



Breweries

# Sanitation Solution for Breweries

Fast, green & cost-efficient sanitation  
for breweries

**ozonetech.**

a MELLIFIQ brand



## Breweries

Elektravägen 53  
SE-126 30 Hägersten, Sweden  
++ 46 10 252 30 00  
www.mellifiq.com

## Improve your CIP, ensure feed water quality

It's time to abandon old routines. When sustainability and green technologies are accepted as guiding principles in most industries, why not make the move? There is much to gain, not just money.

We offer a faster and more effective solution to sanitize water and process equipment for breweries of any size. Our RENA Water Solutions are turn-key ozone systems, easy to install and operate for the complete disinfection needs of your facility.

### No raw materials to buy or handle

Using our ozone systems in your cleaning and sanitation program eliminates handling of hazardous disinfection chemicals. Ozone is produced instantly on site and on demand.

We use natural ambient air to produce oxygen which is then used to produce ozone. This makes our methods environmentally friendly and significantly improves the health and safety aspects of your production. Each ozone sanitation cycle only consumes 0.3 kWh for a craft brewery and less than 1 kWh for a large facility.

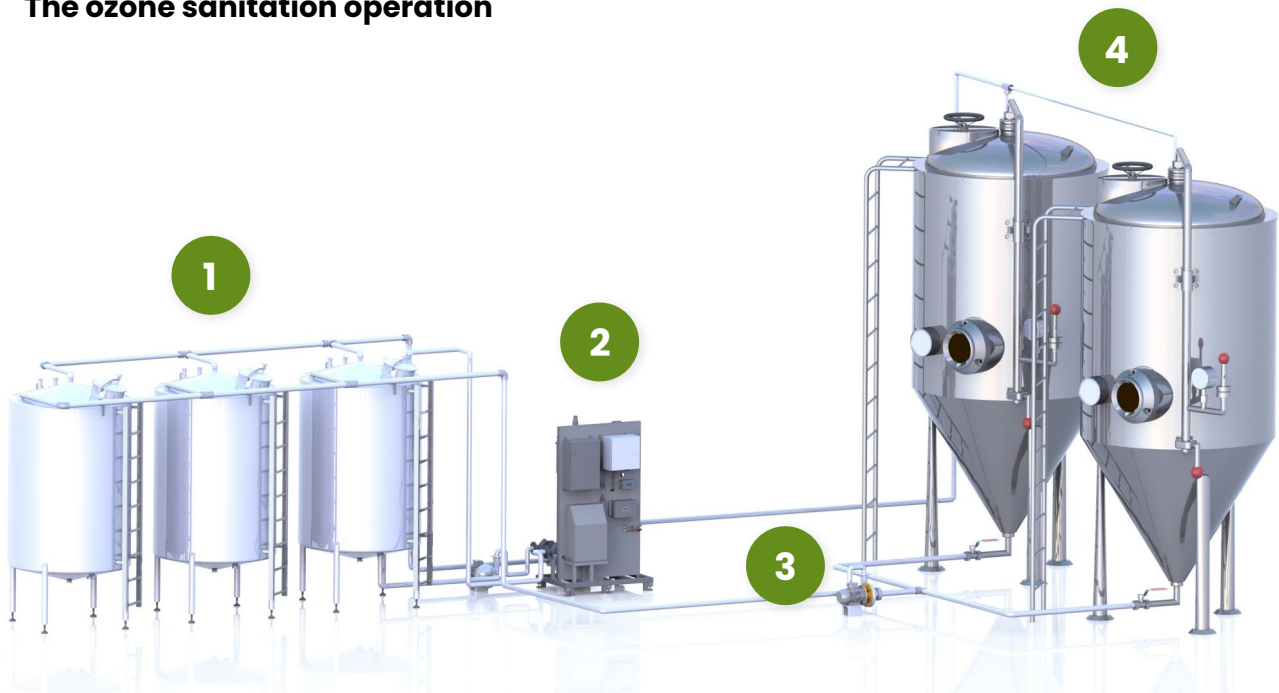
### Simple implementation

The systems are designed with integrated hydraulic connections. They can be installed both in existing piping and to water tanks. Ozone is efficiently dissolved into the water at maximum 1 ppm concentrations, still allowing for shorter sanitation cycles compared to disinfection chemicals such as peracetic acid, hypochlorite or hot water. All systems come with integrated controls and safety features for reliable and safe use. Installation is simple, for both existing and new breweries.

### BENEFITS

- Ensure 100% bacteria-free feed water without chemicals
- Maximum 1 ppm dissolved ozone concentration
- One-touch start-stop operation
- Avoid heat and chemical handling

## The ozone sanitation operation



### 1. CIP Station

The current CIP station rinse or chemical tank is used for circulation and buffering.

### 2. RENA Vivo

Ozonetech RENA Vivo ozone system is connected to CIP tank or circulation piping.

### 3. Circulation back

During sanitation, water is continuously circulated back to the ozone system, allowing for accurate ozone control.

### 4. Tanks to sanitize

Fermentation tanks, lager tanks and filling machines are effectively sanitized – no heat or chemicals needed.

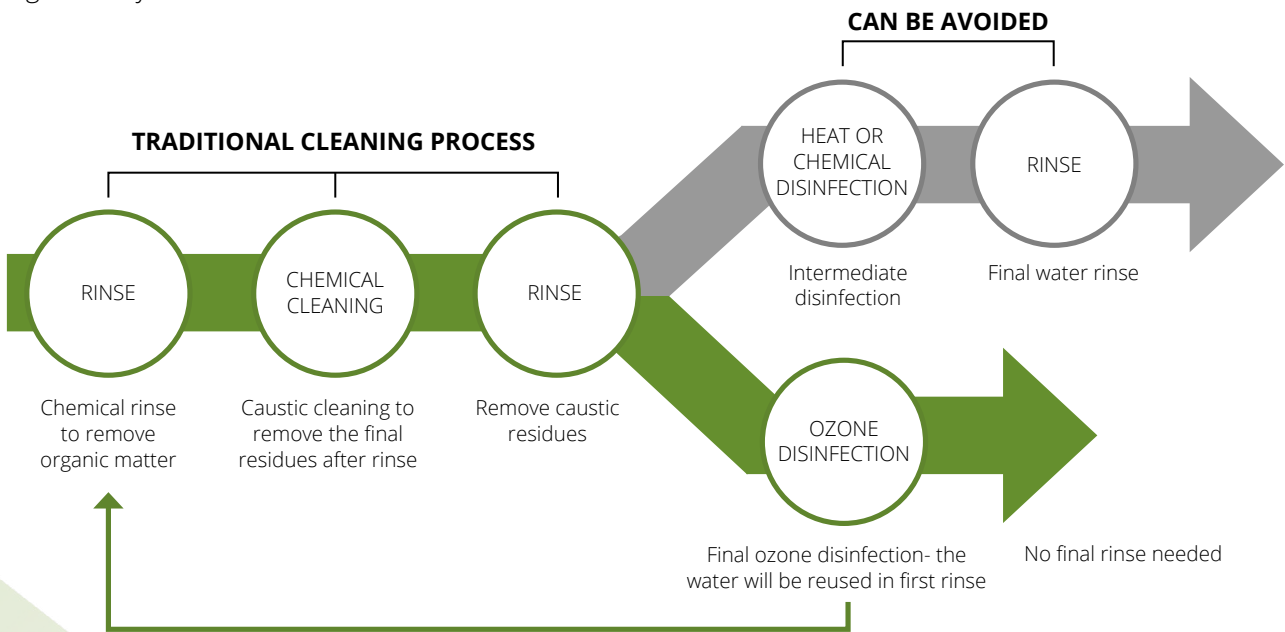


### No sanitation chemicals needed

Ozone does not leave any chemical residues. There is no need for water rinse after disinfection is complete. Cleaning and sanitation is a major water consumer, and any brewery can save up to 10% of the total water consumption. And equally important, all sanitation chemicals can be eliminated. Hot water can be replaced by cold ozone sanitation, reducing energy costs significantly.

### Disinfect within five minutes

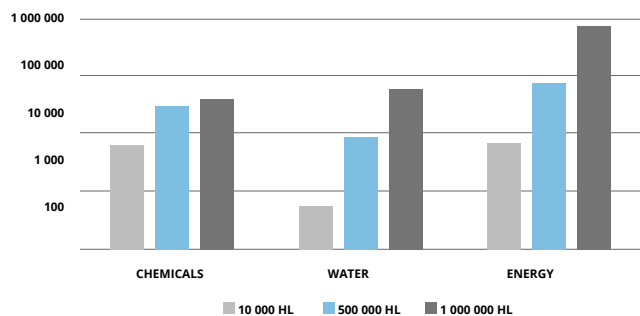
Ozone is the most effective disinfection agent commercially available. It's up to 3,000 times more effective than hypochlorite and peracetic acid. We exceed required microbial kill rates quicker and at only 1 ppm concentration compared to other disinfection chemicals. You will be ensured bacteria free process water and equipment in a matter of minutes. Just press the button.



### Save time, water and money

Swap to ozone. It will instantly reduce your water cost, energy cost, chemical cost, environmental impact and increase the production uptime.

Saving potential. The graph shows annual savings for chemicals, water and energy per brewery capacity (USD).



# 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 Water Maid, Saniray, Axolot 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](http://www.mellifiq.com)

