

Energy-efficient heating systems for distribution centres



Schwank
INNOVATIVE HEATING SOLUTIONS



Tailor-made heating solutions from the market leader

■ Needs of Distribution Centres

Distribution centres have specific requirements on heating, depending on their use, such as frequently opened doors, high storage racks, different working areas, etc. Although it's not always necessary to heat the stored goods as such, heating systems also fulfil other functions.

For instance, heating systems ensure frost protection of the sprinkler systems. Also it prevents corrosion of high quality stainless steels. Cold draughts usually occur at the loading bays. Inbound goods coming from the cold outdoors can considerably drop the indoor temperatures.

■ Experience counts

Being the market leader of innovative infrared technology Schwank has already heated more than 20 million m² of distribution centres with its energy saving systems. Our customers value both the economic as well as the ecological factors

Energy savings, low operation and investment costs are prime criteria in the decision making.

The unique Schwank heating designs fulfil the specific requirements for distribution centres:

- Despite open doors comfortable temperatures are provided – because infrared heat is absorbed by the floor it does not get lost as quickly, if doors are kept open.
- Balanced temperature levels and comfortable heat in all areas of the building.
- Due to a lack of mechanical air movement inside the building, goods will not be covered in dust.
- If the use of a facility changes [e.g., due to a different user profile or racking], Schwank systems can be easily and flexibly adjusted.



■ **Infrared heating pays off and protects the environment**

Infrared heating systems transmit the heat not through the air, but by means of electromagnetic waves [heat radiation]. Therefore air movements due to open doors have only a very limited impact on the indoor comfort temperature.



Infrared heaters work according to the principle of the sun. Infrared radiation penetrates the air nearly loss-free. They are absorbed by objects such as floors and walls which in turn convert the energy into heat.

This saves energy!

■ **Benefits vs. conventional systems:**

- Low energy cost - potential savings between 30% - 50%
- Lower heat input needed due to effective heat radiation
- Low carbon footprint
- Lower investment costs
- No warm air cushions below the roof
- Possibility of zone / area heating [e.g., in the picking area]
- Ceiling mounted systems not requiring any floor space
- No dust swirls
- Modular adaptation if the use of a facility changes

Heating of a distribution centre

With loading bays / doors on all the sides of the building, only infrared heating systems can heat efficiently.

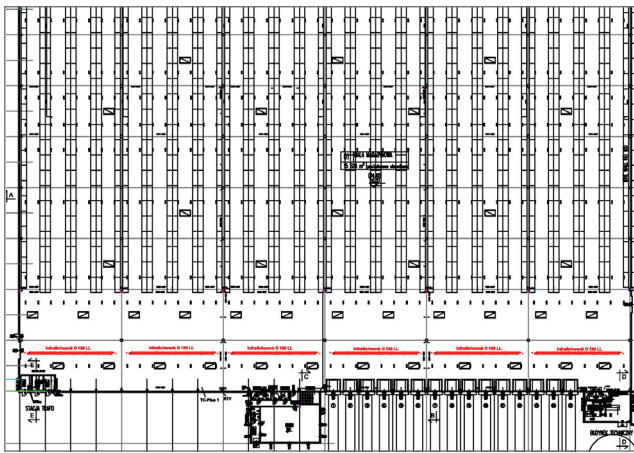


Schwank Service

For more than 70 years, the name Schwank has stood for high-quality and cost-efficient heating systems. Being the market leader for gas fired infrared heaters Schwank has comprehensive experience in using cost-efficient heating systems. More than 150 000 satisfied customers and over 2 million manufactured appliances speak for themselves.

With products “Made in Germany”, we aspire to a high standard of excellence in delivering products and service of the highest quality.

Example Distribution Centre



We provide extensive support with:

- Full Service – design, installation, maintenance and service
- Compliance with regulations
- Heating costs comparison
- Detailed system documentation
- Comprehensive installation and operating manuals
- At least 10 years of spare parts replacement guarantee



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