from the incorrect use of chemicals.

Additional costs such as building or taking down the terrace are not subject to be compensated under this warranty.

The warranty does not cover damage caused by water which has been enabled to get into the bubble system's pump (one can avoid this with proper use).

Unauthorized modifications and repairs or unintended use will void the warranty.

Storing the product in a wrong position or in unsuitable conditions will void the warranty.

The warranty is valid if the buyer informs the manufacturer of the defect within a reasonable time (7 days). The buyer must be able to reliably prove where and when the product was purchased and clearly state the subject matter of the issue.

8 Contact information

Koriks-Fiiber OÜ

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