



COOLING TOWER WATER MANAGEMENT AND TREATMENT



Legionella-free cooling water

Nijhuis Ozone Solutions has developed a unique and innovative technology to eliminate legionella from open cooling water systems. With the special method of dissolving and injecting ozone into cooling water, complete disinfection is achieved. Due to the powerful oxidation of ozone all living organisms are instantly killed and oxidized. This process takes place without the addition of any chemicals. Legionella control with ozone technology is very effective and economical compared to the traditional technologies based on biocides and other chemicals.

Proven

Our ozone technology is proven, successful and available in a range of 500kW up to > 200 MW cooling capacity. Cooling water can be perfectly controlled by ozone technology, without the addition of chemicals, which results in an unprecedentedly low bacterial count. We developed a unique legionella

prevention plan including continuous monitoring of your cooling water system to advise and support your local team to minimise the risk of legionella and other bacteria in your cooling water. With our ozone technology you will comply with all EU-regulations for legionella prevention.

No waste water

Ozone treatment of your cooling water will extend the retention time of the water in your cooling circuit due to the fact that no chemicals are injected, there is no build-up of chlorides/metals, which will result in significant lower excess water volumes.

This excess water can be discharged either in the clean water sewage or the rain water drainage, which will result in a major saving on your wastewater treatment costs; a sustainable solution.



Water management

Water management of your complete cooling tower system by Nijhuis Ozone Solutions results in an effective usage of fresh-water intake with savings from 30 up to 50%.

Our customised water management programme and software can be realised with a small investment, your operational costs will be substantially lower resulting in a return on investment within a couple of months.

The advantage of our cooling water treatment and management are:

- Efficient and 100% safe
- Low costs of ownership
- No addition of chemicals
- Significant saving on water treatment costs
- Water Management programme to reduce water intake costs
- Remote control and support by our specialists
- Suitable for cooling water systems of 500 kW up to > 200 MW cooling capacity
- The total solution for nursing homes, hospitals, public buildings and industrial facilities

Excellent offers 100% security

Nijhuis Ozone Solutions is market leader in the Netherlands for innovative ozone and ionization technology. New applications and innovative processes are developed to apply this technology also for odour control, legionella control in cooling towers, process and drinking water systems.

Our ozone technology offers advantages in multiple ways compared to the traditional methods. Our solutions are safer, more cost effective and more efficient. Our technology and our unique remote control and water management programme are custom made. This complete package offers you a maximum performance against the lowest costs of ownership.

More information?

Please contact our sales department
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Or visit our website:
www.excellentozonesolutions.nl