



Grebbestad Brewery upgraded to ozone sanitation

**No chemicals and a safer
working environment**

MELLIFIQ

Grebbestad Brewery

Grebbestad is not just a favorite among domestic and international tourists, it's also Sweden's oldest microbrewery. The facility brews several popular beers such as India Pale Lager, Saison and the Swedish classic Christmas holiday drink julmust.

The brewery, located on the beautiful Swedish west coast, has been using traditional acid and hot water to sanitize the fermentation tanks, filling machine and other process equipment.

They have now upgraded their sanitation routines with an Ozonetech ozone system resulting in tangible operational benefits and a more gentle environmental footprint.

Facts

Name:	Grebbestad Brewery
Industry:	Breweries
Purpose:	Disinfection & sanitation
Performance:	15 min sanitation at 1 ppm ozone residual

Solution:

Ozonetech RENA Vivo

A-series Brewery solutions

Dimensions (HxWxD):	1,800 x 1,200 x 800 mm
Input power:	0.75 kW
Noise level:	49 db

The problem

Ever since the start in 1995, Grebbestad Brewery has been using large amounts of chemicals and hot water to sanitize all process equipment – a necessary procedure to maintain highest possible product quality and prevent product spoilage. It is one of the most water intensive

and costly operations during production along with chemical handling issues. The excellent sanitation potential of ozone presented an attractive solution for the facility.

The solution

Together with Mellifiq, the brewery installed an Ozonotech high-performance ozone system which improves effective sanitation and disinfection of frequent clean-in-place operations. Ozonotech's RENA Vivo system enables a turn-key sanitation solution in lieu of acid and hot water which has been used since the start.

An intuitive touch-screen, controlling the amount of ozone concentration during disinfection enables on-demand sanitation and leaves no chemical residues. No more handling and administration of hot water or hazardous chemicals.



The Ozonotech RENA Vivo A-series system is connected to tanks and other process equipment during CIP sanitation. The brewmaster Johan Hansson is observing the system during operation.



Ozonotech RENA Vivo is equipped with an easy-to-use control system including a touch screen panel.

Evaluation

The new Ozonotech RENA Vivo A-series high-performance ozone system has significantly reduced handling of and associated costs for disinfection chemicals. Water savings

have also been realized since chemical residues have been eliminated. Sanitation time has been reduced thanks to the high disinfection capacity of the system.

“We are very happy with the new sanitation technology Mellifiq has provided. We are integrating the ozone system into the brewery to cover both fermentation tanks and the filling machine.”

Johan Hansson, Brewmaster

About Mellifiq

Mellifiq is a multi-awarded environmental service company group, that has since the early nineties evolved into a world leading system and solution provider with multiple groundbreaking applications for industrial, municipal, and real estate clients. We supply cutting-edge technologies to manage the most sophisticated air, water, and energy challenges.

Mellifiq offers a complete range of air and water treatment technologies and solutions across multiple industries such as processing industry, energy sector, food and beverage, pharmaceutical, wastewater treatment and commercial real estate.

Mellifiq offers strong and renowned brands, such as Ozonotech, Nodora and Water Maid, and world-class engineering services combined an excellent track record of more than 40 years of innovation. We help our clients achieve the most efficient and sustainable solutions while creating the maximum value for their businesses.

With several business units across Europe, Mellifiq is headquartered in Stockholm where research and development, production, QA and certification all take place. Our unique technology and our extensive expertise have made us the Center of Excellence for the world's most complex projects, and a global player with installations on all six continents.

Everyday millions of people rely on our solutions for ventilation, disinfection, sanitation, and odor control. We are committed to raising the bar for the concept of clean and the industry standard for engineering, technical services and general contracting.

For additional information, visit our website at www.mellifiq.com

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