

Reference

Control of an emergency chlorination water utility Kempen, Germany

The company

As fullrange supplier of electricity, gas, district heating, and water, the municipal utilities in Kempen offer all the advantages of a local distributor. They supply the people in the city zone of Kempen with drinking water.



The problem

Usually Kempen's water is germ-free from well to tap and does not need a chemical disinfection. But during situations of increased risk of microbiological contamination such as maintenance or repair of pipes or tanks, emergency chlorination is used. A measuring set-up to control the disinfectant dosing is always kept running in good working order so as to be ready when needed.

The challenge

Most of the time, non-chlorinated water flows through the assembly. With common measurement techniques, this usually leads to organic growth. As a result, malfunction of the measurement is possible, the sensor resp. its membrane gets clogged and has to be exchanged. A preventive measure is regular examination and mechanical cleaning. Some operators even dose small amounts of Chlorine from time to time for the sake of the measuring equipment without any necessity as regards the drinking water quality.



Our Solution

The Chlorine measurement in Kempen is now carried out by the measuring system Krypton K Multi from Dr. A. Kuntze. This is a pressure-proofed amperometric measurement with automatic sensor cleaning. The blank electrodes are in direct contact with the measuring media and react directly to every concentration change. The electrode are automatically self-cleaned once per day. Thus the original signal strength is maintained and the maintenance requirements reduced – even in prolonged chlorine-free operation.

Customers Feedback

The measuring system is delivered fully wired and easy to install. The measurement worked immediately. The maintenance effort is really low due to the automatic cleaning. I am delighted with the measuring system as well as with the service of the company Dr.A.Kuntze.

Klaus Steves, water professional

