

Product Information FTS-Series

FOOD

Calorimetric Flow Switch

FTS-141, FTS-741



Range of applications

- Monitoring of flowing liquids in pipes
- The monitor can be used to measure liquids that are aqueous (water content $\geq 50\%$), that do not contain oil and that have a medium temperature up to $100\text{ }^{\circ}\text{C}$ ($212\text{ }^{\circ}\text{F}$)

Application examples

- Flow monitoring in pipes from DN 25, e.g., as dry-run protection or for monitoring filters, agitators or cooling loops
- Also suitable for highly pure, aqueous media without particles or solids (e.g. ultra-filtered media, cola)

Hygienic design/Process connection

- Hygienic process connection with CLEANadapt
- Conforming to 3-A Sanitary Standard for versions with DIRECTadapt
- All wetted materials are FDA-conform
- Sensor completely made of stainless steel
- Complete overview of process connections: see order code
- The Anderson-Negele CLEANadapt system offers a flow-optimized, hygienic and easily sterilizable installation solution for sensors.

Features

- CIP-/SIP-cleaning up to $140\text{ }^{\circ}\text{C}$ ($284\text{ }^{\circ}\text{F}$) for 60 minutes max.
- Calorimetric measurement principle with pulsed heating
- Flow-optimized geometry of sensor tip
- Insensitive to temperature shocks, short response time
- Integrated sensor protection through automated switch-off at over-temperature $T > 100\text{ }^{\circ}\text{C}$ ($212\text{ }^{\circ}\text{F}$)
- Display of flow rate in % of measurement range and signaling of switch output
- Adjustable switch output in % of flow rate
- Behavior of PNP switch output can be changed
- Adjustment of switch output behavior when switching off due to over-temperature $T > 100\text{ }^{\circ}\text{C}$ ($212\text{ }^{\circ}\text{F}$)

Options/Accessories

- Preassembled cable for M12 plug

Authorisations



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