



COOLING FOR KELLY'S CORNISH ICE CREAM PRODUCER



The Challenge

Celebrated Cornish ice cream producer Kelly's wanted to upgrade a process chiller to a more powerful and energy efficient unit to meet the growing demand for the clotted-cream based product.

“ As well as the product, we attended to the delivery logistics for the new equipment, arranging for a crane to safely remove and replace the equipment. ”

ICS Cool Energy

WE MAKE IT WORK

The Solution

Acclaimed ice cream producer Kelly's of Cornwall whose product can be found in leading retailers including Tesco and Sainsbury turned to ICS Cool Energy to supply an upgrade of the process chiller for cooling the pasteuriser.

The process had to be energy efficient to work at an ambient temperature of up to 32°C, supplying fluid to the process at 15°C and returning at 20°C. As well as class leading efficiency, it also needed to be quiet in operation as there are private residences nearby.

Following a full consultation, an Aptus air cooled A rated chiller was specified that is capable of extracting 228kW at the above conditions, with precise temperature control.



The Result

ICS Cool Energy delivers process cooling across industries and has special experience in food production and the dairy sector where process control as well as hygiene is essential in all sizes of businesses from the niche producer to global player.

The Aptus chiller range and heatpumps with scroll compressors provides a wide selection of capacities from 34kW – 885kW cooling and 35.8kW – 871kW heating. As well as having 'Class A' efficiency, the range has high EER values.

It's part of a product range that provides the backbone for ICS Cool Energy's fully integrated and individually designed production solutions including|:

- Free cooling and heat recovery
- Adiabatic cooling – a cost effective alternative to cooling towers and remove legionella risks
- FlowCool-FS from ICS Cool Energy is NSF-accredited for food industry use
- Water treatments for equipment protection



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