

Supplementary vaporiser



GB Assembly and operating instruction

MADE IN GERMANY



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Dear customer,

You have purchased a high-quality technical device with which you will have years of sauna bathing 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 recreation time and eventful sauna bathing!

Appropriate use

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

Any other use over and above the intended purpose is not considered as appropriate use! Maintenance 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 observe 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 observe 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.

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.


Important notes



Unprofessional installation may cause a fire hazard! Please read these installation instructions through carefully. In particular, please observe the dimensions stated and the following notes.

- This unit is not intended for use by people (including children) with limited physical, sensory or mental abilities or with no experience and/or insufficient knowledge unless they are supervised by an authorized person or were given instructions on how to use the unit.
- Children should be supervised to make sure that they will not play with the unit.
-  The assembly and connection of the humidifier, sauna heater, control unit and other electrical operating resources with a fixed mains connection may only be carried out by a specialist. The necessary protective measures according to VDE 0100 of § 49 DA/6 and VDE 0100 part 703/2006-2 must be observed.
- Sauna heater, humidifier and control units may only be used in sauna cabins made of suitable, low-resin and untreated materials (e.g. Norway spruce).
- Only one sauna heater with the required heating performance 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.. You can find the minimum dimensions of the air intake and vent openings in the table.
- The 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 must not be closed up. Please observe the sauna cabin supplier's instructions.
- One of the subsequently specified control units must be used for the regulation or control of the sauna heater with the humidifier. This control unit must be positioned at an appropriate point on the cabin **outer wall**; the associated sensor casing is to be positioned according to the installation instructions included with the control unit in the sauna cabin interior.
-  **Caution:** Covers or stone containers which have not been filled correctly are a fire hazard.
-  Before every start-up, please ensure that no objects have been left lying on the sauna heater or the humidifier.
-  **Caution:** High sauna heater temperatures occurring during operation can cause burn injuries.
- The cabinet lighting with the corresponding installation must correspond with the "splash protected" version in accordance with DIN EN VDE 0100 T 703. A VDE-tested sauna light with max. 40 Watt must therefore be exclusively installed in connection with the sauna heater.
-  **The sauna facility (Sauna heater, control unit, lighting etc.) may, with a fixed mains connection, only be connected by a locally certified electrician.** 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 lines are used as connecting cables, these must be protected with a flexible metal tube that is connected with a protective ground wire. • Under-floor heating in the sauna cabin means a higher flooring surface temperature.
- Please see the dimensions for the respective humidifier 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 humidifier.

- Please also follow the information and instructions provided by the cabin manufacturer.
-  Please take your own personal measures when cleaning components with sharp edges.

Electrical connection

Your electrical fitter will be cable to carry out this work without further explanations according to the above-mentioned wiring diagram and the scheme attached to the respective control unit.

However, please observe that power cables must not be laid so that they are visible in the cabin interior walls for safety reasons. Most sauna cabins therefore already have ductwork in the wall element with the air intake.

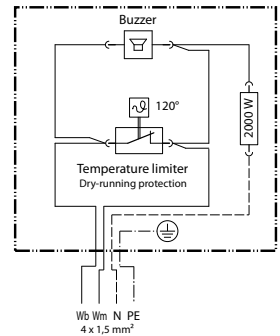
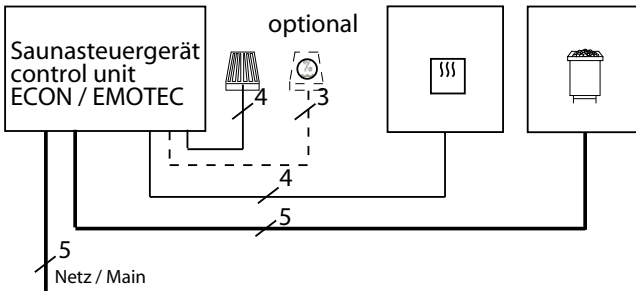
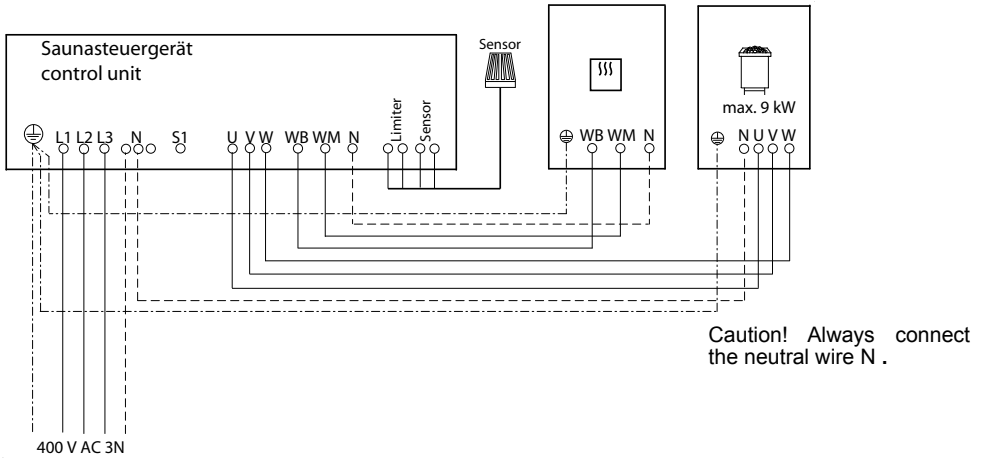
If no empty pipes are available in your cabin, drill a sufficiently sized hole in the cabin wall directly next to the humidifier where the cable exits the humidifier and guide this cable outside through the hole to the control unit. The cable, and all other connecting cables (mains power cables and cabin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

Caution!

Dear customer,

In compliance with the valid regulations, the electrical connection of the humidifier as well as the sauna control may only be performed by a certified electrician if using fixed connections to a mains supply. Therefore we would like to remind you here that you must provide a copy of the invoice for the electrical company carrying out the work in case of a warranty claim.

Connection example for a sauna system



Technical data

Voltage: 230 V 50 Hz
 Power: 2 kW:
 Connection: above sauna control unit
 Height: 600 mm
 Width: 310 mm
 Depth: 140 mm
 Water pressure: 0 bar, open construction
 Filling volume: max. 5 l

For use with sauna control units:

ECON H2
 EMOTEC HCS 9003
 EMOTEC HCS DL/DB/DLF
 EmoTouch PB/AF/GF
 InfraTouch

Assembly of extra evaporator

Screw the four fixing screws into the wood at the designated installation positions in accordance with illustration 2. Make sure that the screw head remains approx. 6 mm away from the wood. Now suspend the extra evaporator into the fixing holes and secure on the bottom side with the fixing screw in the left or right hole (illustrations 3 + 4).

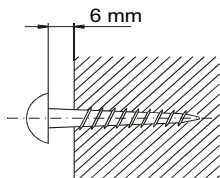


Fig. 1

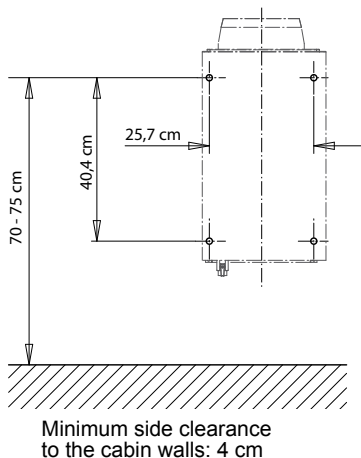
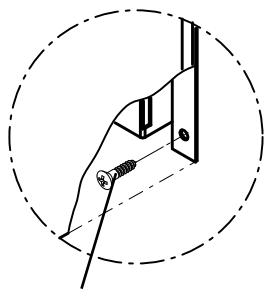


Fig. 2



Fixing screw

Initialization

Make sure that the drainage tap on the unit is closed.

Now fill a maximum of 5 liters of water into the container. You can remove the herb sieve for this.

Do not add any essences or essential oils to the water. The herb bag can be placed over the herb bowl of the outlet nozzles. Essential oils are put in the bowl supplied. The additives evaporate when heated and mix with the rising steam. Drain off any residual water after each use after the unit has cooled down.

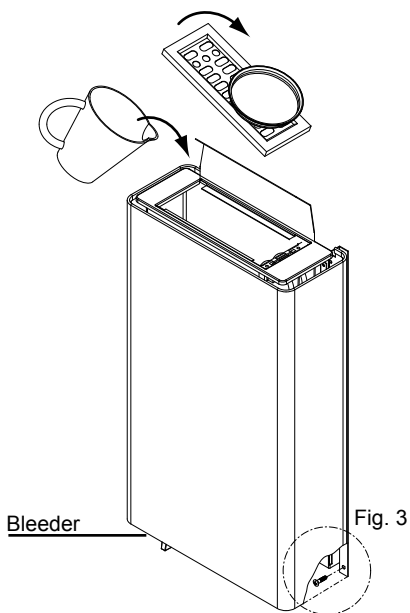


Fig. 4

Operation with evaporator

Regulation of the evaporator takes place using the control unit. You either receive a moisture value that is regulated with a target-actual comparison on the sensor or determined by a time unit.

Please be aware that the relative moisture values vary greatly depending on the different distribution of temperatures in the cabin. The display on the hygrometer and on the control unit display can therefore be very different.

Make sure that enough water is in the storage tank.

When filling the evaporator, make sure that no water can boil over from the evaporator when in operation.

Therefore fill the evaporator tank up to a maximum of four centimeters above the upper edge.

Never add essences, essential oils, substances containing salt or herbs to the water; place it in the evaporator bowl on the lid of the evaporator.

The essential oils released by the hot, rising steam are automatically distributed inside the cabin with the rising steam.

If the water tank is empty, a buzzer sound tones to inform you that the water level is low. If you want to carry on bathing, you can add water to the storage tank once the control unit has been set to "stop" or "Finnish sauna" for 5 minutes. The heating rod in the evaporator must cool down for approx. 5 minutes before cold water is filled.



Never fill water onto a heating rod if it is still hot. Damage may be caused to the heating rod, as well as there being the danger of scalding.



Caution!!
Danger of scalding at the steam outlet Only add steam bath essences in the evaporator bowl. Do not use a sauna infusion extract!



Health risks cannot be ruled out adding new aromatic substances or other additives for humidification. We must advise against the use of these additives unless they are expressly recommended by the unit manufacturer or sauna supplier.

If additives have been accidentally added to the water, this generally leads the water foaming and boiling over.

If this happens, the water must be drained off and the inside of the cold container must be rinsed out with a cloth soaked in alcohol or spirit. Even tiny residues of essences on the evaporator wall change the natural structure of water.



If you use herb bags or loose herbs, these can overheat - especially if vaporization does not take place. Take care with control units with a post-heating period. Risk of fire!

Due to safety reasons, only herbs in laminated aluminum bags are to be used.

De-scaling the evaporator

Contact your water supply company and ask about the hardness level of your water. In hardness level I (1-7 German hardness level), the unit generally works without any problems and only has to be de-scaled as required.

If your hardness level is in the range of II - IV, the evaporator must be de-scaled from time to time (depending on the hardness level).

Add de-scaler for household appliances according to the manufacturer's details to the water. Boil the water/de-scaler mixture for approx. 10 minutes and then leave it to cool down. After cooling, drain the mixture out of the evaporator and rinse with clear water at least twice.



Caution! For all cleaning or maintenance work, when changing parts or accessories and when addressing operating faults, the unit must be disconnected from the mains.

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

To help us answer your questions quickly and competently, please provide data printed on the ID plate, to include system type, article no. and serial no., in all inquiries.

Service Address:

EOS-WERKE GÜNTHER GmbH
Adolf-Weiß-Straße 43
35759 Driedorf-Mademühlen, Germany
Fon: +49 (0)2775 82-0
Fax: +49 (0)2775 82-431
servicecenter@eos-werke.de
www.eos-werke.de

Guarantee

The guarantee is taken over according to the legal regulations at present.

Manufacturer's warranty

- The period of warranty starts from the date of purchase and lasts up to 2 years for commercial use and 3 years for private use.

- Always include the completed warranty certificate when returning equipment.

- The warranty expires 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 warranty.

- In the event of a claim, please indicate the serial number as well as the article code number and type name with expressive description of the fault.

- This warranty covers damaged parts but no defects due to 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 borne 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 start-up 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 rejoice in the ordered articles. Just in case that you are not entirely contented as an exception, please follow the procedures specified below. This enabling us to ensure a quick and smooth handling of the return shipment.

Please absolutely respect for all returns!

- Please add the available **RMA-voucher** always **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 the return shipment without these papers.**
- Not prepaid parcels **will be refused** and returned to Sender! Please always ask for the **RMA-No.** for the cheapest return.
- **Please pay attention that** the goods have to be sent back **without visible marks of use** 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) Transport 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 installing 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.