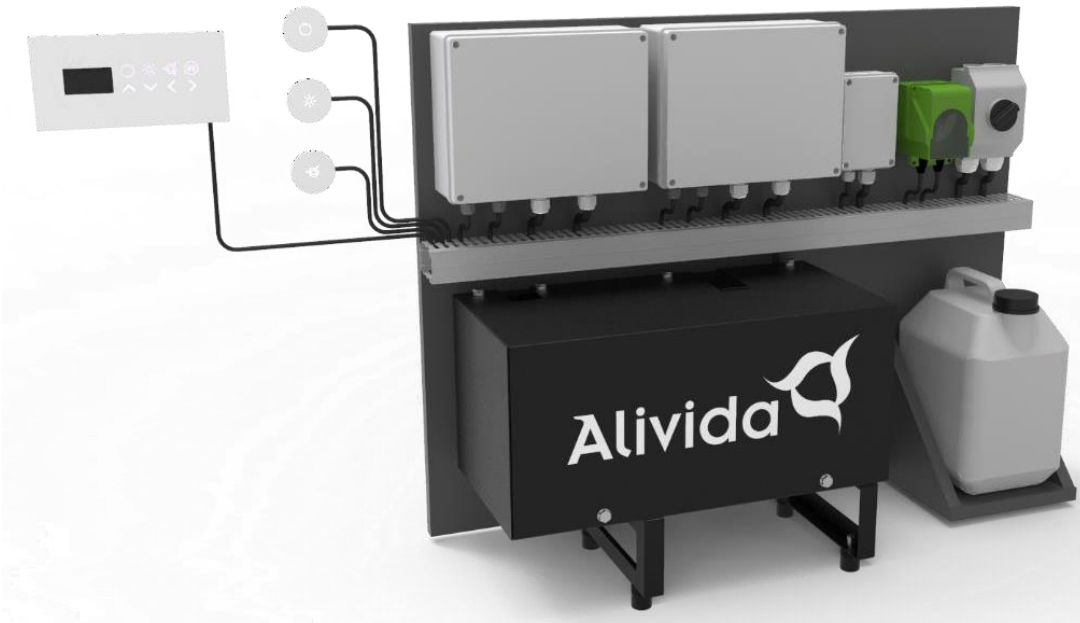
Steam generator for Steam bath/Hammam

Installation and User Manual v2.1



1. Warnings

General warnings:

Carefully read all chapters of this manual before installing the steam generator. Keep this manual for the entire life of the product. The Alivida steam generator is designed to humidify steam baths/hammam, by distributing steam. Do not use steamers that are not included in this kit. Always follow the instructions contained in this manual, or in the manual of the accessories, regarding installation and maintenance.

Only use the steam generator for activities for which it is intended. When the product is used in an irresponsible manner, no liability can be accepted for damage or injury to people, animals or personal property. In addition, the product warranty will no longer be valid.

Do not make any adjustments to the steam generator and do not carry out maintenance of any kind. There are parts in this product that are live or that could cause burns. Maintenance and service of such a product should only be performed by specialized or qualified personnel. This product is intended for adults. Do not allow use of the product by children under 8 years old, persons with reduced physical, mental or sensory condition. The product should not be used by people with insufficient knowledge or experience. It is advised to consult personal medical advice before using the product. Check whether the mains supply is suitable for the electrical input of the sauna controller.

Any form of warranty is void if adjustments are made to the device or if the installation manual is deviated from.

Safety Warnings:

The installation of the system must comply with the safety requirements of the laws and regulations of the place of use.

Removal regulations:

Disposal of electrical equipment should be collected separately, in accordance with local regulations on waste disposal.

2. Alivida Steam Kit

The following products are available:

- Alivida Steam kit 3
- Alivida Steam kit 6
- Alivida Steam kit 9
- Alivida Steam kit 12

The Alivida Steam kit consists of the following parts:

- Steam generator 2.8 or 5.6 kW
- Control panel
- Steam outlet
- Temperature probe with holder
- Water supply hose
- Water drain hose
- Steam line
- Control panel extension cable (2 meters)
- Stainless steel flush-mounted box for control panel
- Installation and User Manual.

Optional:

RGB LED Light module
- RGB LED Control box

Aromatherapy
- Fragrance dosing pump

Bluetooth Audio
- Bluetooth Audio Control box

Cleaning light
- Relay output for cleaning lighting (max 100 Watt)

Bench heating
- Relay output for bench heating (max 2000 Watt)

3. General description

The Alivida Steam Kit can be used for both home and professional use. The steam generator is operated by means of a touch panel which can be installed both inside and outside the steam cabin.

The control system measures the ambient temperature and regulates the production of steam to maintain the user's desired temperature.

Alivida steam generator

Alivida control panel

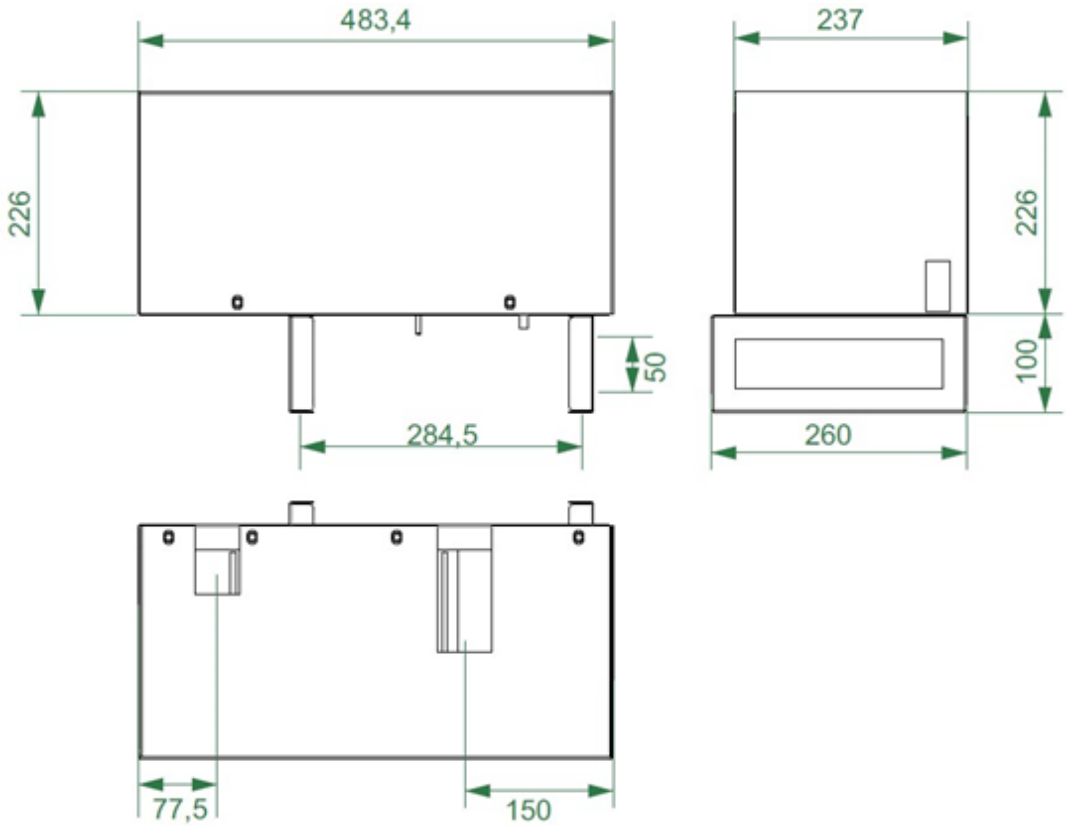
4. System Installation

Important:

Before installing the system, it is important to check whether the connections of the piping comply with the regulations.

The water inlet, water outlet, and steam outlet must be properly installed.

Dimensions



Installation piping:

The generator must be connected to a drinking water supply. The connections to the water mains must be made in accordance with local laws and regulations.

Use pipes with a suitable diameter:

Model	Water inlet	Water outlet	Steamoutlet
Alivida Steam 3	½"	½"	½"
Alivida steam 6	½"	½"	½"
Alivida steam 9	½"	½"	2 x ½"
Alivida steam 12	½"	½"	2 x ½"

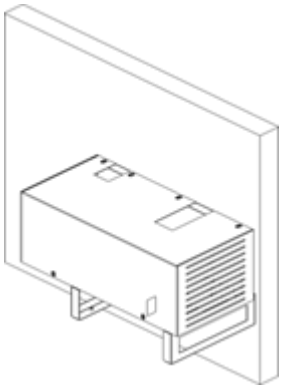
The water supply pressure must always be between 1 and 6 bar (100-600 kPa). Install a pressure regulator if necessary. Always use cold water, maximum 25 °C, to fill the boiler; this is important for rinsing and cleaning the boiler. Do not perform welding work on pipelines close to the steam generator. The heat and smoke this creates can damage the generator.
Flush the pipework thoroughly to remove residues and impurities before connecting it to the generator. When there is a risk of particles entering the water, even during normal use, it is recommended to install a filter. Install a shut-off valve on the steam generator's water supply. Always check that this valve is fully open when the generator is on. Only close the valve if the generator will not be active for a long period of time. The piping used for the discharge of the steam generator must be able to withstand the flow of liquids warmer than 100 degrees Celsius. To ensure correct operation, this pipe must be installed in a stable manner, with at least a 4º slope towards the drain. There should be no obstacles that could hinder the management. It is recommended to connect a siphon to the drain.

UNDER NO CONDITIONS may the steam pipe be fitted with shut-off valves, such as valves or the like. The steam pipe must be made of a material that must permanently withstand temperatures of at least 100 °C and must be insulated in such a way that condensation is minimized. The steam line should slope gradually (at an angle of at least 4º) from the generator to the steam outlet, so that the condensate that forms when the system starts up can be properly drained. The steam outlet must be installed on the inside of the steam bath at a height between 200 and 350 mm from the floor. When installing and using the steam outlet, follow the instructions. The steam pipe should never be longer than 6 metres.

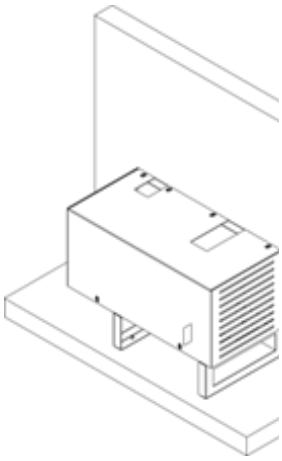
Mechanical installation

The steam generator is designed for three types of installations, as shown below:

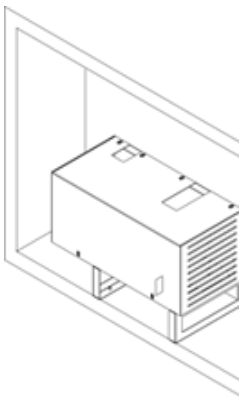
On the wall



On a shelf



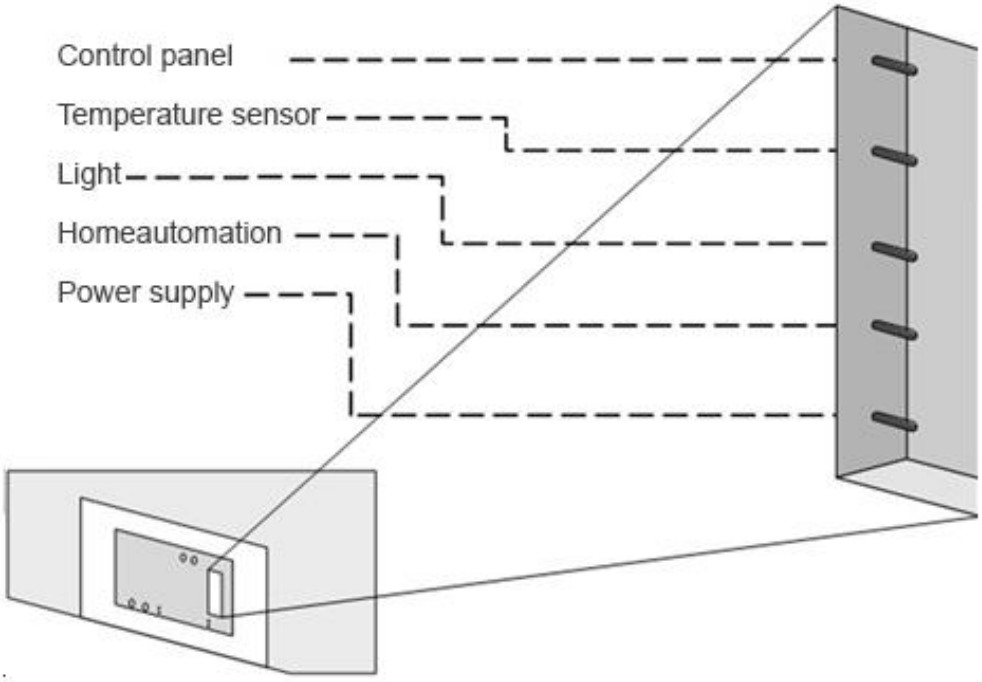
In a niche

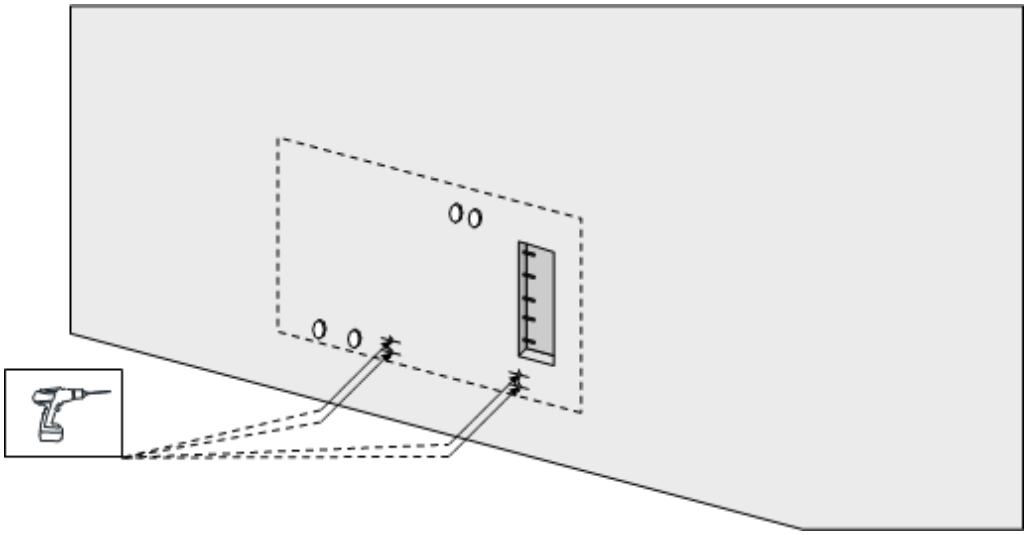


Connections

Preparation for making the mounting holes.

Drill holes in the wall to install the generator mounting bolts Make sure the holes are properly positioned in the wall.

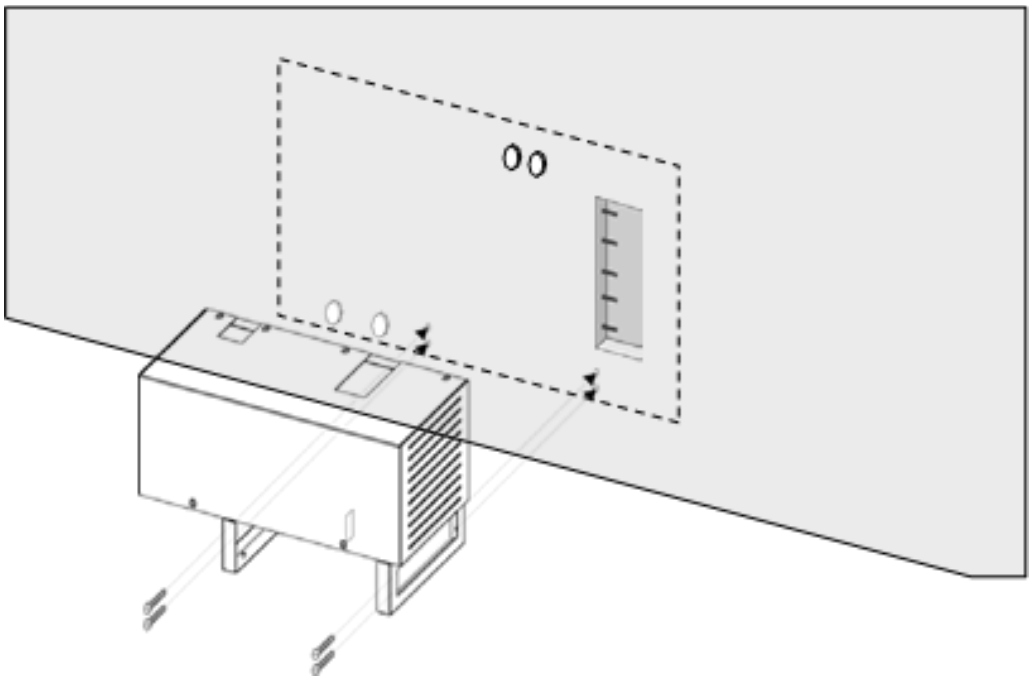




Mounting

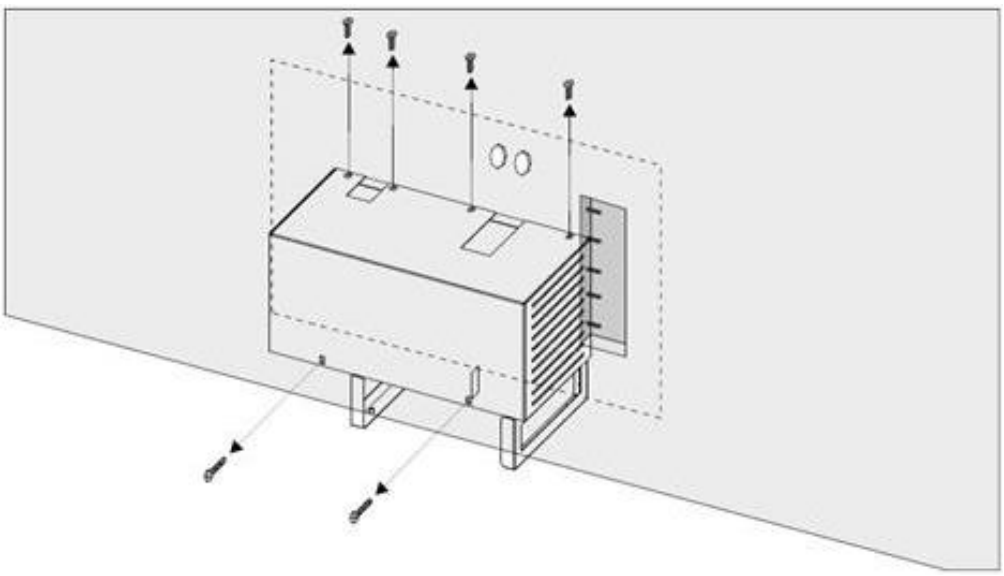
Mount the generator on the wall.

Warning: Use screws each capable of lifting more than 50 kg. Make sure generator is parallel to the wall.



Removing the housing

Remove the screws as shown in the illustration below. Remove the housing to expose the printed circuit board.



Steam pipe and steam outlet

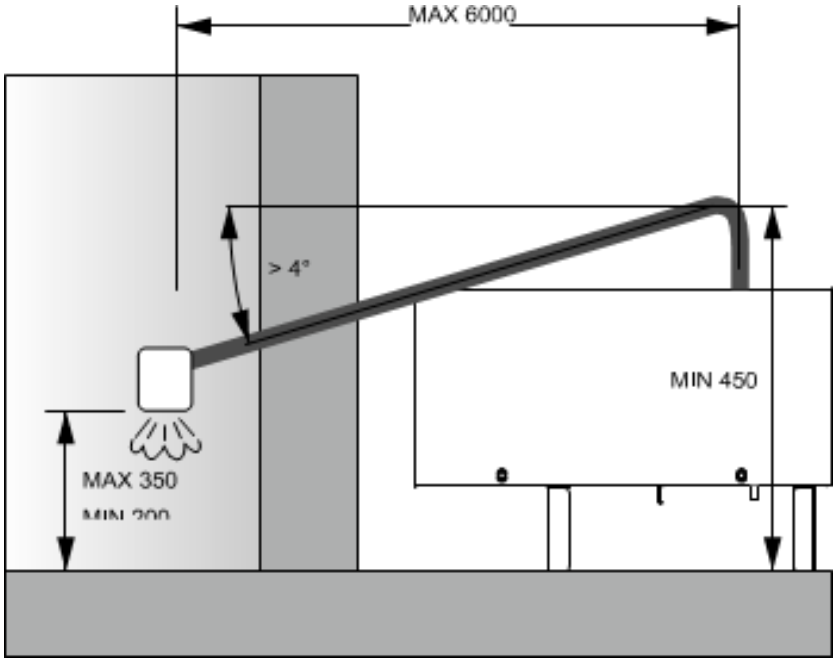
The steam line must not have narrowed sections or be fitted with shut-off valves. The pipe must run at a minimum angle of 4° from the generator to the steam outlet. The length of the steam pipe between the generator and the steam outlet must not exceed a total length of 6 meters. The pipe must be insulated and able to withstand a temperature above 100 °C.

The steam outlet must be installed at least 200 mm, but not higher than 350 mm, above the floor. The outlet must be installed on the inside of the steam room. If the temperature of the steam exceeds 60 °C, symbol 5597 of IEC 60417 must be displayed near the steam outlet. A warning sign can also be installed that reads:

WARNING: HOT WATER VAPOR!

Steam outllet

Material: Stainless steel

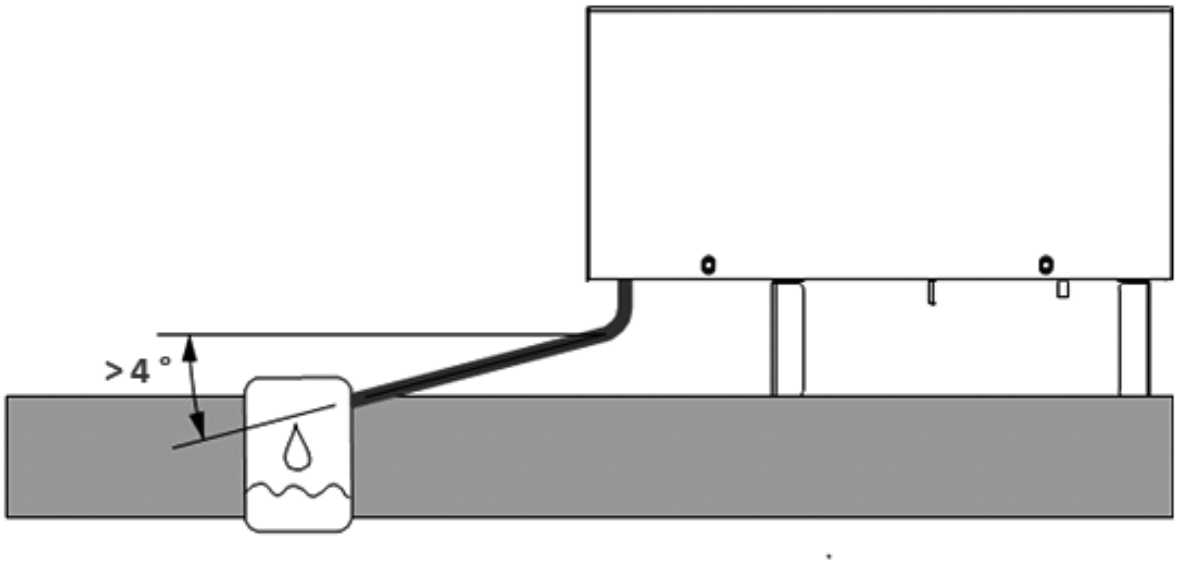


Water drainage

Without narrowed sections, barriers or valves.

Minimum slope: 4°

Heat resistant material (> 100°C) Siphon



Electric

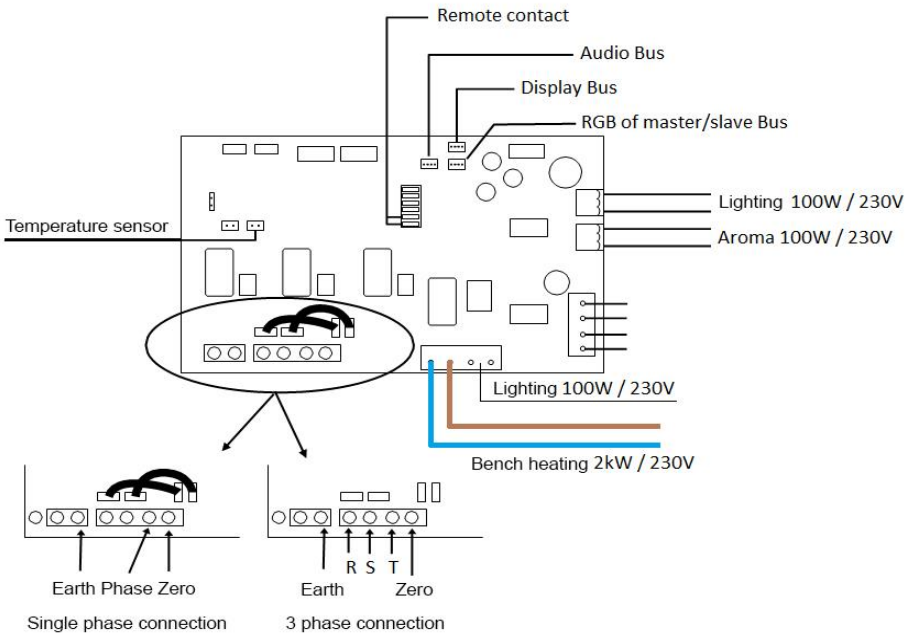
ELECTRICAL INSTALLATION:

The generator may only be installed in a space intended for the generator. Do not install the generator on the inside of the steam bath/Hammam. Connect the appliance to the mains using an insulated multi-pole switch or multi-pole removable plug which is included in the wiring.If a power cord is damaged, it should only be replaced by a professional technician. Make sure that the electrical connection corresponds to the specification on the steam generator.

Model	Power (Watts)	Voltage (volts)	A
Alivida Steam 3	2800	230	1 x 16
Alivida Steam 6	5600	1 x 230 (cooking group)	2 x 16
Alivida Steam 9	8400	1 x 230 (cooking group) + 1 x 230	2 x 16 + 1 x 16
Alivida Steam 12	11200	2 x 230 (cooking group)	2 x 16 + 2 x 16

Pay attention! all cooking groups run in 5 core cable.

The steam generators are delivered in such a condition that they are suitable for single phase electricity supply. If technical conditions permit, the steam generator can be connected to a three-phase electricity supply by removing the jumper cables. Connect electrical connections as shown in the drawing below:



The electrical connection may only be made by means of a cable of the type:

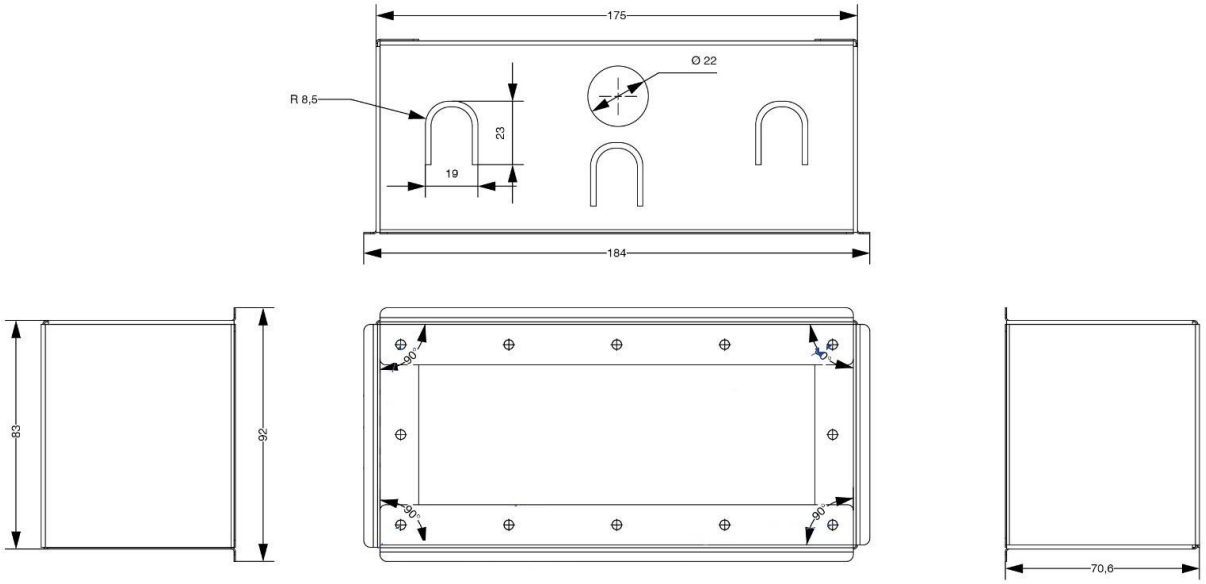
H05VV-F, with a suitable length and diameter.

Type	Standaard	Keurmerk
H05VV-F	60227 IEC53 HD22	HAR

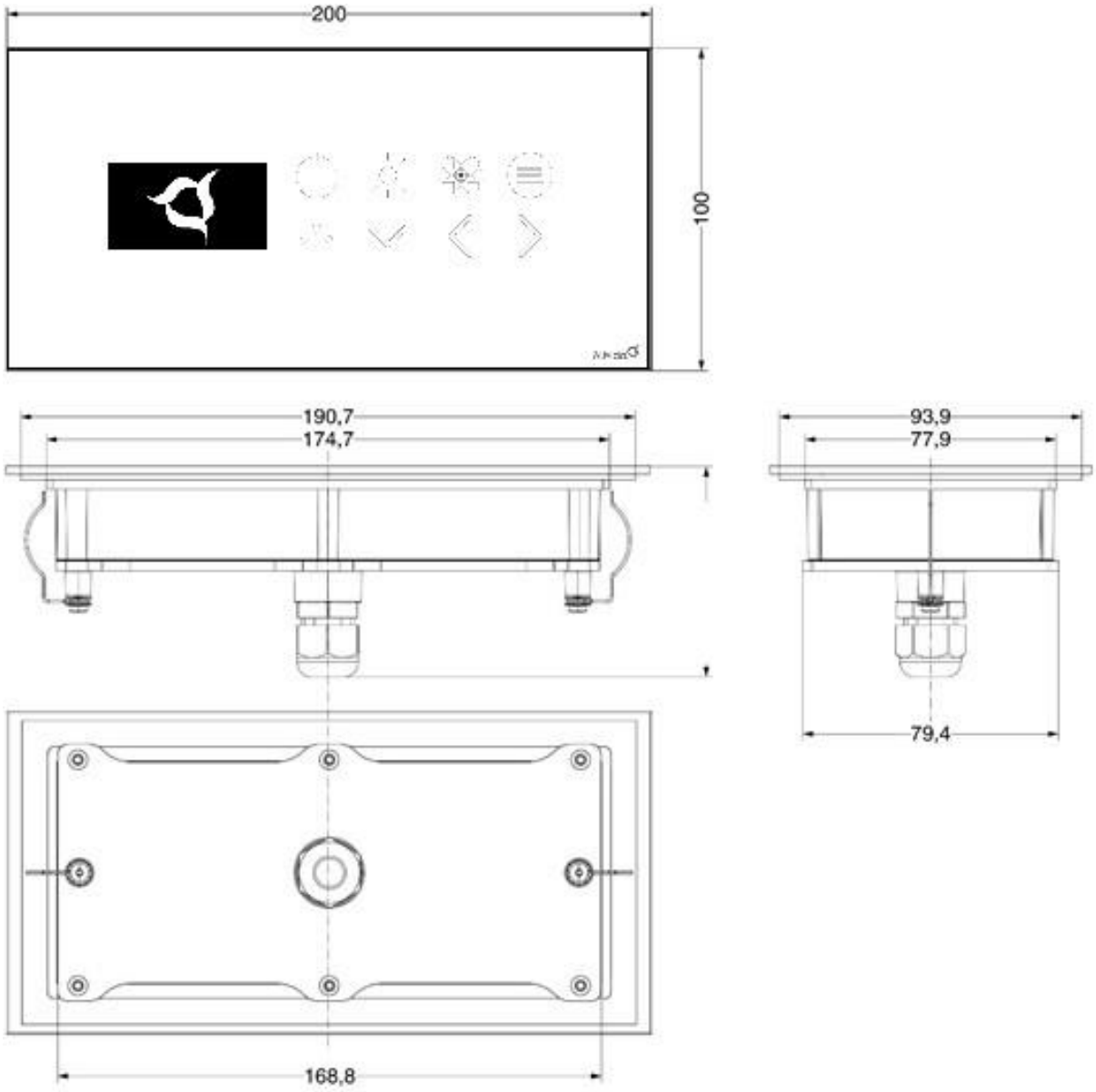
Control panel

Mechanical installation

The control panel can be installed on both the inside and outside of the steam bath. A special stainless steel flush-mounted box is used.



Display dimensions



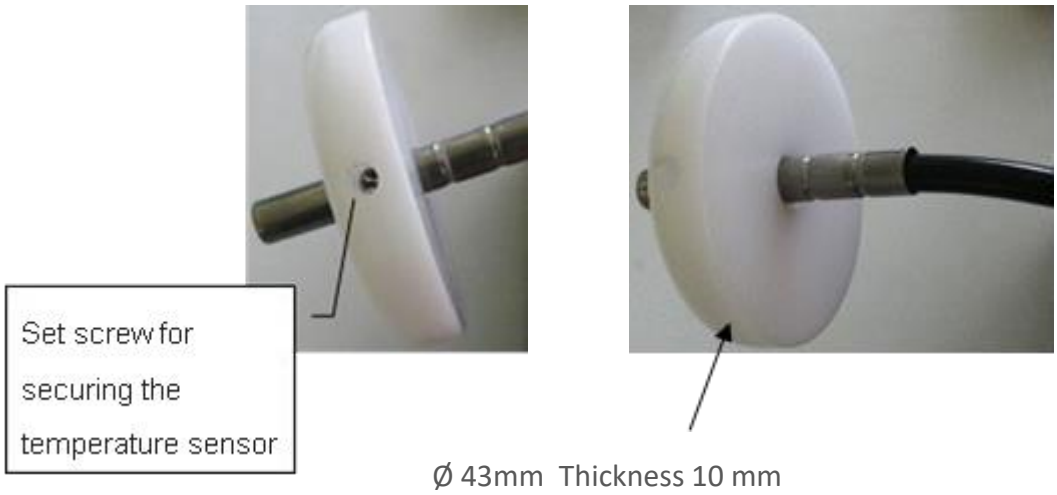
Electrical installation

Plug the male connector of the control panel into the corresponding female connector of the steam generator.

Temperature sensor

Mechanical installationThe temperature sensor is held in place by a cylindrical holder, which is installed on the inside of the steam room at a height of +/- 160 cm. Use silicone caulk to mount the holder in place.

Stelschroef voor hetvastzetten van de temperatuursensor.



Ø 43mm Thickness 10 mm

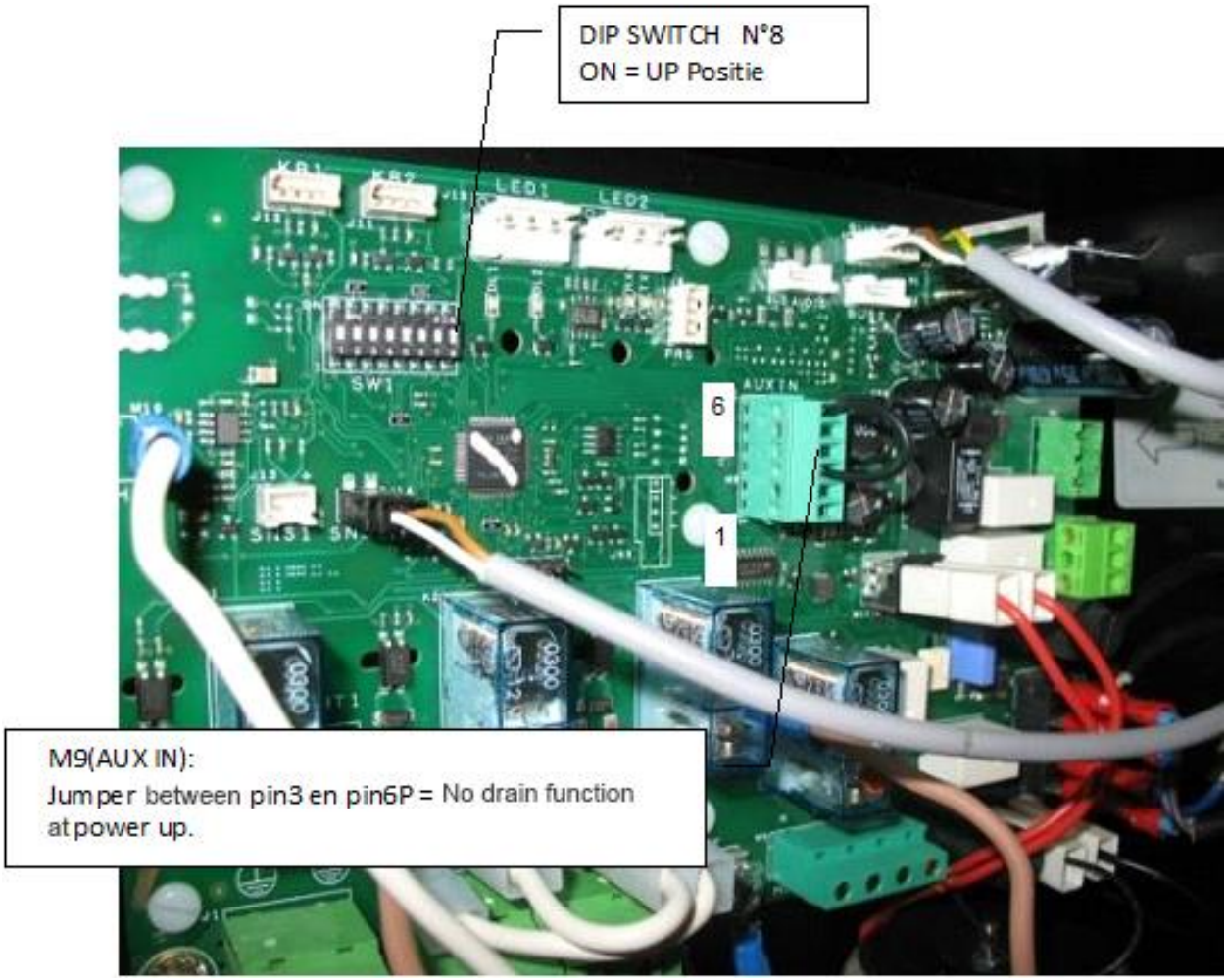
Drain option at power up

A connection between pin 3 and pin 6 of the M9 connector (AUX IN) ensures that the automatic drain function is switched off when the power is applied to the steam generator.

Drain option with steam function

DIP Switch 8 ON = No drain cycle is performed at the beginning and end of a steam session.

DIP Switch 8 OFF = Drain cycle is performed at the beginning (only when the level sensor detects water) and at the end of the steam session.
At the end of the steam session there is a 20 minute cool down cycle. During the first 5 minutes of the cool down cycle, the controls regulate the loads and drains. The steam function is not available at this time. The steam icon flashes on the display.
A new steam session can then be started if necessary. (the drain is not activated at the start of this new steam session).
If a user does not start a new steam session, an automatic drain cycle will start within 15 minutes.



Remote start

The steam generator can be controlled externally by means of a remote contact, for example with a home automation system. A connection between pin 1 and pin 2 of the M9 connector (AUX IN) ensures that the steam generator is switched on in its last setting (for example 30 min. 45 degrees).

Pay attention! this is a make contact (not a pulse contact).

1 and 2 closed = unit starts up.
1 and 2 open = unit stops.