GREEN® GREEN

Green Refrigeration Systems



Green & Cool

Micael Antonsson







Carbon dioxide, CO₂, is now established as a refrigerant in store applications.



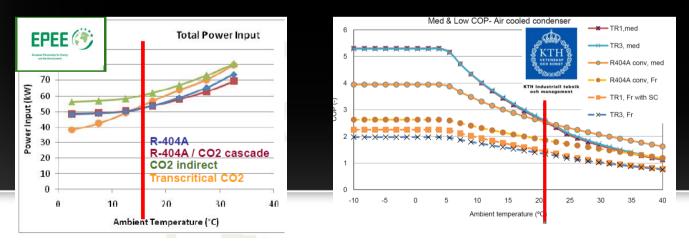




With efficiencies better or equivalent to R404A.

Results reported by EPEE, Royal Institute of Technology Stockholm and many

more ...



GREEN[®] **SCOOL** Green Refrigeration Systems



Beyond this, environmental benefits and unique features for heat recovery will make this refrigerant even more attractive.



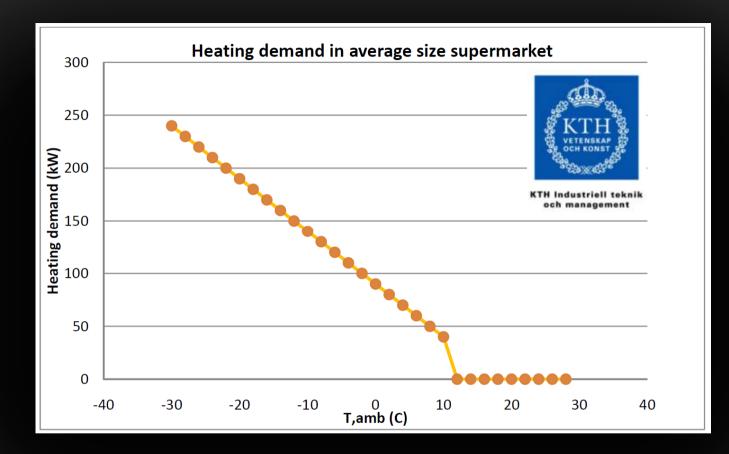


Green & Cool

Heat reclaim Solution











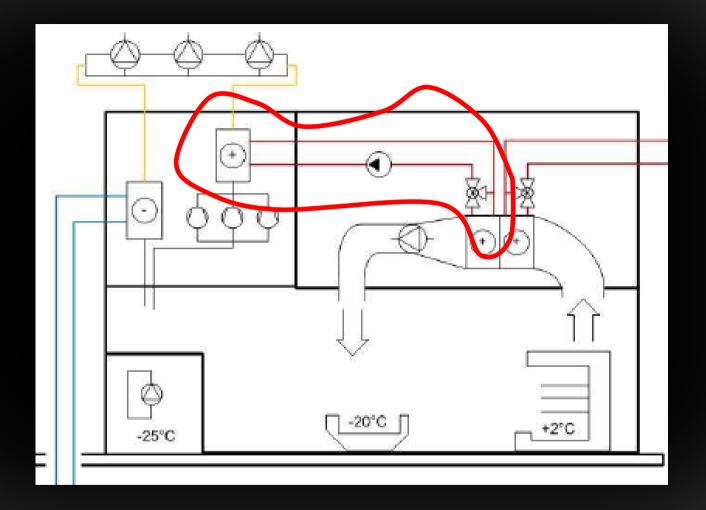
Hot gas de-superheat heat reclaim a cost effective solution



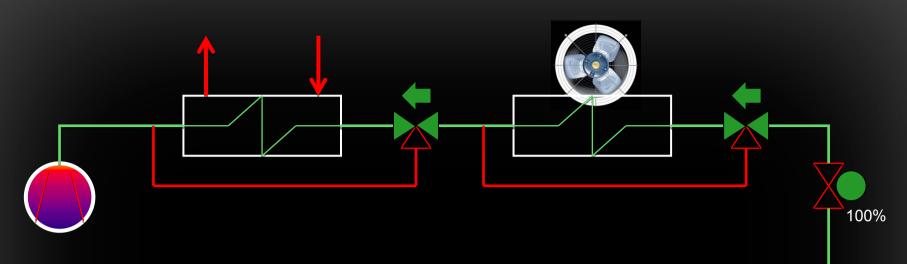
Energy can be used in several types of heating systems

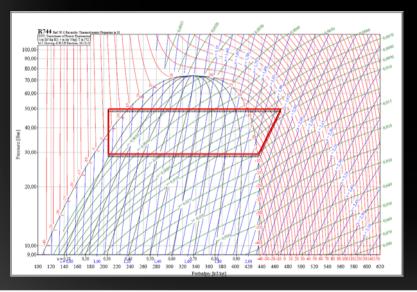
Under floor heating, low return temp.
Air heating, high outlet temp.
Radiators, high outlet temp.
Air curtains, high outlet temp.
Snow melting, low return temp.





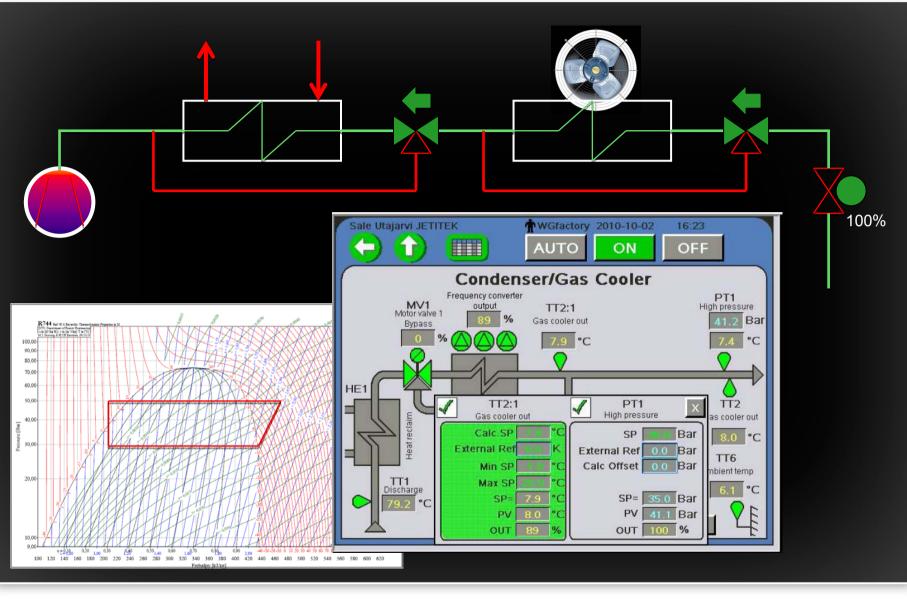




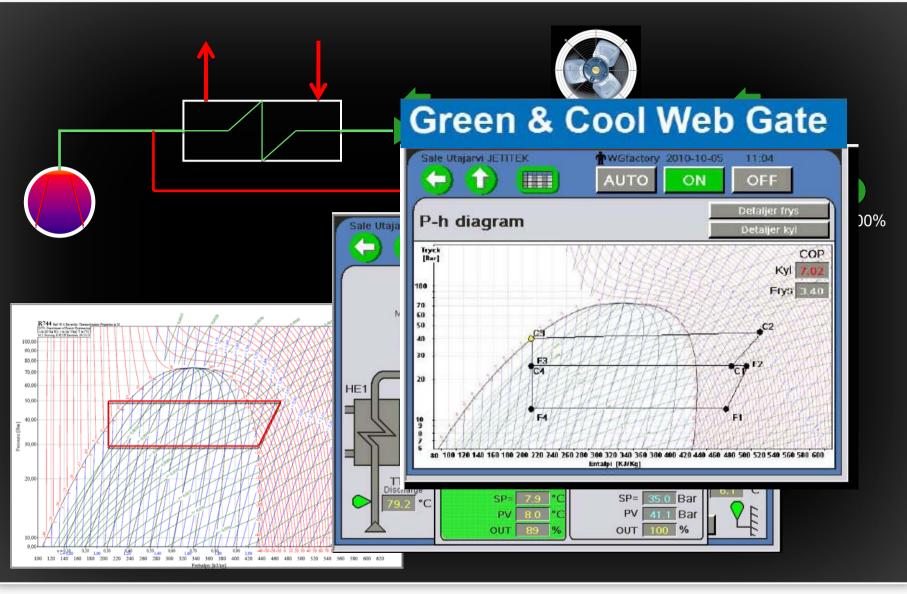


Winter operation No heat reclaim



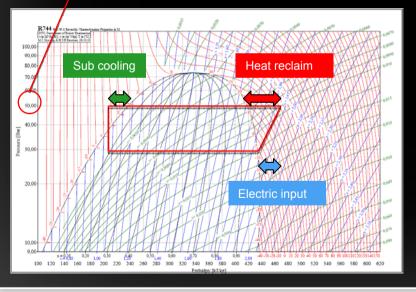






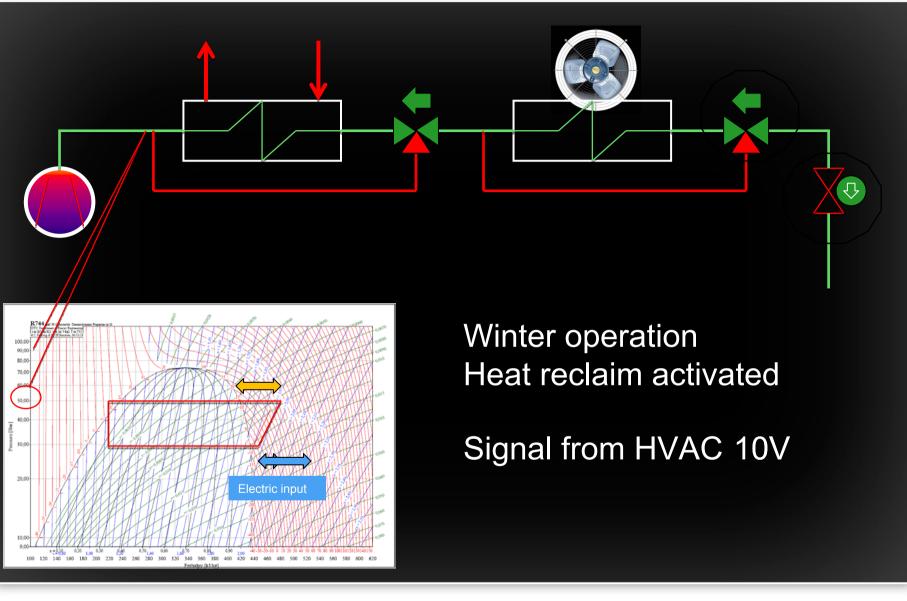


High pressure control valve trotting to control sub cooling

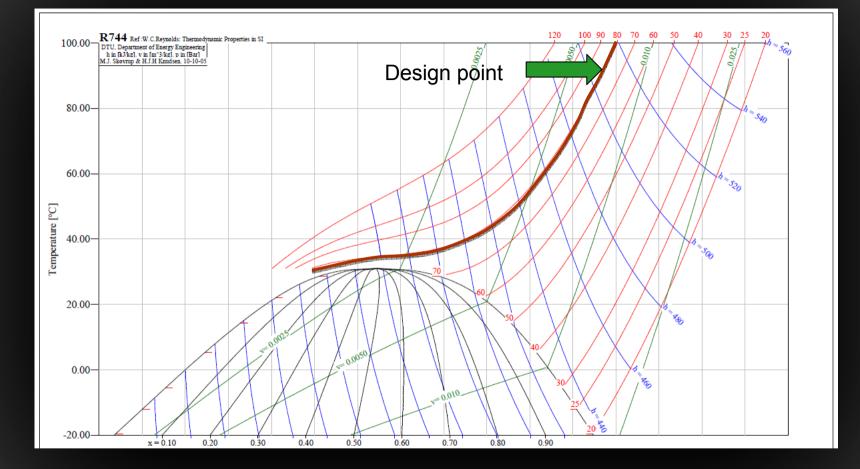


Winter operation Part heat reclaim Sub cooling

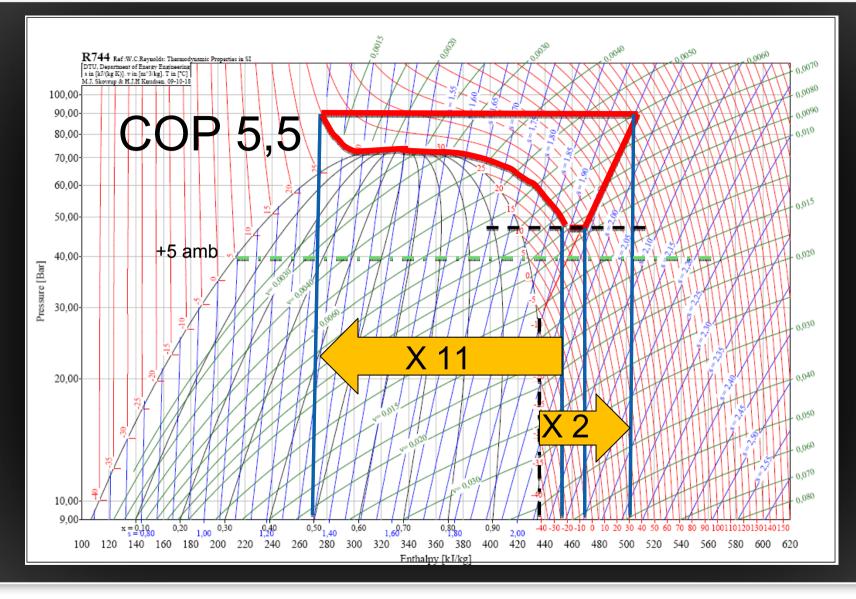




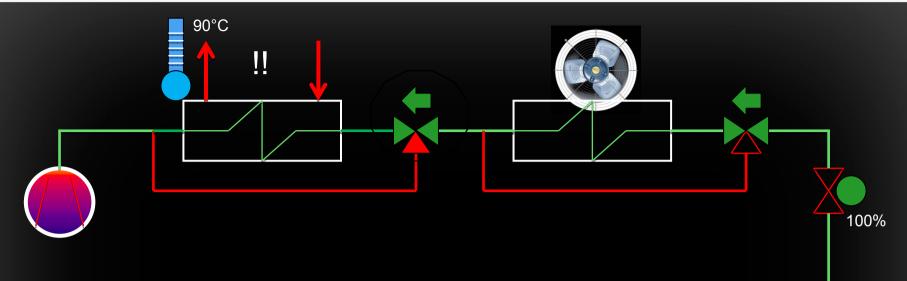


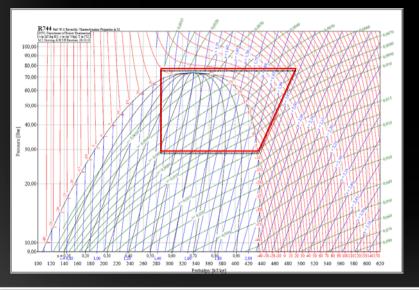












Summer operation No heat reclaim "Boil Protection" activated Water outlet > +90*C





CO2 has unique properties, with a "intelligent" control system and heat exchangers with proper design high energy savings can be achieved.





Thank you!

Located in northern Europe

- with a global market



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