

VOM turbidity monitoring in aseptic processes

Application

Detecting transitions between dairy product and water helps reduce avoidable product losses during changeovers. The application described operates above 280 °F. Select a sensor rated for the required process temperature.

Measurement and control

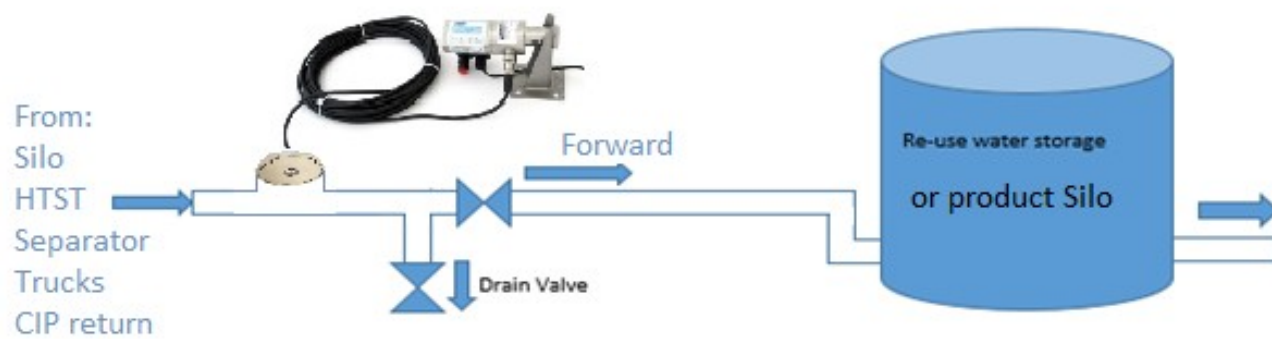
A high-temperature VOM monitors the product interface. The application specifies a range of 0-25000 NTU. When the signal reaches the configured threshold, the controls divert the flow to a drain or another tank. A continuous 4-20 mA signal follows the measured turbidity. Remote display and temperature output options support integration with the plant control system.



High-temperature VOM

Features and application details

- Process temperature 300 °F continuous suitable for SIP
- Measurement history
- 4 recipes available with up to 16 calibration points each
- Infrared LED 880nm high quality
- Remote display
- Temperature output available



Flow diversion arrangement



Product and water transition response