

**helo**  
REWARD YOURSELF

STEAM BATH PRODUCTS



**helo**

## STEAM BATHS



# Steam bathing

The joys of steam bathing have been known and appreciated for as long as sauna has existed. Romans understood the rewards of a rich moist steam cleanse, both for hygiene and the feel of soft, silky smooth skin afterwards.

Finns too have taken advantage of the purifying qualities of steam over the years, treasuring a daily bath to unwind tight muscles, stimulate blood flow and re-emerge whole once more.

At Helo, we pride ourselves on the innovation and design of our steam generators. Dependable, quality focused, energy-saving and above all, producing a faultless high-humidity climate for genuine relaxation and revitalisation.

Discover the difference a genuine Helo-powered steam bath can provide at your home or business. Use the handy planning tips in these pages, consult your nearest Helo dealer or visit our website at **[www.helosauna.com](http://www.helosauna.com)**





Be inspired

[helosauna.com/lifestyle/steambath](https://helosauna.com/lifestyle/steambath)





Planning your own steam room can be immensely rewarding. A little planning in advance for key factors like drainage and easy cleaning will go a long way. You will be rewarded with many relaxing steam bathing years in your own energizing steam room.





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Check out a few of our tips below for a smooth-running steam room project:

**Plan your steam room with proper drainage** as a top priority. The steam generator will be emptied of water and flushed frequently so make sure it is placed in the immediate vicinity of a drain. This will save you a lot of extra work.

**Make sure your steam room does not get crowded.** Allow at least 600 millimeters (24 inches) of bench space per person. Also, planning the seating for easy access as well as easy cleaning will be a great help as you start using your steam room.

**Test the hardness of your mains water** to predetermine the frequency of maintenance.

**A sloping ceiling** in your steam room will facilitate condensation run-off.

**If you have any doubts,** your local Helo Team will be happy to assist you in designing your new steam room.

# Installation and service guidelines for generators with tube type elements

## Descaling

Most of the limescale build-up in the steam generator is removed during the automatic flush sequence, but some deposits always remain. **In commercial use, it is therefore usually necessary to manually descale and clean tank walls and heating elements from time to time.** The only way to determine whether manual cleaning is required is by visual inspection of the sensor pins and heating elements. Please consult the operating manual\* for instructions.

## Auto drain valve

**For generators installed for commercial use, the optional automatic drain function is required.** This significantly reduces the accumulation of limescale in the water tank. With the HNS T1 generator control unit it is possible to set the automatic flush sequence from an hourly to a daily rate. **In commercial settings, the generator must be flushed at least daily.** Check the manual to set the automatic flush sequence. Please consult the operating manual for instructions.

## Location

The steam generator contains sensitive electronics and must be installed in a dry area, away from water and moisture. Allow plenty of space around the unit, as it generates heat. The ambient air temperature must not exceed 35°C (95°F).

## Water quality

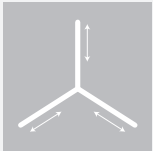
The hardness of the mains water supply must be tested before connection to a steam generator. Should water hardness exceed 4° dH (German Water Hardness), we recommend installing a water softener. If the water hardness exceeds 7° dH, a water softener is required. Water hardness is the most common reason for generator problems and you should always test your water supply to ensure trouble-free operation. We use German degrees to measure water hardness.

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### Before you build

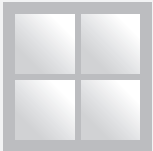
The formula for power calculation and handy chart below will help you make sure your generator is powerful enough for the size of your steam room.




X



X



=



Room  
volume (**m³**)

Ventilation  
(**K1**)

Interior  
material (**K2**)

Power  
(**kW**)

.....

Room volume (**m³**) x **K1** x **K2** = required power (**kW**)

Constants:

Ventilated room .....	K1 = 0.75	Acrylic room .....	K2 = 1
Non ventilated .....	K1 = 0.52	Tiles on board or hard foam .....	K2 = 1,25
		Tiles on insulating concrete .....	K2 = 1,50
		Heavy wall of concrete or tiles .....	K2 = 2

Specifications		
Type	Power (kW)	Dimensions (mm) (WxHxD)
HNS	3,4	520x380x160
HNS	4,7	520x380x160
HNS	6,0	520x380x160
HNS	7,7	520x380x160
HNS	9,5	520x380x160
HNS	12,0	520x380x160
HNS	14,0	520x380x160

Available in all general voltages and phases (230V - 240V 1N 3,4 - 7,7 kW and 400V - 415V 3N 3,4 - 14 kW).  
Note! Heavy walls like concrete, tile or brick require more power. Ventilation will also increase the power consumption.

## HNS T1

The Helo steam generator has been designed with both domestic and commercial use in mind. Connect up to 5 HNS T1 generators with one T1 control unit.\*

Its compact construction, stainless steel tank and heating elements make for easy installation and minimal maintenance. If the water supply fails for any reason, the steam generator is equipped with sensors in order to prevent it from running dry and overheat.

Options include a remote start feature as well as an automatic drain valve. Auto Clean Valve is required for commercial use.



HNS T1  
steam generator

\*Works when more than 14 kW power is required.  
For example in large steam baths and hamans.



The control unit manages all features that control and display temperature, fragrance, ventilation and lighting.

#### Steam generator control T1

The elegant yet robust control unit for the T1 steam generator is our most advanced device, designed to bring you the ultimate steam bath experience.

With convenient functions such as the ability to preset start and stop times, your steam bath is always ready when you are. The control unit manages all features that control and display temperature, fragrance, ventilation and lighting.

The control panel display lights up as you approach it. Select your preferred settings, lean back and let the warm steam embrace you.

#### Features of the T1 control unit:

- Multilingual user interface
- Preset and operation time up to 23:59 hr
- Automatic lock with delay 15 - 60 sec
- Installation outside steam room\*
- Measurements in mm (HxWxD): 140x80x22 mm



\*On/Off button can be installed inside the steam room to control the selected programme on T1 panel.



## HNS M2

This high-capacity steam generator is designed for domestic and commercial use. Like all our steam generators, the HNS-M2 series features a stainless steel tank and stainless steel heating elements, providing smooth and trouble-free operation for years to come.

If the steam room is used frequently or for commercial purposes, such as at a spa or in a hotel environment, the automatic drain-and-flush option is required to ensure correct operation.



HNS M2  
steam generator



Thanks to the carefully selected materials with limescale resistant properties, maintenance is kept to a minimum.

#### Steam generator control Midi 2

Features an operational timer up to 23 hours, temperature control and together with optional light adapter also a light switch.

The control unit can be mounted either inside or outside the steam room. When placed inside the steam room the time and temperature settings are conveniently within your reach. Outside the steam room installation it is required to use external temperature sensor.

#### Features of Midi 2 control unit:

- Time setting 23 hours
- Temperature range 30–50 °C
- Display and control for temperature and time
- Measurements in mm (HxWxD): 180x55x20

#### On/Off used without Midi 2

- 30min operation time with one push is simple and easy way to set up the steam bath
- LED indicator
- Dimensions: 40x40x40 mm

#### On/Off used together with Midi 2

- Switch on your latest programme on M2 without walking inside the steam room
- Use the on/off button as a simple control to switch the steam bath ready.



Midi 2 control

Helo offers a number of accessories along with the steam generators – to complement and help you create your very own personal steam bath.



#### Steam nozzle

- Positioned within the cabin to provide the most effective distribution of steam
- For generators 34-47 1 pcs, 60-77 2 pcs and 95-140 3 pcs



#### Steam bath light unit

- Ceramic base
- Frosted glass cover



#### Essence Pump

- With adapter for 20-25 l container and barrel
- 3 m connection cable
- Connection cable for remote control, 3 m, with relay
- Temperature sensor with 3 m cable
- Transformer for the pump
- Suction hose, 0,5 m, ID 2 mm
- Feeding hose, 3 m, ID 2 mm
- Note: does not include any container



### Steam bath doors

- Constructed from aluminum with a special sealing.
- The 8-ESG glass comes in a clear or tinted version available for private (with threshold) or commercial (without threshold) use.



### Auto Clean Valve

- Automatic drainage of water tank after every use (reduces limescale and extends service intervals)
- Includes a connection cable
- Easy installation
- Auto Clean Valve is required for commercial use.



