

With more than 60 years of experience in compressor technology and highly committed employees, our focus is to develop and apply the advanced

compressor technologies to achieve standard setting performance for leading products and businesses around the world.

CASE STORY

GRAM COMMERCIAL



SECOP NLU-KK.1 COMPRESSOR – COOLING WITH AWARD-WINNING EFFICIENCY



The Gram Superior Plus K 72 G is a winner of the prestigious ProCold Award 2017 for Europe's most energy efficient and environmentally sustainable refrigerator in the Vertical Chilled Storage Cabinet category (e.g. for professional or commercial use in hotels, restaurant, catering, etc.) Inside the award-winning refrigerator is the high energy optimized compressor, Secop NLU-KK.1 that uses the R600a refrigerant.

Outstanding energy efficiency is the benchmark of today's cooling business. It is also the driving force behind Secop's solutions, setting standards for new, better, and more environmentally friendly compressors.

The recent cooperation (a technology project by the Danish EUDP program) on the Superior Plus K 72 G with Gram Commercial, part of the Hoshizaki Corporation, 3Part, and The Danish Technological Institute is no exception. Secop contributed with cooling expertise and the latest generation of the NLU-KK.1 compressor with R600a (isobutane).

OPTIMIZED FOR PURE EFFICIENCY

The NLU-KK.1 from Secop was handpicked by Gram Commercial for the project. It was part of a focused attempt to design a solution that reduces environmental impact without sacrificing the highest level of performance.

Secop's NLU-KK.1 compressor provides an ideal combination. It uses the environmentally friendly refrigerant R600a and simultaneously operates with a COP of 1.98/1.55 (ASHRAE/CECOMAF). This utilizes the capabilities of traditional compressors. Numerous tests showed that NLU-KK.1 – together with the detailed design – was a perfect match.

Despite a cabinet volume of 463 liters, the annual energy consumption of the Superior Plus K 72 G turned out to be just 285 kWh. This means that the professional vertical storage refrigerator also achieved an energy efficiency rating of A – which is now the best rating according to new EU legislation.

PART OF AWARD-WINNING STANDARDS

ProCold, which is partly funded by the EU, honored the Superior Plus K 72 G as not only the most energy effective but also the most environmentally friendly product due to its pioneering technology and use of HFC-free refrigerants.

Gram Commercial and the Hoshizaki Corporation is pleased that their commitment to manufacturing green and energy efficient refrigeration has been recognized by the influential ProCold organization.

Secop is also pleased by this recognition and is looking forward to contributing further to the development of less costly, more energy-efficient, more environmentally friendly compressors in the vein of the innovative, NLU-KK.1.

ABOUT ProCold

ProCold is a joint project of the EU aimed at improving energy efficiency in plug-in cabinets and speed up the switch to climate-friendly refrigerants. There is an energy saving potential of around 50%. The project provides help for manufacturers, suppliers, food and beverage companies, retailers, gastronomy, hotels, public authorities, media, and other stakeholders.

Website: www.topten.eu/pro-cold



GRAM



Certificate



Winner

ProCold Product Competition 2017
Most energy efficient product in Europe

Category
Vertical chilled storage cabinet

Gram

Model: Superior Plus K 72 G

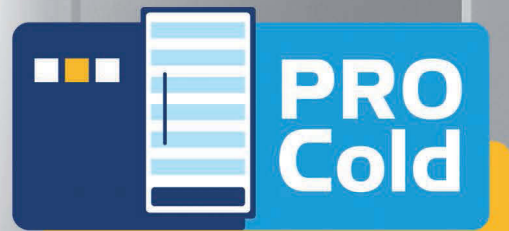
Düsseldorf, 07 March 2017

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 641153. The sole responsibility for the content of this document lies with the applicant. It does not necessarily reflect the views of the European Commission, which may be requested not to disseminate the information contained therein.

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WINNER 2017

Gram Superior Plus K 72 G

GRAM