

BIOCIDE DOSING FOR COOLING WATER



EFFICIENT BIOCIDES DOSING FOR THE COOLING CIRCUIT

Stopp legionella - increasing efficiency

The precise dosing of biocides reliably prevents the growth of microorganisms in cooling circuits, long-term operational safety and efficiency in breweries.

Challenges in monitoring cooling circuits

- Open cooling systems are used in many breweries, but offer ideal conditions for the growth of legionella bacteria, which are released into the environment via aerosols and pose a significant health risk.
- Since the introduction of the 42nd BImSchV (2017), operators have been obliged to regularly monitor their systems microbiologically.
- In many cases, biocide dosing is still carried out manually, which is time-consuming and harbours sources of error.
- Irregular dosing leads to fluctuations that can impair effectiveness and jeopardise safety.

The solution from sera

- **Automated biocide dosing:** Our systems integrate into existing cooling water systems and ensure precise, needs-based dosing of liquid biocides.
- **Independent control:** The integrated pump control enables operation without connection to a central process control system.
- **Reliable protection:** Regular dosing minimizes the risk of legionella being found.

Flexible performance classes

The solenoid diaphragm pumps are available in different versions:

- Delivery rate: 1.2 l/h to 35 l/hMax.
- Max. Operating pressure: 10 bar

With the automated biocide dosing systems from **sera**, you can efficiently meet the legal requirements and protect your employees and your environment from potential hazards.



Your contact persons



Frederik Amrhein

Teamlead – Food & Beverage
+49 5673 999-1870
f.amrhein@sera-web.com



Marco Stübener

Sales Account Manager
+49 5673 999-1845
m.stuebener@sera-web.com