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Thermo King launches cold storage solutions for COVID-19 vaccine distribution

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Portfolio now includes ultra-low temperature solutions to meet the emerging needs of pharmaceutical customers



Thermo King, by Trane Technologies, a global climate innovator based in the US, has recently expanded its portfolio of temporary storage solutions that can meet the unique requirements of global pharmaceutical companies developing COVID-19 vaccines. Thermo King is the global leader in intelligent end-to-end temperature-controlled cold chain solutions.

Pharmaceutical companies in final-stage clinical trials anticipate they will require strict temperature controls to safeguard their products – down to temperatures as low as -70 degrees Celsius. Thermo King's solutions can enable these companies and their distributors to ensure the efficacy of their products through the entire cold chain – from air transport to marine, rail, trailer, last-mile delivery and at storage points along the way.

According to the World Health Organization, nearly 20 per cent of temperature-sensitive health care products are damaged during transport, and 25 per cent of vaccines reach their destination in a degraded state due to breaks in the cold chain.

Thermo King with its network of trusted dealers and partners can offer temporary storage solutions that maintain a set point down to -70 degrees Celsius, and can ensure end-to-end temperature control solutions.

In addition to launching Cold Storage Solutions, Thermo King has helped customers identify ways to maximize the range of dry ice, which is often used in vaccine transport and storage but has certain limitations. A container using dry ice to keep a product frozen may require re-icing if it sits for an extended length of time or is exposed to extreme ambient weather. Thermo King offers storage solutions that can substantially extend the life of dry ice, or eliminate the need altogether.