

# Tennis Court Heating

More energy efficiency and comfort



**Schwank**  
INNOVATIVE HEATING SOLUTIONS



# Top Climate for Top Athletes

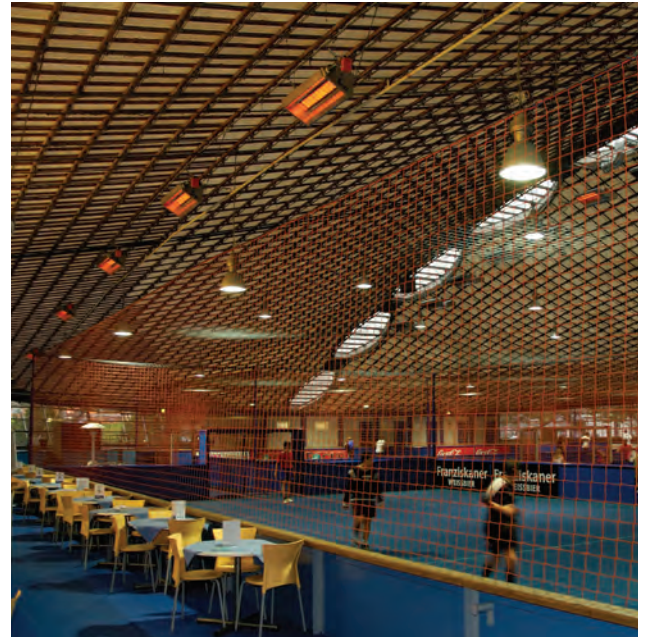
## ■ The Situation

The specific user needs of indoor tennis centres pose specific requirements on heating systems. The selection of the best suited heating system is typically based on the following criteria:

- Short heat-up times
- Zone heating / court heating
- No draft and dust
- Space-saving installation
- Low operating costs
- Quick pay-back
- Long-life and reliable operation
- Low noise level

Experience has shown that conventional warm air heating systems in tennis halls bring with them a couple of factors which fail to meet the required criteria. They constantly recirculate the air accompanied by a high noise level. And further, a warm-air cushion forms below the ceilings.

This and the fact that zone heating is not possible makes warm air heating an expensive exercise.



## ■ The solution is infrared heat

The effect of this heating principle can be compared with the effect of sun radiation on cold winter days: although the air temperature may actually be quite low, in the sun it is comfortably warm. Infrared radiation is only transformed into heat when making contact with skin, clothes and the floor thus creating a feeling of comfort. This allows for heating, e.g., just one single tennis court instead of heating the whole building which in turn saves a lot of energy.



### **Wolfhard Mueller, Vice-Chairman SC Poppenbüttel:**

„With their fully modulating tube heaters, Schwank has developed the most efficient heating concept. This and the smooth implementation reinforce our decision in favour of Schwank.“



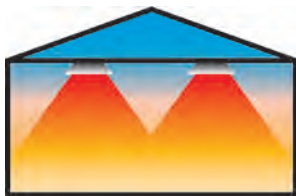
# Advantages of Gas-Fired Infrared Heaters

## ■ Fast heat-up times:

The heat can be felt shortly after switching on the systems. Because infrared heaters are instantly ready for operation, there is no need for long heat-up times. This minimises the energy consumption and costs. This is a huge advantage in terms of energy efficiency, especially when just using the heat for the courts that are being used.



With conventional heating, hot air rises to the top



With Schwank infrared heating heat is directly transmitted where it is needed: to the court.

## ■ Space-saving

The Schwank heating for tennis centres is installed from the ceiling or on the wall. In this way, the playing zone and the lower part of the walls remain unobstructed by heating devices.



## ■ Less costs, more comfort

The heat of gas-fired infrared heaters is transmitted in the form of electromagnetic waves. They penetrate the air without heating it up. In this way the players and the floor are heated. Below the ceiling, the air stays cool.

This saves energy and increases the comfort!



## ■ Cost advantages at a glance:

- Low investment costs
- No heat accumulation below the roof
- Heating of individual courts possible
- Fast heat-up time

## Comfort through Gas-Fired Infrared Heaters

■ Schwank engineers have developed systems which suit the specific requirements of tennis centre heating:

- Robust ball protection guards
- Operation as quiet as a whisper
- Fully modulating operating mode
- High efficiency and thus excellent cost efficiency
- No drafts
- Pleasant perception of warmth
- Quality „Made in Germany“



Tennis court heating /ASEN/2./1314 [Subject to technical changes]

As a German manufacturer, we aspire to a high standard of excellence in delivering products and services of the highest quality. Each of our products guarantees economical operations coupled with a low carbon footprint. With Schwank, you opt for a premier manufacturer.

Over the past ten years, more than 500 tennis centre operators in Europe, North America and Australia have decided in favour of Schwank tennis centre heating systems.



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