

CASE STUDY

BAKERY CHOOSES CAREL AND PERFORMAX™ LT – THE PERFECT PARTNERSHIP



When Bedfordshire-based cooling equipment engineers Total Cool Refrigeration & Air Conditioning Ltd took on a project in July/August 2012 to install new equipment within a local flatbread bakery, they spoke to David Richards from Climalife UK to help them choose the correct refrigerant for their customer's needs. Although they have previously used R404A they were aware that it may not be the best long term option for the bakery. Based on the advice given they chose Performax™ LT (R407F) as the refrigerant because of its lower GWP and Carel components, both of which were supplied by Climalife UK to help them complete the task.

The installation for the bakery consisted of 3 x Friga systems (Bitzer) FSMP6J-33.2Y multiplex semi-hermetic compressors in a packaged unit with 3 coolers, with a cooling capacity of 225KW, and evaporating temperature of -1°C C to +1°C, condensing at 43°C. The flatbreads are required to come out of the oven at a temperature of 80C need to be very quickly cooled to 20°C.



Performax™ LT (R407F) was selected as the refrigerant of choice due to its energy saving benefits and low GWP in comparison to R404A which tends to be the conventional choice for this type of application. Since the completion of the project both the customer and Total Cool Refrigeration & Air Conditioning Ltd have been pleased with the results of using Performax™ LT .



Total Cool Refrigeration & Air Conditioning Ltd's owner Mark Raphael initially elected for Carel electronic expansion valves because they were found to be the only ones available with settings for Performax™ LT, however once he discovered that the parts were very user-friendly and easy to install, he would have no hesitation in using Carel again.

For further information please contact: Laura Haim, Marketing Co-ordinator for Climalife in the UK.

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