

# The perfect match for efficient case cooling

40+ years of proven expertise in refrigeration case control.

Get the most out of your refrigeration setup with proven display case refrigeration solutions. The ADAP-KOOL® AK-CC55 case controller and accessories are engineered to work together seamlessly. Boost performance, enhance reliability, and cut energy waste—all in one package.



#### Optimized performance

– Designed to work seamlessly as one system



#### Reliable operation

– Reduced risk from component mismatches and quality issues



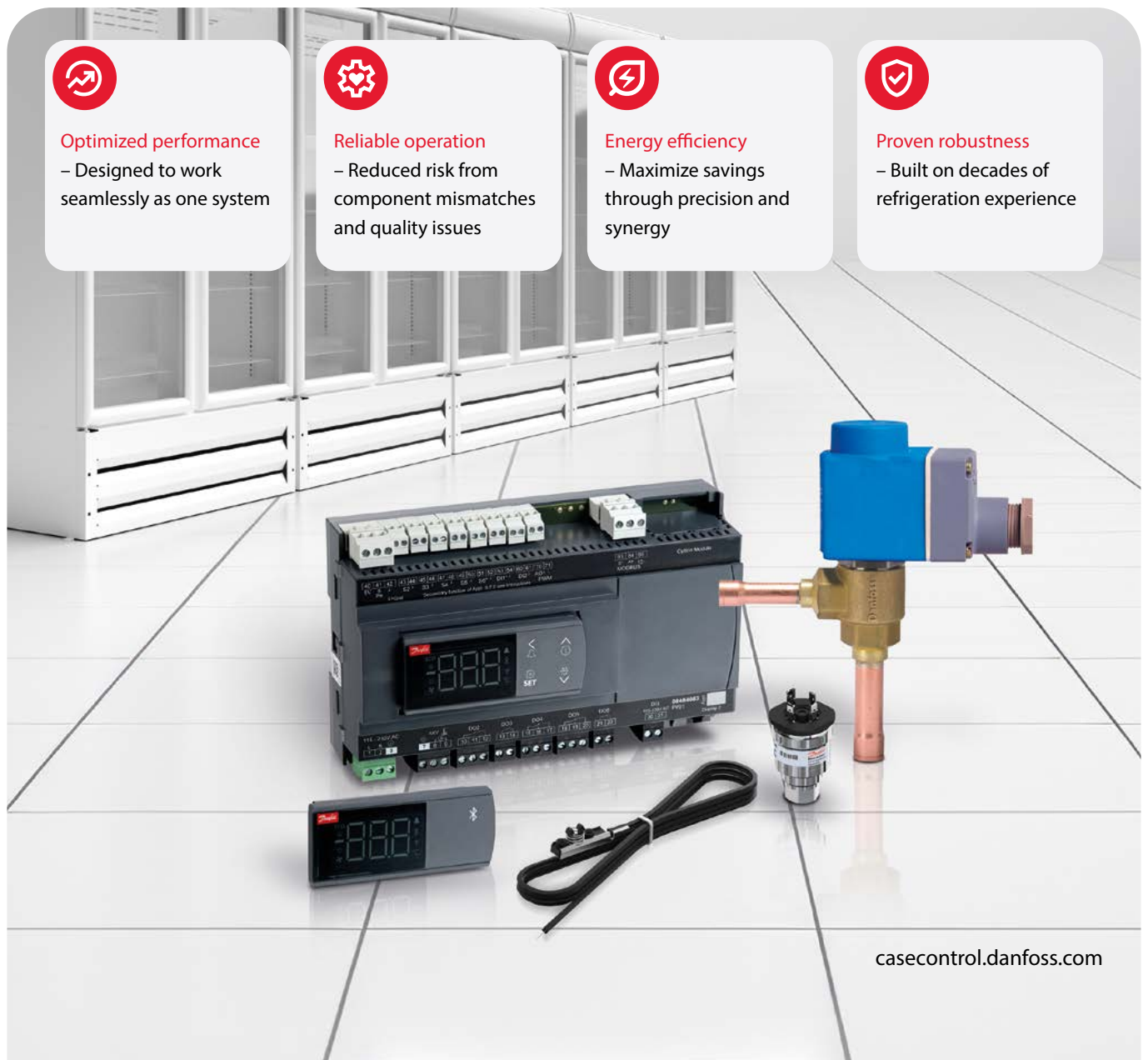
#### Energy efficiency

– Maximize savings through precision and synergy



#### Proven robustness

– Built on decades of refrigeration experience



# Are you compromising performance with **mismatched components**?

Choosing the right combination of components is critical for long-term reliability, energy efficiency, and stable system performance. Even small mismatches — like using sensors or valves that are not designed to work together with the controller — can lead to reduced accuracy, higher energy consumption, and unforeseen service and reliability issues.

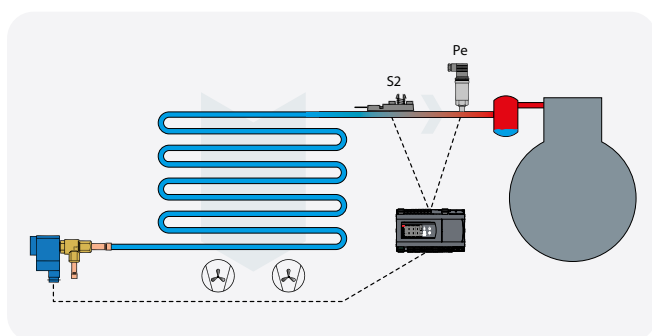
## A **complete, optimized** bundle from Danfoss

The AK-CC55 case controllers, AKV 10P expansion valves, AKS 32R pressure transmitters, and AKS 11 temperature sensors are designed to work seamlessly together — unlocking the full performance potential of your refrigeration system.

- **AK-CC55:** Delivers 6–10% energy savings using adaptive superheat and defrost algorithms. Built for simplicity and flexibility, with mobile connectivity and multiple variants for all store sizes.
- **AKV 10P:** Robust and durable with over 4 million valves installed worldwide. Long lifespan, reduced operation noise level, and damping design minimizes liquid hammer and ensures system stability.

- **AKS 32R:** Highly reliable pressure transmitter with minimal reading error. Accurate readings reduce energy waste – a 1K deviation can increase consumption by 3%.
- **AKS 11:** Fast and precise temperature sensor for optimal efficiency. Essential for stable superheat control and to avoid costly evaporator overflows.

Choose components that are built to perform together and proven in the field — and experience the difference in energy savings, reliability, and peace of mind.



AK-CC55



AKV 10P



AKS 32R



AKS 11



Energy-efficient refrigeration with ADAP-KOOL® case controls

<https://www.danfoss.com/en/markets/food-and-beverage/dcs/case-controls/>

Take user friendliness to the next level with AK-CC Connect app

<https://www.danfoss.com/en/service-and-support/downloads/dcs/adap-kool-software/ak-cc55/>