

**SIEMENS**

Process Instrumentation

Dairy Pasteurization/UHT Unit

Best-in-class products for hygienic applications

Whether it's milk, cream, butter, soured milk and yogurt, cheese or concentrates and powders, you have to coordinate a large number of process steps on route to the end product. These include pasteurization, and heating and cooling.

To ensure the correct standard or ultra-high temperature pasteurization you have to meet numerous requirements, including hygienic certificates and process connections. Controlling the heat exchanger requires accurate and reliable process instrumentation to ensure the required heating time at the right temperature preserving the product and destroying all micro-organisms.

Through all of these stages, the Siemens Process Instrumentation portfolio provides you with productive and hygienic pasteurization of your product.



[siemens.com/processinstrumentation/oem](https://www.siemens.com/processinstrumentation/oem)



| SITRANS P300 - Digital pressure transmitter | |
|---|---|
| Range | Gauge pressure: 0 to 1 bar ... 0 to 400 bar Absolute pressure: 0 to 250 mbar a ... 0 to 30 bar a |
| Wetted parts material | Stainless steel 316L (1.4404), Hastelloy C-276 |
| Process temperature | -40 to 200 °C (-40 to 392 °F) |

Benefits:

- Corrosion-resistant stainless steel 316L (1.4404) housing
- Front flush membrane for hygienic safety with a wide variety of hygienic process connections and remote seals available
- Available with hygienic approvals like: 3A, EHEDG, compliant to FDA



| SITRANS F M MAG 1100 F with MAG5000 - Electromagnetic flowmeter with transmitter | |
|--|--|
| Diameter | DN10 to DN100 (3/8" to 4") |
| Wetted parts material | Lining: Ceramic, PFA Electrodes: Platinum, Hastelloy Gasket: EPDM, FKM/FPM |
| Process temperature | Ceramic: -20 to 150 °C (-4 to 302 °F) PFA: -30 to 130 °C (-22 to 266 °F) |

Benefits:

- Corrosion-resistant stainless steel 316L (1.4404) sensor housing
- Hygienic process connections with all hygienic approvals like: 3A, EHEDG, compliant to FDA
- Compact or remote mounting possible, easy "plug & play", field changeable



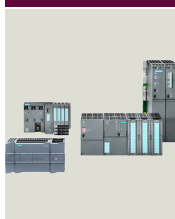
| SITRANS TS300 with TH100 - Temperature sensor and transmitter | |
|---|--------------------------------|
| Wetted parts material | Stainless steel 316L (1.4404) |
| Sensor accuracy | Class A according to IEC 60751 |
| Process temperature | -20 to 400 °C (-4 to 752 °F) |

Benefits:

- Hygienic design, constructive design according to EHEDG recommendations
- Process connections for food/pharmaceutical/biotechnology
- Measuring insert interchangeable

Siemens plant-wide future-proof automation, based on drives technology and industrial software and services, will enable your machine or plant to exploit all possible potential for optimization.
Besides instrumentation we offer further suitable products to complete your application needs.

SIMATIC Controllers



PLC or PC based control solution for stand-alone to highly complex applications

SIMATIC HMI



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