

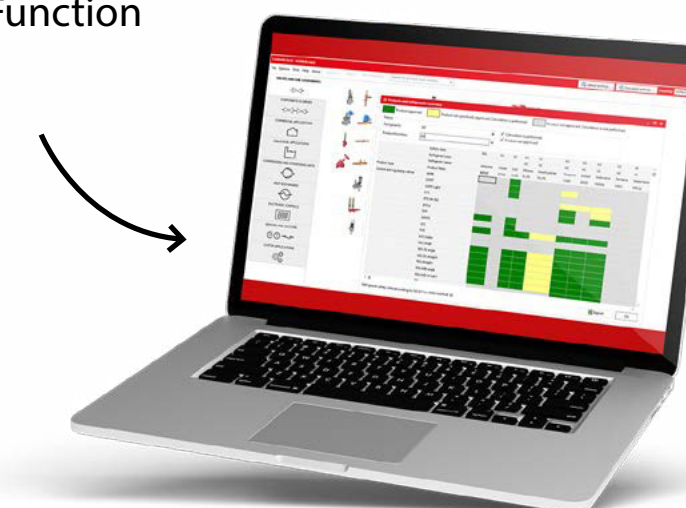
# Reliable cooling for frozen beverages

## Efficient and reliable refrigeration for frozen beverage dispensers

From convenience stores and cafes to quick-service restaurants and petrol stations, commercial frozen beverage machines play a vital role in serving refreshing frozen drinks. Danfoss provides best-in-class components for frozen beverage dispensers, ensuring energy-efficient cooling, consistent slush texture, and reliable operation. Our solutions enable the production of refreshing refreshing frozen drinks every time.

To reach the Products and Refrigerants Overview in Coolselector®:

1. Enter Coolselector online: [Coolselector \(danfoss.com\)](https://danfoss.com/coolselector)
2. Select Tools -> Products and Refrigerants Overview
3. Filter by Refrigerants and Product Function







Solutions for frozen beverage dispensers

Perfectly chilled beverages rely on precision cooling, durable components, and energy-saving technologies to meet customer expectations, no matter the setting. Danfoss solutions empower frozen beverage dispensers with precise temperature management, durability, and energy-efficient solutions, helping businesses serve refreshing frozen beverages with consistency and reliability.



Consistency & food safety

Precision-controlled components ensure smooth, icy beverages every time, while strict compliance with food-grade standards guarantees consumer safety and product quality.



Durability & reliability

Designed for high-capacity operation, our stainless-steel components withstand demanding environments with minimal maintenance, ensuring long-lasting performance.



Refrigerant compatibility

Our solutions support energy savings and are compatible with HFCs (A1, A2L) and natural refrigerants (HC, CO<sub>2</sub>) to meet low-GWP regulations for a future-proof system.



Global support & availability

A reliable global supply chain ensures part availability and expert support wherever your business operates.

Proof of performance

Compressors (MLZ, LCC, Bock)

- Reliable compressors provide consistent cooling, delivering:
- Stable temperature control for uniform ice cream texture
  - Energy-efficient operation, reducing power consumption
  - Adaptability to varying demand, ensuring

Expansion valves (TU, TE2, TD1, ETS 5M)

- Precise refrigerant control improves efficiency and quality by:
- Maintaining optimal evaporator temperature for smooth, creamy results
  - Adapting dynamically to load variations and ambient conditions
  - Preventing ice crystal formation, ensuring consistent product quality

Heat exchangers (MCHE, BPHE, MPHE)

- Advanced heat exchange technology increases efficiency by:
- Enabling faster, more effective heat transfer for stable cooling
  - Reducing refrigerant charge, improving sustainability and cost savings
  - Compact, durable designs that enhance long-term performance

For 24/7 support, we have developed intuitive **tools and apps** helping you to make the right product selection, choose an alternative refrigerant, troubleshoot your installation or be trained on natural refrigerants or latest Danfoss Climate Solutions products.

RefTools

The essential all-in-one mobile application for air conditioning and refrigeration technicians. Get seven powerful tools to support your refrigerant journey all from the palm of your hand.



Download it here

Coolselector®2

Significantly reduces complexity on the job by running unbiased calculations based on a set of operating conditions to determine the best components for your design.



Download it here

Danfoss Product Store

Your one-stop shop for everything product related – no matter where you are in the world or what area of the cooling industry you work in. Get quick access to essential information like product specs, code numbers, technical documentation, certifications, accessories and more.



Access it

Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product. All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.