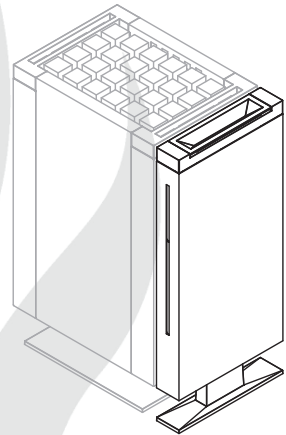


Vaporizer

for Mythos S35/S45 Vapor



GB Intallation and user instructions

MADE IN GERMANY



Image above shows optional accessories.

print no.: 29344485en / 15,13



English

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Dear customer

You have purchased a high-quality technical device with which you will have years of sauna fun. This sauna heater was designed and inspected according to the current European safety standards and manufactured at the factory in accordance with the quality management standard DIN EN ISO 9001:2000.

This detailed installation and operation manual has been prepared for your information. Please observe in particular the **important notes** and the information on electrical connection.

We wish you exhilarating recreational experience and lots of fun with your sauna!

Intended use

This sauna heater is exclusively intended for the heating of sauna cabins in combination with an appropriate control unit.

Any other use over and above the intended purpose is not considered as appropriate use! Compliance of the standard operation, maintenance and repair conditions is also an element of appropriate use.

The manufacturer cannot be held liable for deviating, unauthorized alterations and any resulting damages: the initiator of these changes bears the full risk.

General information

Please check whether the unit has arrived in perfect condition. Any transport damages should be immediately reported to the freight forwarder delivering the goods or you should contact the company that shipped the goods.

Please note that you will only be able to achieve an optimum sauna climate if the cabin with its air intake and ventilation, the sauna heater and the control unit are aligned to each other.






Please observe the information and stipulations made by your sauna supplier.

Sauna heaters heat up your sauna cabin using heated convective air. Here, fresh air is drawn in from the air intake which, when heated, rises upwards (convection) and is then circulated within the cabin. Part of the used air is pushed out through the vent in the cabin. This creates a typical sauna climate which can achieve temperatures of approx. 110°C measured directly under the ceiling of your sauna, dropping in temperature to approx. 30-40°C towards the floor. It is therefore not unusual to measure temperatures of 110°C on the temperature sensor hanging over the heater, whilst the thermometer hanging on the sauna wall, approx. 20-25 cm under the cabin ceiling, only indicates 85°C. The bathing temperature generally lies between 80°C and 90°C in the area of the upper bench when the temperature is set to maximum.

Please note that the highest temperatures are always generated over the sauna heater and that the temperature sensor and the safety limiter must be mounted there in accordance with the control unit installation instructions.


When heating up for the first time, you may notice a slight smell caused by evaporating lubricants used in production processes. Please ventilate your cabin before beginning your sauna bath.

Important notes

-  Unprofessional installation may cause a fire hazard! Please read these installation instructions carefully. In particular, please observe the dimensions stated and the following notes.
- This device can be used by children aged 8 upwards and by persons with physical, sensory, or mental disabilities, or who have inadequate experience and knowledge if they are supervised or if they have received adequate instruction in how to use the device safely and understand the associated risks. Children may not play with this device. Children may not clean or carry out any user maintenance if unsupervised.
- Children should be supervised to make sure that they will not play with the unit.
-  Only specialists may install and connect the sauna heater, control unit and other electrical equipment with a fixed mains connection. The necessary protective measures according to VDE 0100 of § 49 DA/6 and VDE 0100 part 703/2006-2 must be observed.
- Sauna heater and controller may only be used in sauna cabins made of suitable, low-resin, untreated materials (e.g. spruce).
- Only a sauna heater with the appropriate power output may be installed in the sauna cabin.
- Please provide air intake and vent openings in each sauna cabin. The air intakes must always be positioned behind the sauna heater, approx. 5 to 10 cm above the floor. The minimum dimensions of the air intake and vent openings are stated in the table.
- The duct vents are always to be positioned offset diagonally to the sauna heater in the lower area of the rear sauna wall. The air intake and vents may not be covered. Please observe the sauna cabin supplier's instructions.
- Only the control units specified herein must be used for the operation of the sauna heater. This control unit must be positioned at an appropriate point on the cabin outer wall; the associated sensor must be positioned inside the sauna cabin according to the installation instructions included with the control unit.
-  **Caution:** Covering the heater or an incorrectly filled stone container represent a fire hazard.
-  Every time before the sauna is used, ensure that no objects have been left lying on the sauna heater.
-  **Caution:** The high sauna heater temperatures generated during operation can cause burns.
- The sauna heater is not intended for in-

stallation or set-up in a niche, under a bench or under a sloping roof.

- Do not put the sauna heater into operation when the air intake is closed.
- The cabin lighting and the corresponding installation must correspond with the "splash protected" version in accordance with DIN EN VDE 0100 T 703. Therefore, only VDE-tested sauna light with max. 40 Watt may be installed in connection with the sauna heater.


 Only a locally certified electrician may connect the sauna facility (sauna heater, control unit, lighting etc.) to a fixed mains connection.

- All electrical installations and all connection lines that are installed inside the cabin must be suitable for an ambient temperature of at least 170 °C. If single-wire cables are used as connection lines, they must be protected using a flexible metal tube connected to the equipment grounding conductor. Please see the table for the minimum cross-section of the connection cable and the suitable cabin size in relation to the power input in kW.


- When installing the sauna heater, please ensure that the vertical clearance between the sauna heater upper edge and the sauna ceiling is maintained. Please see also the dimensions diagram for the clearance between the lower edge of the


sauna heater and the floor. On heaters with bases, this clearance is maintained via the base or legs of the device.

- Please always ensure that the sauna heater is never placed on flooring made of flammable material (wood, plastic flooring etc). Ceramic tiles are recommended as floor materials.
- Floor heating in the sauna cabin increases the surface temperature of the flooring.
- Please see the dimensions information for the respective sauna heater for the clearance between the heater protective grating or the bench and other flammable materials. The heater protective grating must roughly accord with the front height of the sauna heater.
- Please also observe the information and instructions provided by the cabin manufacturer.

 Please take precautions when cleaning components with sharp edges.

- Upright heaters need to be fitted on site with elements that prevent them from overturning.

 **Attention:** Pour the infusion water only on the sauna rocks and never anywhere else.

-  When using your sauna in a dry Finnish mode never add sauna essences or

place any herbs into the vaporizer holder for essences/herbs. **Fire hazard!**



• Never add more essences or volatile oils than advised on the packaging. Never use alcohol or undiluted concentrates. **Caution! Fire hazard!**

Electrical connection

Using the above-mentioned wiring diagram and the information on the wiring circuit adhered to the respective control system, your electrician will be able to connect the system without further instructions.

Please note that, for safety reasons, power cables may not be laid visibly on the interior walls of the cabin. Most sauna cabins have empty ducts fitted into the wall element with the air intake.

If no empty ducts are available in your cabin, drill a sufficiently sized hole in the cabin wall directly next to the place where the cable exits the sauna heater and guide this cable outside through the hole to the control unit. The cable, and all other connecting cables (mains power cables and cabin lighting), should be installed in installation ducts or also be protected against damage on the outside of the cabin e.g. by laying them in installation pipes or attaching wood cover strips.

The sauna heater may only be used in combination with a protective cover or S-guard system if operated by remote control*

**Remote control = Setting, control and/or regulation of the device by means of commands entered when the device is out of sight. Telecommunication, sound technology or bus systems can be used.*

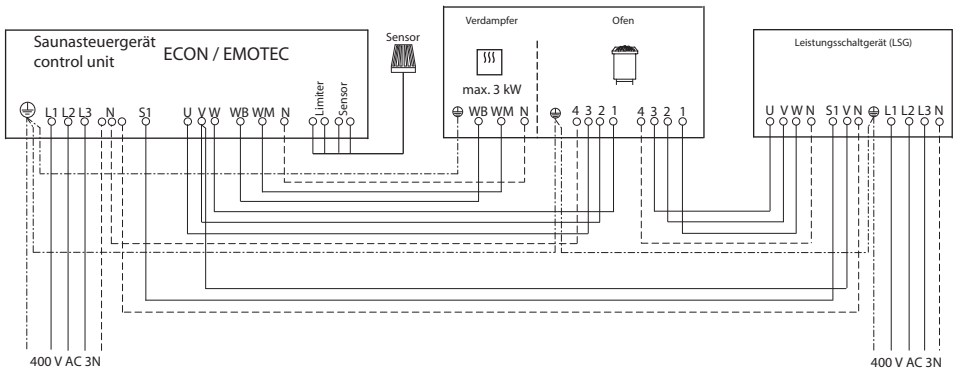
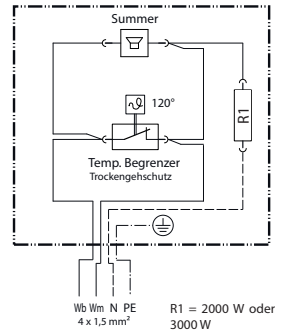
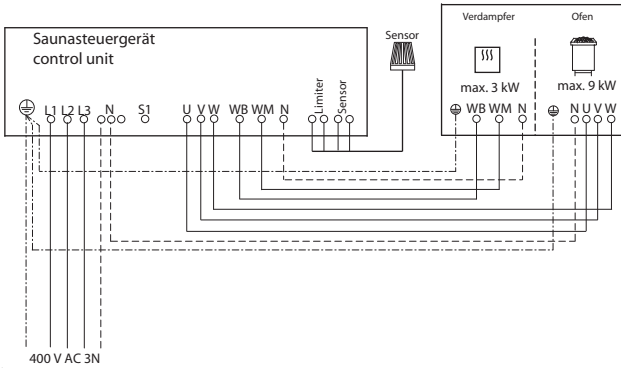
Caution!

Dear Customer,

In compliance with the valid regulations, only certified electricians may connect the sauna heater and the sauna control system to the mains power supply. Please note that you must provide a copy of the invoice from the electrical company who installed the sauna in case of a warranty claim.

Connection example of the Mythos Vapor

Vaporizer 2 - 3 kW



Attention! Always connect the neutral wire N!

Heater power rating	Power supply	Fuse protection, A	Fuse protection of power extension, A	Connection mains - control unit	Connection mains - power extension	Connection control unit - heater	Connection power extension - heater	Connection control u	
7,5 kW	3N AC 50 Hz 400 V	3 x 16		5 x 2,5		5 x 1,5			
9,0 kW									
12,0 kW			3 x 16		5 x 2,5		5 x 1,5	5 x 1,5	4 x 1,5
15,0 kW									

All information on cable cross-sections are minimum cross-sections in mm² copper line

Vaporizer power rating	Power supply	Water tank volume	Vaporizer dimension (H/W/D), cm	Vaporizer weight, kg	Connection control unit - vaporizer	To be used with control units
2,0 kW	230 V 1N 50 Hz AC	10 l	84 / 8 / 37	20,5 kg gross 13,0 kg net	5 x 1,5 mm ²	ECON D1, D2, D3, H1, H2, H3 EMOTEC DC9000 EMOTEC DC9000 DLF EMOTEC HCS 9003 EMOTEC HCS 9003 DLF EmoTouch II PB/AF/GF
3,0 kW						

All information on cable cross-sections are minimum cross-sections in mm² copper line

Installation

Delivery scope

- 1 vaporizer, inc. holder for essences
- 1 set silicone cable, black, 5 x 1,5 mm², 4 m
- 1 set sealing gaskets for the foot
- 1 installation kit (mounting brackets, screws)

Specifications

Voltage: 230 V AC 1N 50 Hz

Power: 2000 W or 3000 W

Height: 840 mm

Width: 80 mm

Depth: 370 mm

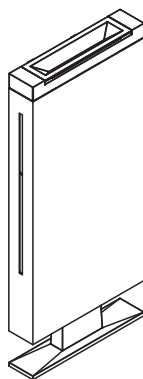
Water filling: max. 10 l

Water pressure: 0 bar, open type

Vaporizer for use in domestic and commercial sauna cabins in connection with the Mythos S35 or S45 sauna heaters.

The sauna heater if equipped with remote control* may be only used in connection with an appropriate cover protection or the S-Guard system.

***Remote control – means settings, switching, control and adjustment of the sauna control unit by means of commands transmitted from a remote location beyond sight distance using telecommunication, wire- or wireless signal transmission systems, network and similar systems.*



Mythos vaporizer

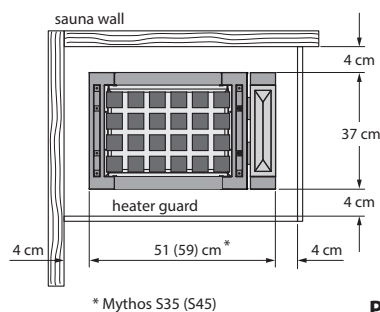
The vaporizer has been designed for a connection voltage 230V 1N AC via a sauna control unit.

Minimum clearances

Make sure to observe the minimum clearances (please refer to the manual of the heater). Pay particular attention if you add the vaporizer to the already installed Mythos sauna heater.

The horizontal (lateral) clearance between the sauna heating unit and the cabin wall is at least 4 cm (Pic. 1).

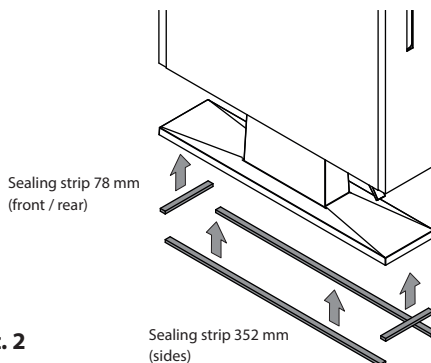
The distance between the oven safety grid or recliner bench and other flammable materials and the sauna heating unit is at least 4 cm. The safety grid height must be approximately equal to the frontal height of the sauna heating unit.



Pic. 1

Installation of sealing strips

Before connecting the vaporizer to the sauna heater, glue the self-adhesive sealing strips along the bottom of the vaporizer's foot (Pic. 2). Remove the protective foil on each strip and press the strips into the corresponding grooves along the bottom of the foot.



Pic. 2

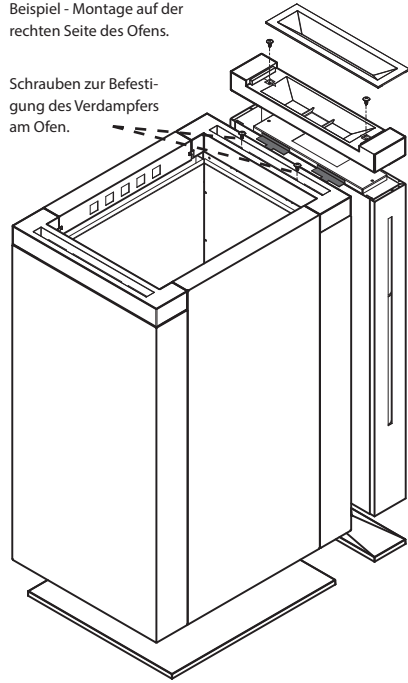
Connection to Mythos sauna heater

The vaporizer may be mounted on the left or on the right side. The installation side shall be made known by ordering. Later change of the installation side is not possible.

- Take off the top cover (remove 2 screws) and insert the supplied mounting brackets into the corresponding grooves (joints) on the inner left or right side towards the heater (depending on the installation side). Press them in firmly. Mount the top cover back on the vaporizer with 2 screws (Pic. 3). Pay attention to the possibly necessary installation of the mounting brackets for the guard rail (page 10).
- Place the vaporizer at the appropriate side of the heater. Move the vaporizer carefully towards the heater, so that the tongues of the mounting brackets on the vaporizer get into the corresponding slots on the heater side (between the side panel and top cover of the heater). The holes in the tongues should be aligned with the mounting holes in the top cover of the heater. See pic. 4 - 5 for details.

Beispiel - Montage auf der rechten Seite des Ofens.

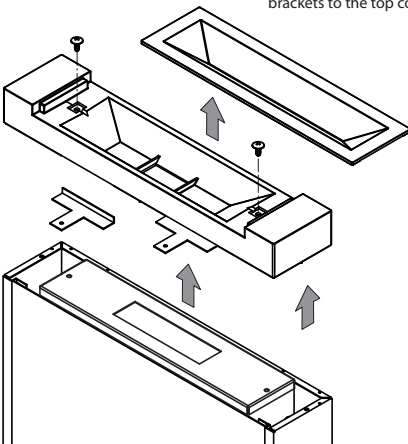
Schrauben zur Befestigung des Verdampfers am Ofen.



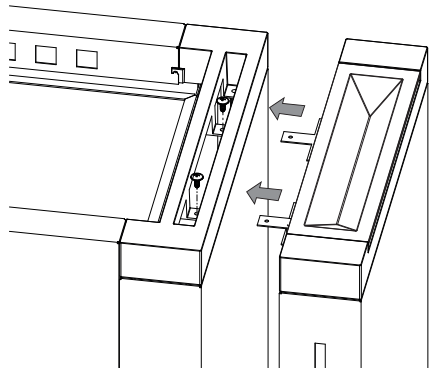
Pic. 4

- Now connect the vaporizer to the heater through these holes with 2 screws through these Bohrungen. An approx. 1 cm wide gap shall remain between the heater and vaporizer. Make sure the connections are tight.

Connection of the mounting brackets to the top cover.



Pic. 3



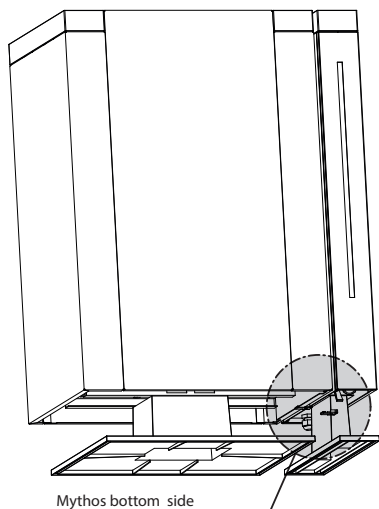
Pic. 5

Connection to Mythos sauna heater

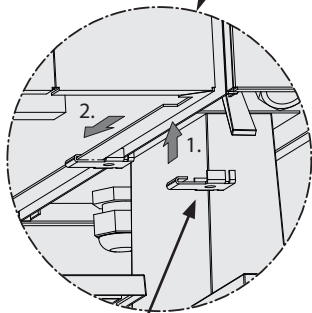
In order to ensure a stable and parallel connection of the vaporizer to the heater, the vaporizer should be connected to the heater also on the bottom side with the special clamp.

Insert the clamp on the bottom side on the heater's side panel through the cut-out in the metal sheet (step 1 on pic. 5b). Slide the clamp to the middle of the side panel (step 2, pic. 5b).

The side panel of the vaporizer should be inserted into the corresponding groove in the clamp.



Mythos bottom side



connection clamp

Pic. 5b

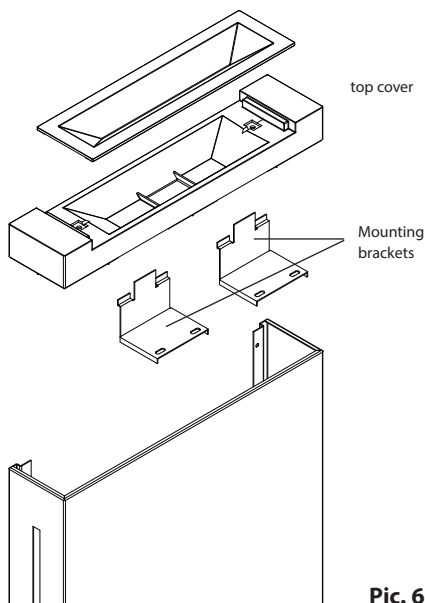
Connection of the guard rail and stabilization of the vaporizer

The Mythos / Mythos Vapor heaters may be fitted with an optional wooden guard rail. This guard rail serves as a protection against accidental touching of the heater and also stabilizes the vaporizer during operation against vibrations.

For installation take off the top cover of the vaporizer by removing 2 screws. Mount two mounting brackets on the outer side of the top cover by inserting them into the holding grooves inside. Press the brackets firmly to connect them reliably. See pic. 6 for details. Mount the top cover back on the vaporizer. In the same way install the mounting brackets on the opposite side of the heater.

In order to stabilize the vaporizer a wooden guard rail should be mounted to the brackets and connected to the sauna wall. The wooden rail may have an individual design but should comply with the given minimum clearances (Pic. 1).

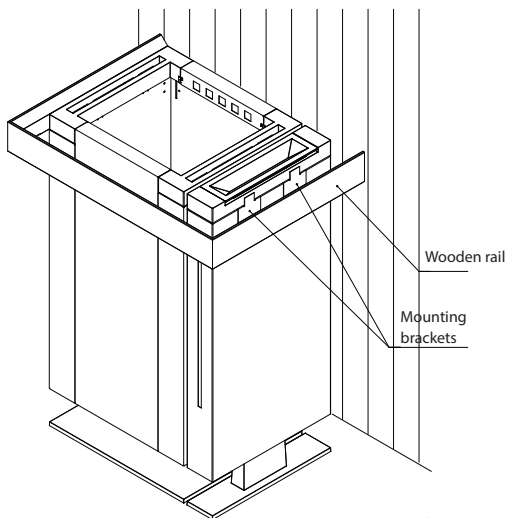
The pic. 6b shows an example of such wooden guard rail connecting the Mythos Vapor sauna heater to the sauna wall.



Pic. 6

A wooden guard rail for connection to the sauna wall and stabilization of the heater is available as an optional accessory.

By installations in front of a glass wall or in central position without such guard rail an alternative way of stabilization should be used.



Pic. 6b

Electric connections

The Mythos vaporizers are delivered with the pre-mounted connection cable (heat resistant silicone-coated cable).

After the installation of the vaporizer draw the cable to the sauna control unit (or to the optional power extension unit). The connection diagram is given on page 7 of this manual and in the installation instruction of the sauna control panel or power extension unit (LSG).

Dry „Finnish“ sauna operation

In this form of operation the vaporizer is not in use. **It is imperative to ensure that no herbs or essences are in the essence holder, because they may dry out quickly and catch fire.** Essences or any other kind of additives should be added to the water only in proportion according to the manufacturer's instructions.

By making an infusion do not pour the water on the rocks too quickly. Pour the water slowly over the entire surface of the rocks, this will ensure that the water vaporises completely so that the infusion can take full effect.

Never add more essences or additives to the water being poured as indicated on the packing. Never use alcohol or undiluted essences. Danger! Risk of fire!



Attention: Always pour the water over the stones and not over other parts of the heater.



By using a dry „Finnish“ sauna never put herbs or any additives into the vaporizer essence holder. Risk of fire!

Humid sauna operation only by „Vapor“ models with vaporizer

The Mythos heaters are optionally available with a 2 kW or 3 kW vaporizer, which may be mounted on the left or right side of the heater.

The switching between dry or humid sauna bath is made with the sauna control unit. Pay attention to the important notes in the section „**Operation with vaporizer**“.

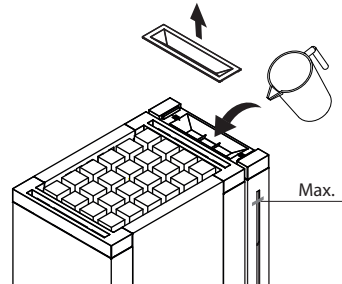
Filling the vaporizer with water

The vaporizers of the Mythos series are designed for manual filling.

The water tank shall be filled through the top opening (steam output). Take off the essence holder on the top and pour the water into the tank. Observe the marking for the maximum

water level on the front water level display. This display shows you the current water level in the tank. See pic. 7 for details.

Optionally the Mythos Vapor heaters may be fitted with the automatic refilling and water level control device FWA01 Compact (option-



Pic. 7

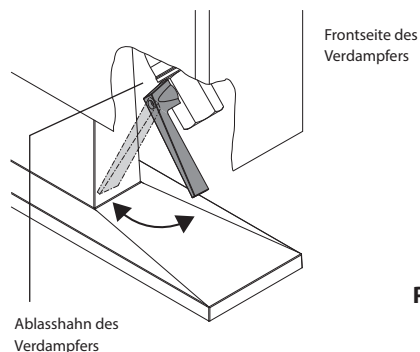
al equipment). With this device the water tank will be refilled automatically through the permanent water connection.

Draining the vaporizer

The water tank may be drained through the drain valve located at the bottom of the vaporizer (front side). Move the lever to the left to open the drain valve. See pic. 8 for details.

Do not leave the vaporizer filled with water for unnecessarily long time. The remaining water shall be drained after each use to reduce the scale building inside the tank.


Observe the advice regarding the descaling of the vaporizer in the section „**Operation with vaporizer**“.



Pic. 8

Operation with vaporizer

(only for Bi-O / Vapor heaters)

 Please clean the vaporizer in advance before the first use.

The control of the vaporizer is managed by the control unit. The humidity level is controlled either proportionally (time basis) or in the case a humidity sensor is connected it is controlled basing on the relative humidity value.

Please note that the relative humidity varies greatly due to the varying temperature distribution in the cabin. The readings of the hygrometer and the readings at the control unit can for that reason be very different.


Make sure that sufficient water is in the water tank of the vaporizer before use.


Never add essences, oils or herbs directly to the water tank; instead add these to the herbal bowl on the holder of the vaporizer.


The volatile oils released from essences are carried with the hot rising steam and will be distributed throughout the cabin.

In the case of the low water level in the water tank during operation a buzzing signal indicates the water shortage. To continue your sauna session, you have to refill the tank after a 5 minutes stop of the sauna control or after switching to Finnish (dry) sauna for 5 minutes.

The heating element in the vaporizer must cool down for 5 minutes before cold water is refilled.


 **Never pour water on the glowing heating elements. Besides of the danger of scald, the heating element could be damaged. Fill in the water up to the upper water level marking.**


 **Add herbs and essences to the herbal bowl only. Do not pour essences into the vaporizer tank!**

 **By adding essences or any other additives for air humidity, a health hazard cannot be removed. It is advised not to use those ad-**

ditives apart from the recommended ones by the manufacturer of the oven.

If additives are put in the water, this generally leads to a foaming of the water. In this case the water must be drained and the interior of the cold reservoir washed out with a cloth soaked in alcohol or mineral spirits. Even small remainders of essences in the vaporizer will change the natural molecular structure of the water.

 **Attention: Risk of scalding at the steam outlet. Essences and herbs are to be placed in the herb dish only.**

 **Caution by control units with after-heating mode! Never leave herbal bags in the herbal bowl during the after-heating mode after a humid (steam) operation. These may dry out rapidly in this case and a present a fire hazard! For fire safety reasons only herbs in perforated aluminium bags may be used.**

De-scaling of the vaporizer

Consult your water company to determine the hardness level of your water. In areas with hardness level 1 (0-8,4° German hardness levels - soft water), the system generally works without special precautions and must be de-scaled only occasionally when necessary.

Should your water lie within the hardness levels 2-3 (hard water), the vaporizer must be de-scaled regulary (in accordance with the hardness level). Control the vaporizer on regular basis!

To descale the vaporizer add the de-scaling liquid (descalers for household appliances are generally suitable), which is suitable for aluminium, to the water in the vaporizer in accordance with manufacturer's instructions. Bring the water and de-scaling product mixture to a boil for about 10 minutes and allow to cool. After cooling, drain the mixture from the vaporizer and rinse at least twice with clear water. Note also the instructions given by the de-scaling product manufacturer.

Please keep this address in a safe place together with the installation guide.

To help us answer your questions quickly and competently please provide the information printed on the type shield including the model, item no. and serial no., in all inquiries.

Service Address:

EOS Saunatechnik GmbH
Schneiderstriesch 1

35759 Driedorf, Germany

Tel: +49 (0)2775 82-514

Fax: +49 (0)2775 82-431

servicecenter@eos-sauna.de

www.eos-sauna.de

WARRANTY

The warranty is provided according to the legal regulations at present.

Manufacturer's guarantee:

- The period of guarantee starts from the date of purchase and lasts up to 2 years by commercial use and 3 years by private use.
- Always include the completed guarantee certificate when returning equipment.
- The guarantee is void for appliances which have been modified without manufacturer's explicit agreement.
- Damages caused by incorrect operation or handling through non-authorized persons are not covered under the terms of guarantee.
- In the event of a claim please indicate the serial number as well as the item number and model name with detailed description of the fault.
- This guarantee covers defective parts and labour but not the defects caused by wear and tear.

In case of complaint please return the equipment in its original packaging or other suitable packaging (caution: danger of transport damage) to our service department.

Always include the completed warranty certificate when returning equipment.

Possible shipping costs arising from the transport to and from point of repair cannot be overtaken by us.

Outside of Germany please contact your specialist dealer in case of warranty claims. Direct warranty processing with our service department is in this case not possible.

Equipment commissioning date:

Stamp and signature of the authorized electrician:

Handling procedures for return shipments (RMA) - Details for all returns !

Dear customer

we hope that you will be satisfied with the purchased EOS product. In the rear case if you may have a claim and will need to return a product, please follow the procedures specified below. This will enable to ensure a quick and effective handling of the return shipment.

Please observe for all returns!

- Please add the provided **RMA-voucher completely filled out** together with an **invoice copy** to the return shipment! Do not stick it on the goods or on the packaging. **We do not accept return shipments without these papers.**
- Not prepaid parcels **will be refused** and returned to Sender! Please always ask your dealer or EOS service department about the most economical return shipment way.
- **Please pay attention that** the goods have to be sent back in the **original scope of delivery** and in **original packing**.
- We recommend to use an **additional solid and break-proof covering box** which should be padded out with styrofoam, paper or similar. Transport damages as a result of faulty packing are for the sender's account.

Form of complaint:

1) Transportation damage

- Please check the content of your parcel immediately and advise the forwarding company of a claim (parcel service/ freight forwarder)
- Do not use damaged goods!
- Ask the forwarder **for a written acknowledgement of the damages.**
- **Report the claim promptly by phone to your dealer.** He will discuss with you how to act in this case.
- If the transport box has been damaged, please use an additional covering box. Do not forget to add the **acknowledgement of the damage of the forwarding company !**

2) Faulty goods

- The implied warranty period is 2 years. Please contact your dealer in case of **faulty or wrong articles or missing accessories.** He will discuss with you the individual case and try for immediate and customer-friendly solution.
- For **economic returns** within Germany you will get an **RMA-number from the manufacturer.**
- All returns have to be in the **original packing of the goods with corresponding accessories.** Please repack the goods to avoid damages. In case of wrong delivery, please do not use this article .

3) Problems of installation and functioning

- Please **read the manual carefully first of all** and pay attention to the indicated assembly or installation instructions.
- **Your dealer should be the first contact person** because he knows his products best and also knows possible problems.
- **In case of function problems with an article,** please check at first whether there is an obvious material defect. The quality system in our factory reduces malfunctions of new appliances to almost zero.