



ProCold Product Competition

Professional and Commercial Refrigeration Equipment

– Submission Form –

With support from the European Union's Horizon 2020 research and innovation programme, the ProCold project and its partners

ADEME – Agence De l'Environnement et de la Maîtrise de l'Energie (France),
AEA – Austrian Energy Agency (Austria),
Bush Energie (Switzerland),
Guide Topten (France),
Oeko-Institut – Institute for Applied Ecology (Germany),
Politecnico Milano – Dipartimento di Energia (Italy),
Quercus – National Association for Nature Conservation (Portugal),
SEVEN – The Energy Efficiency Center (Czech Republic),
SSNC – Swedish Society for Nature Conservation (Sweden)

are inviting manufacturers of professional and commercial cold equipment to take part in a product competition for the most energy efficient product with climate friendly refrigerants available in the European market in the categories

- **Vertical chilled storage cabinets**
- **Beverage coolers**
- **Small ice cream freezers**
- **Vertical supermarket refrigerator cabinets**
- **Refrigerated glass fronted vending machines**

and according to the specifications and rules provided separately (c.f. "Competition Rules").

Please fill-in this form digitally. Please submit each submission form (one for each product) together with the accompanying documents (test report, product picture, scan of signed final declaration) as separate e-mails (one e-mail per submitted product) by 30 September 2016 to procoldcompetition@oeko.de.

Your reference ID:

Please add a unique identifier / reference ID (free combination of letters and/or numbers, e.g., MANUFACTURER_XYZ_01) for each product submitted. Please add the same identifier to the "Final Declaration" to allow us to match corresponding documents.



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Company details

Name of company / trade mark

Address

Country

Internet address

Legal form

Registration number

Place of registration

VAT-Number

Details of contact person at company

First name

Last name

Function / position

Telephone (direct calling)

E-mail address

Eligible products and test conditions

Are the following criteria fulfilled? Please confirm.

I confirm that the submitted product is commercially available in Europe at least for the full period between 30 September 2016 to 31 August 2017 (no prototypes)

I confirm that the submitted product is of type “plug-in” (“integral”, “stand-alone”)

I confirm that the submitted product is compliant with all European regulations, including Ecodesign and labelling requirements for the product category as valid on 31 August 2016 (as published in the Official Journal of the European Union)

Product category

► In which category are you submitting your product?

Note: Products in each product category are assessed according to the defined measurement standards and test conditions. The Energy Efficiency Index (EEI) is the core performance criterion based on which the winner in each category will be determined.

Note: In case the final text of referenced regulations is not available on 31 August 2016, the draft version available at that time shall apply (as available from topten.eu/pro-cold). In case the final version of a referenced standard is not available on 1 July 2016, the latest draft version available at that time shall be used for testing.

Product category submitted for competition (one form for each product or category, if various)

A: Vertical chilled storage cabinets

B: Beverage coolers

C: Small ice cream freezers

D: Vertical supermarket refrigerator cabinets

E: Refrigerated glass fronted vending machines

In the following, please check and confirm that the requirements for the product category you have chosen above are fulfilled:

A: Vertical chilled storage cabinets

As defined in Ecodesign Regulation (EU) 2015/1095 of 5 May 2015

1-door, 400-700 litres net volume calculated according to EN 16825

Refrigerant with global warming potential (GWP) below 150 (e.g. R290, R600a, CO₂)

Temperature class M1 according to EN 16825 (-1°C to +5°C)

Energy Efficiency Index (EEI) determined at 30°C/55% RH based on measurements according to EN 16825 and EEI calculation according to Ecodesign Regulation (EU) 2015/1095

B: Beverage coolers

As defined in the (draft) European Ecodesign Regulation for refrigerated commercial display cabinets available on 31 August 2016 (and provided on topten.eu/pro-cold)

250–550 litres net volume calculated according to EN 16902, vertical cabinet with one transparent door

Refrigerant with global warming potential (GWP) below 150 (e.g. R290, R600a, CO₂)

Temperature class K1 according to EN 16902 (0°C to +7°C; $\varnothing \leq +3.5^\circ \text{C}$)

Energy Efficiency Index (EEI) determined at 25°C/60% RH based on measurements according to EN 16902 and EEI calculation according to applicable (draft) European Ecodesign Regulation

C: Small ice cream freezers

As defined in the (draft) European Ecodesign Regulation for refrigerated commercial display cabinets available on 31 August 2016 (and provided on topten.eu/pro-cold)

150 – 500 litres net volume calculated according to EN 16901, with transparent lids

Refrigerant with global warming potential (GWP) below 150 (e.g. R290, R600a, CO₂)

Temperature class C1 according to EN 16901 (-18°C)

Energy Efficiency Index (EEI) determined at 30°C/55% RH based on measurements according to EN 16901 and EEI calculation according to applicable (draft) European Ecodesign Regulation

D: Vertical supermarket refrigerator cabinets

As defined in the (draft) European Ecodesign Regulation for refrigerated commercial display cabinets available on 31 August 2016 (and provided on topten.eu/pro-cold)

Total display area (TDA) between 0.5 and 3 m² calculated according to EN ISO 23953

Refrigerant with global warming potential (GWP) below 150 (e.g. R290, R600a, CO₂)

Temperature class M1 (-1°C to + 5°C) and TDA according to EN ISO 23953

Energy Efficiency Index (EEI) determined at 25°C/60% RH based on measurements according to EN ISO 23953 and EEI calculation according to applicable (draft) European Ecodesign Regulation

E: Refrigerated glass fronted vending machines

As defined in the (draft) European Ecodesign Regulation for refrigerated commercial display cabinets available on 31 August 2016 (and provided on topten.eu/pro-cold)

Category 2 “Refrigerated glass fronted can and bottle, confectionery & snack machines” according to EN 50597:2015

Refrigerant with global warming potential (GWP) below 150 (e.g. R290, R600a, CO₂)

Temperature class according to Category 2 machine type (12°C)

Energy Efficiency Index (EEI) determined at 23°C/60% RH based on measurements according to EN 50597:2015 and EEI calculation according to applicable (draft) European Ecodesign Regulation

Information on submitted product

Brand name
 Model name and/or number
 EAN code

Availability

Is the product available in all European countries? Yes No

If not: available in which European countries? Please specify:

Austria	Greece.....	Norway.....
Belgium.....	Hungary.....	Poland.....
Bulgaria	Iceland.....	Portugal.....
Croatia	Ireland	Romania.....
Cyprus	Italy.....	Slovakia
Czech Republic.....	Latvia.....	Slovenia
Denmark	Liechtenstein	Spain.....
Estonia.....	Lithuania.....	Sweden
Finland.....	Luxembourg	Switzerland.....
France	Malta	United Kingdom.....
Germany.....	Netherlands	

Net volume / total display area

- For product category **A**: **sum of net volumes** in litres of all compartments functioning at chilled operating temperature.
- For product categories **B, C, E**: **net volume** in litres.
- For product category **D**: **total display area** in square metres (m²)

Energy Efficiency Index (EEI)

(EEI must be rounded to one decimal (00.0))

For product category A, Energy Efficiency Class.....

Energy consumption over 24 hours (E24h)

(in Wh, rounded to one decimal (00.0))

Annual energy consumption in kWh

(rounded to the nearest integer)

Climate class

Temperature class

ProCold Product Competition – Submission Form

Dimensions (w/d/h) in mm

Static and/or forced air cooling type

Category, name and Global Warming Potential (GWP) of the refrigerant fluid(s) contained in the cabinet

Refrigerant charge (kg) (2 decimal places)

Name and Global Warming Potential (GWP) of principle foaming agent used

Full test report with results of all tests required to determine the EEI and with the EEI calculation based on the test results is submitted as attachment
(full test reports will not be made publicly available)

At least one product picture (min. 800 px wide; file type .jpg, .png, .pdf or .gif) is submitted as attachment.

This document shall be **saved adding your reference ID to the file name** and returned digitally.

Please continue with the “Final Declaration” form

By signing the form “Final Declaration” you will declare that

- the information provided on this form is true and correct;
- you have read, understood and agree to the competition rules;
- you agree to the use of the attached product photo;
- you will make available an appliance for testing in due time.

(Please make sure to add the reference ID you have chosen at the beginning of this form to the Final Declaration form.)

Competition team: Contact

For any questions on the competition please visit www.topten.eu/pro-cold or contact:

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