

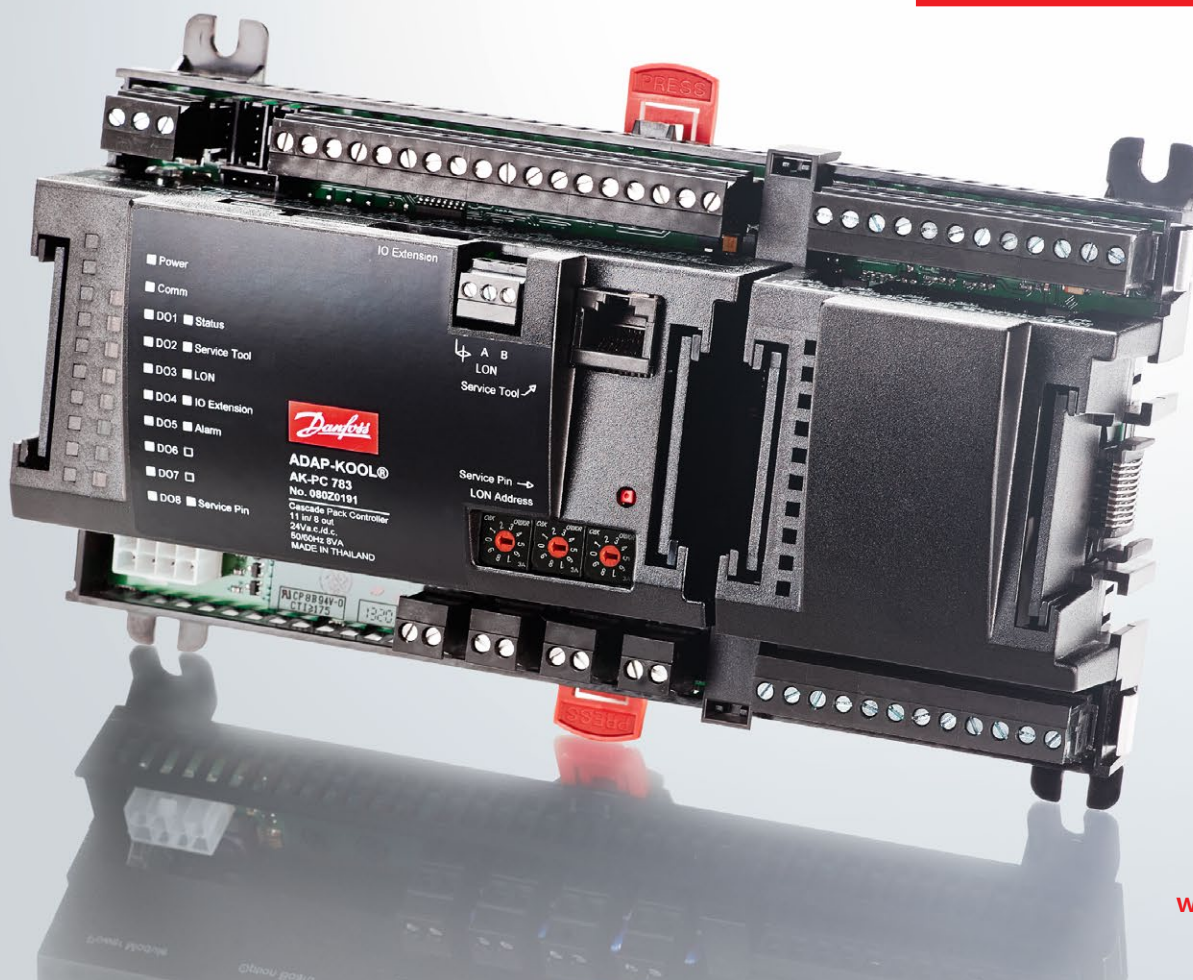
Danfoss AK-PC 783 capacity controller

# Factory pre-set and ready to go – CO<sub>2</sub> cascade systems **made easy**

Danfoss AK-PC 783 capacity controller with cascade control is a multifunctional compressor and condenser controller, that ensures maximum energy efficiency under all pressure conditions.

The controller is equipped with oil management, simple heat recovery function and coordination between high-and low-pressure control.

**1** AK-PC 783  
to ensure complete control of hybrid cascade systems with CO<sub>2</sub>.



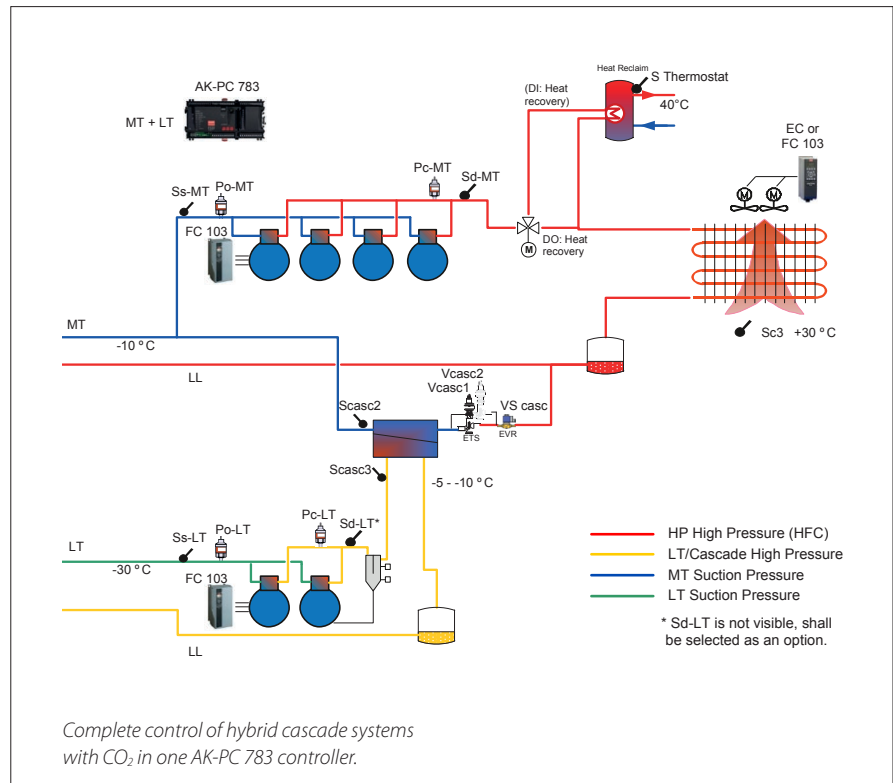
# Everything you need for full cooling control

## Complete Integrated Controls:

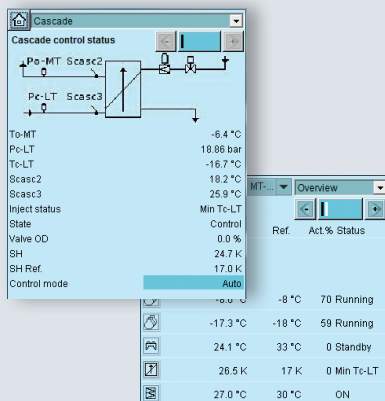
- Up to 5 Medium Temperature (MT) and 3 Low Temperature (LT) compressors
- Piston, screw or digital scroll compressors
- Best fit capacity control of equal or unequal compressor combinations
- Oil equalization on MT compressors
- Robust superheat (SH) control of cascade heat exchanger
- Up to 8 condenser fans
- Pump control of MT CO<sub>2</sub>
- Variable speed control of lead compressor and condenser fans

## Energy saving features:

- Suction pressure optimization
- Night setback
- Load shedding
- Floating condenser control
- Heat recovery set point via DI or build in thermostat
- Night silence function



## Dynamic menu displays:



## Graphical user interface:

- Status display for daily use and service
- Service tool for set-up and commissioning of multiple applications
- Intuitive and simple interface giving maximum overview and control

## Proven technology

- Danfoss has more than 10 years of experience within CO<sub>2</sub> refrigeration controls
- Over 1,000 CO<sub>2</sub> cascade systems installed globally
- Broadest CO<sub>2</sub> component portfolio on the market

For more information on AK-PC 783 and our other cooling solutions, visit [www.danfoss.com](http://www.danfoss.com)