

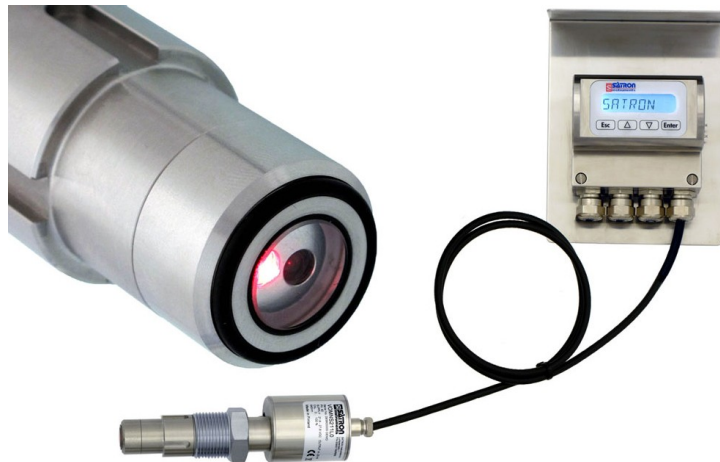
HTST water flush detection with VOM

Application

Install the sensor in the HTST process before the storage tank. During water flushing, the VOM monitors the transition between dairy product and water. The measured interface lets the control system determine when to stop recovery or divert the flow.

Measurement and control

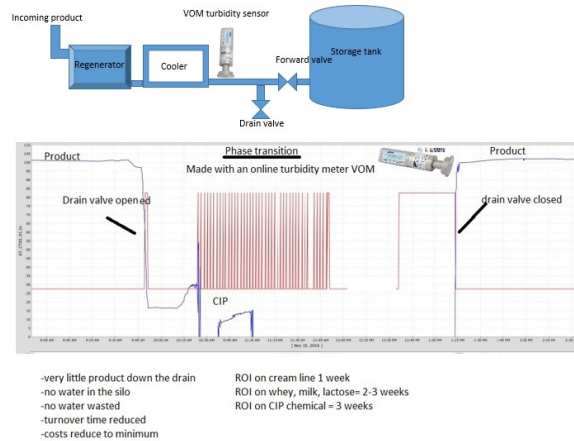
The VOM uses 24 V DC power and continuously sends a 4-20 mA signal to the PLC. When the water interface is detected, the PLC can stop the water pump, open a drain valve or divert the flow to another tank, according to the process sequence. Tri-clamp connections and hygienic certified options are available. A 300 °F high-temperature option is specified.



VOM with remote electronics

Features and application details

- Relying on turbidity measurement over timers
- Configurable calibration ranges
- Measurement history
- 4 recipes available with up to 16 calibration points each
- Integrated USB port
- Long-life LED with automatic compensation
- Process fitting options available



HTST arrangement and transition trend