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Surface cooling saves up to 30% energy costs

Summer is just around the corner and temperatures are rising fast. This is the time when we look for refuge in the cool environment indoors. Surface heating is healthy, silent, and saves up to 30% energy.

Large areas – low energy costs

The wall or ceiling cooling cools over the entire surface area. This provides not only a comfortable atmosphere, but also saves energy: The greater the area used for cooling, the faster a comfortable room climate is created.

Surface cooling also saves on energy costs during ongoing operation. If the ceiling or wall is cooled, a person in the room will already feel comfortable from a temperature of around 26 °C, thanks to the exchange of radiant energy. By comparison: If air conditioning is used to cool the room, the room temperature must be cooled down to around 23 °C in order to achieve the same comfort effect. With water-bearing surface heating, you save up to 30 percent energy costs.

Surface cooling works by exchanging radiant energy

Cold water circulates through the pipes and cools the surfaces on the ceiling and wall. The human body passes the excess heat into the cool surfaces in the environment. A comfortable room climate is created.

Surface cooling uses the entire surface on the ceiling or wall as a source of cooling, and in so doing, evenly cools the room. The body can slowly adjust to the difference in temperature between the comfortable, cool interior space and the searing heat outside. Rapid cooling of the body by blowing out cold air is a thing of the past.

Benefits. Surface cooling.

- Saves up to 30% energy costs
- Natural, healthy room climate
- Dust-free room air and breathing air
- No forced air
- Silent
- Heating during the winter with surface cooling