



SIEMENS



Process Instrumentation

Cleaning-In-Place (CIP) Unit

Clean measurement for hygienic processes

Clean-In-Place (CIP) units are used to clean all parts of your processing line and are themselves optimally cleanable. They can be fixed, mounted or mobile systems and are also designed with to meet the high hygiene requirements.

It doesn't matter which system you are producing, it requires precise and accurate level measurement to monitor the tank level and avoid overfilling. Furthermore you have to measure flow, pressure, and temperature of the medium used for the cleaning cycle.

With our ease of use and maintenance friendly Process Instrumentation, Siemens provides a fast, flexible and operationally reliable production.



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SITRANS F M MAG 5100 W with MAG 5000 – Electromagnetic flowmeter with transmitter

Diameter	DN15 to DN2000 (1/2" to 78")
Wetted parts material	Liner: NBR-Hart Rubber, EPDM, Ebonite Electrode: Hastelloy C-276
Process temperature	-10 to 70 °C (14 to 158 °F)

Benefits:

- Corrosion resistance plastic sensor housing
- Liner and electrodes suitable for all water applications
- Compact or remote mounting possible, easy "plug and play", field changeable



SITRANS P Compact – Compact pressure transmitter

Measuring range	Gauge pressure: 0 to 160 mbar ... 0 to 40 bar Gauge pressure: -160 to 0 mbar ... -1 to 15 bar Absolute pressure: 0 to 1 bar a ... 0 to 10 bar
Wetted parts material	Stainless steel 316L (1.4404)
Process temperature	-10 to 200 °C (14 to 392 °F)

Benefits:

- Basic option for mid-range accuracy demand
- Front flush membrane for hygienic safety with a wide variety of hygienic process connections and remote seals available
- Hygiene-based design according to EHEDG, FDA and GMD recommendations



SITRANS TS300 with TH100 – Temperature sensor and transmitter

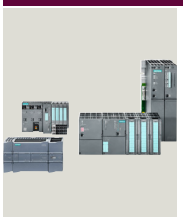
Wetted parts material	Stainless steel 316L (1.4404)
Sensor accuracy	Class A according to IEC 60751
Process temperature	-20 to 400 °C (-4 to 752 °F)

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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