



Pump stations

# Pump Stations and Treatment Plants

Odor control for pump pits and pump stations

**ozonetech.**

a MELLIFIQ brand

## **Odorless pump stations and treatment plants**

Bacterial growth in wastewater can, under oxygen-free conditions, give rise to foul gases. A common example is when hydrogen sulphide is formed in pump stations and treatment plants. The odor can quickly spread in the surroundings and disturb the residents.

Hydrogen sulphide is an unpleasant and corrosive gas that damages material in the plant. The smell is strong and is often associated with rotten eggs. Gas formation is not only unpleasant when spread

in the environment. It is also a health hazard for those who work in pump houses and treatment plants.

Ozone is a powerful oxidant that has solved odor problems for many decades. Odors and microorganisms are eliminated quickly, efficiently, cheaply and with minimal environmental impact. The ozone is produced by the ambient air and leaves no chemical by-products. With ozone, the spread of odors is reduced while the hygiene of the premises is greatly improved.



*The groundwater that is collected to later be led to the stormwater drainage is often still and will eventually smell.*

## Pump stations & treatment plants

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### Fixing the problem

Instead of delaying the bacterial growth and camouflaging bad odor, the ozone attacks the source of the odor. Bacteria and microorganisms are effectively reduced, prevent the onset of foul-smelling substances.

### Ozone purification with ACT

The amount of ozone needed depends on the size of the pump pit and how big the odor problem is. In pumping pits, treatment can take place around the clock to keep the odor down. ACT-3000P is easy to use and the operating cost is minimal.

ACT-3000P is developed and manufactured in Sweden by Mellifiq. Our large custom-made system solutions for air and water purification are found worldwide in industries, wastewater treatment plants, yeast factories, pharmaceutical industries, breweries, greenhouses and shopping centers. We are fast growing and multiple award-winning.



### BENEFITS

#### Easy installation

The ozone generator is mounted on the wall using a specially designed stainless steel rack. The plant requires minimal maintenance and doesn't require training of staff.

#### Powerful and environmentally friendly

The ozone generator produces sufficient amounts of ozone and has very low energy requirements.

#### Low operating cost - immediate effect

Ozone is produced as soon as the mains voltage is connected. Hygiene will therefore begin to improve immediately. The operating cost is as low as approx 30-70 euros per year in energy consumption. The raw material is free, the ozone is produced using the surrounding air.

# 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)

