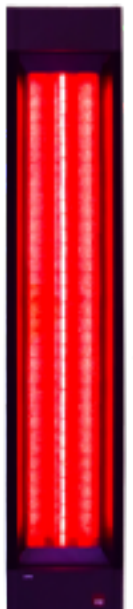
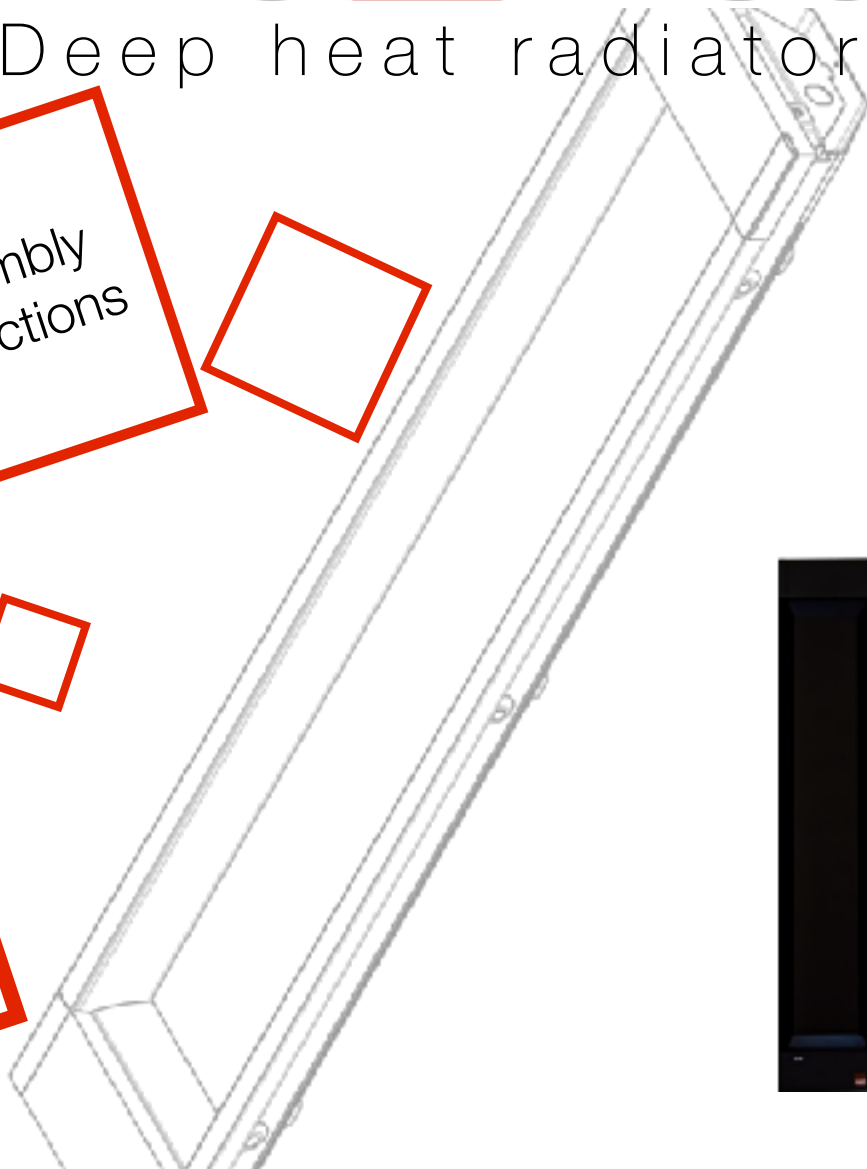




Infra **rot** med

Deep heat radiator

Assembly
instructions





Thank you very much

.... for your trust and the decision in favor of an **Infra^{red}med**-deep heat radiator, developed and produced by Gurtner Wellness.

Before you start with the installation, please read these instructions carefully, keep them for later and check your infrared heater for any transport damage.

Sollten Fragen zum Einbau und zur Anwendung offen sein, zögern Sie nicht, uns oder Ihren Fachhändler zu kontaktieren.

To make the application even more pleasant, you can use our controls and regulators. The infrared heater adapts perfectly to your individual needs. The Ergo-Flex backrest ensures optimal seating comfort.

Tested for your safety

With the Infrarotmed emitter, you have chosen a product that not only complies with private, but also the stricter commercial guidelines. The safety standards have been verified by an accredited test center.

TEST STANDARDS of the infrared heater::
IPX 4 splash-proof when installed

EMV (electromagnetic compatibility "electrosmog")

EN 55014-4:2006+A1+A2
EN 61000-3-2:2006:A1+A2
EN 61000-3-3:2008
EN 55014-2:1997+A1+A2

LVD (Low voltage directive, includes, among other things, the safety distances from the infrared heater to the body)

EN 60335-1:2012
EN 60335-2-53:2011
EN 62233:2008

The tests were carried out by TÜV Rheinland.



Assembly- & safety instructions

Preparation:

Before you start, find out about the optimal positioning of the infrared heater (s) and the use of a suitable controller. We or your specialist dealer will be happy to support you with the planning in advance.

Prepare your workplace and the infrared heater. Check the heater for obvious damage during transport. Also check the connections. Follow the safety instructions and follow the instructions exactly. Incorrect installation creates a risk of fire. If installed correctly, however, you will be able to relax comfortably after the work is done.

If you are unsure about the installation, ask for help of experienced craftsmen.

General safety information

Have the supply line checked by a specialist electrical company and only have connection work carried out by qualified persons.

Carry out all work only when it is disconnected from the mains.

The infrared heater must not be installed in wet rooms (e.g. shower or steam shower). Plan for adequate air circulation to avoid heat build-up.

When installing in existing trades, always pay attention to the statics. Also, always pay attention to any vapor barriers, cables, etc..

Note the safety distances.

Pay attention to a comfortable radiation distribution for the whole body. The head should not be exposed to intense heat radiation.

A control and a backrest make the back heater particularly comfortable.

The 1300W heater may only be installed in a ceiling with sufficient ventilation upwards.

When using the infrared heater for the first time, you should let it heat up for about 30 minutes without using it. Any production residues (oils and fats) can evaporate.

If the infrared heater is installed in the sauna, it can be pre-tempered with the sauna heater for infrared use. However, the air temperature should not exceed a maximum of 45 ° C. Infusions must not be used.

Flammable surfaces or cut-out edges must be protected with fire protection fabric.

The infrared heater does not require any maintenance.

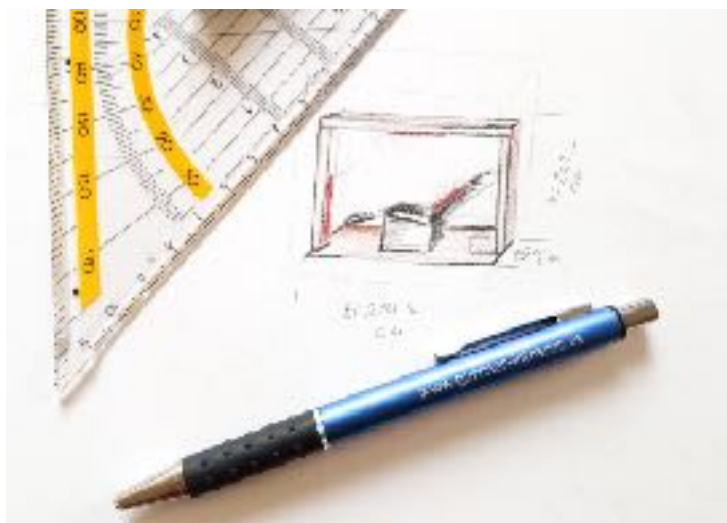
Never let children use the infrared heaters unsupervised!



The assembly

Assembly instructions:

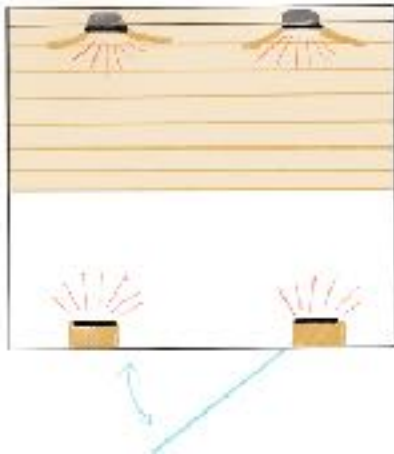
- Warning: several parts are fragile! You should therefore check the infrared heater before installing it. Always lay it flat on the floor on the protective film during your work. Damaged infrared heaters must not be installed.
- External dimensions: 88cm x 17.2cm; Frame structure approx 1.5cm; Case depth about 6.5cm
- Cutout dimension: 160x867mm
- Minimum distances:
 - 500W back heater: 30 cm or less with dimmer; required installation depth: 6,5cm case + 1,5cm ventilation
 - 750W front-, ceiling- oder benchheater: 45 cm; required installation depth: 6,5cm case + 1,5cm ventilation
 - 1300W ceiling heater: 70 cm; required installation depth 6,5cm case + 20cm ventilation
- Front heaters should not be installed at face height.
- Minimum distance between infrared heater and sauna floor: 5 cm
- Minimum distance between the upper edge of the heater and the sauna ceiling: 20 cm
- Minimum distance between two vertical infrared emitters up to a maximum of 750W: 20 cm
- Minimum distance to other materials e.g. backrest at 500W: 5cm, 750W: 8cm, 1300W: 15cm
- Before and during installation, always check whether the connection cable of the tube is in the guide (recess in the flocked aluminum rail).
- In the case of vertical installation, the connection line must be at the bottom.





Mounting positions

Mounting positions in the infrared cabin:



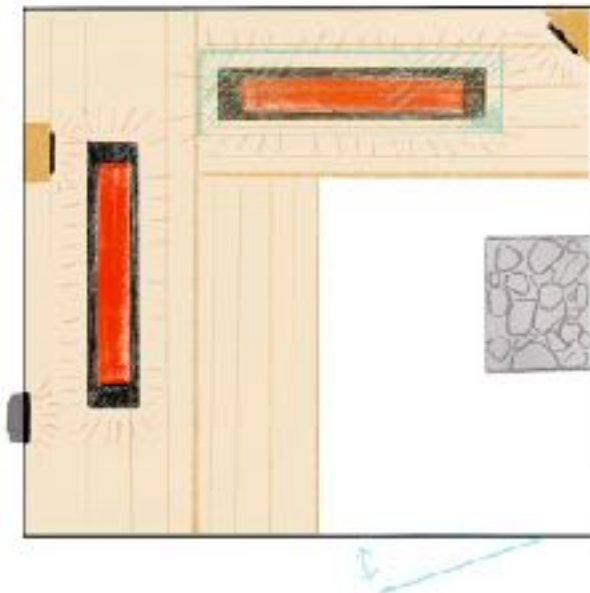
The most common variant of the infrared cabin is a cabin with seats.

The back radiator should be positioned exactly on the spine.

If possible, the front radiator should be opposite. It can also be slightly offset.

A ceiling heater is installed in larger infrared cabins for lying down.

Mounting positions in the Sauna:



Depending on your preference, the back heaters can be integrated into the sauna wall or installed on the wall by using a wooden casing. Installation in a corner is also possible.

The air temperature is usually preheated with the sauna heater, as the front heater can usually not be optimally positioned.

Under-bench heaters can be installed under a thick ESG glass for lying areas (attention! Cover with a towel when the sauna is in use, the glass gets hot) .

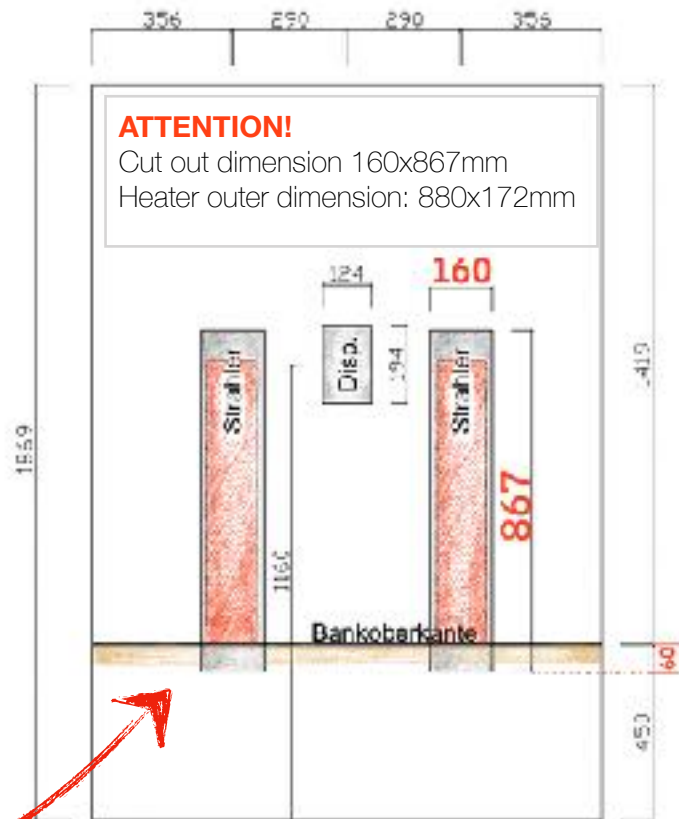
The ceiling heater should always be attached in the middle of the bed. So you can change your lying position as you like.



Mounting position using the example of an infrared cabin. In a sauna, the infrared heaters are set higher accordingly.

Position the back emitters so that they are behind your spine.
The cutout should be about 6 cm lower than the upper edge of the bench, so the infrared radiation begins directly on the bench.

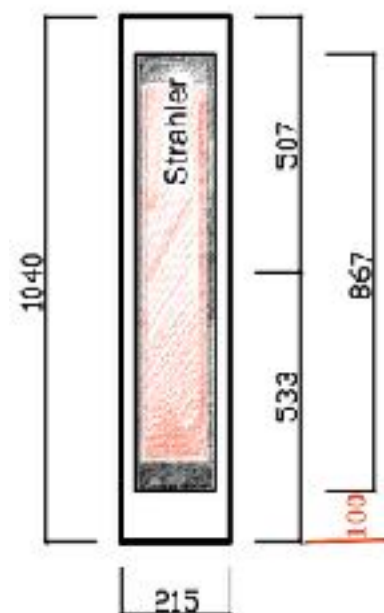
The display can be installed in the infrared cabin at any height (but not above the heater).
In a sauna it should be closer to the bench (the temperature is lower there)



ATTENTION!

Mount the heater lower than the upper edge of the bench.

In the case of the front heater, the cut-out is set approx. 10 cm above the floor (correspondingly higher in a sauna). The front heater optimally heats the leg area and upper body.





Mounting options

For all installation options, make sure that the infrared heater is adequately ventilated and that there is no heat build-up. Do not forget to install the fire protection (fire protection tape and possibly fire protection fabric). Also pay attention to loose cables, insulation material, vapor barriers, etc.

Wall installation:

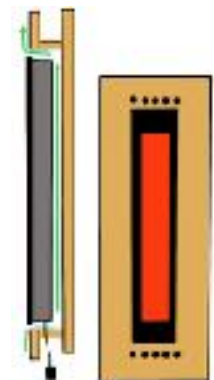
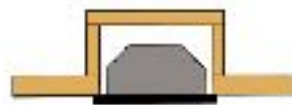
Vertical installation in the wall,
Continuous ventilation duct from bottom to top.

With thick walls (e.g. logs), make sure that they are bevelled so that the air can circulate.



Wall integration:

If a continuous ventilation duct is not possible,
the hot air must be diverted into the cabin interior.





On-wall mounting:

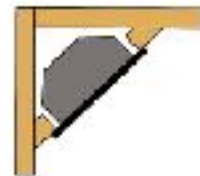
Alternatively, a well-ventilated wooden body can be placed on an existing wall and the heater integrated into it. The hot air is discharged in the same way as during installation or integration.

Example of a wooden body.



Corner installation:

Air evacuation as with installation or integration.

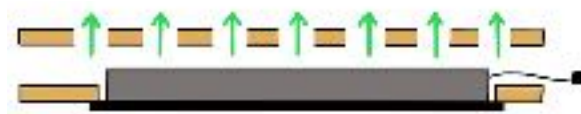


Ceiling installation:

The 1300W heater is only suitable for ceiling installation. If an installation housing is required or the ceiling is double-walled, ventilation openings must be provided.

Make sure there is sufficient distance to the existing ceiling! Min. 25 cm.

In the case of smaller distances, the surfaces must be protected with fire protection fabric.





The installation of the infrared heater

Prepare the cutout for the heater.
Remove sawdust and wood dust.
Fasten the fire protection tape in the woodcut edge (e.g. with clips). Protect any flammable surfaces with fire protection fabric.



You can now insert the installation housing into the prepared cutout.



To mount the infrared heater flush, you can cut out the wood in the places where the metal tabs are.

ATTENTION!

Carefully remove this point with a knife or a chisel in order to install the heater flush.





The housing is fixed in the wood with screws at the top and bottom.



Make sure that the connection is always at the bottom when the infrared heaters are installed vertically!

If you are using system cables, you can already connect them firmly to one another at this point. Always make sure that the plug connection cannot accidentally come loose.

Use a strain relief if necessary.



You can now carefully insert the infrared heater into the housing. Be careful not to pinch any cables. Fix the heater to the outermost screw holes in the housing.



You can now cover the screw openings with the plastic caps.



ATTENTION!

One of the long sides is rough (due to the injection molding). It comes on the inside and provides more hold. The smooth side is on the outside.





Control ICON 230 TOUCH

This control forms a ready-to-plug-in system with the Infrarotmed deep heat emitters. You can plug in up to 4 heaters (max. 3,600W total power) and regulate them separately in 1% steps from 0-100%.

The display is splash-proof and can therefore also be installed in a sauna. The separate power unit is connected to the display via a data line and plugged into a conventional socket with a protective contact plug (note the fuse protection of the supply line!)

Functions:

plug in ready for up to 4 heaters

Off timer, default setting 30 minutes

4 separately controllable heating circuits 0-100% output



ICON eco1 controller

You can also use the ICON eco1 controller to control an Infrarotmed infrared heater. It is installed like a conventional dimmer.

Functions: on / off, stepless regulation





COLOR LIGHT

With an extra strong colored light you give atmosphere to the entire room.
A high-quality colored light not only enhances your sauna or infrared cabin, it bathes the entire environment in atmospheric light.

Attention: not all colored lights are also suitable for the high temperatures during sauna operation.
With us you will also find a high-quality LED colored light that can be installed in the infrared cabin as well as in the sauna.





Backrest ERGO-FLEX

With the use of our backrest, the infrared application is even more pleasant. It is not possible to lean directly against the infrared heater.

Our Ergo-Flex backrest can be adjusted in height in 5 levels. The side wings are movable and adapt optimally to the body.

Mount the hook strips (with the recess facing downwards) flush with the spotlight at the top - and you're done. The backrest can now be attached and removed again if necessary or for cleaning.



ATTENTION!

The hook rails and infrared heater are flush.





Backrest HaLu



The HaLu backrest is made of fine aspen wood with height-adjustable headrest. The flexible plates offer comfortable seating.

No assembly is necessary, the backrest can be placed in any position.



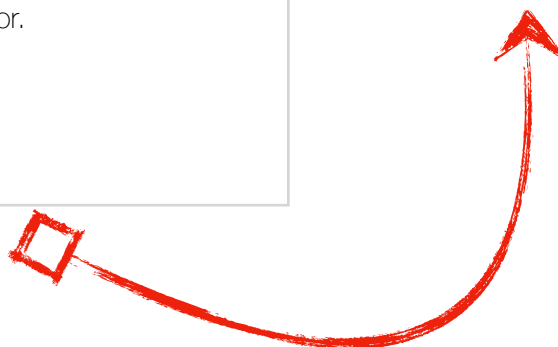


Instructions for safe use:

- Attention hot surface! The filter disk of the infrared heater can get very hot and remains hot for some time even after it has been switched off! Watch out for unintentional contact, use a backrest in the back area.
- Pay special attention to children, they must not use the heater unsupervised! In general, children are not allowed to use a sauna or infrared cabin without supervision.
- Do not cover with towels or the like! Fire hazard!
- Do not stare into bright light for long periods of time, this can damage your eyes.
- A maximum application time of 30 minutes should not be exceeded. Profuse sweating can impair the circulation.
- If you suffer from an illness or are not sure whether the use of an infrared cabin is suitable for you, please consult your doctor. You may not use the infrared cabin, for example, with: open wounds, after operations, with eye diseases, with severe sunburn, during pregnancy and when you are under the influence of alcohol.
- Deliberately remaining in the radiation field despite heat pain can lead to burns.
- After a 30 minute session, the materials must cool for at least 20 minutes.
- If you use an infrared heater in the sauna, the air temperature should only be around 30 to 35 ° C. A joint operation of infrared and sauna must be avoided. Do not use the sauna heater together with the infrared heaters and do not make any infusions during the infrared session. This could overwork your circulation.
- Attention with reclining cubicles: the ceiling spotlight may only be used when you are in a reclining position. Head irradiation should be avoided at all costs.
- To avoid fire, do not dry clothes or the like in the infrared cabin and do not leave towels or other flammable materials in it.
- To avoid burns and electric shock, do not touch the infrared heating elements or use metal tools on them.
- Do not spray liquids on the heating elements. Doing so could result in electric shock or damage to the heating elements.
- Make sure that no lint or foreign objects get on the hot infrared heater.
- During pregnancy, illnesses (e.g. sensory disorders, even after treatments of the skin, paralysis, epilepsy, high blood pressure, scars in the back area, implants with external access, ...) or the use of medication, especially when taking medication that senses warmth talk to your doctor before use.
- Only use emitters that are in perfect condition.

ATTENTION!

In the event of illness or if you are unsure, always contact your doctor.



GURTNER
W E L L N E S S



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