

Mounting and Operating Instructions Mill Wheel for Mill-Sauna




GB



Dear customer,

The mill wheel and the sauna heating device together make up our mill-sauna.

You have purchased a technical device of premium quality which has been designed according to all current European safety standards and manufactured according to the quality standard EN DIN ISO 9001.

For your information we created this detailed mounting and operating instructions. We would like to ask you to pay particular attention to our important notes highlighted with  and to the specifications of the electrical connections

At first, check device for any damages and for completeness. Any transport damages must immediately be reported to the shipping company or ask the firm responsible for delivery.

Scope of delivery includes:

- stand with column
- mill wheel
- water tank
- cascade
- control unit
- accessory bag



Important Notes

Inappropriate installation or usage could cause fire hazard! Please read this mounting instructions carefully. Pay attention to all measurement specifications and the following notes.

- The mill wheel must only be used in connection with the sauna heating device 34G 18, 27 or 36 kW and the associated sauna control unit.
- The device has been designed for a connection voltage of 230 V AC.
- The installation and the connection of the device and other electrical utilities must only be carried out by trained technicians. Here, it is especially important to abide by all protective measures necessary according to VDE 0100v. §49DA/6 and VDE 0100 Part 703/2006-2
- **The mill-sauna will be connected to the power supply system via an earthed plug.** All connecting lines to be passed inside the cabin must be suitable for an ambient temperature of min 140 degree. We recommend a silicone line. If single-wired lines will be used as connecting lines, they must be protected by bendable metal pipes
- **Please see that the start button is located outside the cabin.**

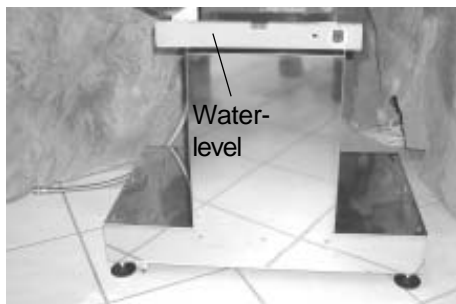
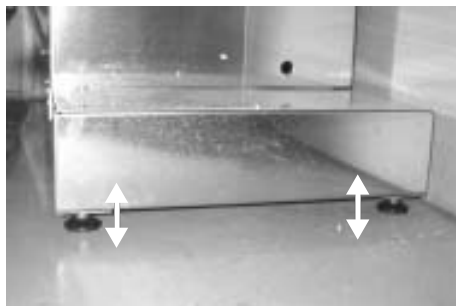


Prior to the installation of all individual components all protective foils must entirely be removed.

Installation

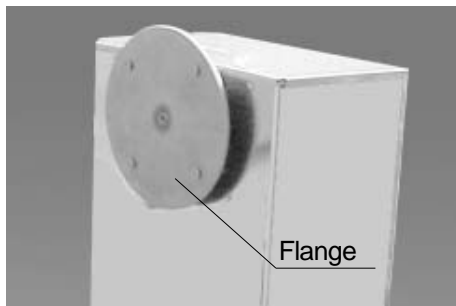
Align mill

Put mill onto desired place and align horizontally by means of the plate feet. Use a water-level as supporting instrument.



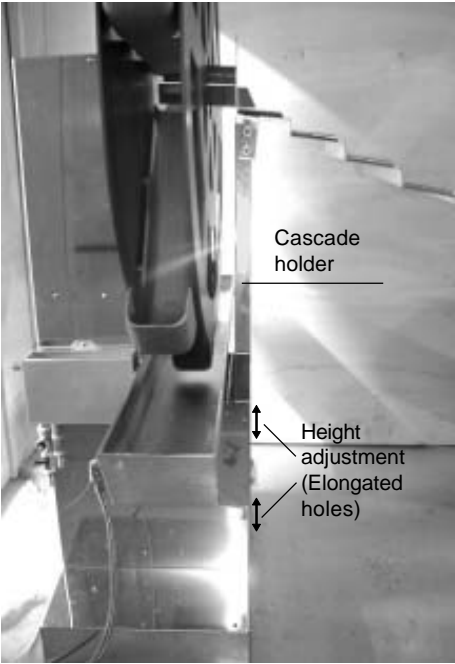
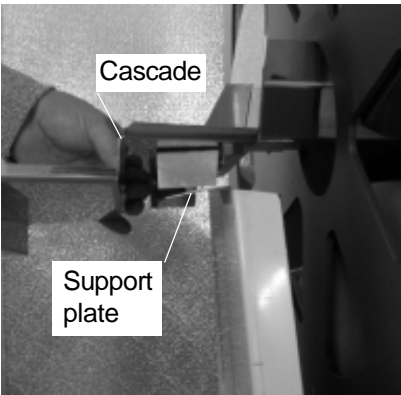
Install Mill Wheel

Put mill wheel onto the flange and fix it with 4 countersunk screws (M 6x16).

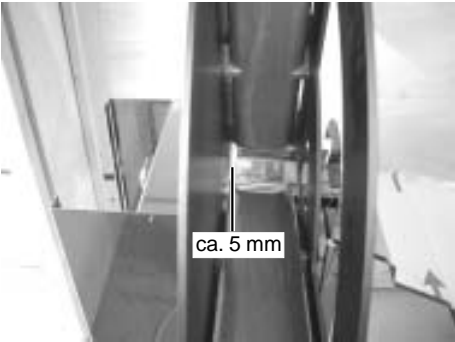


Install Cascade

The cascade will be put onto the support plate.



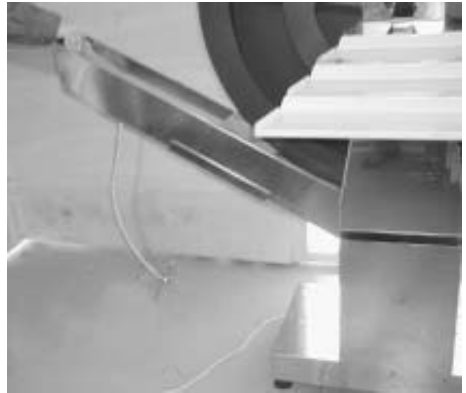
Non-contact run between cascade inflow channel and mill wheel must be guaranteed (approx. 5 mm tolerance).



Install Water Tank

Insert water tank sideways.

Note: Consider position of shovel.



5. Set up Fixed Water Connections



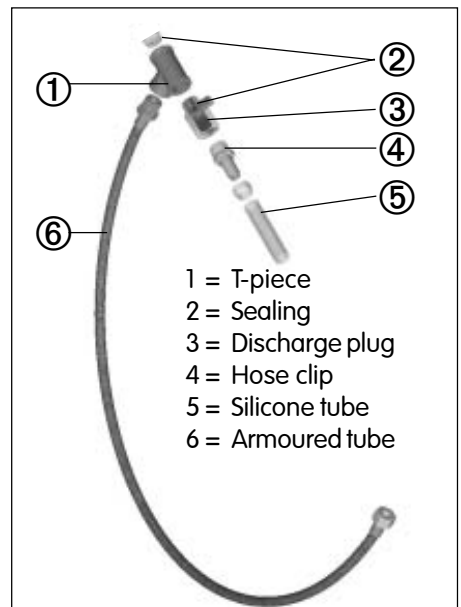
Important Notes:

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.


Set up Connection Fixed Water Connection - Water Tank


Remove all specified parts from the accessory bag and mount them according to the figure.

Now, using the sealing band the T-piece will be screwed onto the 1/2" nipple on the underside of the fixed water connection, whereas the lock nut, including the inside sealing, will be screwed onto the nipple on the water tank.



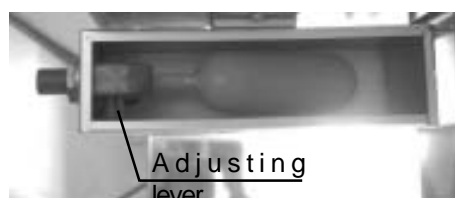
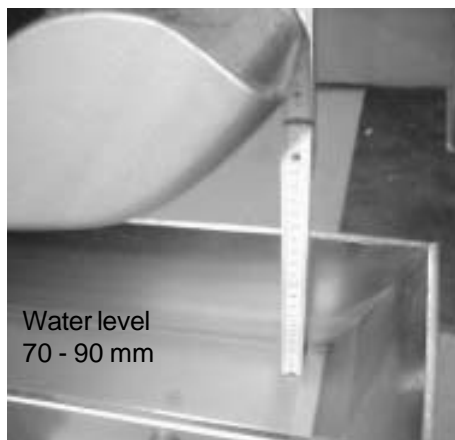
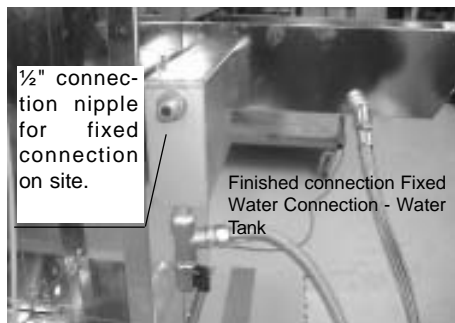
Connect Fixed Water Connection with Water System On-Site.

 Please note: Between fixed water system and fixed water connection a shut-off cock must be installed. In case the fixed water connection will not be used for any length of time, the shut-off cock is to be closed.

 Attention: Maximum operating pressure 3 bar

The system may only be filled with water. The water level in the water tank should be between 79 and 90 mm.

By means of the red adjusting lever at the tank for the fixed water connection, the float gauge level in the water tank and, thus, the height of the water level can be regulated.



Installation and Connection of Control Unit

Install control unit outside the cabin.
Thus, open the housing and fix it at the destined location by means of 4 screws.

Pass the feed line to the mill wheel and connect it to the motor connection at the backside of the mill wheel.

By means of the four-wired line we offer you the usage of two potential-free contacts (signal 1 and signal 2). With these contacts you can switch on-site facilities, such as light or ventilators, up to the maximum current rate of 2,5 A.

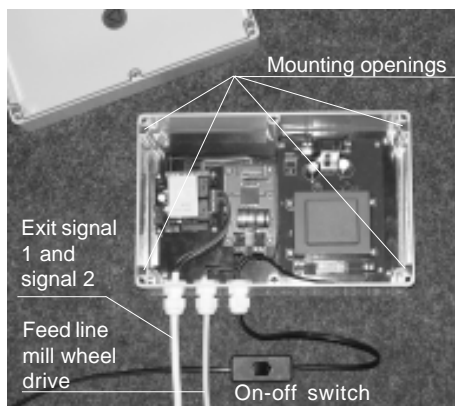
Finally, put the earthed plug into a power socket and the mill wheel is ready for operation.

Beginning of Operation



During starting up your device please consider that the furnace and the sauna stones are at operating temperature at the latest at the time of the first infusion.

By switching on the cord switch in the connecting lead the mill wheel will be started. The program sequence determined in the processor starts with the first pause time



Signal 1 = Wire 1 + 2

Signal 2 = Wire 3 + 4

Program Sequence Mill-Sauna

Already in the factory, the parameters of the program sequence will be set into the software and loaded onto the processor. Subsequent modifications of parameters can only be carried out in the factory.

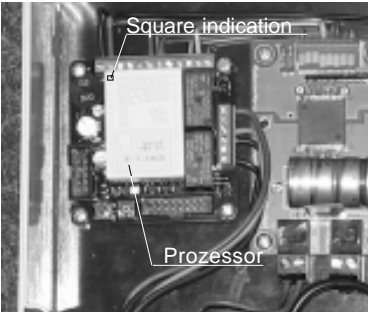
However, it is though possible to exchange the processor with a processor that has other program sequences. This processor can be shipped from the factory.

For this, you have to pull the earthed plug out of the socket. Then, open control unit.

Now, you can pull the processor out of its holding.

When putting on the new processor, please take care that the square is located above right in the engraved description.

Then, reconnect control unit with mains supply.



Please find below 3 different diagrams of steam-shock programs which are included with the water mil sauna control.

These can be modified from EOS according the individual requirements.

1. Sample program with a running time of 60 minutes.

Pause time												
Infusion time												
Signal 1 (light: "Attention infusion")												
Signal 2 (Ventilator)												
Elapsed time in minutes	54	1,5	1	0,17	0,33	1	0,17	0,33	1	0,17	0,33	

2. Sample program with a running time of 45 minutes.

Pause time												
Infusion time												
Signal 1 (light: "Attention infusion")												
Signal 2 (Ventilator)												
Elapsed time in minutes	39	1,5	1	0,17	0,33	1	0,17	0,33	1	0,17	0,33	

3. Sample program with a running time of 30 minutes.

Pause time												
Infusion time												
Signal 1 (light: "Attention infusion")												
Signal 2 (Ventilator)												
Elapsed time in minutes	24	1,5	1	0,17	0,33	1	0,17	0,33	1	0,17	0,33	

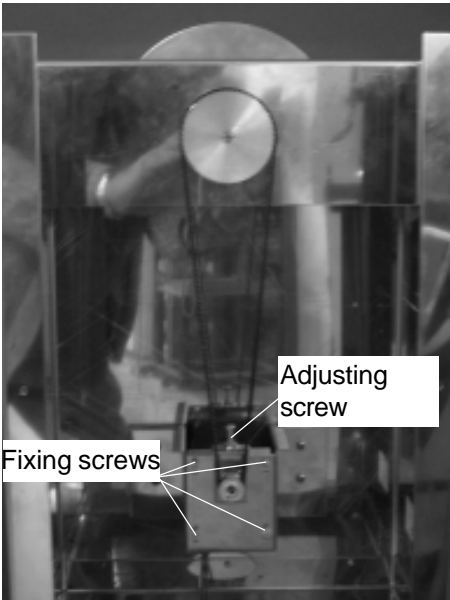
Maintenance

Retightening the Toothed Belt

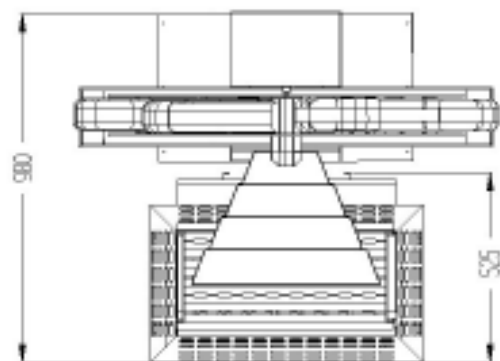
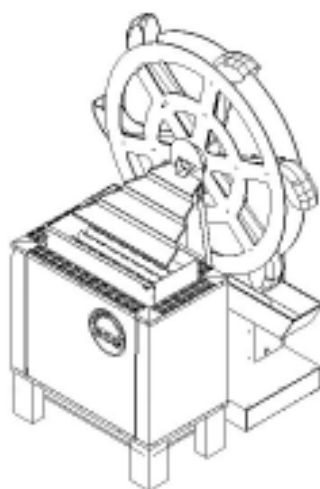
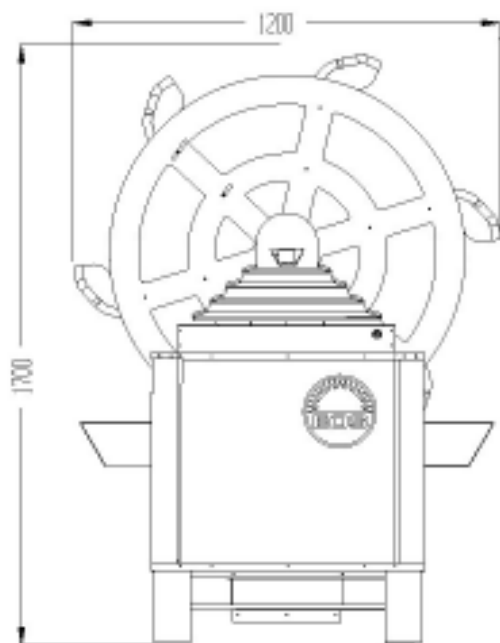
- At first, loosen all 4 fixing screws
- Then, stress toothed belt by means of the adjusting screw.

Note: With soft pressure the belt must only be compressible for max 5mm.

- Finally, retighten all 4 fixing screws.



Dimensions



Guarantee

The guarantee will be accepted according to current statutory regulations.

Manufacturer Guarantee

- The guarantee period starts with the date of the sales slip and lasts basically for 2 years, and with private usage 3 years.
- The specified guarantee performance will only be carried out if the device's sales slip is existent.
- With any alterations of the device, which have been carried out without explicit consent of the manufacturer, all guarantee claims expire.
- For defects that have been caused by repair works or other modifications of non-authorised persons or by inappropriate usages, the guarantee claims also expire.
- In case of any guarantee claims, both the serial number and the item number together with the device name and a significant error description must be handed in.
- This guarantee contains the compensation of defective device parts except for normal signs of wear.

In case of complaints, device must be shipped in its original packing or in suitable packing material to our service department (Attention: Risk of transport damages).

Always ship device with this filled-in letter of guarantee.

Possible freight charges for transmittal and return cannot be compensated by our company. Outside Germany, please contact your specialist dealer in case of any guarantee claims. In this case, direct guarantee processing with our service center is not possible.

Initial Operation on (Date):

Service address:
EOS-Werke Günther GmbH
Adolf-Weiß-Straße 43
35759 Driedorf-Germany
tel +49 (0)2775 82 240
fax +49 (0)2775 82 455
servicecenter@eos-werke.de
www.eos-werke.de

Stamp and signature of the electrician authorised;