



FinTec SVEA sauna heater
6 kW
9 kW
10.5 kW

**Made
in
Germany**

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General information

Please read the information in this manual carefully. These provide important instructions for the safety, installation, use and maintenance of the appliances.

The manufacturer is not liable if the following instructions are not followed. The appliances must not be misused, i.e. used contrary to their intended purpose.

Symbols in warning notices

In these assembly and operating instructions, a warning is attached before activities that pose a danger. It is essential that you follow these warnings. This will prevent damage to property and injuries, which in the worst case could even be fatal.

The warning notices use signal words that have the following meanings:



WARNING!

... indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



NOTICE!

... indicates a potentially dangerous situation that can lead to minor or slight injuries if not avoided.

Before switching on the sauna heater, always check that there are no objects on or in the immediate vicinity of the heater.



WARNING!

Very high temperatures are generated on the surfaces when the sauna heater is in operation. There is a risk of burns on contact. Please always ensure that children or infirm persons are not left unattended.



WARNING!

Covering or improperly filled sauna heaters can cause a fire hazard.

Delivery condition, packaging, recycling

The scope of delivery consists of a sauna heater.



WARNING!

The stainless steel surfaces of the appliance are protected against scratching with protective film. Always remove the protective film completely before commissioning.



NOTICE!

Any imprints on the stainless steel surface can be removed with methylated spirits!

During initial start-up, odours may occur due to the evaporation of unused materials. For this reason, ventilate thoroughly when heating up for the first time.

The packaging of your high-quality appliance is limited to what is absolutely necessary and always consists of recyclable materials.

Packaging and appliance parts are labelled accordingly within the scope of existing regulations/possibilities so that they can be sorted for recycling or proper disposal at a later date.

Attention: Properly dispose of packaging material, subsequent replacement parts and old appliances or appliance parts to be scrapped.



Disposal of the old appliance

Old electrical and electronic appliances often still contain valuable materials. However, they may also contain harmful substances that were necessary for their function and safety. In residual waste or if handled incorrectly, these can harm the environment. Please help to protect our environment! Therefore, please do not dispose of your old appliance in the residual waste. Dispose of your old appliance in accordance with local regulations.

Important notes

Very high temperatures are generated during operation, particularly at the sauna heater. There is a risk of fire if the heater is installed incorrectly. For this reason, the information in these instructions must be strictly adhered to.

- The electrical connection of the sauna heater, the control unit and other electrical equipment must be carried out by a specialist. DIN VDE 0100 Part 703 must be observed.
- Local safety measures must be observed.
- The sauna heater is designed for connection to three-phase current 400V AC 3/N/PE.
- The sauna heater may only be used in sauna cabins made of suitable, low-resin and untreated material (e.g. Nordic spruce).
- The **interior height** of the sauna cabin must be **at least 2.0 metres**.
- The output of the sauna heater must correspond to the volume of the sauna cabin:
 - 6 kW → ca. 6 - 10 m³
 - 9 kW → ca. 9 - 12 m³
 - 10.5 kW → ca. 10 - 14 m³
- **Ventilation openings** must be provided in the sauna cabin. The ventilation opening must be located behind the sauna heater approx. 5-10 cm above the floor. The minimum cross-sections for the ventilation openings are **35 x 5 cm**
- The ventilation opening is always positioned diagonally to the sauna heater at the bottom of the rear sauna wall. The ventilation openings must not be closed. Please also observe the sauna cabin supplier's instructions.
- FinTec sauna heater control units must be used to regulate or control the sauna heater. The control unit must be installed in a suitable position on the outer wall of the cabin. The sensor housings are installed inside the cabin in accordance with the installation instructions for the control unit.
- The cabin lighting with the associated installation must be of the 'splash-proof' type and suitable for an ambient temperature of 140°C. Therefore, only a VDE-approved sauna light with max. 40 watts may be installed in conjunction with the sauna heater.
- If the sauna heater is operated via a residual current device (residual current circuit breaker), no other electrical consumers should be protected by this residual current circuit breaker.

Structure

Minimum distances

When assembling the sauna heater, ensure that the distance from the **top edge of the sauna heater to the sauna ceiling is at least 110 cm** and that the **sauna height is at least 200 cm**. The lateral distance between the sauna heater and the **cabin wall must be at least 5 cm** (see Fig. 2). The distance to the heater safety grille or to the **bench** must also be at least 5 cm. The height of the protective grille must be flush with the top edge of the heater.

The floor under the sauna heater may be made of combustible materials. However, it is recommended that it is made of non-combustible material. As the sauna stones become brittle due to the temperature changes and stone splinters can be washed onto the floor with the infusion, damage could otherwise occur. It is also advisable to use dark-coloured floor and joint materials, as the infusion water absorbs impurities from the stones and can stain the floor.

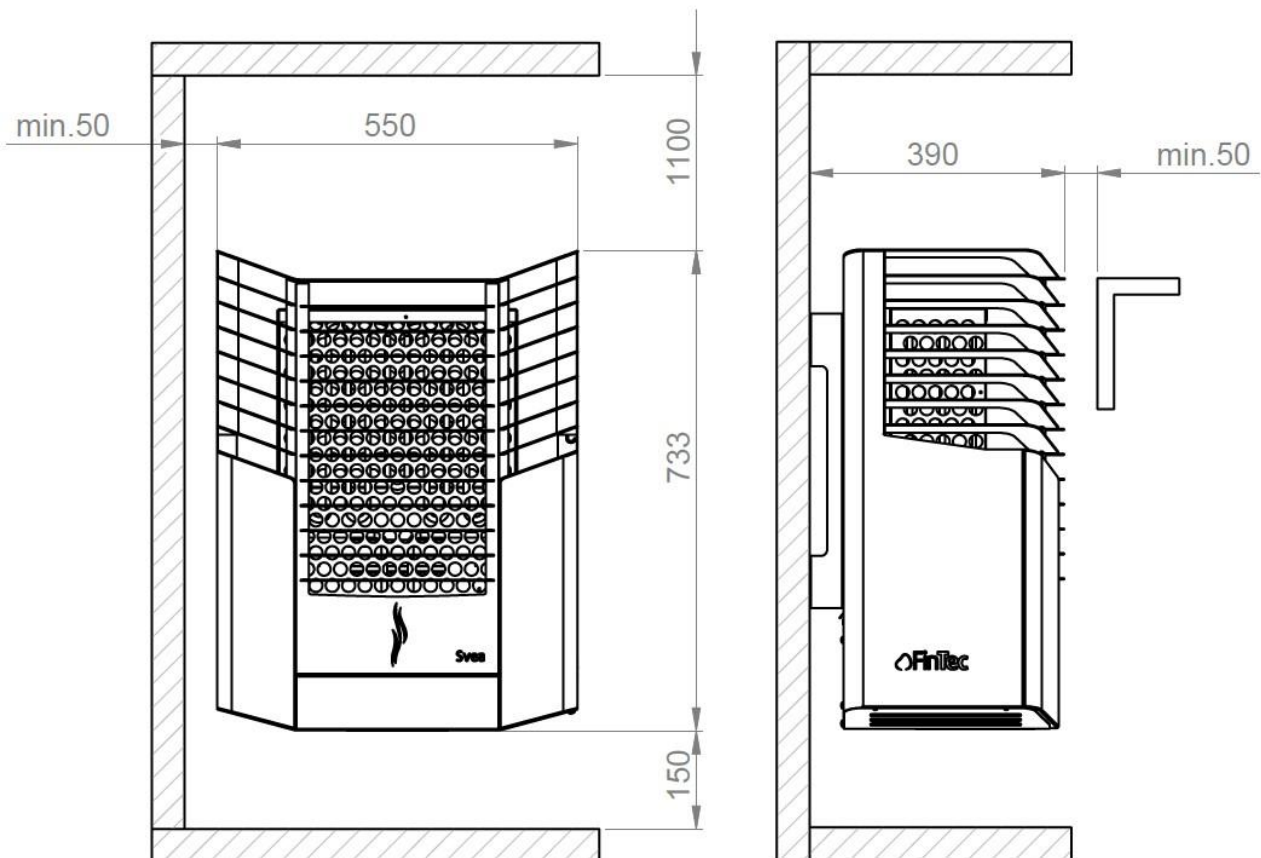


Fig.2

Electrical connection

The sauna equipment (sauna heater, control unit, lighting, etc.) may only be permanently connected to the mains by a licenced electrician in compliance with the applicable regulations. All connecting cables must be suitable for an ambient temperature of at least 140°C (e.g. silicone cables). The minimum cross-sections of the connecting cable can be found in Table 1. For safety reasons, live cables should not be laid visibly on the cabin walls. If available, use the empty conduits in the wall elements. If no empty conduits are available, drill an approx. 12 mm hole in the cabin wall directly next to the sauna heater, where the cable comes out of the heater, and lead the cable through this hole to the control unit on the outside. All connection cables should also be protected from damage on the outside, e.g. by laying them in installation pipes or attaching wooden cover strips.

Performance	Sauna cabin volume	Ventilation opening	Three-phase connection cables	Safeguarding
6 kW	6 – 10 m ³	35 x 5 cm	5 x 2.5 ²	16 A
9 kW	9 – 12 m ³		5 x 2.5 ²	16 A
10.5 kW	10 – 14 m ³		5 x 2.5 ²	20 A

Table 1

Assembly sequence

- Loosen the control panel on the sauna heater. To do this, loosen two screws on the base plate (see Fig. 3)
- Fold down the front of the control panel. Then remove downwards and to the front.
- Insert the connection cable through the strain relief and connect according to the wiring diagram (see Fig. 4).
- Tighten the strain relief firmly so that the connection cable is securely fastened to the sauna heater.
- Reassemble the control panel in reverse order. To do this, insert the hooks at the back into the opening in the base and fold upwards at the front.
- Tighten the control panel with the two screws.

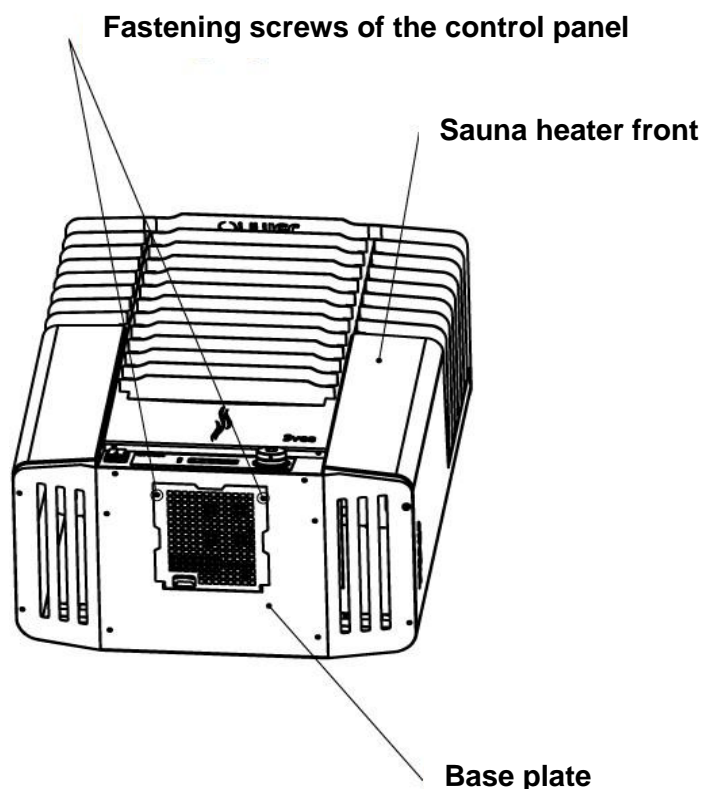
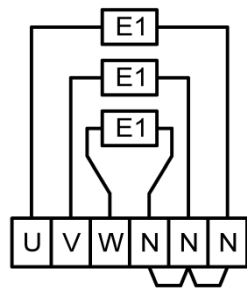


Fig.3

**Internal circuit diagram sauna heater
for three-phase connection 400V AC 3/N/PE**



E1 Radiators

Fig.4

**Wiring diagram sauna heater
for three-phase connection 400V AC 3/N/PE**

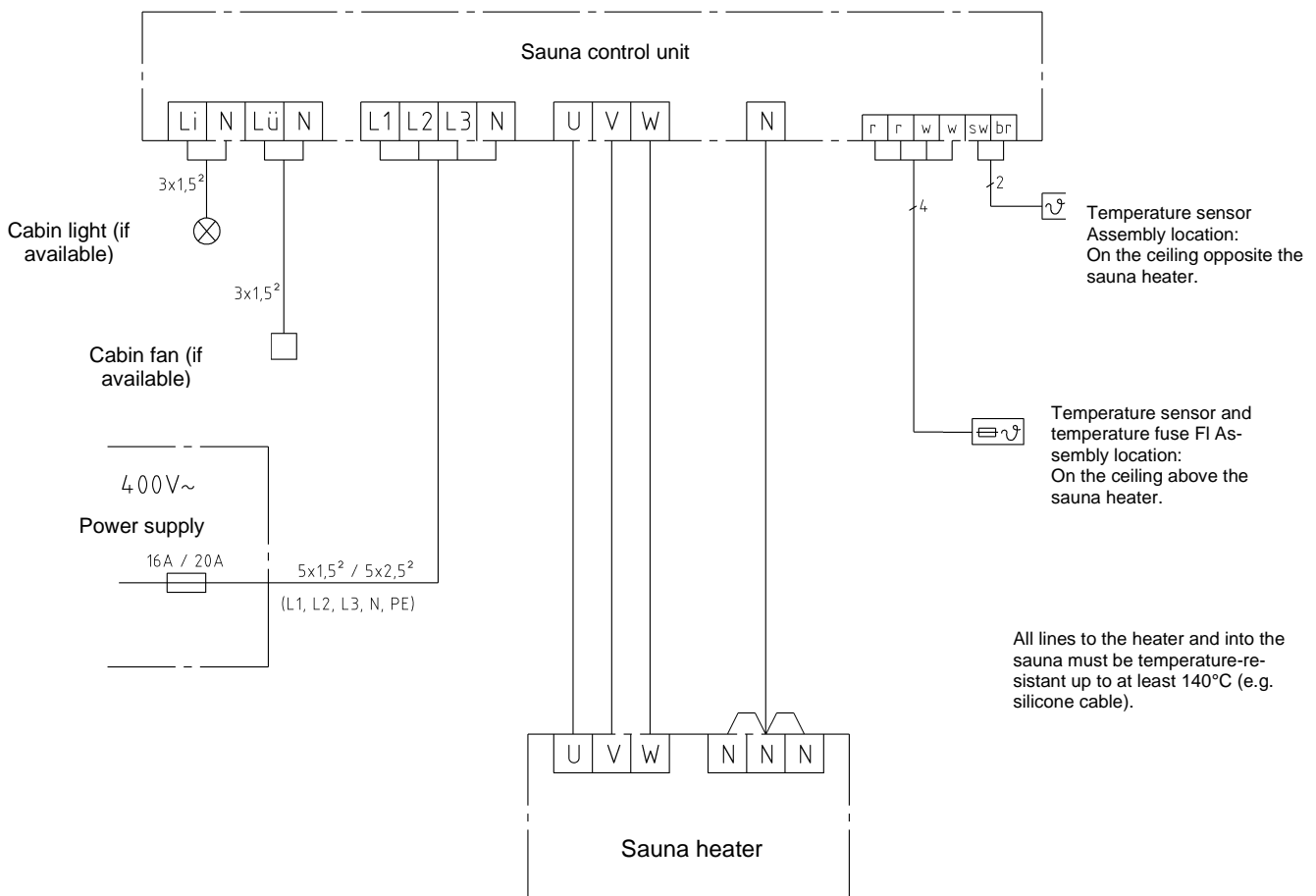


Fig.5

Recommendation for commissioning the sauna heater

It is known that the heating elements are hygroscopic, i.e. they can absorb moisture, which can cause the RCD to trip without an actual fault being present.

In this case, the sauna heater must be heated up by a specialist under supervision, whereby the protective function of the RCD is deactivated. Once the moisture has escaped from the heating elements after approx. 10 minutes, the RCD can be reactivated.

If the sauna heater is not used for a longer period of time, it is more likely that the heating elements have absorbed moisture and the RCD will trip. For this reason, it is advisable to heat up the sauna heater regularly for several minutes.

Operating instructions for the user

Sauna stones

Only use special sauna stones intended for sauna heaters to fill the sauna heater. We recommend size 1 sauna stones. Approx. 60 kg of sauna stones fit into the sauna heater.

- Remove stone dust from the stones before stacking.
- Place the stones loosely so that air circulation is guaranteed. For this reason, place the stones in such a way that as many gaps as possible remain for the hot air to flow through.
- The stones become brittle due to temperature changes. For this reason, re-lay at least once a year and replace stones that are too small if necessary.



WARNING!

Covering or improperly filled sauna heaters can cause a fire hazard.

Infusion

Water can be poured onto the hot stones of the sauna heater to increase the humidity. The amount of water is used to regulate the infusion humidity. It is recommended that only small amounts of water are poured onto the stones at first so that the effect of the moisture on the skin can be observed. Too high a temperature and humidity feel unpleasant. Spending too long in a sauna that is too hot will cause your body temperature to rise, which can be dangerous.



WARNING!

Do not pour water on the stones if anyone is in the immediate vicinity. There is a risk of scalding from the hot vapour.

Only water that fulfils the quality regulations for household water should be used as infusion water. Only fragrances labelled for this purpose may be used in the infusion water.

Warnings

- Sea air can cause the metal surfaces of the sauna heater to rust.
- Never use the sauna to dry laundry due to the risk of fire.
- Beware of the hot sauna heater. Stones and metal surfaces become very hot and can cause burns if touched.
- Never pour excessive amounts of water onto the hot stones. The resulting vapour can cause scalding.
- Never leave children, disabled, old or weak persons unattended in the sauna.
- Always consult your doctor if you have any health restrictions.
- Move carefully in the sauna as the benches and floor can be slippery due to the humidity.
- Never enter the sauna if you are under the influence of narcotics (medication, drugs, alcohol, etc.).

Malfunction

If the sauna heater does not heat up, first check the following points:

- Is the sauna heater connected to the power supply?
- Is the fuse intact?
- Is the thermostat set to a higher temperature than that prevailing in the sauna?
- Is the clock switch on the control unit activated?

Appliance label

The type-specific technical data is specified on the appliance label. You will find the appliance label at the bottom left of the appliance.

Spare parts

Please request any spare parts you may need from your specialist dealer. Only original spare parts may be used. The product number and serial number stated on the appliance plate are always required for all spare parts enquiries. You will find the serial number on the front of the control panel. We recommend that you enter the product and serial number here during installation:

Product number: _____

Serial number: _____

General guarantee terms and conditions

Dear customer,

In the case of warranty claims, the country-specific legal claims apply, which you should assert directly with your dealer.



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