

Conclusion

After 10 years development and production of heat recovery systems for transcritical CO₂ plants we can offer the leading European manufacturing experience, optimal solutions, diverse applications and the highest flexibility in the market place.

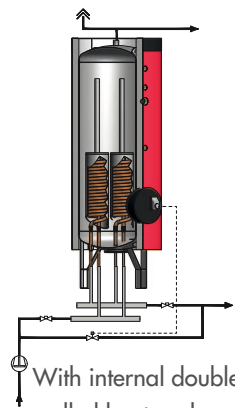
Substantial experience

We have now produced and supplied over 500 heat recovery systems complete with 2,200 heat exchangers (max. operating pressure 130 bar and max. operating temperature 150°C)

Our substantial experience is based on many contacts to customers, planners and decision makers within the supermarket sector.

Total solutions for various applications

Heating portable water



With internal double walled heat exchangers (storage tank system)



With internal single walled heat exchangers and stainless-steel spiral tube heat exchanger (through-put demand system)



With external double walled heat exchangers (storage tank system)

Heating of heating water



With internal single walled heat exchangers

Heating of portable and heating water



With internal single walled heat exchangers and stainless-steel spiral tube heat exchanger (throughput demand system)

Highest flexibility in manufacturing

Your enquiries are welcome. DK can manufacture heat recovery systems exactly to your requirements. Please see our image gallery of the production of a DK energy storage solution.



DK HEAT RECOVERY FOR CO₂ SYSTEMS

DK are celebrating the 500th order for a heat recovery system for operation with transcritical CO₂ plant. We are very proud to have reached this remarkable milestone, and thank our customers for their trust and support, especially as we were all working together at the starting point of this journey.

DK began the journey in February 2008 at EuroShop in Dusseldorf; launching the first CO₂ heat recovery system, already with TUV certification for working conditions of 130 bar, 150°C.

The first order from this exhibition was received 1 month later.

As a relatively small company DK took the decision to invest our resources in spearheading the research & development, realising what we saw as the natural future for refrigeration & heat recovery – CO₂ refrigerant.

The push towards meeting refrigeration environmental standards has been led by the supermarket engineers. In meeting these standards, CO₂ subcritical and transcritical plant offers excellent opportunities to meet a number of environmental challenges and an equally important fuel and carbon saving ability in harnessing valuable high temperature waste energy, for both potable hot water consumption and store space heating.

Almost ten years since our first manufactured system was delivered, DK has continued to expand on our experience, and to now offer our customers a variety of heat recovery options – from single potable and heating tank based systems to multi-function combination tanks.

Your DK-Team

**Thank
you!**



Cool Solution – Hot Performance – DK

DK-Kälteanlagen GmbH • Hollefeldstraße 30 • 48282 Emsdetten • Germany
Phone: +49 2572 9314-0 • E-Mail: info@dk-kaelteanlagen.de • www.dk-kaelteanlagen.de

