



## Technology

### ■ A transcritical CO<sub>2</sub> system efficient in hot countries

The retail trade fair EuroShop 2017 took place in Düsseldorf (Germany) in early March. A transcritical CO<sub>2</sub> refrigeration system was presented: entitled “Full Transcritical Efficiency” (FTE), it was launched by Epta. Francesco Mastrapasqua, Refrigeration Systems Marketing Manager in the group, described the system as simple (only a tank has to be added to a traditional transcritical CO<sub>2</sub> system), global (since the system is supposed to be efficient in any climate), industrialized (the system is produced in a large scale) and reliable.

Two years of tests have been conducted by Epta in Italy and Australia. In Italy, the maximum outside temperature reached during summer was 36 °C. In Australia, the outside temperature reached 47 °C. According to EPTA, this system could be installed in hot countries since the tests showed an annual efficiency gain of around 10% compared with traditional CO<sub>2</sub> systems in Italy and Australia.

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