



# Optimize energy efficiency with reliable **ADAP-KOOL®** pack control

## ADAP-KOOL® pack controllers



### AK-PC 782B high-end CO<sub>2</sub> pack controller

The flexible AK-PC 782B pack controller delivers highest efficiency.

[Learn more about AK-PC 782B](#)

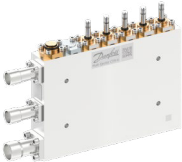
Coming soon



### AK-PC 35 pack controller

Compact pack controller for HFC and A2L refrigerants that provides accurate control, operational reliability and energy savings.

- Management of 2 suction groups, up to 6 compressors (6/4+2)
- Support of different compressors, variable and steps
- Management of floating suction setpoint and floating condensing setpoint



## Complete Multi Ejector portfolio

For all store sizes, CO<sub>2</sub> systems and climates.

- High Pressure – 3 types (150 kW and up)
- Low Pressure – 2 types (40-150 kW)
- Liquid Ejector – 5 types (40- 450 kW)
- Combi HP/LE – 3 types (40 to 105 kW)

[Read more about Multi Ejector](#)



## DCR filter dryer

- Reliable 90 bar filter driers with solid core
- Lightweight solution with a unique cartridge design for easy service

[Learn more about DCR](#)



## CCMT valve

Versatile functionalities for transcritical CO<sub>2</sub> systems.

- Reliable
- Flexible
- Fully serviceable
- Simple
- Quick installation

[Find out more about CCMT](#)

NEW



## ICMTS 50 for large capacity transcritical CO<sub>2</sub> systems

CMTS platform is expanding to larger sizes to meet an increasing demand of large motorized valves in industrial design for large scale R744 transcritical CO<sub>2</sub> systems.

[More about ICMTS 50](#)

Explore our well-proven  
and flexible CO<sub>2</sub> solutions  
for **high reliability**

*Danfoss*



### Transcritical CO<sub>2</sub> compressors

Unmatched efficiency and reliability.

- 24 displacement stages from 1.7 to 59.1 m<sup>3</sup>/h (50 Hz)
- Cooling capacity 3-135 kW / heating capacity 9-182 kW - LP/HP: 100/150 bar

### Subcritical and LT CO<sub>2</sub> compressors

Ideal for low-temperature needs.

- 21 displacements from 1.6 to 59.1 m<sup>3</sup>/h (50 Hz)
- Cooling capacity 2.7-108 kW - LP/HP 40 (30)/55 bar
- Designed for subcritical CO<sub>2</sub> systems with high standstill pressures (LP 100 bar)

Danfoss COM (Compressor Oil Management) ensures an optimal oil level management for semi-hermetic, scroll and reciprocating compressors.

[Read more about CO<sub>2</sub> compressors](#)



### FC 103 VLT<sup>®</sup> refrigeration drive

- One drive for all refrigerants
- Intelligent control for efficient operation and maintenance cost
- Cyber-certified (IEC62443-4)
- For 10+ years of reliable operation
- A3 certified for operation in highly flammable refrigerant installations

[Find out more about FC 103](#)



### EVT solenoid valves for CO<sub>2</sub>

Solenoid valves for high-pressure CO<sub>2</sub> cooling applications in Food Retail.

[Read more about EVT](#)



### AKS 2050 pressure sensor

For high pressure and with pulse-snubber in the pressure connection.

[Read more about AKS 2050](#)



### AKS 11 surface mount temperature sensor

[Learn more](#)



### AKS 12 general purpose temperature sensor

[Learn more](#)



### AKS 21 sensor for extreme temperatures

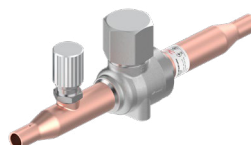
[Learn more](#)



### CKB pressure switch

Safety pressure switch with excellent performance in CO<sub>2</sub> systems.

[More about CKB](#)



### GBC 90 bar shut-off ball valve for refrigeration

Solder connections extend up to 42s.

[Learn more about GBC](#)