



Baumer

Passion for Sensors

Flow and temperature sensor *FlexFlow* PF20S

Anything flows.



Product overview *FlexFlow* PF20S

Product highlights	Applications	Process connections	Measuring range	Operating conditions
Compact flow sensor Two analog outputs Two switching outputs Configurable outputs No moving parts	Tool cooling Bottle cleaning Component cleaning Dry running protection	Cutting ring fitting (6 mm) Clamping ring fitting (6 mm) Conical nipple M18x1.5 G1/2A hygienic	10 ... 400 cm/s -25 ... +125 °C	-25 ... +150 °C 100 bar max.

Housing	Conformity / Approvals	Electrical connections and output signals	Interfaces	Appropriate media
Stainless steel 1.4404 IP 67 IP 69K	cULus	M12, 4-pin, stainless steel PNP NPN Digital (push-pull) 4 ... 20 mA 0 ... 10 V	IO-Link 1.1	Water Water-glycol mixture (max. 30% glycol)

FlexFlow PF20S.

The sensor operates on the calorimetric measuring principle and besides flow measurements, it will also detect the media temperature.



Your benefits

■ Easy setup and efficient fluid management

The robust stainless steel housing of the *FlexFlow* sensors integrates the entire electronics which eliminates wiring effort and the need for cabinet installation.

■ Less measuring spots, less effort

Flow and temperature measurement in a single sensor cuts down on the number of measuring spots and minimizes the effort for installation, service and warehousing.

■ Increased process safety

The symmetrical and centered sensor design allows for optimal

installation in the process in any position for best alignment. This ensures precise measurements and process safety.

■ Process stability thanks to linear analog output

Unlike two-point control, the linear analog output ensures optimised process control which will minimize wear on valves and increase process stability.

■ IO-Link for centralized configuration

The IO-Link allows for configuration of several sensors in parallel. This will ease switching point adjustments in the process step and save time.

FlexFlow PF20S is compliant to all relevant industrial requirements.



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