

Press information



BITZER SE

Eschenbrünnlestraße 15
71065 Sindelfingen // Germany
Tel +49 (0)70 31 932-0
Fax +49 (0)70 31 932-147
bitzer@bitzer.de // www.bitzer.de

Unser Zeichen // Our Ref.

Abs. // Sender	Patrick Koops
Abt. // Dept.	Public Relations
Tel-Dw. // Ext.	+49 (0)70 31 932-43 27
Fax-Dw. // Ext.	+49 (0)70 31 932-5 43 27
E-Mail	patrick.koops@bitzer.de

Acting smart with ammonia

Sonderborg/Sindelfingen, 01.10.2019. Danish system manufacturer ICS and BITZER Nordic, the BITZER branch office responsible for the Scandinavian markets, successfully passed various BITZER Ammonia Compressor Packs (ACP) on to one of the biggest Danish food-processing companies. Additionally, this company benefits from the BITZER IQ modules being an integral part of every ACP.

Traditionally, Denmark's colours are red and white – but the country is also very green. One of Denmark's largest food processors thinks so, too, and repeatedly opts for Ammonia Compressor Packs made by BITZER (ACPs). Last year they initiated another big project: since early 2018, two ACPs with three IQ modules each cater for the production of ice water with +1°C, serving the customer's production processes. Their reliable partner in this case: ICS Industrial Cooling Systems. The Danish system manufacturer has been partnering with BITZER since 1987.

Mikael Olsen, Project Manager at ICS, reports: "It's a longer story: in January 2018, ICS brought two ACPs into operation at one of our biggest customers, who subsequently disposed of a refrigeration capacity of 4 MW at their central cooling plant. Concept and implementation were convincing, so planning for the final completion with BITZER ACPs with a total capacity of 12 MW began. A requirement was the use of products from BITZER, since some years ago ICS delivered and installed a rack which was constructed with BITZER components." For this new application, system requirements were very clear: the solution had to fulfil specific claims regarding the capacity demand of a high COP and compact sizes. Now this design performs at a COP of 6.2. Claus Groenne, Regional Manager BITZER Nordic, agrees: "We know that ICS attaches great importance to the COP – so we recognised right away that ACPs would be the best solution to go with in this special case."

Ammonia has no global warming potential, making it an excellent choice for environmentally conscious Danish companies. There are two screw compressors in each ACP, with each compressor and oil

Press information



separator being monitored by a BITZER IQ module. These modules operate all compressor features such as the mechanical capacity control, additional cooling, oil return and the oil heater. They also monitor the oil level, the discharge gas and motor temperature, and can even monitor the application limits of the compressor.

Mikael Olsen recapitulates: "The ACPs are running very well. We often opt for ammonia, as it is highly efficient and has no global warming potential. This was a very important argument for our customer. At their premises, there are also more than 20 BITZER screw compressors in operation using ammonia as well. Currently, we have four BITZER ACP units running there which are meant for refrigeration and four of our own heat pump units using BITZER screw compressors. BITZER provides excellent service for all of them."



As an independent specialist for refrigeration and air conditioning technology, BITZER is present all over the world: with products and services for refrigeration, air conditioning and process cooling as well as transport, BITZER ensures optimum temperature conditions for trade in goods, industry processes and indoor climate control – always considering highest possible energy efficiency and quality. BITZER is represented all over the world with 65 sites in 34 countries – sales companies and production sites inclusively. Trade and service partners included, the BITZER network of manufacturing, development and sales extends to almost all countries in the world. In 2018, 3,500 employees generated a turnover of €740 million; expenditure for research and development totalled €37 million.

Overview of images

Images may only be used for editorial purposes. They can be used free of charge if the source is given – 'Photo: BITZER' – and a free copy of the publication is sent to us. Images may not be modified or altered, except to crop out the background surrounding the main subject.

Press information



Image 1: ICS installed two BITZER ACPs for the production of ice water at one of Denmark's largest food-processing companies

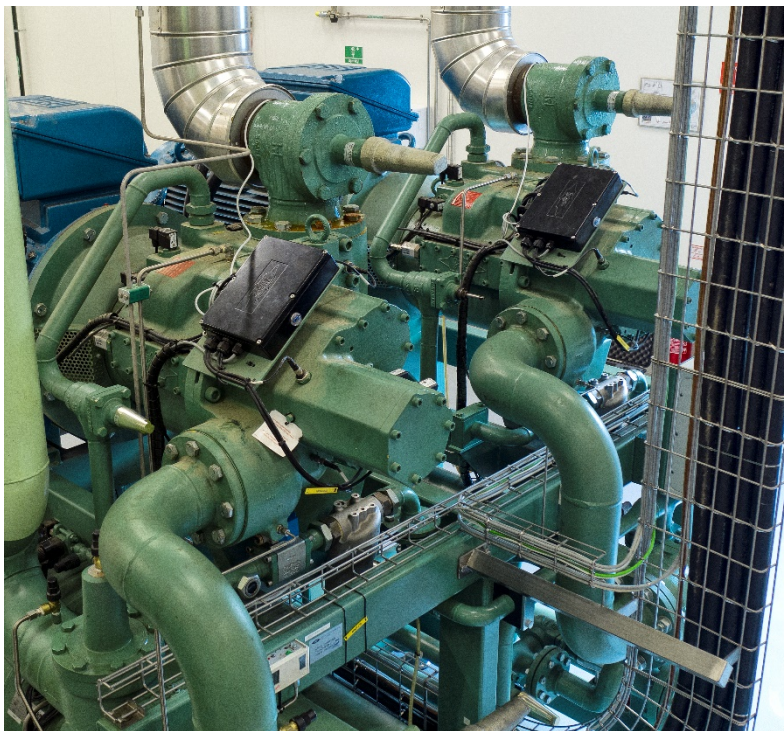


Image 2: Every ACP is monitored by three BITZER IQ modules