

## Medical cold chains from -30°C to -86°C

Flensburg, October 19, 2021

### **New ultra-low temperature cooling compressors save time and resources and facilitate WHO certification**

In addition to many biomaterials, new high potency mRNA-based vaccines against COVID-19, Ebola and CGTs require extremely low temperatures at all stages of the supply chain. Flensburg-based [Secop GmbH](#), an established supplier of cooling compressors for the medical sector, has now launched five new products for this "ULT" (Ultra Low Temperatures from -60°C to -86°C) range. The compressors—one for mobile use, four for stationary use, three of which can also be used in the biomedical range from -30°C to -60°C—are part of a product series specifically designed for medical applications, which will be further expanded in the future. They enable manufacturers of cooling solutions to develop devices with high customer benefits.

The advantages for using Secop ULT cooling compressors are that manufacturers of medical cooling solutions benefit from both the robust products and software tools as well as experts to assist them in product development and customization. This makes for a smooth and efficient process in the validation and verification of the refrigeration unit, thus bringing it to market faster.

Secop's ULT stationary cooling compressors are applicable throughout the global voltage range. They are available for refrigerated containers with volumes from 20 to 200 and from 200 to 500 liters. The mobile cooling compressor, which can be used for 20- to 40-liter refrigerated containers, incorporates the company's experience in battery- and solar-powered active cooling systems. The option of battery or solar operation makes Secop's mobile ULT solution suitable even for the distribution of vaccines and other biomaterials in remote regions with high outdoor temperatures and no power grid.

Jan Ehlers, Secop CEO, "Some of the world's leading manufacturers of medical cooling solutions have been relying on our products for many years. Our experience in such medical applications has helped us to also develop the ULT cooling compressors. Energy-saving and product life-extending measures, as well as a preference for natural refrigerants, make our solutions particularly sustainable and attractive to both users and manufacturers."

[Learn more](#) about cooling compressor solutions for medical cold chains.



## About Secop:

Secop is the expert for advanced hermetic compressor technologies and cooling solutions in commercial refrigeration. We develop high performance stationary and mobile cooling solutions for leading international commercial refrigeration manufacturers and are the first choice when it comes to leading hermetic compressors and electronic controls for refrigeration solutions for light commercial and DC-powered applications.

The group has 1,350 employees worldwide with production sites in Slovakia and China as well as research centers in Germany, Austria, Slovakia, China, and the USA including a dedicated motor competence center (MCC) in Germany to support the development of electronics and motor controls.

Secop has belonged to the ESSVP IV fund since September 2019.

## MEDICAL COLD CHAIN



MOBILE COOLING



STATIONARY COOLING

