



Process sensors



Conductivity sensor for clamp and hygienic pipe fittings



Analytical sensors



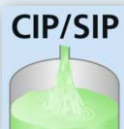
Solid tip prevents breakage

Reduce inaccuracies associated with a time-based cleaning process

Flexible process adjustments increase system efficiency

Easily adapted to new recipes and media

Loss-free digital transmission of measured values



Applications

The sensors are used in cleaning processes (CIP) in the food industry. They detect the concentration of cleaning agents, check the rinsing water for residues and are used for product validation.

Potential

Precise, fast and reliable measurements during the process help to improve plant availability and optimise cleaning cycles. A reduced amount of cleaning agents, lower energy consumption during rinsing and lower water consumption result in considerable cost savings. In addition, the machine uptime is increased.

Stability

The solid tip design guarantees stability even if the sensor is exposed to increased stress.



Accessories

Type	Description	Order no.
Welding adapter		
	D60 – G 1 external thread Aseptoflex Vario with leakage port	E30149
	D60 – G 1 external thread Aseptoflex Vario	E30150
	D50 – G 1 external thread Aseptoflex Vario	E30122
	D50 – G 1 external thread Aseptoflex Vario with leakage port	E30130
	D38 – G 1 external thread Aseptoflex Vario with leakage port	E30500
	G 1 welding mandrel	E30435
Process adapters clamp and hygienic pipe fittings		
	Clamp – G 1 Aseptoflex Vario DN50 with leakage port	E33309
	Tri-clamp – G 1 Aseptoflex Vario 2" with leakage port	E33209
	Tri-clamp – G 1 Aseptoflex Vario 2"	E33202
	Tri-clamp – G 1 Aseptoflex Vario 1.5" with leakage port	E33208
	Tri-clamp – G 1 Aseptoflex Vario 1 – 1.5" with leakage port	E33201
	Hygienic pipe fitting – G 1 Aseptoflex Vario 1.5"	E33212
	Hygienic pipe fitting – G 1 Aseptoflex Vario 2"	E33213
	Hygienic pipe fitting – G 1 Aseptoflex Vario 1.25"	E33211
	Pipe fitting – G 1 Aseptoflex Vario DN33,7 Series B with leakage port	E33304
	Pipe fitting – G 1 Aseptoflex Vario DN40 with leakage port	E33302
	Clamp connection with notch – G 1 Aseptoflex Vario DN40 with leakage port	E33308

Process connection	Installation depth [mm]	Order no.
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Application: version with long tip, installation in screwed socket connections

G 1 Aseptoflex Vario	77	LDL201
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Further technical data

Operating voltage	[V DC]	18...30
Current consumption	[mA]	< 70
Measuring range conductivity	[µS/cm]	100...1000000
Measuring range medium temperature	[°C]	-25...100; (< 1 h: 150)
Pressure rating	[bar]	16
Conductivity accuracy		2 % MW ± 25 µS/cm
Conductivity repeatability		1 % MW ± 25 µS/cm
Materials		Stainless steel (1.4404 / 316L); PEEK; PEI; FKM



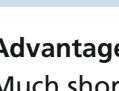
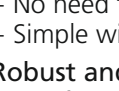
Accessories

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IO-Link

	USB IO-Link master for parameter setting and analysis of units Supported communication protocols: IO-Link (4.8, 38.4 and 230 kbits/s)	ZZ1060
	LR DEVICE (supplied on USB flash drive) Software for online and offline parameter setting of IO-Link sensors and actuators	QA0011

Connection technology

	Socket, M12, 4 poles 5 m, grey, MPPE cable	EVF001
	Socket, M12, 4 poles 2 m, grey, MPPE cable	EVF064
	Socket, M12, 4 poles 5 m, grey, MPPE cable	EVF004
	Socket, M12, 4 poles 2 m, grey, MPPE cable	EVF067

Advantages of LDL at a glance:

Much shorter commissioning time

- No need for additional evaluation electronics
- Simple wiring using M12 connector

Robust and compact design

- The fully welded stainless steel housing prevents water ingress
- Tip made of solid material prevents breakage under high load

Attractive offer

- High availability and fast delivery times
- Flexible adapter concept reduces / simplifies warehousing