



Process sensors

Accurate detection of high-pressure cleaning



Flow sensors / flow meters



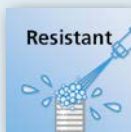
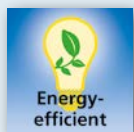
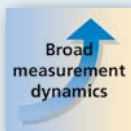
Robust housing for high-pressure applications up to 200 bar

Resistant to cleaning agents thanks to stainless steel components

Flexible: IO-Link, analogue, switching and frequency output

Integrated temperature sensor saves hardware costs

IO-Link enables documentation of cleaning operations




Fast and pressure-resistant

When documenting cleaning processes and high-pressure applications, the mechatronic measuring principle with its fast response time is the first choice. The integrated temperature sensor and the versatile diagnostic functions via IO-Link save both additional hardware costs and maintenance costs. Moreover, the use of a stainless steel housing makes the sensor resistant to standard cleaning agents.

Documentation of cleaning processes

All measured values can be transmitted to the controller in digital form, without any conversion losses, via IO-Link. Flow and temperature values can thus be easily documented for each cleaning process.



Type	Measuring range	Medium	Order no.
	1...50 l/min	Liquid media, water	SBZ224

Further advantages and customer benefits

Fast response time

The mechatronic measuring principle is characterised by an extremely fast response time allowing for even short spray bursts during the high-pressure cleaning process to be precisely recorded in terms of quantity.

No inlet and outlet pipe lengths required

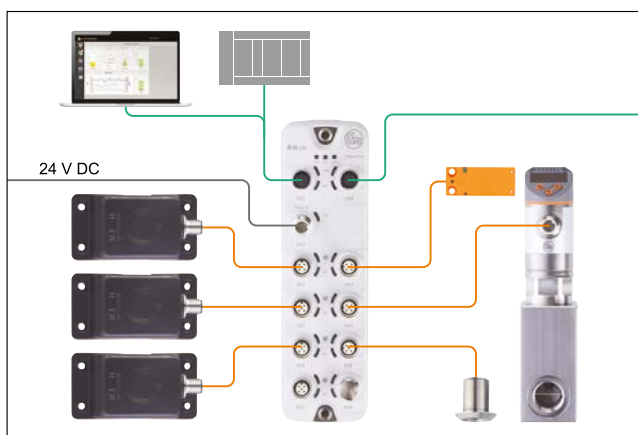
Turbulence and air bubbles do not impact the measurement. This allows for the sensor to be installed anywhere in the pipework.

Application example

With IO-Link, monitoring of a high-pressure cleaning system, including documentation of the cleaning processes, can be implemented easily and quickly with little hardware costs, for example for use in modern slaughterhouses. ifm offers all the required hardware and software components in order to also provide supermarket chains, among others, with the requested transparency.

Further technical data		
Pressure rating	[bar]	200
Response time	[s]	0.01
Materials (wetted parts)		Stainless steel (316 S 13 / 1.4401); Stainless steel (316L / 1.4404); O-ring: FKM
Operating voltage	[V DC]	18...30
Accuracy flow measurement		± (4 % MV + 1 % VMR)
Repeatability flow measurement		± 1 % VMR
Temperature measuring range	[°C]	-10...100
Accuracy temperature measurement [K]		3
Protection rating		IP 65, IP 67
Output signal		Switching signal; analogue signal; frequency signal; IO-Link

MV = value of the measuring range,
VMR = final value of the measuring range



We reserve the right to make technical alterations without prior notice. · 11.2021