sera

BIOCIDE DOSAGE

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STABLE WATER QUALITY INSTEAD OF CORROSION, BIOFILMS, AND LOSS OF EFFICIENCY

Reliable protection against microbiological growth through precise biocide dosing

Microbiological growth in water causes corrosion, deposits, and efficiency losses in power plants and waste incineration plants - especially in the boiler feed water circuit. In power plants, the cooling circuit is also affected, where biofilms impair heat transfer and stable operation.
Therefore, targeted biocide dosing is a central component of water treatment: it stabilizes water quality and ensures economical operation - in the boiler circuit of power plants and waste incineration plants as well as in the cooling water circuit of power plants.

Challenges posed by microbiological contamination

- Corrosion and material damage caused by microbiological growth.
- Biofilms and deposits reduce heat transfer and efficiency.
- Unstable water quality increases maintenance costs and susceptibility to faults.
- Contamination in the boiler circuit threatens availability and operational safety.
- Contaminated cooling circuits in power plants cause efficiency losses.

The solution from sera

- **Targeted dosing:** Biocide dosing tailored to requirements in boiler feed water for power plants and waste incineration plants, as well as in the cooling circuits of power plants.
- **High dosing accuracy:** Precise measurement and reproducible control.
- **Modular system:** Flexible system concepts for different plants and containers.
- **Safe media supply**: For canisters, drums, or IBCs, optionally with a drip tray.
- **Self-sufficient operation:** Independent control without mandatory control technology connection.

The biocide dosing systems from **sera** ensure stable water quality and safe, efficient, and economical operation - in the boiler circuits of power plants and waste incineration plants, as well as in the cooling water circuits of power plants.

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