dröm®
sauna steam spa

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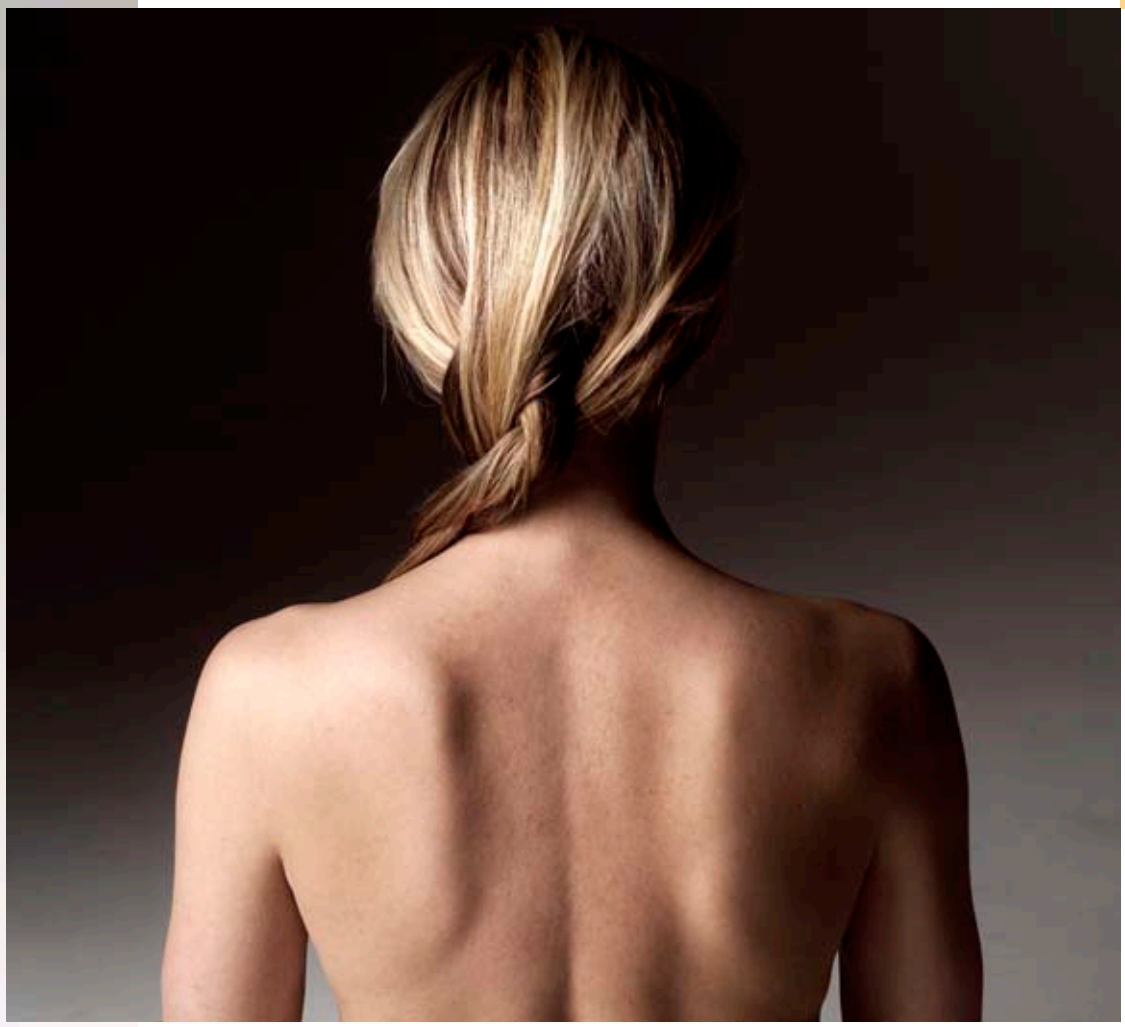


Infrared heat.

After more than half a century's experience as an innovator in sauna and steam bath technology the Tylö name has become almost synonymous with this segment. What is less well known is that we have been manufacturing infrared equipment for just as long and that we have acquired a unique fund of know-how and experience of this type of product over the years.

Heat is essential for good health. Regardless of the source – infrared radiation, saunas or steam baths – heat stimulates the body's metabolism and increases the sensation of mental and physical wellbeing.

Radiation such as that produced by Tylö infra-panels penetrates deep into the body and is widely used by beauticians the world over to enhance the efficacy of a number of skin treatments. Infrared radiation is also used in various types of medical therapy to alleviate the symptoms of rheumatism and aching muscles. Even if a scientific explanation for the medical effects of infrared technology has yet to be formulated, no one can deny the feeling of wellbeing that spreads through the body when the warm rays meet your skin.

Standard Tylö Grand Luxe sauna room, with optional glazed section 52 VENT, finished externally in sober white lacquer. Complemented here with two 710 infra panels between the benches and two 925 infra panels on the wall.

Infra Multi-sauna.

Infrared panels can be used to speed up the heating of a sauna room. The radiation works immediately, so you can start to relax on the sauna benches as soon as you wish, without first having to wait for the sauna heater to warm up the air. This is where Tylö's individual infra-panels come into their own. Install as many as you need for your bathroom.

Tylö infra-panels are top-quality constructions, each with its own on/off switch, inbuilt thermostat and dependable temperature cut-off for safety and peace of mind. They are also stylishly designed with wooden trim in alder and aspen to match the colour of the sauna room walls.

Optimum safety – with temperature cut-off and separate thermostat.

Unsurpassed durability – Tylö's own infrared emitters are of the very highest quality and are your guarantee of peace of mind.

Health-promoting heat – IR-B and IR-C radiation is used in medical therapies and beauty treatments all over the world.

Elegant design with removable decorative trim in alder and aspen to match or contrast with the wooden panelling of the walls.

Infra-panels are designed to fit between the benches and on the walls in all Grand Luxe and Classic sauna rooms, from the smallest up to size 2025.

Infra-panel 710 (Art.no. 9001 1250)
Size: 710 x 340 x 96 mm. 290 W.

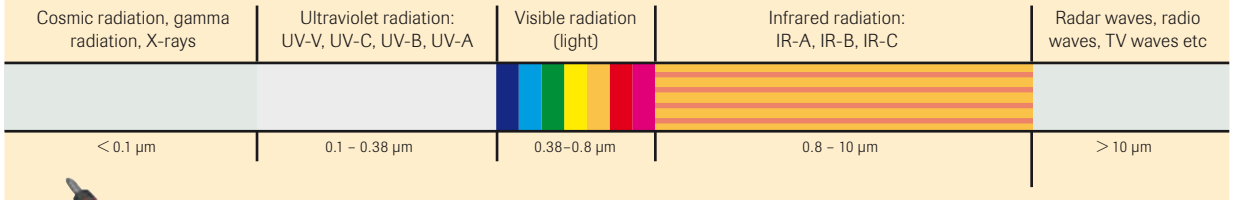
Infra-panel 925 (Art.no. 9001 1260)
Size: 925 x 340 x 96 mm. 450 W.

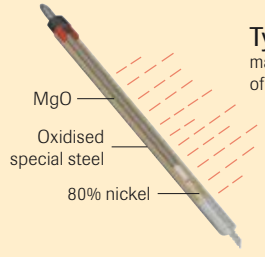
Infra-panel 1070 (Art.no. 9001 1270)
Size: 1070 x 340 x 96 mm. 560 W.

TS-Infra control panel (Art.no. 7010 1000)
Regulates time and temperature settings. For wall-mounting outside the infra cabin. Size: 195 x 255 mm, depth 89 mm. (Inst. size: 167 x 227 x 49 mm)

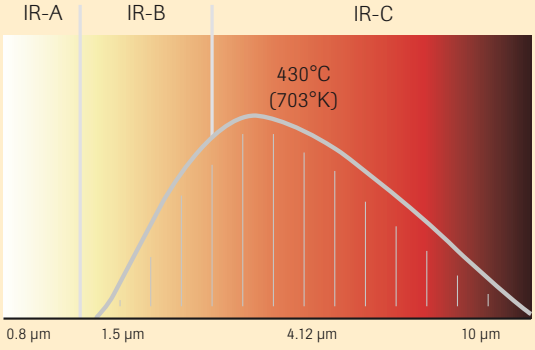
Tylö Infra units emit healthy, beneficial infrared radiation (IR-B and IR-C).

Electromagnetic spectrum λ µm

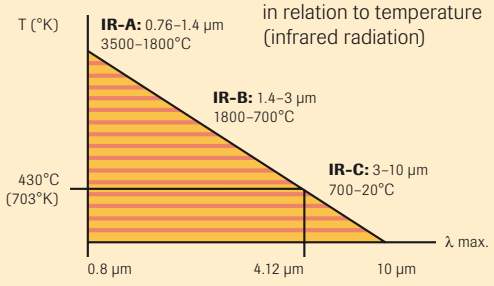




Tylö infrared heater
max. 430°C (703°K) temperature of outer mantle. λ max. = 4.12 µm



Wavelength λ max.
in relation to temperature (infrared radiation)



$$\lambda \text{ max.} = \frac{2898}{T\ (°K)} \Rightarrow \lambda \text{ max.} = \frac{2898}{(430+273)} = 4.12\ \mu m$$

The tubular elements in Tylö Infra cabins have a *low* surface temperature. This produces a wavelength spectrum in the range 1.5–10 µm (λ max. 4.13 µm). As the diagram shows, this wavelength includes a mix of both mid infrared (IR-B) and far infrared (IR-C) radiation.

Medical therapies requiring deep penetration tend to use short-wave or "near infrared" radiation (IR-A), which is produced by heat sources with a *high* surface temperature.