

SteamTec Classic



 **Assembly and operating instruction**

Made in Germany

 **IP x4**



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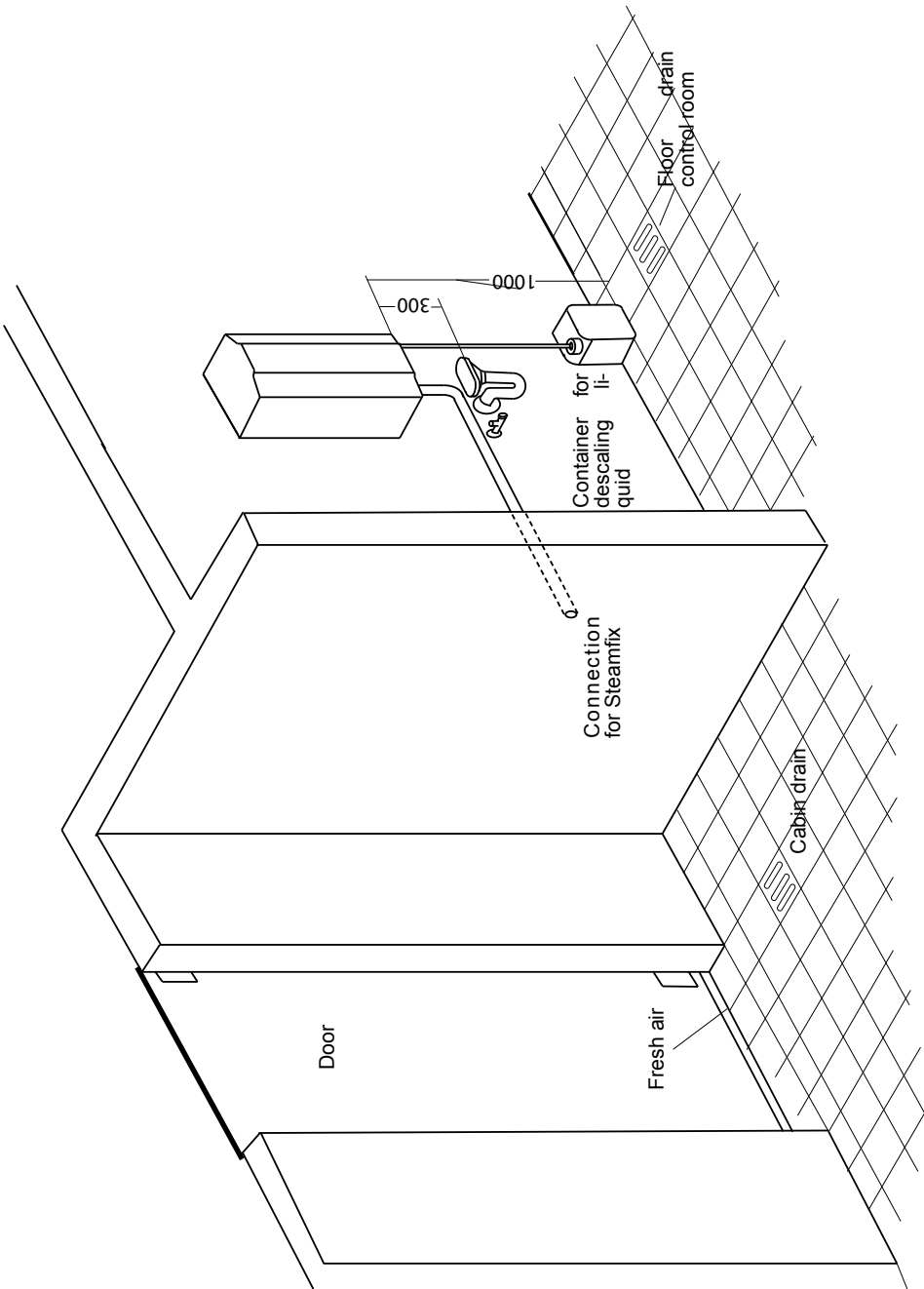
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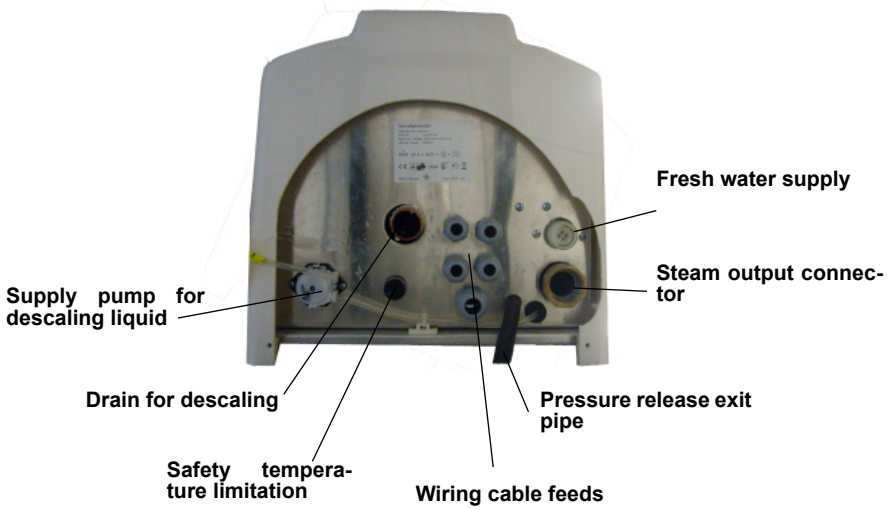
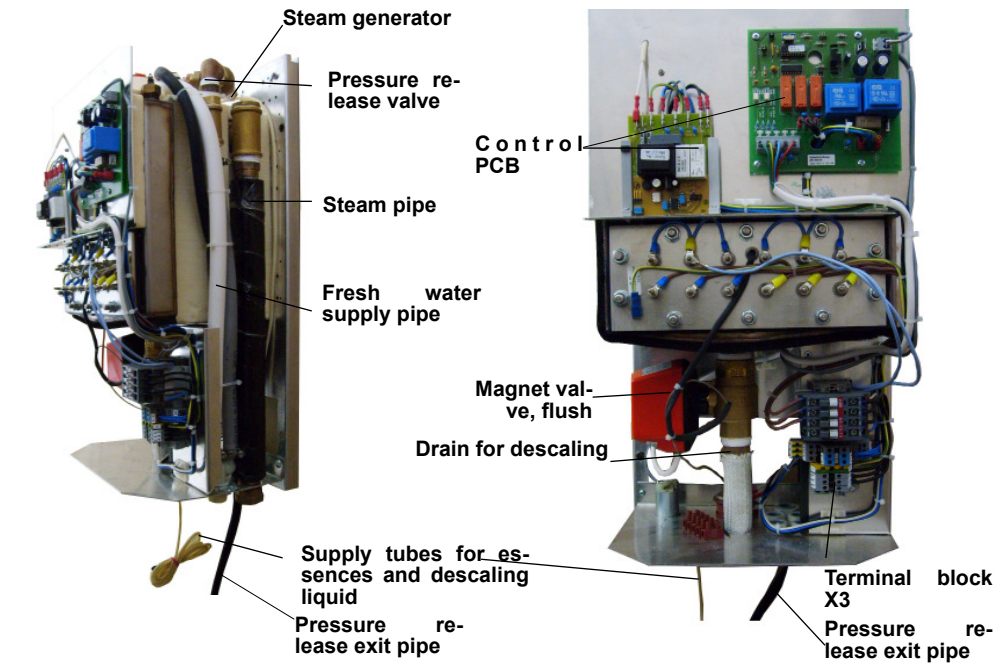
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Plan







- Before you put the sauna up please read these instructions carefully and keep them for reference in a safe place.. You will find a great deal of useful advice on how to set up your sauna safely and expertly.
- After you have unpacked everything, please check carefully that no part of the steam generator is missing or damaged during transport. EOS does not accept any liability for any damage that has occurred in transit during storage.

Delivery includes:

- Steam generator
- wall mounting template
- 4 screws 45 x 40
- 4 dowels M8
- Union 1" - 35 mm
- 0.5 m steel-coated pressure tube 3/8 - 500 - 3/4
- 0.4 m flex tube 28 - 22
- 5 L container for descaling liquid with level probe
- Owner's manual

1. Erecting the frame

Complete the building according to the plans.

1.1.Fresh water and dirty water

The way in which the pipes for the fresh water and the dirty water are positioned should be done with the help of the drilling template which is included with the materials

1.2.Electrical wiring

The electrical wiring must take into full consideration the requisite conductor cross-section. The mains electricity must be connected in accordance with DIN VDE 0100. There must be a separate circuit for the system. The steam generator must have a separate FI switch (I Δ = 30 mA) for safety reasons so that the equipment has a circuit breaker with a contact opening of at least 3 mm from the mains supply. The electricity should be connected to the mains only by a qualified electrician.

X = This area is for the cable duct piping to be used for the electricity supply lines (control panel, temperature sensor, etc.)

Technical specifications

Equipment	Output Voltage in kW	Nominal Voltage	Fuse in A	Cross-section in mm ²
SteamTec Basic	4,5	400 V 3 N AC 50 Hz	3 x 16	5 x 2,5
	6,0			
	9,0			

It is advisable to use the drilling template so that all the connections that are connected to the steam generator can be drawn through correctly. For the connection to the generator you will require a cable that is about 0,5 m long.

1.2. Connection cables

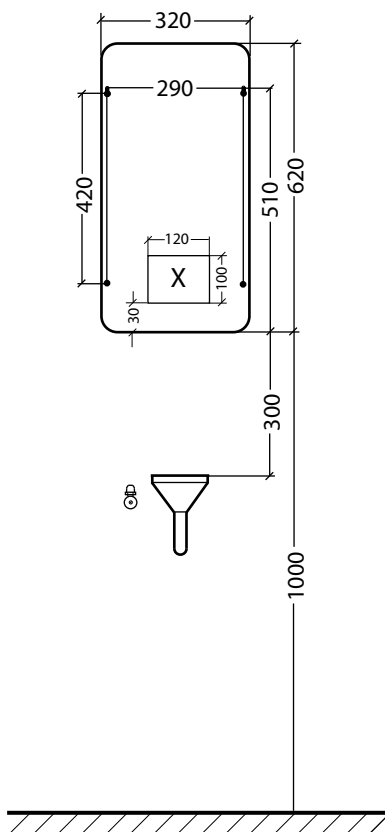
The steam generator is controlled by the sauna control unit of your sauna system.

Use one of the following control units for this purpose:

- EMOTEC HCS 9003
- EMOTEC HCS 9003 DB/DL
- or EMOTOUCH

always only in connection with the optional humidity sensor.

A cable $5 \times 1.5 \text{ mm}^2$ is required to connect the control unit to the steam generator.



1.3. The steam pipe

For all types of steam generator the steam pipe must always be either of copper or high-quality stainless steel (min. $\varnothing 22 \text{ mm}$, we recommend $\varnothing 35 \text{ mm}$ in order to reduce the noise level) and when it is being installed sharp bends must be at 90° in $2 \times 45^\circ$ bends. The steam pipe insulation is best completed with either Isover, Armaflex HT or similar materials that are 25 - 30 mm thick.

When the steam pipe is being fitted care must be taken to ensure that it inclines towards the steam outlet so as to prevent any blockage through condensation (water bag). The steam pipe must be no longer than 5 metres. Pressure must not be allowed to build up inside the steam pipe.

1.4. Aeration and ventilation

Care must be taken that the room where the steam cabin is set up is sufficiently aerated and ventilated.

Connection to a central ventilation system is not recommended due to possible condensation formation.

2. Final assembly

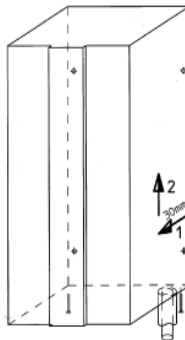
2.1. Dismantling the steam generator hood

- Below the steam generator there are two 32 x 16mm screws that must be unscrewed from the hood.



Make sure that the hood is connected to the steam generator through the cables to the display panel. To remove the hood, loosen the plugs on the connection cable.

- The assembly drill holes must be drilled in the wall with the help of the template.
- Place the top screws in their dowels and tighten them to 5mm from the wall.
- Hang up the steam generator and then tighten the lower screws.



2.2. Connecting to the water supply and drain



Important Notes:

The regulations of EN 1717 and/or DIN 1988 Part 4 must be attended. Appropriate measures must be taken that prevent the water from running back into the drinking water pipeline. For this, especially pipe isolators or system isolators are appropriate. If necessary, ask your drinking water supply company or your local sanitary expert.

- Screw on the flex-hose with the stainless steel woven casing already on the steam generator onto the mains water supply (3/8").
- The water tank will be drained automatically during the flush programme

2.3. Steam connections

- Connect the steam pipe with the RG screw (1" x 35) to the steam generator.
- You can fix the steam exit either on the right-hand side or below the steam generator.
- Connect the Steamfix of the sauna heater to the pre-installed 5/4" x 35 sleeve.

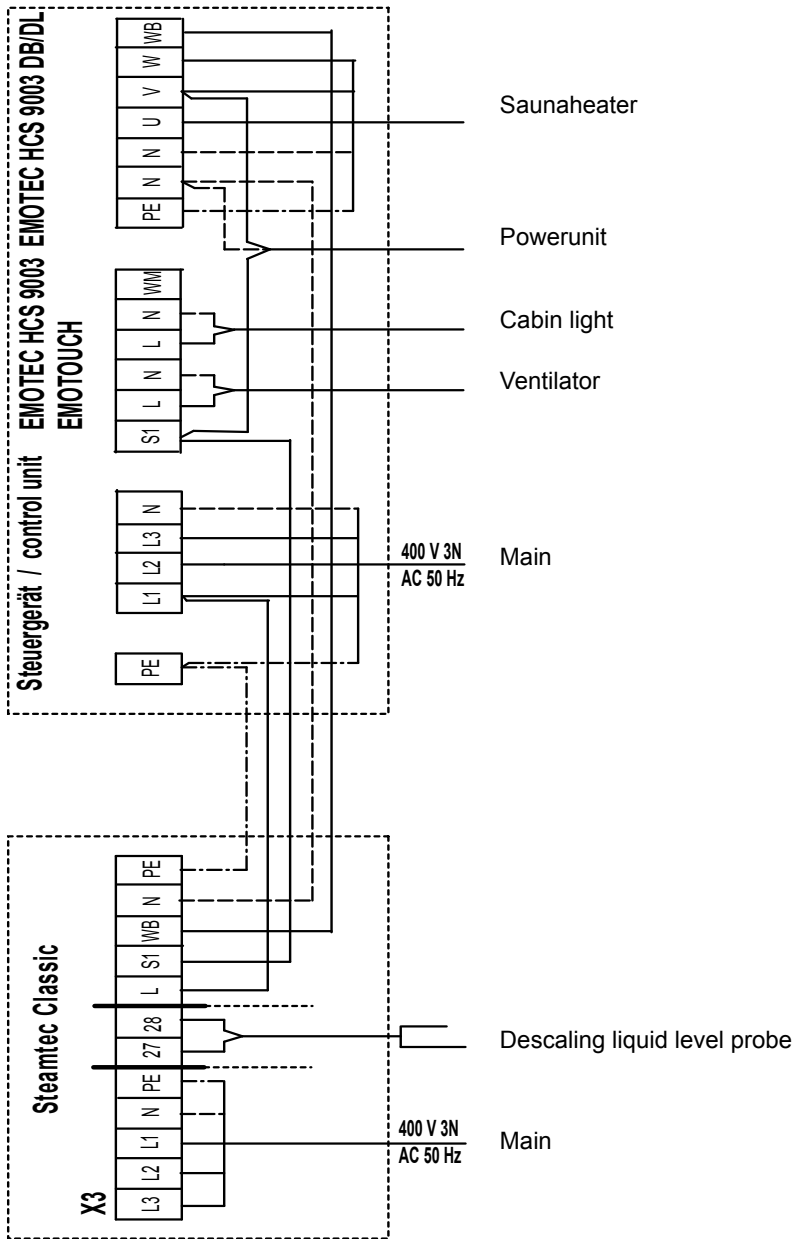
2.4. Connecting to the mains

When the mains are connected it is essential to comply with the local VDE EVU requirements as these currently apply. The mains must be connected and checked by a fully qualified electrician to ensure that the applicable norms are adhered to in full.

- Route all the electric cables from below through the PG screw connections or through the rear wall.

Now connect the steam generator according to the following terminal diagram.

Terminal diagram



2.5. Fitting the hood for the steam generator

Insert the connection cable to the display panel again and fit the hood in place.

Use the two screws to fix the steam generator hood under the the casing.

3. Service

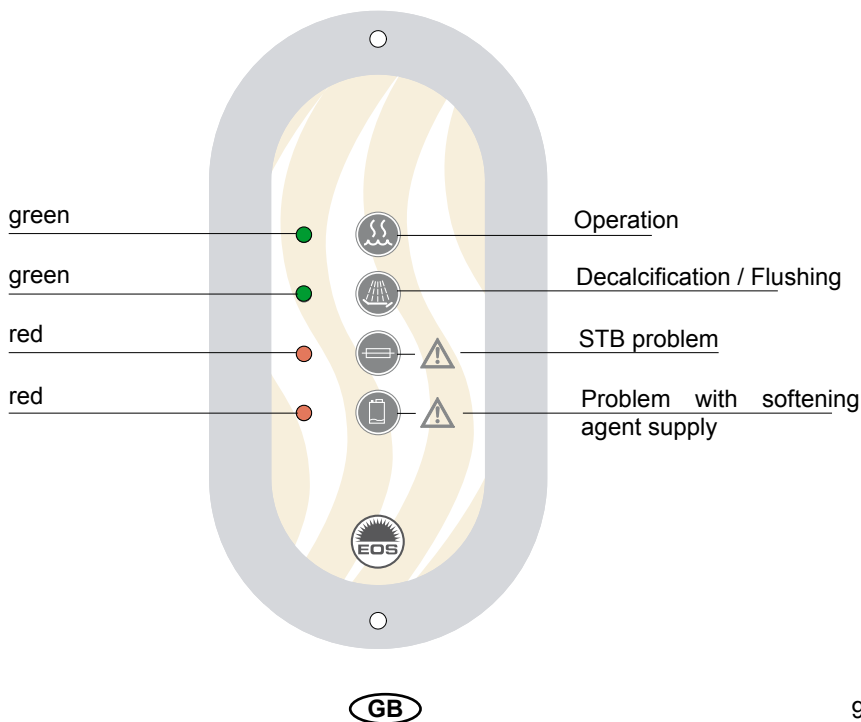
- Please note that all the work must be undertaken only by fully qualified persons.
- Before any servicing is started the steam generator must be disconnected from the mains.
- By further questions and technical queries please contact your local EOS dealer.

4. Operation

The Steamtec Classic is controlled by the sauna control unit belonging to the sauna heater.

More information can be found in the operating instructions for your sauna control unit.

You will find the following display panel on the steam generator



The LED „operation“ lights up when the sauna equipment is in operation, independently of whether the steam generator is working or not.

The steam generator is equipped with an overheating protection feature (Safety Temperature Limiter (STB in German)). If this STB reacts, the steam generator switches off and the red LED „STB problem“ lights up on the display panel.

In this case, wait briefly until the steam generator has cooled down. Disconnect the sauna control unit from the mains for about 5 seconds (switch off fuses or FI switch). The device now works normally again. If the fault occurs again, have the device checked by your authorised EOS partner.

3. Flushing and decalcification

The development of lime scale deposits due to hard water in the tank and on the radiators reduces quite considerably the life of the heating rods.

We recommend that you use a chemical water softener with the steam generator (as an extra) so as to prevent lime scale from developing.

The steam generator is equipped with a fully automatic self-cleaning system (flushing and descaling), which may be programmed at site to match the local water quality.

The flushing or decalcification process starts automatically after a delay of 30 minutes after the steam generator has been switched off. The green LED „Decalcification / flushing“ lights up on the display panel.

Whenever the decalcification programme is run, the tube pump will fill up the steam tank with approximately 100 ml of softening agent.

This will be allowed to work for about 30 minutes and then the water with the lime scale in it will be drained out through the electr. ball valve.

The flushing valve flushes the container a second time, the ball valve will close and the flushing programme will come to an end.

The running time for the flushing programme is about 35 minutes.

The steam generator cannot be switched on during this time.

Check regularly if there is still enough of the cleaner / descaling liquid in the container. When the level in the container remains unchanged over a longer time this may indicate a failure in the cleaning system. Check the steam generator immediately to prevent damages from the scale building inside water tank.

If the softening agent supply has been almost used up, the red LED „Problem with softening agent supply“ lights up on the display panel.

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.