

TYLÖ®



S A U N A S

S H O W E R S

S T E A M B A T H S

Hints on how to plan a steam room.

All Tylö steam rooms and steam generators are supplied with detailed assembly and installation instructions. Please note the following points, however, before commencing installation work.

Source of heating

The steam room is heated up by the steam generator. There should be no other source of heating in the steam room apart from the steam generator itself. The ambient temperature outside the steam must not exceed 35°C. The normal bathing temperature in the steam room is approximately 45°C with 100% humidity. The steam generator only produces steam when the temperature in the steam room is lower than the temperature set on the generator's control panel. If there are other sources of heating in the steam room, steam generation will stop or be intermittent.

Ventilation

As a general rule no special ventilation is required for steam rooms in homes or those used for only short periods of time. However, for reasons of hygiene and to ensure trouble-free operation, all steam baths that are in use for more than 2 hours at a time must be connected to some form of mechanical ventilation that replaces 10–20 cu.m. of air per bather per hour. Otherwise the relative lack of heat-loss in the steam room has a negative effect on steam production.

Materials and design

Steam room materials must withstand high humidity and high temperatures. The floor must be made of a non-slip material and slope towards a floor drain. The roof should be domed or sloping to prevent hot condensation dripping on the bathers below. The simplest solution is to buy a prefabricated Elysée or Excellent room, a Tylette Centre cabinet or a Tylö Felicity multi shower. We always recommend installing a shower in domestic steam rooms.

Steam bath lighting must be 12 V or 24 V. Lighting is included in Tylö Elysée steam rooms, Tylette Centre cabinet and Tylö Felicity multi shower.

Steam generator

The steam generator needs to be connected to water, drainage and electricity. In areas with hard water (over 5° dH), we recommend installing a water softener, such as the Tylö automatic descaler on the feed pipe. This is particularly important for steam baths in continuous use.

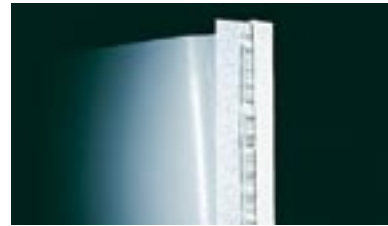
Tylö steam generators may be located up to 15 metres from the actual steam room; for example, in a well-ventilated cabinet or machine room above, below or on the same floor as the steam room. The steam is led to the steam room via copper piping (at least 12 mm internal diameter) insulated with plastic. Ensure that there are no sharp bends or elbows in the pipe where water may gather.

Choose a steam generator with a capacity suitable for the volume, construction and ventilation (if installed) of the steam room in which it will be used. See the table on page 115.

Basic principles for Tylö steam room installations



- A steam room may be installed directly on quarry tiles, marble or seamless vinyl floor-covering. Floors must slope towards a wastewater outlet, preferably located in the centre of the steam room.



- The construction is self-supporting. No supporting walls are necessary. Steam rooms may be assembled freestanding, against a wall or in a corner.
- Wall and roof sections are connected using special-grade silicone which both bonds and seals. The sections are then screwed together with the help of sturdy battens to form a safe, stable and absolutely steamtight construction.



- The air outlet vent in the roof (not over a seat) is connected to a ventilation channel that discharges spent air into the open. Existing ventilation shafts may be used.
- It is advisable to install a shower in steam rooms in domestic properties. This can be done in connection with the steam room assembly work. One suitable alternative is to install the Tylö service section complete with gentle shower and massage shower functions, riser rail and shelf compartments, etc.
- The steam generator may be concealed in a well-ventilated cabinet.



- Install the steam head between 5 cm and 40 cm above floor level. Direct the jet of steam horizontally under the seats. There must be free passage for the steam jet of at least 70 cm (more if possible) before its path is impeded by any fixed object.

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