Diversey
A SOLENIS COMPANY

Biosperse NT1901

Advanced Biocidal Control for Tunnel Pasteurizers, Warmers and Industrial Water Systems

A unique solution to persistent and costly Pasteurizer issues.

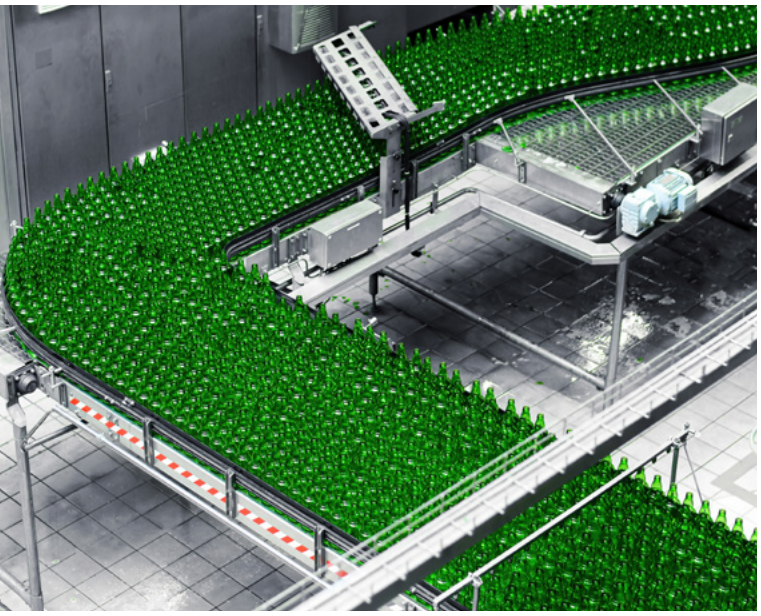
Challenge

Is biofouling reducing the efficiency of your tunnel pasteurizers and warmers—and driving up your costs?

Microbial growth, corrosion, and scaling in industrial water systems lead to increased chemical, water, and energy consumption, frequent boil-outs, and rising maintenance costs. These issues compromise hygiene, product quality, and operational efficiency.

Solution

Biosperse NT1901 is a patented water treatment biocide designed to combat slime, spores, molds, algae, and bacteria—including sulphate reducers. It penetrates biofilms rapidly, reduces corrosion, and maintains system hygiene under challenging conditions. Its stabilised chlorine formulation offers targeted microbial control with low volatility and high compatibility across materials.



Value

With Biosperse NT1901, you can:

Sustainable Use of Resources

- Reduce **water, energy, and chemical consumption**
- Improve **thermal efficiency** and lower environmental impact
- Minimise **occupational and regulatory risks** with safer chemistry
- Lower **total cost of ownership (TCO)** through continuous control

Operational Efficiency

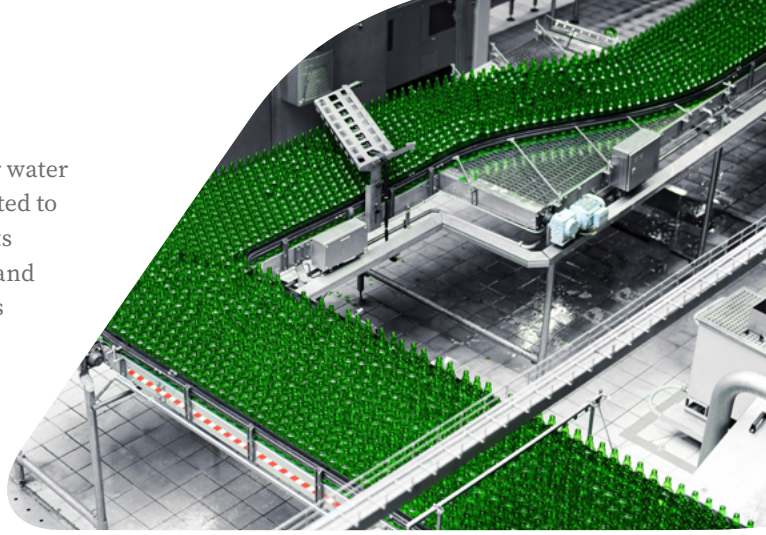
- Prevent biofouling, corrosion, and scaling
- Maintain consistent performance in **variable pH (6–12)** conditions
- Reduce downtime and labour costs from boil-outs and cleaning
- Extend equipment life and protect packaging quality

Food Safety and Expertise

- Rapid biofilm penetration—170x faster than bleach
- Selective microbial oxidation for enhanced hygiene
- Compatible with **metals, elastomers, and plastics**
- Backed by Diversey's technical expertise and support

Process

Biosperse NT1901 is integrated into tunnel pasteurizer and warmer water systems with support from Diversey experts. The system is calibrated to maintain optimal dosing across variable pH and flow conditions. Its stabilised chlorine formulation ensures rapid biofilm penetration and long-lasting microbial control. Compatible with standard materials and chemicals, it reduces corrosion, energy use, and downtime. Continuous monitoring enables safer, more sustainable operations while improving hygiene, efficiency, and total cost of ownership.



Case study

Location:
Brewery, Germany

Challenge:
Microbiological soiling of the pasteurizer. Unpleasant odors during pasteurizer start-up.

Solution:
Implementation of Biosperse NT1901 over a trial period monitoring the reduction & removal of biofilm in pasteurizer & sieves.

Significant biofilm removal from pasteurizer and sieves	Elimination of associated smell of pasteurizer after production stops	Zero complaints from operators	Zero quality impact	**>20%** Reduction of chemical consumption

Contact Diversey Today
Discover how Biosperse NT1901 can transform your pasteurizer performance and water system hygiene.

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