



Supermarket heat recovery solution

Reduce supermarket heating bill and CO₂ footprint with Danfoss heat recovery units

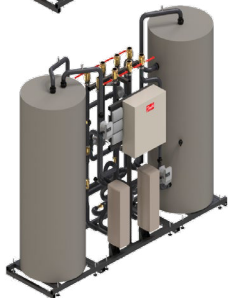
One-tank solution

Designed for stores with a CO₂ cooling system from 80-150 kW. Excess heat can only be used internally in the store.



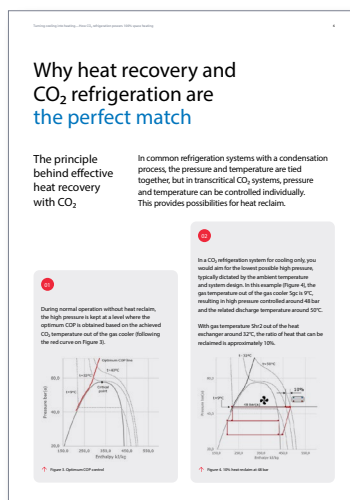
Two-tank solution

Designed for stores with a CO₂ cooling system from 100- 500 kW. Excess heat can be used internally in the store or sold as surplus heat.



[Read more about heat recovery unit](#)

[Watch Heat Recovery animation](#)



Turning cooling into heating —How CO₂ refrigeration powers 100% space heating

This whitepaper explores the principles of heat recovery, the integration of refrigeration and heating systems, and the real-world learnings from operating the Danfoss Smart Store.

[Click here to read the whitepaper](#)



Achieve reliable heat recovery
for **efficient CO₂ systems**

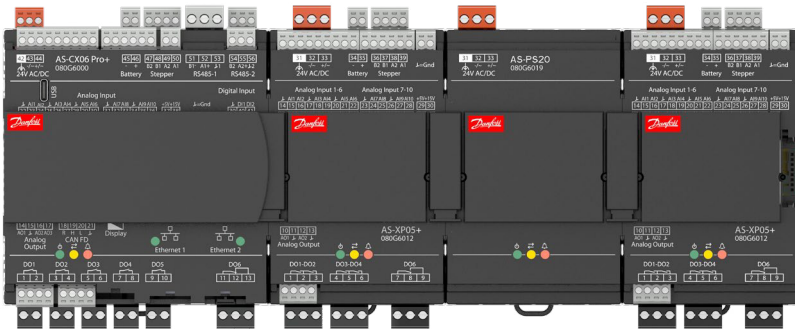
Alsmart® universal platform

AS-CX06Pro+

AS-XP05+

AS-PS20

AS-XP05+

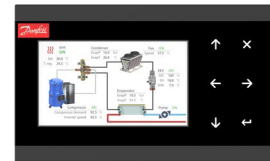


Alsmart® universal HVAC programmable controller

[Learn more about Alsmart®](#)

Alsmart® user interface

AS-UI04 Display



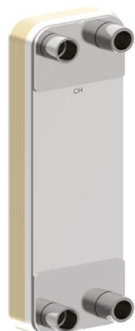
AS-UI Snap-on Display



CO₂ in food retail

CO₂ has long proven to be one of the most sustainable natural refrigerants. And for the last 20 years, Danfoss has developed innovative solutions to ensure supermarkets and food retail applications can take full advantage of CO₂ refrigeration in climates all over the world.

[Read more about our CO₂ refrigeration solutions](#)



**H48T-CH Micro Plate™
brazed heat exchanger for
CO₂ applications**

Brazed plate heat exchanger featuring the patented Micro Plate™ design dedicated for 140 bar transcritical CO₂ systems.

[Find out more about H48T-CH](#)



**CTR 3-way heat recovery
valve**

Complete proportional control of the surplus heat from the compressor pack into the heat exchanger of transcritical heat reclaim solutions, securing heat and hot water availability.

[More about CTR 3-way valve](#)