

Sustainable cooling solutions: Zanotti Confirms Refrigerant R-455A for Monoblock Cooling Systems

CATEGORY:

Commercial Refrigeration

THE CONTEXT:

Zanotti is a leading manufacturer of refrigeration systems for commercial, industrial and transport applications. It works with CO₂, propane and ammonia, but is aware that these are not suitable for every application. When Honeywell's Solstice® L40X (R-455A) came to its attention, Zanotti embarked on a test programme to assess the refrigerant as a potential replacement for R-404A in its range of monoblock cooling systems. Mindful of the necessity to further develop their systems for use with refrigerants showing lowest-possible global warming potential (GWP), Zanotti found in R-455A an optimal solution for such applications.

SUSTAINABLE COOLING SOLUTION:

- Solstice L40X (R-455A) is a zeotropic blend refrigerant which is designed for low-, medium- and high-temperature applications in new systems.
- Low GWP of only 146, compliant with the F-Gas Regulation
- Close capacity match to R-404A and, compared to a propane (R-290) refrigerant, extended capacity by 20%, with improved energy efficiency and a similar COP
- Lower flammability risk than R-290.
- Suitable for plug-in type cabinets, condensing units, waterloop systems and monoblocks for cold rooms and freezer rooms, heat pumps, and chillers.



BENEFITS:

Solstice L40X (R-455A):

- Provides Zanotti with an F-Gas-compliant (GWP) solution
- Is a long-term refrigerant solution for Zanotti's monoblock range
- Presents a very low flammability risk
- Is compatible with current compressor technology
- Matches the cooling capacity and COP of R-404A with the same refrigerant charge

TOPIC:
Refrigerants

GENERAL INFORMATION

NAME OF THE COMPANY: Honeywell

The Honeywell logo, consisting of the word 'Honeywell' in a bold, red, sans-serif font.

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HYPERLINK TO LEARN MORE ABOUT THE SUSTAINABLE COOLING SOLUTION:
https://www.honeywell-refrigerants.com/europe/wp-content/uploads/2018/08/CaseStudy_Zanotti_210x297mm_EN_2482018_Web-Version.pdf