

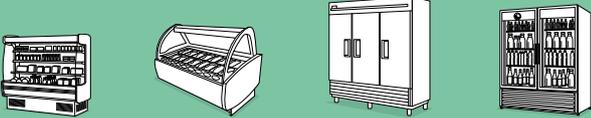
Secop is the first choice for partners searching for leading-edge refrigeration solutions and a premium customer experience.

Secop delivers advanced refrigeration compressors and controls, providing customers tailored sustainable solutions for light commercial, battery-driven, and special cooling applications.

PRODUCT PORTFOLIO



 **Stationary Cooling**



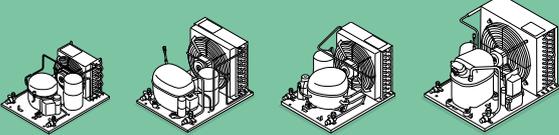
 **Mobile Cooling**



 **Medical Cooling**

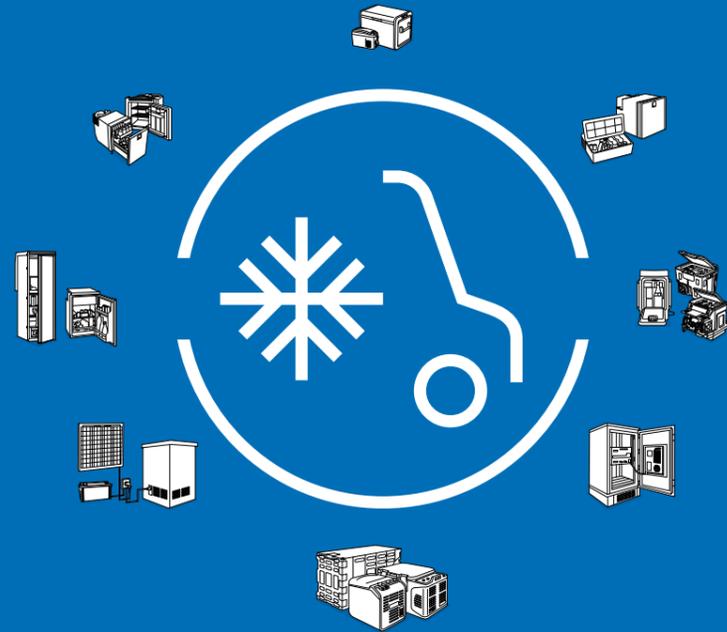


 **Condensing Units**



MOBILE COOLING

DC-powered or battery-driven compressors specifically designed for mobile cooling solutions: automotive (trucks, cars, bus), recreations vehicles, portable boxes, medical, solar, and special applications



Series	Displacement (cm ³)	Cooling Capacity			Refrigerants
		LBP (W) ASHRAE	MBP (W) ASHRAE	HBP (W) ASHRAE	
BD Nano	1.42–2.60	28–69	62–139		R134a R1234yf R600a
BD Micro	1.41	13–34	42–94	83–173	R134a R1234yf
BD-P	2.0–3.0	29–71	65–223	115–390	R600a R290 R134a
BD-T	3.86–5.08	115–245	242–473	433–804	R134a R404A

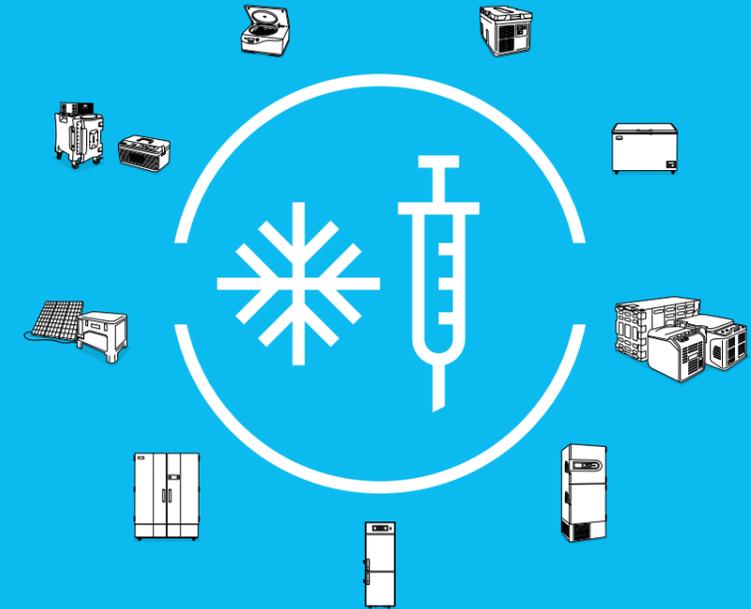
0–35 0–2000 0–3500 0–2750

Secop mobile cooling compressors are available for a variety of DC voltage ranges and certain controllers even feature an AC option for various mains supply.



MEDICAL COOLING

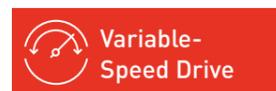
Refrigeration compressors and solutions for various vaccine and biomedical cooling requirements including ultra-low temperature models for stationary or mobile appliances providing world-wide safe storage or transport at different temperature levels



Applications	Evap. temp. range (°C)	Displacement (cm ³)	Cooling Capacity (W)	Test Conditions	Refrigerants
Medical Refrigerators Freezers	+2 to +8 -20 to -30	1.41–20.95	14–1100	ASHRAE LBP	R290 R600a R134a R513A R1234yf R404A R452A
Biomedical Freezers	-30 to -60	3.89–20.95	79–648	EN 12900 LBP	R290 HC Mixture R404A R452A
Ultra-Low Temperature Freezers	-60 to -90	2.0–20.95	22–356	pe= -90 °C pc= -35 °C Tsuc= -20 °C Tliq= -35 °C Tamb= 32.2 °C	R170 HC-Mixture

0–35 0–1200

Secop recommends using 2-stage cascade systems for the temperature range from -60 °C to -90 °C. These have been developed for highest reliability and product safety at ultra-low temperatures.

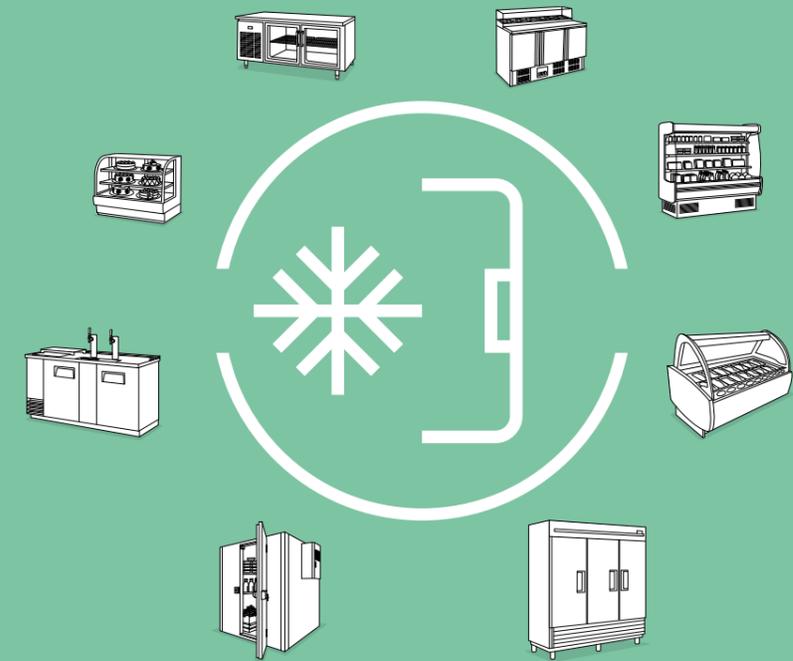


CONDENSING UNITS

Perfect for installation in tight spaces with a precise, compact design, they allow easy conversion for new drop-in replacement refrigerants.

The range is designed and optimized to meet the European Ecodesign Directive.

With high precision manufacturing and 100% quality control of every single unit, they are made to operate in the most demanding environments under all operating conditions.



		Cooling Capacity			
Series		Displacement [cm ³]	LBP (W) EN 13215*	MBP (W) EN 13215*	Refrigerants
T D KL		3.9 – 7.7	184 – 422	239 – 700	R134a R513A R404A R452A R290
N		6.1 – 12.6	159 – 582	326 – 996	R134a R513A R404A R452A R290
S		10.3 – 21.0	590 – 944	752 – 1683	R134a R513A R404A R452A R449A R290
G		26.3 – 33.8	1275 – 1712	1372 – 1782	R134a R513A R404A R452A R449A
		0 – 35	0 – 2000	0 – 3500	

*Tsubcooling=2K, Tsuc=20 °C, Tamb=25 °C, LBP: pe=-25 °C, MBP: pe=-10 °C



HC models are using our energy-optimized DLE, NLE, and SCE propane (R290) compressors with a very low GWP and maximum performance.

HFC models are approved for alternative refrigerants R452A and R513A while selected models are approved for R449A.

Secop's full range of condensing units is designed and optimized to meet the European Ecodesign Directive.



SECOP GROUP: AROUND THE WORLD

SECOP

12

international partner for advanced developments

33

laboratories located in Austria, Germany, Slovakia, China, US, and Turkey

160

R&D engineers and technicians

440

patents globally

50+

countries with customer support



WE SUPPORT



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.

Secop was formerly known as Danfoss Compressors and is one of the founding fathers of modern compressor technology with years of experience that goes back to the beginning of the 1950s.

-  **Flensburg:** Sales and R&D
-  **Zlaté Moravce:** R&D, Logistics and Manufacturing
-  **Turin:** Sales
-  **Tianjin:** Sales, R&D, Logistics and Manufacturing
-  **Gleisdorf:** R&D
-  **Atlanta:** Sales and Logistics



Stationary Cooling



Mobile Cooling



Medical Cooling



Secop GmbH · Lise-Meitner-Str. 29 · 24941 Flensburg, Germany · Tel: +49 461 4941 0 · www.secop.com

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