



SIEMENS

Process Instrumentation

# Filling and packaging of liquids

Excellent products for filling and packaging of liquids

In the food and beverage industry various types of packaging machines can be found for different types of 'packaging', ranging from bottles and cans, from trays up to cartons and bags. The handled material itself can be of liquid type i. e. juice, water, beer, wine, etc.

Siemens' Process Instrumentation devices ensure a correct liquid flow for reliable filling in the right pressure. Our level switches guarantee the pre-defined filling height of liquids.

Besides, our equipment fulfils the necessary requirements alongside with international certifications. Throughout all of these responsibilities, we support you with our solutions to achieve your goals safely.



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SITRANS F M MAG 1100 F with MAG5000/6000 – Electromagnetic flowmeter	
Diameter	DN10 to DN100 (3/8" to 4")
Wetted parts material	Lining: Ceramic, PFA Electrodes: Platinum, Hastelloy Gasket: EPDM, NBR, FKM/FPM
Medium 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 and play", field changeable

SITRANS P300 – Digital pressure transmitter	
Measuring 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	Without remote seal: -40 to 200 °C (-40 to 392 °F) With remote seal: -90 to 400 °C (-130 to 752 °F)

#### Benefits:

- Easy to clean
- 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

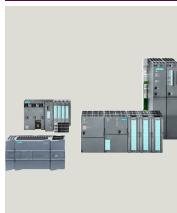
SITRANS LVL100 – Compact vibration level switch	
Insertion length	40 mm (1.57 inch)
Wetted parts material	Process connection: 316L (1.4404 or 1.4435) Seal: Klingersil C-4400
Temperature	Ambient temperature: -40 to 70 °C (-40 to 158 °F) Process temperature: -40 to 150 °C (-40 to 302 °F)

#### Benefits:

- Compact insertion length for confined space applications
- Fault monitoring for corrosion, loss of vibration, or line break to the piezo drive
- Integrated test function to confirm correct operation

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



Optimized operator control and monitoring systems using open and standardized interfaces

#### Industrial Identification



RFID and code-reading identification systems for more economical production and logistic processes

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