

CCM presentation

The valve for CO₂ gas bypass and liquid expansion



90 Bar

working pressure

Precise
positioning for
optimal control

CCM - Gas Bypass & Liquid Expansion Valves for CO₂



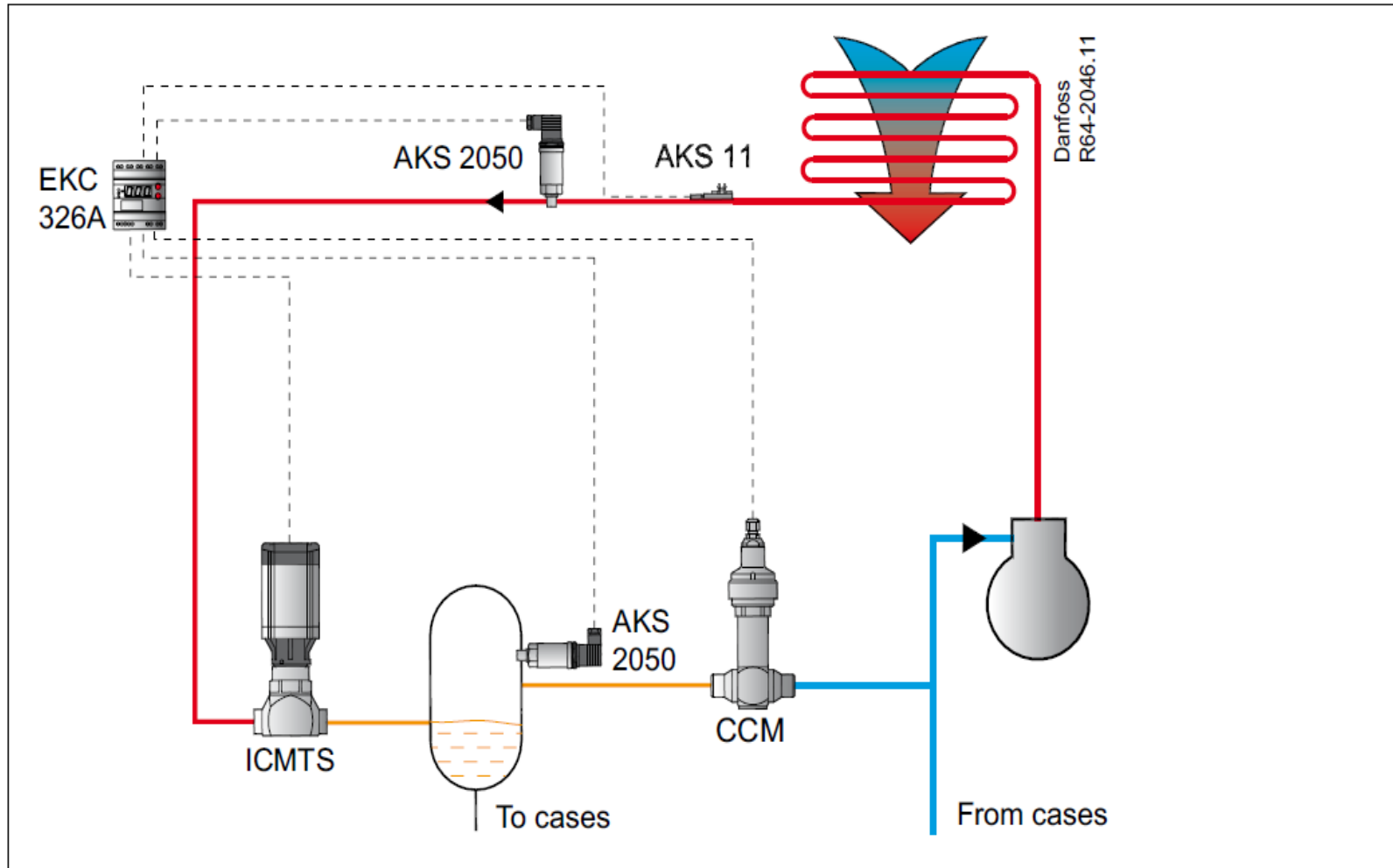
- Designed to allow for intrinsic standstill security of CO₂ refrigeration systems: MWP 90 bar (1305 psi).
- Balanced and stabilized cone design to allow for MOPD of up to 50 bar (725psi).
- Combined DIN butt weld and solder connections.
- Stainless steel housing for high strength and corrosion resistance.
- Designed for both use in gas bypass and expansion applications.
- Available in four capacity steps with Kv: 0.6 – 4.2 (Cv: 0.7 – 4.8).
- CCM close the gap between ICMTS and ETS.
- Available in all sizes from September 2010.

The CCM gas bypass and expansion valve

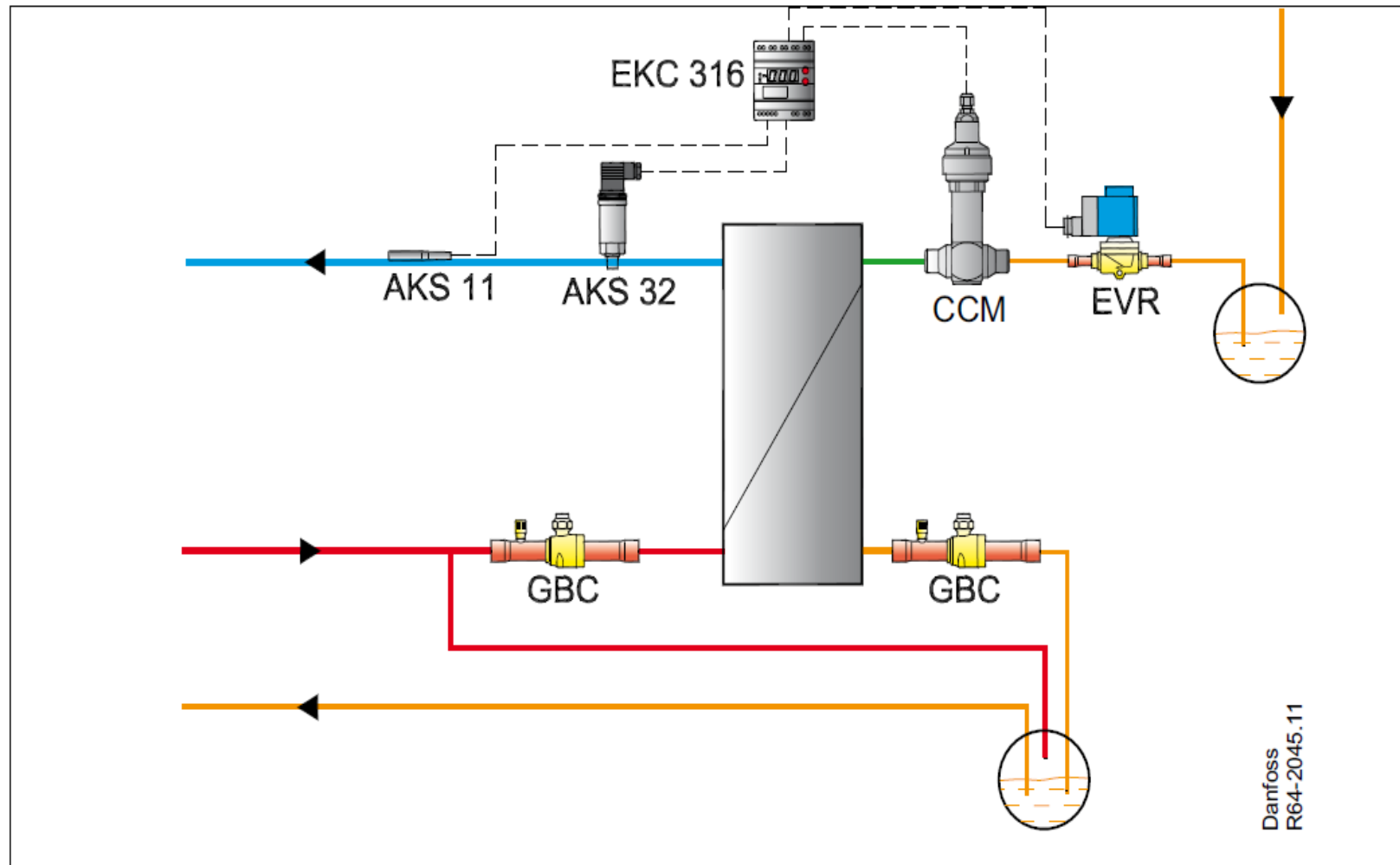
- 90 bar valve designed for CO₂ refrigeration systems.
- 50 bar MOPD.
- Suitable for CO₂ liquid injection and gas bypass.
- Balanced force-design secure stable operation.
- Direct butt weld and solder connections.
- Low temperature stainless steel valve housing.
- M12 electrical connection.
- Four sizes available.



Typical gas bypass application for a CCM valve



Typical expansion application for a CCM valve



The text 'CO₂' is rendered in a large, bold, green font. The letters have a slight 3D effect with a soft shadow cast beneath them.

Read more about Danfoss CO₂ products and solutions

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