



CO₂ HVAC-Systems

Merak's CO₂ technology is an ideal solution for new developments as well as system overhauls. With a low-risk profile and no need for train modifications, it offers a seamless and future-proof integration. The technology is already trusted by many customers and over 1.000 HVAC units already delivered.

„Our CO₂ systems achieve the same levels of weight, acoustics, efficiency and cost as traditional synthetic refrigerants, thanks to continuous development and extensive testing at our Center of Competence (CoC) CO₂. Merak also offers highly efficient CO₂-based heat pump solutions, delivering significant energy savings.“

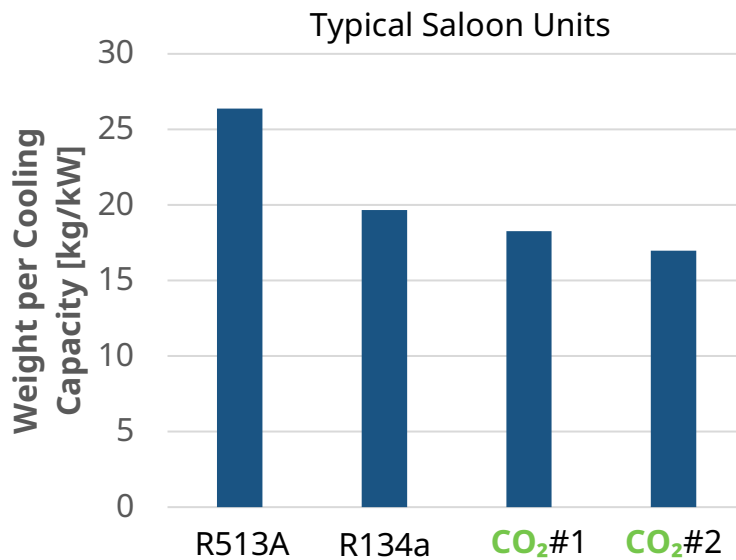
Michael Flandorfer, Managing Director Merak Austria

“Due to its pressure and volume, the energy stored in the CO₂ refrigerant circuit is equivalent to just about ¼ of the energy contained in a standard scuba diving tank.”

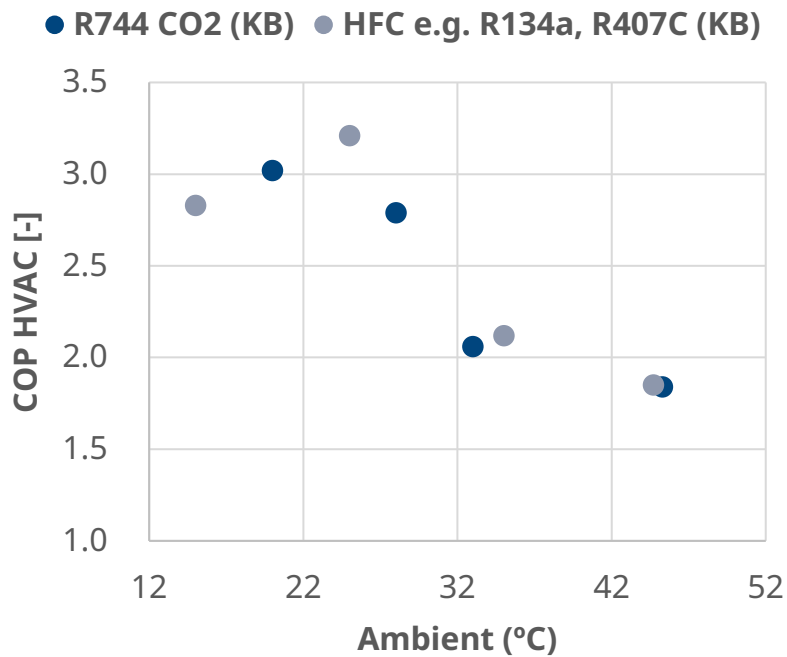
Dr. Clemens Freidhager, Engineering Manager Merak Austria

MERAK

The world leader in natural refrigerants



CO₂ HVAC units are lighter than comparable units using synthetic refrigerants.



CO₂ HVAC units are as energy efficient as HVAC units using synthetic refrigerants, shown by climate chamber measurements.

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