

March 2026

Danfoss Climate Solutions for Cooling



# TECH INSIDER

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## Introduction

Danfoss Tech Insider keeps you up to date with the latest developments in the Cooling and Industrial Products portfolios from Danfoss Climate Solutions. Each edition offers a quick overview of key technical updates and product news, with direct links to relevant documentation and further details. Published monthly, Tech Insider ensures you're always informed about the latest innovations and changes across our products and solutions.

We hope you enjoy reading Danfoss Tech Insider and find it both useful and inspiring!

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Not all products/variants are available in all countries.

Please contact your local sales company for further info and product availability.

## Release: Large CO<sub>2</sub> Ejector

As a part of our ongoing commitment to providing innovative CO<sub>2</sub> solutions, we are pleased to announce that the **Large CO<sub>2</sub> Ejector** (LCE) has been released and is now open for sales. We are excited to bring this new technology to you and are confident that the large CO<sub>2</sub> ejector will deliver significant value to your business.

### Solution overview

This solution, consisting of the **LCE** and the **EKE 80 controller**, is engineered to reduce energy costs while optimizing overall system performance, particularly in warmer climates. CO<sub>2</sub> systems equipped with large CO<sub>2</sub> ejectors benefit from lower energy consumption.

The ejector can be utilized with racks that feature both high-pressure (HP) and low-pressure (LP) lift systems.



### Key features & benefits

- **Improved COP and enhanced system operation**, with reduced compressor swept volume, resulting in lower energy consumption
- **Fixed geometry** enhances efficiency by optimizing flow dynamics and minimizing energy losses
- **The combination of large CO<sub>2</sub> ejector and EKE 80 ejector controller** ensures easy setup and commissioning, and optimizes ejector operation to achieve maximum system performance
- **Reliable** and **robust** design
- **Fully integrated solution** requiring no additional components such as check valves or filters
- **Fully serviceable**, with a complete spare parts program (cartridge, filter, O-rings)
- Easily accessible strainer/filter for **fast maintenance**
- Housing and cartridge delivered separately

The Industrial Application section of CoolSelector will be updated with the Large CO<sub>2</sub> Ejector at the end of Q2 2026. In the meantime, if you have an urgent need to select valves for a customer's project, please do not hesitate to reach out to local Danfoss sales organization.

### Ordering & spare parts

Please refer to this document for a complete list of LCE housings, cartridges, spare parts, and accessories:

- [AI556339727826en-010201.pdf](#)

# Release: SVL-HT 65B Housings DN 50 - DN 100 for Heat Pump applications

With this housing release, you can combine the current SVA 65BT Top Complete (approved for temperatures up to 190 °C / 374 °F and 65 bar / 943 psig) with the matching SVL HT 65B Valve Housing to create a complete high temperature, 65 bar Stop Valve solution.

## Key features

- **High temperature capability:** new housings are designed to operate at temperatures of up to 200 °C, delivering superior performance in high temperature environments
- **Enhanced durability:** with TLP surface treatment, these housings offer enhanced durability and extended service life.
- **Compatibility:** new housings can be combined with the current SVA 65BT Top Complete, approved for temperatures up to 190 °C (374 °F) and 65 bar (943 psig), to create a complete high temperature, 65 bar Stop Valve

**SVL-HT 65B  
Housing  
(up to 200 °C)**



**SVA 65-BT  
Top Complete  
(up to 190 °C)**

## Details

Pricing for the new housings will remain consistent with that of the current SVL 65 bar housings (sizes DN 50 – DN 100).

New sales codes for the SVL HT 65B housings are scheduled for release in March 2026.

## Affected products

Introduction of these new housings comes with new sales code numbers.

Please refer to the attached chart on the following page for detailed information on the affected products.

SVL-HT 65B Housing		SVA 65-BT Top Complete	
New code	Description	Current code	Description
<b>148B6360</b>	SVL-HT 65B 50 D ANG Valve Housing PS65		
<b>148B6364</b>	SVL-HT 65B 50 D STR Valve Housing PS65	<b>148B6804</b>	Top complete SVA-65BT 50 Cap
<b>148B6368</b>	SVL-HT 65B 50 A ANG Valve Housing PS65		
<b>148B6372</b>	SVL-HT 65B 50 A STR Valve Housing PS65		
<b>148B6361</b>	SVL-HT 65B 65 D ANG Valve Housing PS65		
<b>148B6365</b>	SVL-HT 65B 65 D STR Valve Housing PS65	<b>148B6805</b>	Top complete SVA-65BT 65 Cap
<b>148B6369</b>	SVL-HT 65B 65 A ANG Valve Housing PS65		
<b>148B6373</b>	SVL-HT 65B 65 A STR Valve Housing PS65		
<b>148B6362</b>	SVL-HT 65B 80 D ANG Valve Housing PS65		
<b>148B6366</b>	SVL-HT 65B 80 D STR Valve Housing PS65	<b>148B6806</b>	Top complete SVA-65BT 80 Cap
<b>148B6370</b>	SVL-HT 65B 80 A ANG Valve Housing PS65		
<b>148B6374</b>	SVL-HT 65B 80 A STR Valve Housing PS65		
<b>148B6363</b>	SVL-HT 65B 100 D ANG Valve Housing PS65		
<b>148B6367</b>	SVL-HT 65B 100 D STR Valve Housing PS65	<b>148B6807</b>	Top complete SVA-65BT 100 Cap
<b>148B6371</b>	SVL-HT 65B 100 A ANG Valve Housing PS65		
<b>148B6375</b>	SVL-HT 65B 100 A STR Valve Housing PS65		

# ICMETS 20 – Material change & New Combi connectors

The new combi connectors are a widely recognized type in the food retail market, and to better meet customer requirements, ICMETS will adopt these connectors. In conjunction with this change, the housing and top nut material will be upgraded to forged steel. The housing will also feature a redesigned structure to align with forging technology and simplify manufacturing. The top nut’s geometry will remain the same.

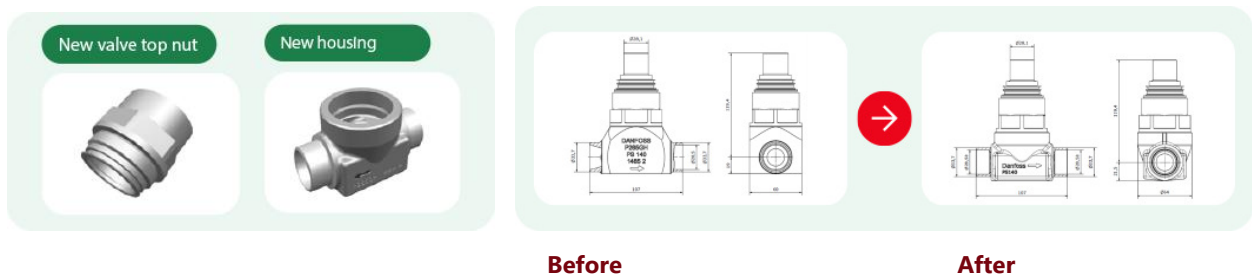
## ICMETS 20 Housing Changes

- The housing material will be upgraded from non-alloy steel P265GH (1.0425) to forged steel P285QH in accordance with EN 10222-4
- External dimensions will be adjusted to suit forging technology (refer to before/after comparison below)
- The new forged housing will incorporate combi welding connections, combining a DIN 25 butt weld with a 1 1/8" SA brazing connection
- The current housing design features only DIN 25 butt weld connections

## Top Nut change

- The top nut material will be changed from S355J2G4 (1.0577, EN 10025) to forged steel P285QH in accordance with EN 10222-4, matching the housing material
- **Design and dimensions remain unchanged**

Both changes will not influence the technical specifications or performance.



The code numbers for the housing will remain unchanged with this modification, while the description will be updated to reflect the new combi connections.

The change will be implemented gradually, with the first code numbers updated in March, and full implementation expected by June 2026.

Sales code	Description
027H1084	ICMETS 20-A23 25 DIN *CO2*
027H1085	ICMETS 20-A 25 DIN *CO2*
027H1093	ICMETS 20-B66 25 DIN *CO2*
027H1086	ICMETS 20-B 25 DIN *CO2*
027H1087	ICMETS 20-C 25 DIN *CO2*



Sales code	Description
027H1084	ICMETS 20-A23 <b>Combi 25 DIN/1 1/8" SA</b> *CO2*
027H1085	ICMETS 20-A <b>Combi 25 DIN/1 1/8" SA</b> *CO2*
027H1093	ICMETS 20-B66 <b>Combi 25 DIN/1 1/8" SA</b> *CO2*
027H1086	ICMETS 20-B <b>Combi 25 DIN/1 1/8" SA</b> *CO2*
027H1087	ICMETS 20-C <b>Combi 25 DIN/1 1/8" SA</b> *CO2*

## New and updated content

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### Videos

- [See how NeoCharge optimizes industrial refrigeration systems](#)

### Brochures

- [Alsense® Food Retail Less waste. More sense](#)
- [Danfoss food retail brochures](#)
- [Universal programmable controller – Alsmart®](#)
- [Ensure energy-efficient and robust performance with ADAP-KOOL® case solutions](#)
- [Simplify cold room operation with streamlined solutions](#)
- [Optimize c-store efficiency with tailored refrigeration solutions](#)
- [Supermarket heat recovery solution](#)
- [Monitoring and connectivity solutions](#)
- [Danfoss Smart Store Real solutions. Real results.](#)
- [Optimize energy efficiency with reliable ADAP-KOOL® pack control](#)
- [Master your HVAC symphony with Alsmart®](#)
- [Industrial Refrigeration solutions](#)

## Contact information – Get in touch with Danfoss

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[Customer service](#)

Get technical support for installing Danfoss cooling solutions

[Cooling installer hub](#)

Get technical support for installing Danfoss sensing solutions

[Industrial Installer Hub](#)



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