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What natural refrigerant products have you chosen to showcase at Chillventa and why?

The main product that we are presenting at Chillventa 2014 is our new U range, which has with 3 models, the NUT55CA, NUT60CA and NUT70CA, for R290 LBP applications, mainly ice cream freezers. These 3 models cover cooling capacities between 227 and 288 kcal/h with a COP of 1,80. These compressors are at this moment the most efficient in the market for this type of application. We will extend this range to other displacements and natural refrigerants like R600a. At the same time we will also present a new Variable Speed Compressor, the NUT60FSN, that works with R290 and is suitable for coolers. This particular model has a COP over 3,00 that makes it the most efficient in the market.

What are the key product features and how do they help end users save energy and money and/or change the market?

The main market trend is to reduce the energy consumption and to use natural refrigerants, and hydrocarbons offer the best option. We have been working to improve the efficiency of our compressor by designing and manufacturing more and more efficient products. This allows the end users to reduce the cost of energy in their business and also to reduce CO₂ emissions to the atmosphere.

How do you think the natural refrigerant product offering at Chillventa has evolved over the last few last years?

The first thing that has evolved in a dramatic way over the last years is the demand for compressor's working with natural refrigerants; this increase has been accompanied by a reduction in energy consumption. If we look at Cubigel Compressors® in particular, we have increased our range of compressors working with natural refrigerants with the aim of covering all types of applications and markets but the main change is the efficiency level. The new U range offers an efficiency that is 65% higher with respect to the first propane compressors designed about 10 years ago.

For which region in Europe do you see the biggest growth/interest for natural refrigerant products?

Initially the use of natural refrigerants was more common in the north of Europe, mainly Scandinavian countries and Germany, but now the countries in the south of Europe are also moving towards this option. Based on this, I would say that across Europe as a whole the use of natural refrigerants, R290 and R600a, for light commercial applications is growing.

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- › The most complete range of compressors and condensing units
- › Environmental and sustainable refrigeration for commercial appliances
- › European manufacturing
- › Innovation and quality

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