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LU-VE Highlights Emeritus

At the ISH 2017, LU-VE highlighted Emeritus, the latest addition to the range of dry coolers, condensers, and CO₂ gas coolers created by LU-VE Exchangers. The patent pending new solution has been developed in collaboration with the Polytechnic University of Milan.

Emeritus unites the advantages of the spray system and adiabatic precooling, matched to a sophisticated control system. It is particularly suitable for use in air conditioning and in refrigeration systems, especially CO₂ applications.

The product can increase capacity up to 400% compared to dry operation. Its advantages include better coefficient of performance (COP); silent operation; up to 60% less energy consumption; up to 95% reduced water consumption compared to cooling towers; and up to 80% reduced footprint.

Emeritus is equipped with two types of protection: sensors to check constantly the water quality and

Aluplus which is a new magnesium-aluminum alloy fin coated with a special paint treatment to give strong protection to corrosion.

A sophisticated software memorizes the total operating hours of each spray ramp and adiabatic panels. Thanks to a 'logic of rotation', it selects which resource should be activated optimizing the numbers of hours per year of spray operation.



LU-VE Emeritus



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