

Press release

February 2018

Danfoss is proud to declare: “We love CO₂”, and with the Multi Ejector Solution™ you will too

CO₂ is often regarded as the “big problem” when it comes to climate change. While in some regards it is a hazard, in other situations it can be the answer. In fact, when used as a refrigerant, CO₂ can make a big difference when it comes to keeping people, products, and our planet cool.

As a refrigerant, CO₂ has the lowest possible Global Warming Potential (GWP) with a rating of “1” causes zero ozone depletion, it is non-toxic, and non-flammable. This means that people and products can be cooled safely without negatively affecting our planet’s climate. It is also exceptionally versatile and can be used in many different cooling applications, including commercial, industrial, and transport applications.

With the new Multi Ejector Solution™, CO₂ becomes a major asset for those in the cooling industry—and the rest of the world

When paired with the technology in the Danfoss Multi Ejector Solution™, CO₂ can enable refrigeration systems to outperform traditional HFC systems in terms of energy efficiency in all climate zones, while reducing the impact on our environment—it’s the ultimate win-win.

The use of CO₂ as a refrigerant was previously limited to cooler regions, or required complex, expensive systems. With the Danfoss Multi Ejector Solution™ it’s now becoming a truly global solution. Now even the hottest regions like the Middle East, Southern and Latin America, Australia, and Asia can enjoy all the benefits that CO₂ has to offer. This includes valuable energy saving potential—up to 18% annually compared with CO₂ booster system.

“CO₂ has a bright future as a refrigerant in our industry. It is natural and environmentally benign, with virtually no direct climate impact when used as a refrigerant. The Danfoss Multi Ejector Solution™ makes it easy to gain all the benefits of using CO₂. It makes it possible to save energy in all climates, reduce refrigeration platform complexity and not least, reduce the carbon footprint of the system. That’s why We Love CO₂.” says Hans Ole Matthiesen, Director of Segment Marketing, Food Retail.

To help spread the word, we’re offering some exciting opportunities to our customers, business partners, and the public. Our Mobile CO₂ Training Unit is on a world tour, providing in-depth training and certification to industry professionals. We also have online classes about CO₂ theory, use, and safety available for free on Danfoss Learning, our digital education portal.

We’re excited to be able to make all of our CO₂ solutions, including the Multi Ejector Solution™, available worldwide. As you explore how these opportunities can help your business, and the planet, we know that you too will fall in love with CO₂.

The Danfoss Multi Ejector Solution™

The Multi Ejector Solution™ is what makes the use of CO₂ as refrigerant in transcritical CO₂ refrigeration systems possible. It consists of two products: a Multi Ejector and the AK-PC 782A Pack Controller. By uniting the two great products into one best-in-class solution, professionals all over the world now have the chance to harvest the numerous benefits of using CO₂ as a refrigerant.

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For more information, please contact:

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Related links:

Learn more about the Multi Ejector Solution™ by visiting multiejectorsolution.danfoss.com and check out our “We Love CO₂” video at [YouTube](#)

Get updated on our newest online CO₂ training sessions in Danfoss Learning [here](#).

Photo caption:

1. “We Love CO₂” – With the Danfoss Multi Ejector Solution™ there is even more to love about CO₂.
2. The Danfoss Multi Ejector Solution™ consists of a Multi Ejector and the AK-PC 782A Pack Controller.

About Danfoss

Danfoss engineers technologies that enable the world of tomorrow to do more with less. We meet the growing need for infrastructure, food supply, energy efficiency and climate-friendly solutions. Our products and services are used in areas such as refrigeration, air conditioning, heating, motor control and mobile machinery. We are also active in the field of renewable energy as well as district heating infrastructure for cities and urban communities. Our innovative engineering dates back to 1933, and today Danfoss is a world-leader with 24,000 employees and serving customers in more than 100 countries. We are still privately held by the founding family. Read more about us at www.danfoss.com