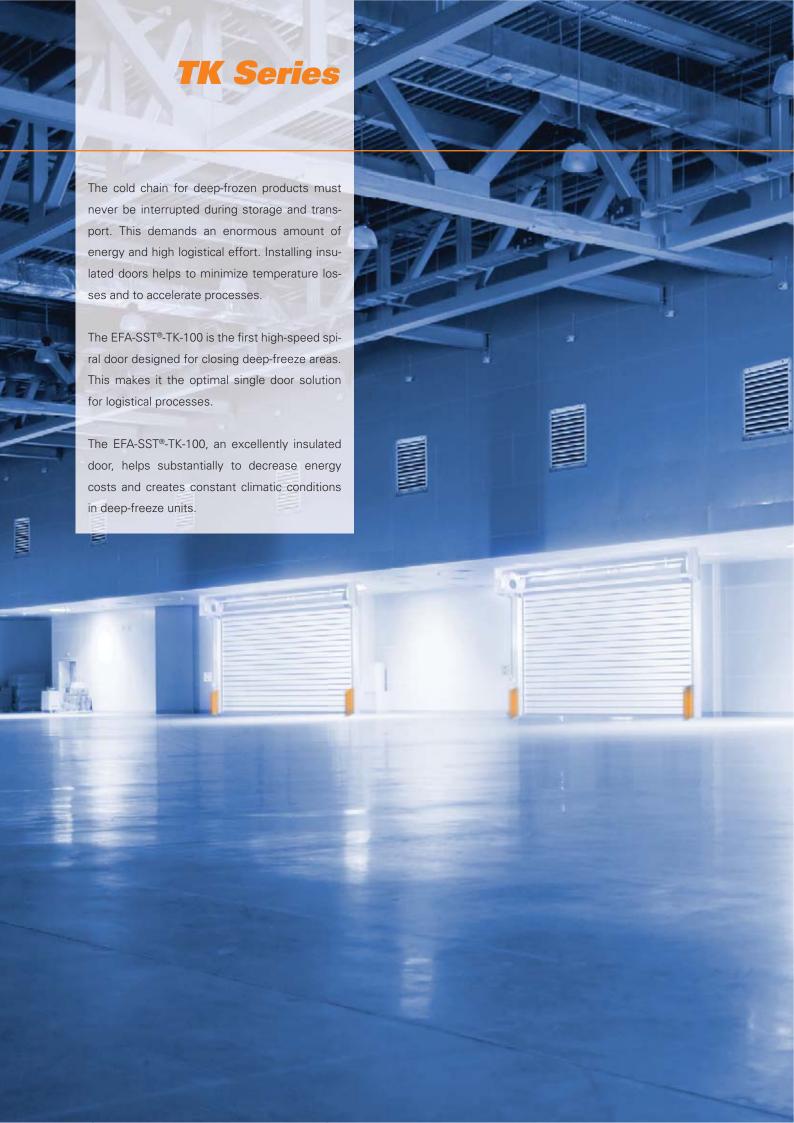
TK Series

High-speed spiral doors for deep-freeze applications

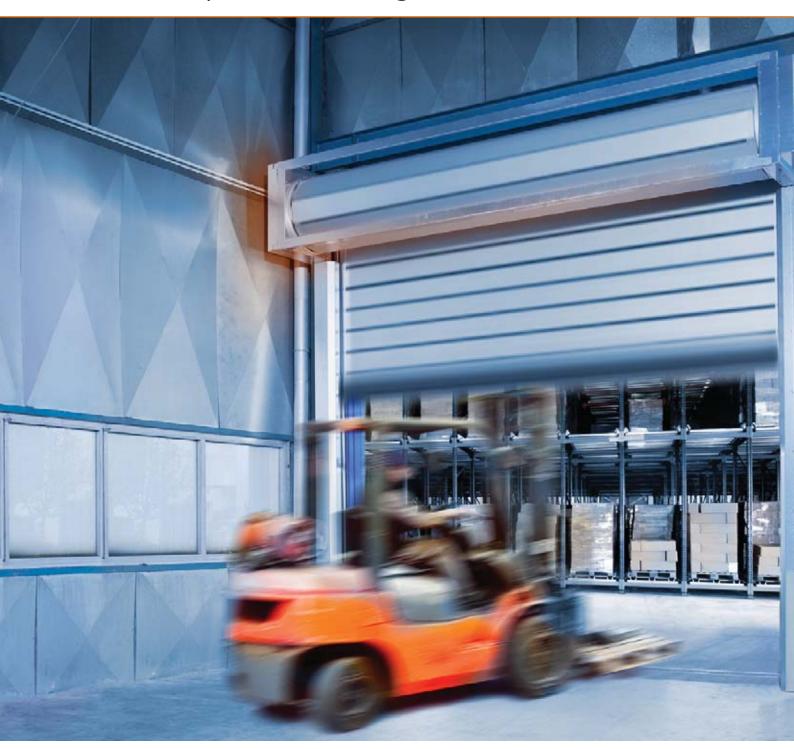








EFA-SST®-TK-100 – The Deep-Freeze Single Door Solution



Leading technologies create real benefits that you can see and notice!

The EFA-SST®-TK-100 is a true specialist! The first truly single door solution for deep-freeze areas that simultaneously reaches highest opening and closing speeds and the best insulation values for spiral doors. The EFAFLEX SST-TK®-100 high-speed door is a high-quality

solution for every deep-freeze room. The door is designed for up to 200,000 load cycles per year and the original EFAFLEX spiral ensures practically wear-free movement of the door blade at up to 2.0 m/s.

Seals tight!

The innovative door design of the EFA-SST®-TK-100 is ingenious. The door features a seal running all the way around the structure and dynamic door blade guidance. This guidance and the spiral are mounted in a way to be movable against the frames. EFA-AFM® keeps the door blade pushed against the door frame, when closed and, combined with the rubber seal, seals the door practically hermetically. Unlike other door designs, the spiral box of the EFA-SST®-TK-100 is mounted on the outer, warm side of the door opening to protect it against increased wear due to cold.

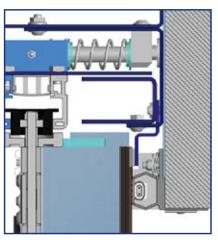
The EFA-SST®-TK-100 at a glance

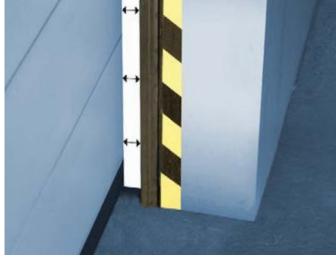
- Optimal deep-freeze single door solution
- Long-lasting high-speed door technology
- CFC free, 100 mm thick insulation laths
- Frames and laths thermally separated
- Energy-efficient heating system in laths and bottom section

The Active Framework Mechanism EFA-AFM® ensures a practically hermetic door seal.

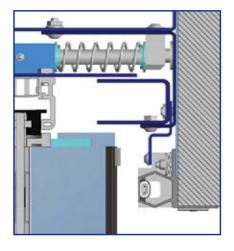


AFM® system closed: The door is hermetically sealed.

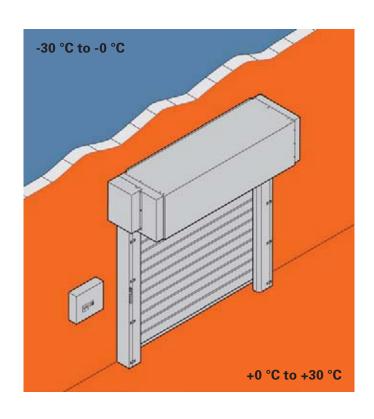




AFM® system open: The door blade is in motion.



Perfection is in the detail



Constant temperature, low energy consumption

The 100 mm thick EFA-THERM® insulation laths of the SST®-TK-100 guarantee better heat insulation than ever before. The laths are thermally separated as a standard.

Braves the frost

Contact surface heaters are employed throughout the entire door, being integrated into the seals around it and into the contact bar strip. These heat the contact surfaces of the seals against the door blade and the floor. The result of this unique design is a U value down to 0.74 W/m²K and operational temperatures between plus and minus 30 °C.

EFA-TLG® Door Light Grid

With the TÜV-certified infrared light grid EFA-TLG® you are on the safe side. The system is self-monitoring and works entirely without contact. EFA-TLG® detects even the smallest of obstacles in the door closing line. All EFA-SST®-TK-100 doors come equipped with an additional accident prevention contact bar on the main closing edge as a standard. This ensures the highest degree of active and passive functionality in consideration of difficult usage and environment conditions in the deep-freeze area. The EFA-SST®-TK-100 therefore also features tension springs integrated into the sides: in the event of e.g. a power failure, the door can be open in a second using a manual lever. Even more features can be integrated at any time for greater safety, such as approach area surveillance, laser scanners and more.



TK Series

Technical Data:

EFA-SST®-TK-100

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[•] Standard, o on request, – not available, * depending on door blade, door blade guidance and door size, subject to technical changes!



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