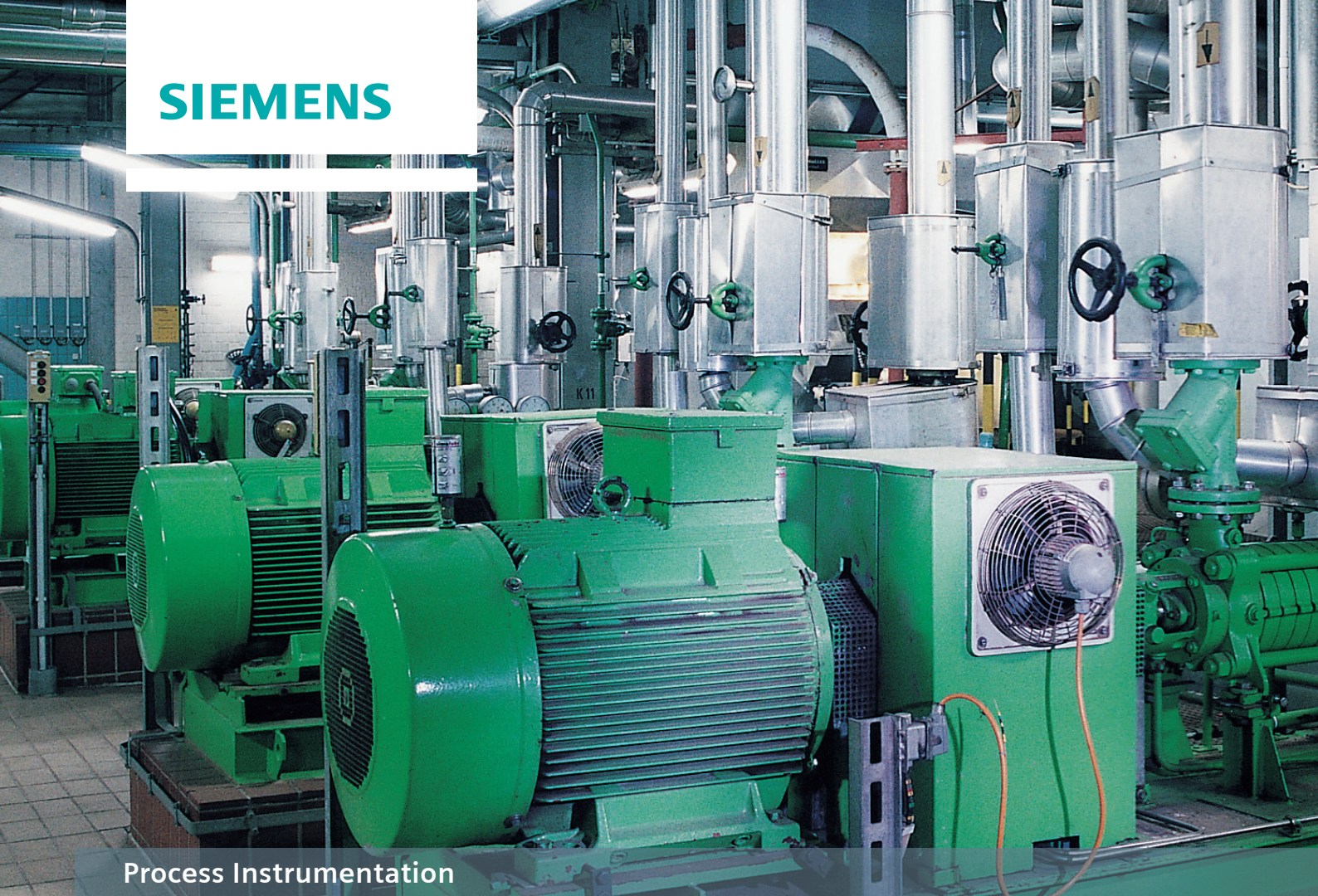


The Siemens logo is displayed in a white rectangular box in the top left corner of the page. It consists of the word "SIEMENS" in a bold, teal-colored, sans-serif font.

SIEMENS

A large industrial facility, likely a water distribution pump station, featuring several large green electric motors and complex piping systems. The scene is brightly lit with overhead industrial lights.

Process Instrumentation

Water distribution pump station

Reducing water losses and energy consumption

A water distribution pump station is designed for flow and pressure management for a part of the entire water distribution system.

For pressure management from the main pumping station all the way to the tap, the water distribution pump station ensures minimized water losses, reduced energy consumption and minimized operational costs for leaks and pipe maintenance.

Pumps and controls for the entire water distribution system are located in main and local pumping stations. Pump optimization and pressure control solutions increase pump and system efficiency, ensure correct water pressure at the consumer and high reliability and intelligent surveillance of the water distribution system.

Process Instrumentation products do ensure safe and correct distribution by our devices which can also operate under severe process conditions like pressure peaks, vibration etc. Beside this our equipment fulfils the necessary requirements alongside with international certifications.



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

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:

- Hygiene-based design according to EHEDG, FDA and GMD recommendations
- Easy to clean
- Front flush membrane for hygienic safety with a wide variety of hygienic process connections and remote seals available

SITRANS F M MAG 1100 F with MAG5000/MAG6000 – Electromagnetic flow sensor with transmitter	
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


SIPART PS2 – Electropneumatic positioner	
Stroke/rotary range	3 to 200 mm (larger strokes available on request) 30° to 100°
Housing material	Makrolon®, aluminum, stainless steel
Ambient temperature	-40 to 80 °C (-22 to 176 °F)


Benefits:

- Extensive diagnostic functions as standard
- Negligible air consumption in stationary operation
- High-grade control quality

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 HMI	
	Optimized operator control and monitoring systems using open and standardized interfaces

Wireless Network Components	
	Highly flexible and efficient automation solutions for various wireless networks

Low-Voltage Motors	
	SIMOTICS and LOHER motors are the right fit for every drive concept

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