



Award ceremony in Düsseldorf

Innovative and efficient – in a public ceremony during EuroShop 2017, ProCold announced the winners of a product competition to find the most energy efficient professional and commercial refrigeration equipment in Europe.



The winners of the ProCold product competition – representatives from Carrier, Gram, Liebherr and Sielaff accept their certificates and trophies from organizers of the EU project ProCold.

The European project ProCold announced the winners of the most energy efficient professional and commercial refrigeration appliances on March 7th at the international EuroShop fair in Düsseldorf. The most efficient appliance in Europe in each of five categories was awarded “ProCold winner 2017”:

- Vertical chilled storage cabinets
- Beverage coolers
- Ice-cream freezers
- Vertical supermarket refrigerated display cabinets
- Refrigerated glass-fronted vending machines

European Project coordinator Therese Kreitz (from the French Environment and Energy Management Agency – ADEME) introduced ProCold, an EU project aiming to improve energy efficiency in plug-in cabinets and speed up the switch to climate-friendly refrigerants. Professional cold products consume a significant amount of energy. The energy consumption related to inefficient cold products can be reduced by 30% to 50% if the most efficient products are used. In some cases, efficient and closed products can save several thousand Euros during their lifetime.



Therese Kreitz presents ProCold to representatives of European manufacturers

The product competition was organised in order to discover the most efficient technologies and technological advances currently available on the European market. The results of this product competition have shown that manufacturers are willing- and able to produce very efficient cold products. Stamatis Sivitos, the project officer at the Executive Agency for SME (EASME) overseeing the project, says: *“This award clearly demonstrates how energy efficiency is always worth pursuing and how it goes hand in hand with product innovation.”*

An overview of the market development and current regulations was then given by project manager Maike Hepp from ProCold. Significant technological improvements have pushed forward the market rapidly over the last year alone. New products handed in for the product competition were up to 10 per cent better in their energy efficiency index than the known best models on the market previously.

And the winners are...

Project manager Christof Horvath from ProCold announced the winners of the product competition.



Christof Horvath announcing the ProCold Competition winning models

Vertical chilled storage cabinets



Products of this category are intended for use in professional kitchens. They meet high demands regarding food hygiene and they function well in high ambient temperatures of 30°C. Since 2016, EU regulations on Energy Label and Ecodesign cover these products.

The winning model of this category is the **Gram Superior Plus K 72 G**. The technological director of Gram says: *“It is combining a stylish exterior design with energy efficiency refrigeration based entirely on HFC free technology – securing Gram’s customers the greenest possible choice in the market place”*.

With an energy consumption of 285 kWh/year, this refrigerator is about five times more efficient than the average product in this category. The Gram Superior Plus K 72 G can be found on topen.eu.



Gram director of sales and innovation Anders Sjøgaard receives the certificate for the model Superior Plus K 72 G

Beverage Coolers



Beverage coolers are procured in large numbers by food and beverage industry and branded, loaned or leased to retailers, kiosks, take-aways, canteens, sport facilities etc.

The winning model of this category is the **Liebherr FKDPv 4503**. *“This product offers perfect performance even under extreme climate conditions. The combination of modern technical parts, high-performance and environmental friendly refrigerants plus a precise control system is making this model very economic”*, says Lucas Nerud, Managing Director Liebherr-Hausgeräte Lienz GmbH.

The winning Liebherr beverage cooler consumes a yearly amount of 449 kWh, which is way below the energy consumption of an inefficient beverage cooler, ranging around 2.600 kWh/year. The Liebherr FKDPv 4503 can be found on topten.eu.

Ice cream freezers

These products are very often used in shops, kiosks, restaurants and have to operate in very hard environmental conditions. Their energy consumption varies depending on their size and ranges from 450 kWh per year up to over 2 000 kWh.

The winning model of this category is the **Liebherr GTEP 3302**. Lucas Nerud, Managing Director Liebherr-Hausgeräte Lienz GmbH describes this product with the following quote: *“These ice cream freezers are very energy efficient and guarantee maximum cost effectiveness. The high-quality insulation, the powerful compressor and the harmonised refrigeration-components deliver the perfect cooling performance.”*

The product consumes 589 kWh per year. In comparison, an inefficient ice cream freezer consumes four times more energy per year. The Liebherr GTEP 3302 can be found on topten.eu.



Liebherr representatives Martin Plankensteiner and Lucas Nerud receive the trophies and certificates in two of the five categories - beverage coolers and ice cream freezers



Vertical supermarket refrigerated display cabinets



The most efficient vertical supermarket cabinet is the Optimer 0948 LG R290 from Carrier. Christof Horvath congratulates Carrier representatives Daniel Ernst and Thomas Krieger

Typical use is in supermarkets, retail, canteens, bakeries etc. where employees will access the foodstuffs.

The winning model of this category is the **Carrier Optimer 0948LG R290**. Carrier describes its product as follows: *“Low operating costs because of the low energy consumption. With its harmonised design the product is the perfect solution for small markets in need of a complete equipment.”*

The Carrier Optimer 0948LG R290 consumes 3 030 kWh per year – 10 000 kWh less than an inefficient model! The Carrier Optimer 0948LG R290 can be found on topten.eu.

Refrigerated glass-fronted vending machines

Glass fronted vending machines are only used for refrigerated foodstuffs, used very commonly in offices, public spaces, etc.

The winning model of this category is the **Sielaff GF Robimat XM**. The marketing manager of Sielaff says the following about this product: *“In order to avoid cold and heat transfer, the sealing of the complete chilled area in the Robimat XM has been improved. By changing the refrigerant to R744 (CO₂) with a GWP-value of 1.0, the efficiency of the cooling has been increased by 5%, which is relatively an improvement by 8,9 % (when compared to using R134a). Furthermore, the Robimat XM also demonstrates exceptional recycling capability.”*

This glass-fronted vending machine shows a measured yearly energy consumption of 1 628 kWh. With a product like this energy consumption and electricity bills of the users can be reduced easily.



Sielaff Head of new Development Timo Blanckertz explains the efficient technology of his vending machine

Direct users often do not know that plug-in products consume a significant amount of energy. ProCold has shown with this product competition that manufacturers are willing and able to produce very efficient cold products. The project will continue its mission to encourage the use and the development of the most efficient products and therefore contribute to energy savings and environmental protection across Europe. More information on energy efficient products in this sector can be found at www.topten.eu.

For more questions about the competition and the product testing please contact:

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More information: www.topten.eu/pro-cold

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