

Secop KL-Series Compressors Range

Flensburg, June 30, 2022

Secop presents the new KL-Series, a new premium propane compressor range that is optimized for green and efficient light commercial cabinets

Secop Group has launched a new range of compact and efficient hermetic compressors specifically designed for light commercial applications with hydrocarbon refrigerants.

Secop designed the new KL-Series to meet the demands for more efficient solutions optimized for hydrocarbons refrigeration that are a must for new generation of light commercial appliances.

With the new KL-Series, Secop aims to offer a reliable, top performing, and cost-effective solution for the light commercial cabinets using environmentally friendly refrigerant propane targeting high energy efficiency.

The KL-Series is optimized for commercial cabinets such as bottle coolers, glass door merchandisers, ice cream freezers, and food service applications and comes with a range of benefits:

→ **Premium Robustness**

Based on the successful K-Series design, more than 50 million units installed and optimized for light commercial applications

→ **Superior Efficiency**

High COP and top efficiency with low GWP refrigerant propane (R290)

→ **Reduced Noise Level**

Optimized noise profile and reduced vibration to achieve premium levels for new applications designed with green refrigerants

→ **Innovative Robust Plug Connection**

Patented hermetic terminal plug to prevent risks with flammable refrigerants

→ **Easier Application Assembly**

A new terminal board designed to offer additional interconnections and facilitate installation

Secop's new KL-Series integrates various technical innovations specifically developed by Secop's engineers for commercial applications and optimized for propane refrigerant: noise-reducing shell, robust suspension, robust internal discharge tube, improved valves, optimized motors, and a new muffler for lower noise levels. The KL-Series includes an innovative patented hermetic terminal plug. Backed by years of experience with hydrocarbons refrigerants, testing of R290 solutions, and optimization of system conversion from HFC to HC refrigerants, Secop has developed a new design for terminal plugs to prevent root causes for electrical arcs injection with flammable refrigerants. This has set a benchmark in the industry to support the design of reliable systems with new flammable refrigerants.

The range available includes R290 models from 4.0 to 7.7 cm³ displacement with a cooling capacity range of 200 to 395 W for LBP applications and 415 to 704 W for MBP applications.

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.

