



Beverage

Norit Haffmans launched in-line dissolved oxygen measurement device

In the beer and beverage industries, the content of dissolved oxygen (O₂) is of great importance to both product quality and taste of the beverage. Oxygen is highly detrimental to beer and soft drinks, because it negatively affects the best use before dates and flavors. Moreover, the growing number of different flavors and the use of more and more sensitive ingredients make maintaining a low oxygen level more important than ever. Therefore, beer and beverage manufacturers continually seek to measure the O₂ concentrations during the production steps of their beverages in order to be able to prevent oxygen pick-ups.

For exactly this purpose, Norit Haffmans recently launched the In-line O₂ Gehaltemeter, type OGM. Compared to the traditional O₂ measurement, the OGM's optical measurement technology enables higher response times, the highest accuracy at even lowest oxygen levels and long-term stability. Most importantly, it doesn't require frequent calibration.

You can install the OGM at any critical location in the production line where the determination of the dissolved O₂ content is required. The sensor is hygienically designed and easily mounted using a Varivent connection. The control unit can be mounted independently of the sensor, even into an existing control cabinet, thus providing maximum flexibility.

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General/Technical Data:

In-line O₂ Gehaltemeter

- Measuring Range: 0.0 – 2,000 ppb
- Accuracy: ± 1 ppb + 2% of measured value
- Measuring units: ppb, µg/l, ppm, mg/l % a.s.
- Temperature: -5.0 – 40.0°C, acc. ± 0.1°C
- Memory capacity: up to 500 measurements
- Measuring time: 2-999 sec (adjustable)



Water

One-stop-filter-shopping: Norit Filtrix expands its H₂OK product line

This summer, Norit Filtrix launched its new generation of point-of-use filters. The market response, so far, has led us to an expansion of the product line. Norit Filtrix now offers a complete range of products with a solution for every imaginable water problem.

"Our innovative WaterPurifier, based on ultrafiltration membranes and granular activated carbon, really impresses our customers in the cooler and vending industries. The WaterPurifier provides them with a premium, safe and reliable water filter. None-the-less, this market is mainly dominated by activated carbon-only filters, which in some cases prove to be effective and economical. Another consideration, especially in the coffee machine industry, is the fact that water hardness can be a problem," explains Dennis Nahuijsen van Norit Filtrix.

To provide one-stop-shopping for manufacturers, Norit Filtrix expanded its product line to include cartridges with all possible combinations of membranes, activated carbon, and ion exchange resin for water softening. This product line appropriately carries the name Norit H₂OK, as it provides a solution for every water problem customers may have. A sanitization cartridge to keep the water dispensing system clean completes the product line.

Nahuijsen promises, "When using Norit Filtrix cartridges our customers can be sure, their water is truly H₂OK!"

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Beverage

Norit Process Technology's global participation in the expansion of beer brands The world revolves around beer

Breweries of the Future in Belgium and China, expansions in Poland and Denmark, and a new brewery in Tunisia. All complex contracts that pose a challenge to Norit Process Technology. At present, Norit Process Technology is working for various clients in the brewing industry, letting the breweries carry on with their work.

Dick Meijer of Norit Process Technology can talk about this for hours. He talks endlessly about the various 'beer contracts' that Norit Process Technology is currently working on or has recently been awarded. "Not only are these some fantastic orders, they come with some wonderful stories attached as well."

Belgium and China

For example, Norit Process Technology is involved in the realization of the "Brewery of the Future". Located in Belgium, this brewery is owned by the Martens Brewery Group, which sells its beers mainly through large European retailers. The remarkable thing is that they sell their beer in PET bottles, which is unique because most beers are still sold in glass bottles or cans. The PET bottles are so successful that Martens is being forced to expand their business.

"One of Martens' key requirements was that the brewery have state-of-the-art technology so that it can brew top-quality beers at a very low cost," states Meijer. In collaboration with Meura (a brewhouse supplier), the Sidel filling-line specialist, and Norit Process Technology, the new brewery began operating on May 1, 2007. "The brewery now has two large PET lines and can bottle 3 million hectoliters of beer," he says.



Dick Meijer, Commercial Director Beverage, Norit Process Technology



The goals Martens set at the start of the project were met within a few months. Figures in terms of beer loss and energy and water consumption, for instance, are extremely low. Beer production and maintenance time is also much lower than was the case up until now in breweries. "That's why all involved are convinced that this integral plan is a blueprint for the future of breweries," Meijer says. "An identical copy of this brewery is currently being built in Suzhou, China. Martens Brewery is closely involved in this project, which was commissioned by Far Eastern Textile. The new brewery will be one of the first to be able to cope with China's ever-growing demand for beer."

Additional information will be available in the near future in specialist journals, brochures and other media publications that will introduce the new concept and the substantial benefits of this integral design to breweries.

Moreover, a seminar is planned for the beginning of next year so that brewers from all over the world can get to know this "tour de force" personally. All of Norit Group's expertise and brewery equipment have been brought in to meet the requirements of this prestigious project.

Denmark

Norit Process Technology is not only active in Central Europe and China, but also in Northern and Eastern European countries such as Denmark and Poland. Carlsberg commissioned the company to expand its Fredericia brewery in Denmark and after that the Copenhagen brewery will be closing down. "I can well imagine that that's quite an emotional decision," states Meijer. "It's not just any brewery that is closing, it's the birthplace of Carlsberg."

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