

Efficient cooling is a hot sales argument



Manufacturers and suppliers of energy efficient refrigerated cabinets

- ❄ benefit from the trend towards energy efficiency
- ❄ gain competitive advantage
- ❄ rank among the best

Best products of Europe – topten.eu



Goal: increasing market shares of energy efficient models

Commercial and professional refrigeration products consume a great deal of energy and contain climate-damaging refrigerants. Distinguish your products with energy efficiency and climate-friendly refrigerants.



Beverages do not need to be refrigerated at night

Integrated energy management systems can automatically switch beverage coolers into sleep-mode after opening hours. Energy saving potential: 15 % to 45 %.

Cover ice cream freezers at night

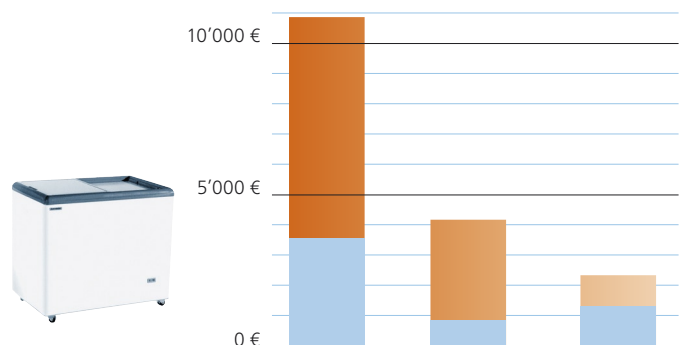
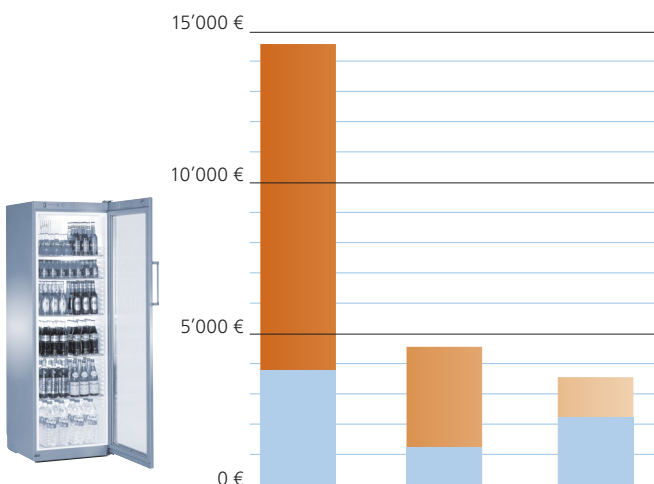
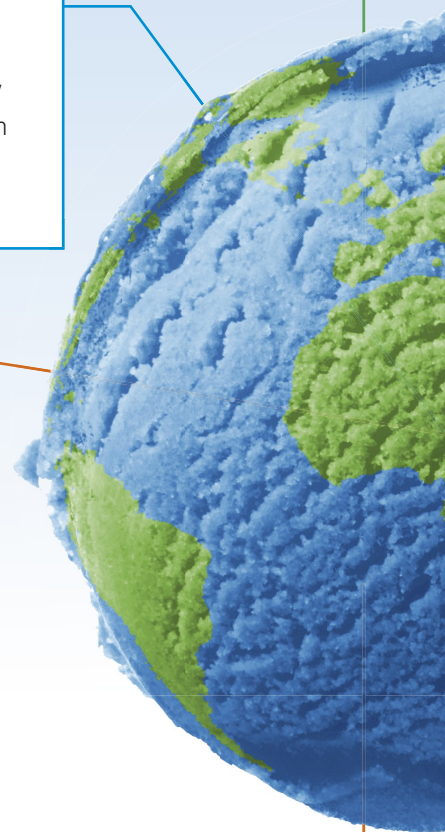
Night covers help to additionally reduce energy costs of ice cream freezers. Ideal night covers are integrated in the cabinet.



Doors and lids are number one priority

They comprise the largest energy savings of all improvement options. Closed display cabinets use three times less energy than open ones. Retrofitting open cabinets with doors and lids achieves energy savings of 40 %.

To increase sales with closed cabinets it is important that the merchandise is illuminated optimally (LED-lighting!). Another advantage of closed cabinets is the better control of the climate in the shop.



Example of beverage coolers	without door	with door	with door
Volume	324 litres	350 litres	346 litres
Energy	6'753 kWh/a	2'168 kWh/a	944 kWh/a
Electricity costs*	10'800 €	3'470 €	1'510 €
Purchase price	3'760 €	1'170 €	2'120 €
Total costs	14'560 €	4'640 €	3'630 €

* 8 years, 0.2 €/kWh

Example of ice cream freezers	without lid	with lid	with lid
Volume	151 litres	183 litres	190 litres
Energy	4'636 kWh/a	1'991 kWh/a	584 kWh/a
Electricity costs*	7'420 €	3'190 €	930 €
Purchase price	3'570 €	980 €	1'290 €
Total costs	10'990 €	4'170 €	2'220 €

* 8 years, 0.2 €/kWh

Switch to climate-friendly refrigerants now

Refrigerants like R290, R600a or CO₂ (R744) have minimal global warming potential (GWP). Their GWP is below 4. Using climate-friendly refrigerants is future-oriented: the EU will ban climate-damaging refrigerants like R404A from 2020 and R134a from 2022. GWP of those refrigerants is around 4'000 and 1'400 respectively.



Topten stimulates the sales of best products

Topten lists online the most energy efficient plug-in refrigerated cabinets. All listed cabinets use climate-friendly refrigerants. Topten gets great attention by your customers such as retailers, food and beverage industry and the gastronomy and hotel sector. Technical criteria are updated regularly in accordance with the latest market developments. A rebate programme for refrigerated cabinets based on the lists of Topten runs in Switzerland. Topten is independent and neutral.

The best products on the European market



How to bring your models on Topten

- * Check the Topten selection criteria: they concern energy efficiency, refrigerant, test standard and temperature class
 - * Submit the product information to Topten via Email
 - * Listing of products is free of charge
- Tools and more information: topten.eu/pro-cold

Label your best products with Topten

Bringing reduced electricity bills to users is worth rewarding. Models that are listed by Topten may be labelled with the Topten logo. More information: topten.eu/pro-cold

ProCold product competition

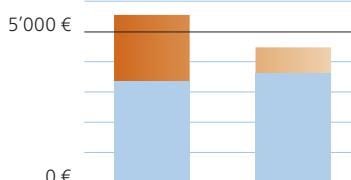
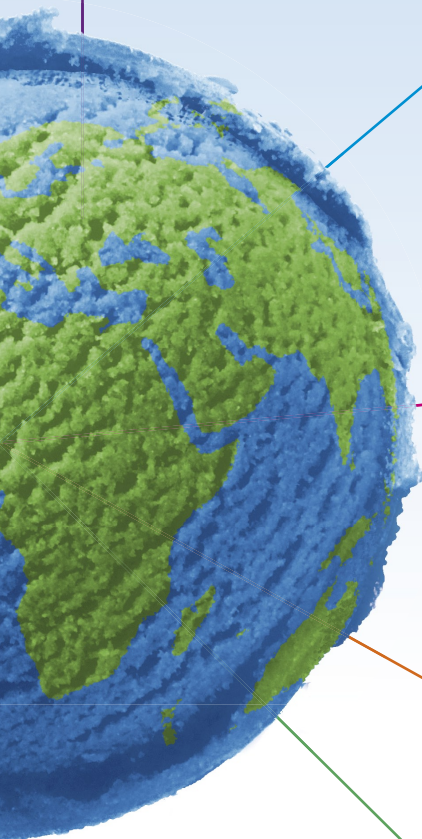
The best models in various product categories will be recognised by ProCold and Topten.

- * Deadline for product submission: 30th September 2016
- * Award ceremony: Euroshop 2017
- * More information: topten.eu/pro-cold

Go for green products

Important for product green development and marketing:

- * Display cabinets with doors and lids
- * Cabinets with climate-friendly refrigerants
- * Beverage coolers equipped with energy management systems
- * Ice cream freezers with integrated night covers



Example of storage refrigerators	typical	efficient
Volume	450 litres	489 litres
Energy	1'348 kWh/a	408 kWh/a
Electricity costs*	2'160 €	650 €
Purchase price	3'250 €	3'830 €
Total costs	5'410 €	4'480 €



* 8 years, 0.2 €/kWh



ProCold – energy efficient and climate-friendly into the future

ProCold is an EU-project aiming to improve energy efficiency in plug-in cabinets and speed up the switch to climate-friendly refrigerants.

Product groups covered include: refrigerated storage cabinets, refrigerated display cabinets, beverage coolers, ice cream freezers, vending machines, wine coolers and minibars.

The project involves manufacturers, suppliers, food and beverage companies, retailers, restaurants, hotels and public authorities on the EU-level and in eight European countries.



More information: topten.eu/pro-cold

Contact: pro-cold@topten.eu

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