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Marketing and green procurement tools for commercial plug-in refrigerators:
The EU Horizon 2020 project "ProCold"

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About ProCold

- ProCold is an EU-project aiming to improve energy efficiency in <u>plug-in</u> cabinets and speed up the switch to climate-friendly refrigerants.
- Product groups: refrigerated storage cabinets, refrigerated display cabinets, beverage coolers, ice cream freezers, vending machines, wine coolers and minibars.















- The project involves manufacturers, suppliers, food & beverage companies, retailers, restaurants, hotels and public authorities on the EU-level and in 8 European countries.
- ProCold publishes on-line references of the best models and organizes a product competition www.topten.eu/pro-cold

Austria

Czech Republic

France

<u>Germany</u>

<u>Italy</u>

Portugal

Sweden

Switzerland









EU

17/03/2016

EU

EU

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EU

Topten product lists



EU

EU

EU

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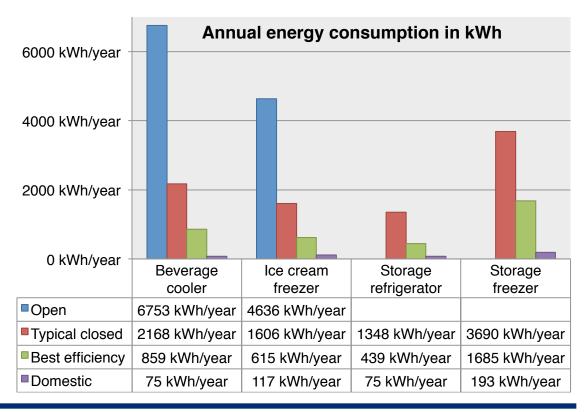
Topten product lists





Energy saving potentials

- Efficient models use
 2-3 times less energy
 than typical models
- Open products use the most energy: 8 times more than efficient models



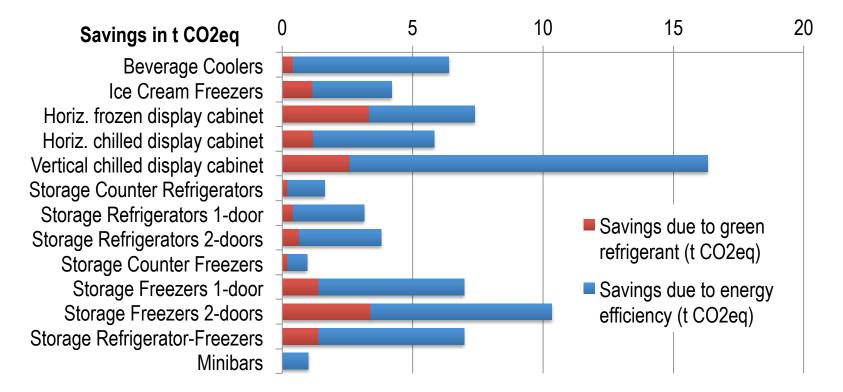








Greenhouse gas emission savings



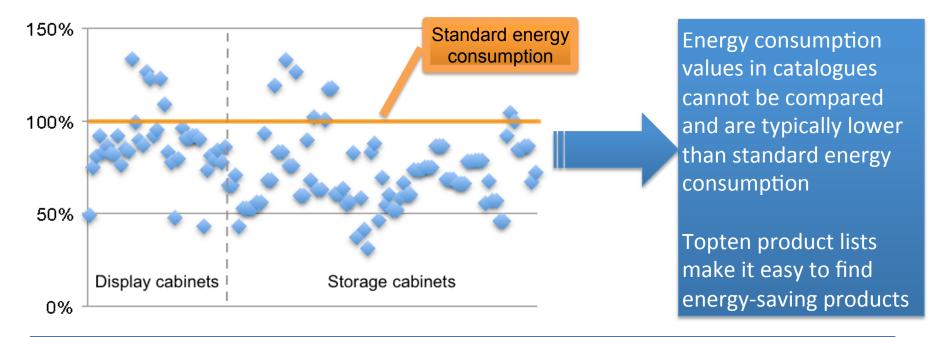








Looking at kWh values in catalogues...







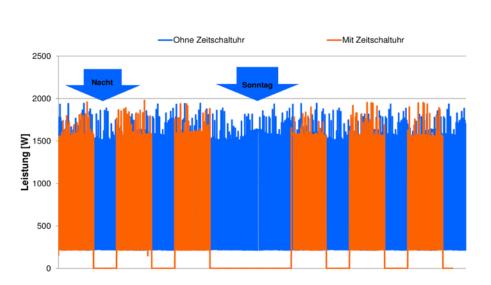


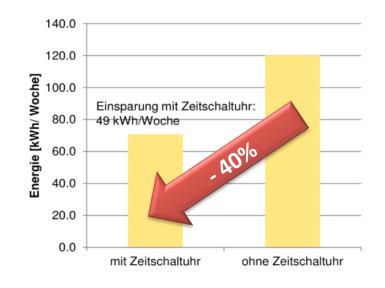


Factsheet Energy Management Devices

Energy management systems or devices (EMS or EMD) put beverage coolers and vending machines into sleep-mode during off-hours → reducing energy costs by 15-45%

www.topten.eu/pro-cold/emd/













Product competition

Categories:

- 1. Vertical chilled storage cabinets
- 2. Beverage coolers
- 3. Small ice cream freezers
- 4. Vertical supermarket refrigerator cabinets
- 5. Refrigerated glass fronted vending machines











Deadline for product submission: 30 September 2016

www.topten.eu/pro-cold-award

Verification tests according to EN standards (published or drafts)

Award ceremony at EuroShop 5 - 9 March 2017

Promotion of winning products at Host 20 - 24 October 2017

Winning criteria:

- ♦ Plug-in type
- ♦ Natural refrigerant
- Best energy efficiency index









Swiss rebate programme

- 25% of purchase price reimbursed
- Eligible: Topten listed products (plug-in, natural refrigerant, highest efficiency)
- Product must be placed in Switzerland

www.topten.eu/rebates/





Beverage Coolers

Ice Cream Freezers

Horizontal Display Freezers

Horizontal Chilled Display Cabinets

Vertical Chilled Display Cabinets

Small Counter-Top Freezers

Storage Counter Refrigerators

Storage Refrigerators 1-Door

Storage Refrigerators 2-Doors

Storage Counter Freezers

Storage Freezers 1-Door

Storage Freezers 2-Doors

Minibars

Storage Refrigerator-Freezers

Vertical Freezers With Glass Doors

Regions with partner All other regions

400 CHF

1200 CHF

1000 CHF

2500 CHF

1200 CHF

250 CHF

200 CHF

800 CHF

1000 CHF

200 CHF

1200 CHF

1400 CHF

1500 CHF

300 CHF

25% of the purchase price up to

in Switzerland 240 CHF 600 CHF



160 CHF

480 CH

400 CHF

1000 CHF

480 CHF

100 CHF

80 CHF

320 CHF

400 CHF

80 CHF

480 CHF

560 CHF

600 CHF

120 CHF





























































































ProCold details + partners

Coordinator: ADEME, French agency for environment and energy management

Partners: Austria: Austrian Energy Agency, AEA

Czech Republic: The Energy Efficiency Center, SEVEn

France: Guide Topten

Germany: Oeko-Institut e.V.

Italy: Politecnico di Milano

Portugal: Quercus

Sweden: Swedish Society for Nature Conservation

Switzerland: Bush Energie

Website: www.topten.eu/pro-cold

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Thank you very much!