


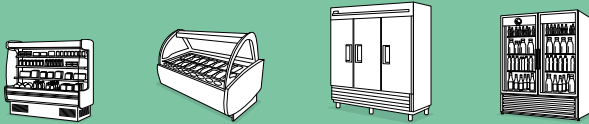
Secop is the first choice for partners searching for leading-edge refrigeration solutions and a premium customer experience.


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

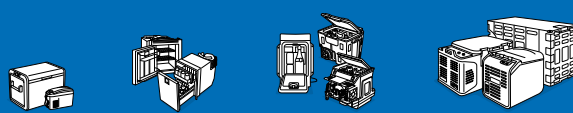
PRODUCT PORTFOLIO




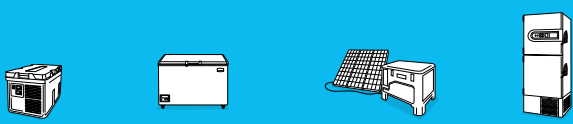
 **Stationary Cooling**




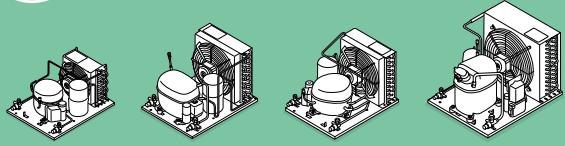
 **Mobile Cooling**



 **Medical Cooling**

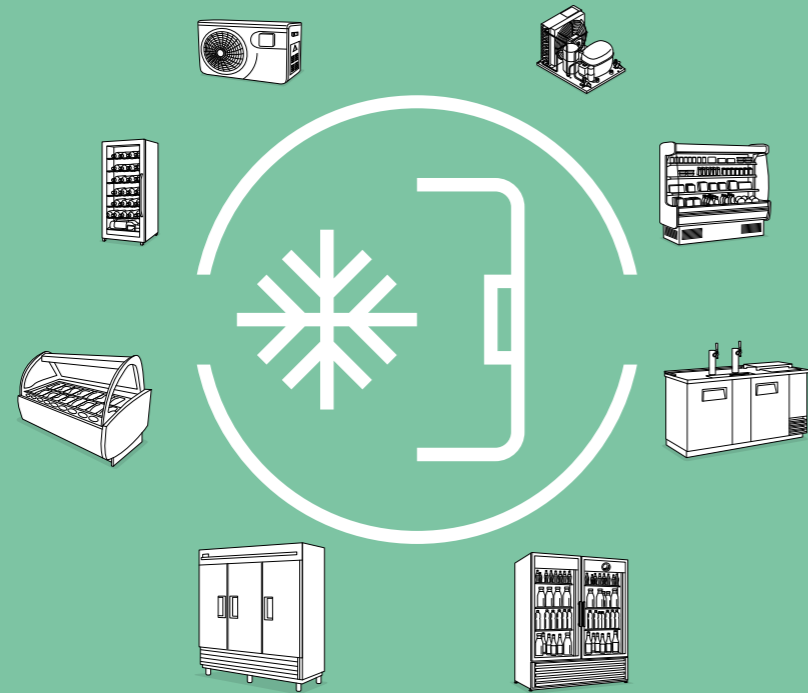


 **Condensing Units**



STATIONARY COOLING

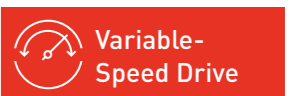
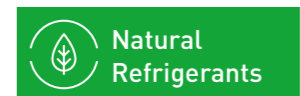
Refrigeration compressors and solutions for food retail, food service, medical, commercial freezers or coolers, beverage dispensers, special commercial equipment, and selected residential applications



Series	Displacement (cm ³)	Cooling Capacity			Refrigerants
		LBP (W) ASHRAE	MBP (W) ASHRAE	HBP (W) ASHRAE	
DLV	4.0-5.7	184-448	224-796		R290
NLV	7.96-12.55	265-937	490-1677		R290
SLV/ SLVE	15.28-17.7	403-1190	1200-2149		R290

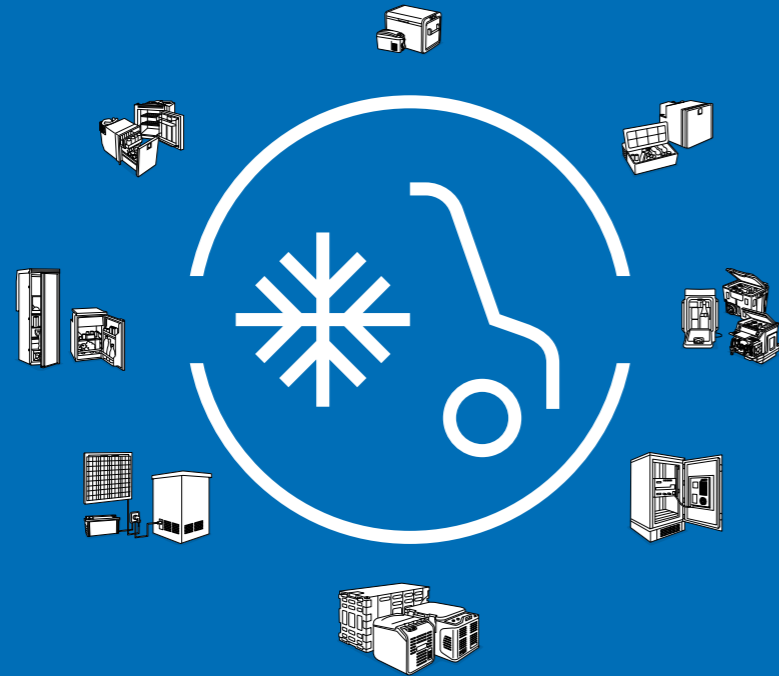
Series	Displacement (cm ³)	Cooling Capacity			Refrigerants
		LBP (W) ASHRAE	MBP (W) ASHRAE	HBP (W) ASHRAE	
P	1.41-2.50	25-59	66-126	130-192	R600a R134a
T	2.6-10.13	45-272	11-392	218-488	R600a R290 R134a R404A R513A R452A
D	4.0-10.14	62-382	324-678		R600a R290
K	5.6-12.5	92-260			R600a R134a
KL	4.0-7.7	200-395	401-704		R290 R134a
N	6.13-14.65	127-766	320-1359	1122-1211	R600a R290 R134a R404A R513A R452A
F	6.23-11.15	120-332	296-514	516-950	R134a R404A R513A
S	10.29-20.95	167-1137	493-1868	923-2266	R290 R134a R404A R407C R513A R452A
G	21.2-33.8	1207-1912	1448-3363	2613	R134a R404A R513A

Secop stationary cooling compressors are available for all worldwide AC mains supply standards.



MOBILE COOLING

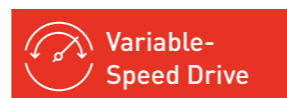
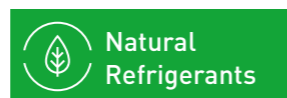
DC-powered or battery-driven compressors specifically designed for mobile cooling solutions: automotive (trucks, cars, bus), recreations vehicles, portable boxes, medical, solar, and special applications



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

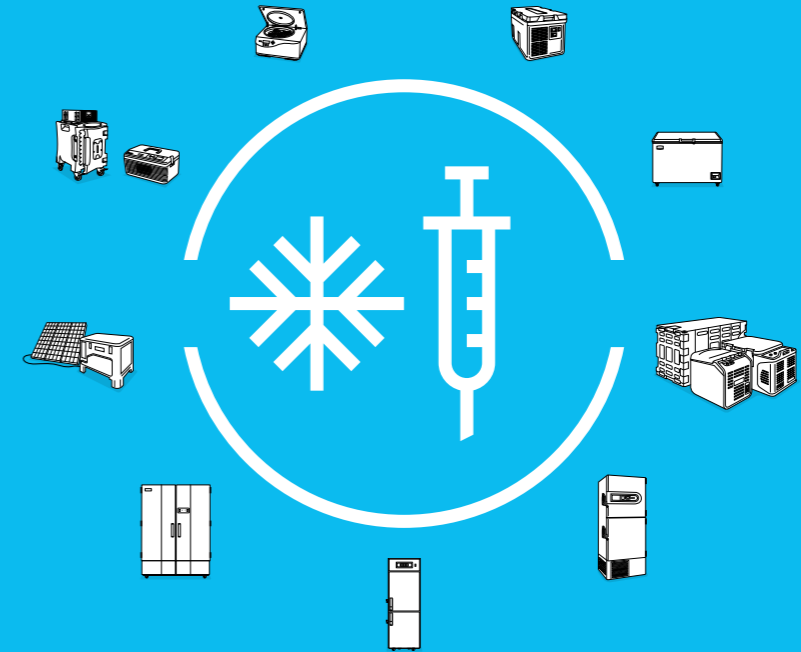
0-35 0-2000 0-3500 0-2750

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

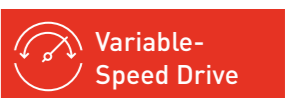
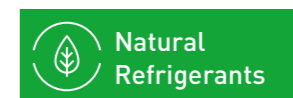
Refrigeration compressors and solutions for various vaccine and biomedical cooling requirements including ultra-low temperature models for stationary or mobile appliances providing world-wide safe storage or transport at different temperature levels



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.

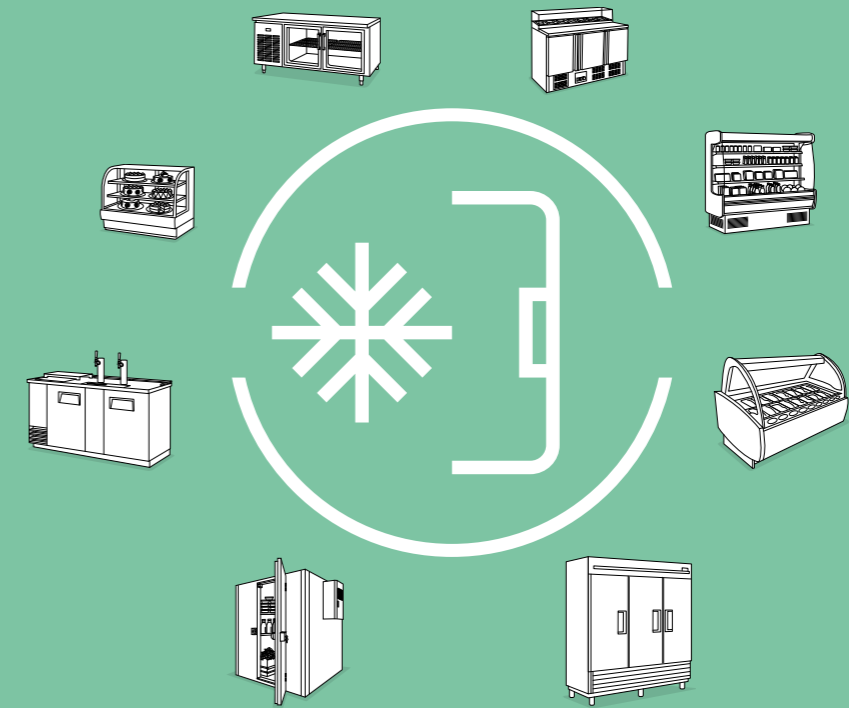


CONDENSING UNITS

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.



Natural Refrigerant

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



Alternative refrigerants

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



EU Sustainable Design

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

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

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



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

Secop accepts no responsibility for possible errors in catalogs, brochures, and other printed material. Secop reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary to specifications already agreed. All trademarks in this material are the property of the respective companies. Secop and the Secop logotype are trademarks of Secop GmbH. All rights reserved.

Produced by Secop | June 2023

DES.H.000.B8.02