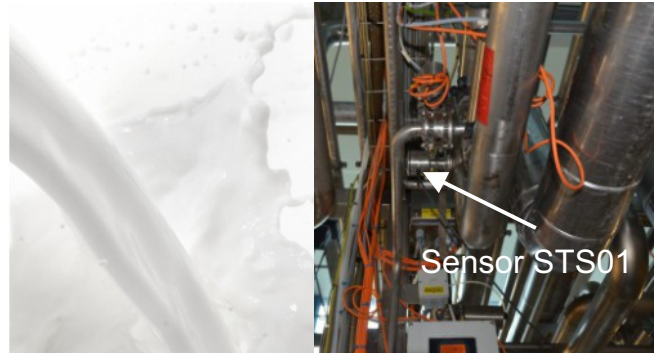


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Analytical measurement technology for the dairy industry

Water/wastewater management



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Do you have a vision that that should become more? We look forward to the challenge!

Hygienic

Analytical Measurement

Our analytical measuring technology for aseptic applications has an extreme accuracy and meets the especially in the food industry industry in particular demands on hygienic production processes. It usually has aseptic measuring points and is typically programmable on the device or programmable on the PC.

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11/2023

Application and process description

Wastewater control using turbidity measurement technology in a dairy is a method for monitoring and controlling solids and turbidity in the wastewater that is generated during the various production processes in a dairy. Turbidity measurement technology makes it possible to precisely measure the turbidity of the medium and thus draw conclusions about the quality of the product and the wastewater. The automatic cleaning of the sensors during the process saves maintenance costs.

Wastewater production is a cost factor for milk processing companies that should not be underestimated.

The seli turbidity measuring devices of the STS series are not only used at the end of the wastewater pipe, but are also mounted shortly before the changeover valve, and can therefore react early when it comes to residual milk and milk-water mixtures. Depending on the product content, the mixture can be recycled via a separator. This means that it is already recognized during the rinsing milk phase whether it is product or not, providing additional security at the end of the wastewater pipe.

Product inflows are recognized immediately, and the switching point is independent of quantity and time.

Advantages of STS devices in dairies

1. Process monitoring: The seli STS devices can

be used throughout the entire production process to ensure that no unwanted solids or turbidity enter the wastewater.

2. Compliance with environmental regulations

Dairies are often subject to strict environmental regulations regarding the quality of the wastewater discharged. The seli STS turbidity measuring devices help ensure that wastewater standards are met.

3. Early detection of problems

Through the continuous monitoring of the turbidity in the wastewater and the rapid response of the turbidity measuring devices, possible problems in the production process can be identified at an early stage.

4. Cost-resource efficiency

Through precise monitoring and control of wastewater treatment and the avoidance of unnecessary product losses during the rinsing phase, considerable resources and costs are saved.

Areas of application of the STS series

- » color-independent concentration measurement
- » control of separators
- » safe phase separations
- » Monitoring product changes and cleaning phases
- » Monitoring of contamination in the production process

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