

## Press release

FÜRSTENFELDBRUCK, June 2017



### Güntner now runs its own measurement laboratory for CO<sub>2</sub> and NH<sub>3</sub>

Since spring, Güntner has had another measuring system at its location in Fürstfeldbruck. What makes it so special is that it does not only measure the volume of CO<sub>2</sub> and NH<sub>3</sub> – it will also be possible to perform capacity and air volume measurements. And, in addition to this, the system will soon allow to carry out sound measurements.



#### Capacity measurements for CO<sub>2</sub> and NH<sub>3</sub>

The chamber design is based closely on the requirements of EN 327/328 and provides us with reliable capacity measurements for a wide range of thermal boundary conditions. The design of the measuring system also allows to perform frosting and defrosting tests. All these measurements will be carried out mainly on CO<sub>2</sub> gas coolers and condensers as well as CO<sub>2</sub> and NH<sub>3</sub> evaporators.

#### Air volume measurements as of 2018

This year, capacity measurements will have priority at the new laboratory. At the beginning of next year (2018), the details on the design and dimensioning of the air-measuring section will be determined.

For air measurements, the test item is connected, via an opening of 2 x 2 m at the ceiling, to a duct system installed above the chamber. The maximum air volume can reach a maximum of 30,000 m<sup>3</sup>/h. From 2018 onwards, it will be possible to also measure the sound.

#### Measurements in preparation for Eurovent certification of CO<sub>2</sub> units

The measurements on the CO<sub>2</sub> units are carried out also in preparation for the extension of the Eurovent certification to these units. Independent laboratories capable of performing the appropriate measurements have been lacking to date. Such a laboratory is currently being established at TÜV Süd. CO<sub>2</sub> gas coolers and CO<sub>2</sub> direct evaporators as group of units are intended to be certified soon within the framework of the next Eurovent extension.



## About Güntner

Based in Fürstfeldbruck near Munich, Germany, Güntner GmbH & Co. KG is a world leader in the manufacture of refrigeration and air conditioning equipment components. With approx. 3,000 employees worldwide and production sites in Germany, Hungary, Romania, Indonesia, Mexico, Brazil and Russia, the company shows a strong presence for their partners in all markets. Decades of experience in the industry and the consistent integration of the latest technologies and research findings ensure the high quality standard of Güntner solutions. The international areas of application comprise energy & process cooling projects, industrial and commercial applications in the field of food production and storage as well as HVAC applications for buildings and specific applications such as server room cooling.

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