

reference

chlorine dioxide control in a bottle washing bay, Bad Köstritz

problem

Before the bottles are filled, they are automatically cleaned and disinfected with Chlorine dioxide. Dosing of Chlorine dioxide is controlled via concentration measurement, making sure that the Chlorine dioxide concentration never drops below 0.25mg/l and does not exceed an upper limit of 0.6mg/l.

challenge

The cleaning solution contains surfactants, so the measuring equipment and especially the sensor must be unaffected by the surfactants.



our solution

The Chlorine dioxide concentration is measured with a Kuntze measuring system Krypton K ClO₂. This combines a pressure-proof amperometric measurement with an automated electrochemical cleaning process. The open metal electrodes are in direct contact with the solution and are being cleaned automatically once per day to maintain the original signal strength and reduce the recalibration requirements.

customer's feedback

„The measuring system Krypton K ClO₂ and the automatic cleaning have been running fine from day one. The system responds quickly to all changes of the Chlorine dioxide concentration. The automatic cleaning has drastically reduced maintenance costs. The company Dr. A. Kuntze has proved a competent partner throughout. We are very pleased with both the measuring system and the company.

*Rainer Friedenberger,
manager electrical
engineering*

