

R454B

EASIER TO SELL THAN TO SAY



In line with the objective of the F-gas and the Kigali Amendment, MEHITS used its state-of-the-art research and development centres and its cooperation with Mitsubishi Electric group laboratories to conduct in-depth evaluations of different refrigerant and components alternatives.

Identified with the acronym **G06**, R454B is a hydrofluoroolefin-based refrigerant to replace R410A. Due to the mild flammability of R454B refrigerant, some additional precautionary steps must be taken during transport, storage, installation, and service activities.

“As a result, for our multi-scroll chillers and HP we selected R454B. It came out as the best solution, to minimise environmental impact and energy use, also improving performances,” said MEHITS VP Chief Operating Officer **Hidekazu Tani**.



R454B Refrigerant

High density, low GWP refrigerant

► **Composition:**
69% R32 + 31% R1234yf

► **Global Warming Potential:**
466 (IPCC AR5)

GWP: 466

- 76% vs R410A
- 31% vs R32

► **Safety classification:**
- A2L mildly flammable (ISO 817)
- Fluid Group 1 (PED)

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MEHITS supports its customers and their stakeholders by offering specific documents to manage R454B products during their different life stages. A different and more structured procedure for a greener approach to the market, as requested by the most challenging projects and customers worldwide. But different doesn't mean more difficult.

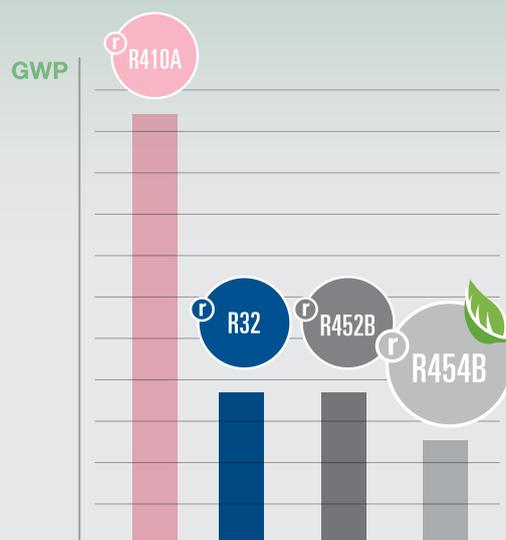
As MEU GER demonstrates with the first G06 unit sold: 1x NX-G06 /LN-K /0702P. It is an air-cooled chiller for a comfort application: the new Merck HQ in Darmstadt, Germany.

Michael Lechte, Manager Product Marketing, Living Environment Systems at the Mitsubishi Electric Europe B.V. **German Branch** says: *"The ability to supply this technology and the structured process adopted has been appreciated by the customer. This successful project has helped us in building a solid relationship with this forward-looking customer. I'm sure that this project will be leading example for future eco-sustainable tenders"*.



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Michael Lechte, Manager Product Marketing, Living Environment Systems at the Mitsubishi Electric Europe B.V. **German Branch** says: *"Merck is a global player in Pharma Industry, a "green" company, therefore it was not difficult to convince the customer to use R-454B refrigerant for the new chiller". And adds: "By providing a dedicated brochure prepared by MEU-GER the customer was convinced to install the unit without any additional risk."*



**TO LEARN MORE
ABOUT THE PRODUCT:**

<https://www.melcohit.com/EN/Products/Product.aspx?IdSottofamiglia=2413>