



Do you want to know the flow?

The new generation of vortex sensors

- Suitable for ultrapure water, water-based media and glycol solutions
- Precise measurement of flow and temperature
- Durable and robust thanks to hydrolysis-resistant plastic
- High pressure and temperature resistance



IP65

ifm – close to you!

Process connection	Nominal width	Order no.	
		Seal: FKM	Seal: EPDM
G½	DN6	SV3051	SV3151
G½	DN8	SV4051	SV4151
G¾	DN10	SV5051	SV5151
G¾	DN15	SV6051	SV6151
G1	DN20	SV7051	SV7151
G1 ¼	DN25	SV8051	SV8151

Tried-and-tested principle redesigned

New design, improved robustness and proven precision: with their inner and outer values, the new generation of vortex sensors convinces all along the line, making the flow measurement of ultrapure water, water-based media and glycol solutions more easier than ever before.

Thanks to the new design and new materials, the number of inner seals could be minimised: housing and bluff body are made of one piece, guaranteeing high pressure and temperature resistance.

More robust against hydrolysis, pressure and temperature

The material used is characterised by high hydrolysis resistance, which has a positive effect on the service life of the device. In addition, the material is resistant to microbiological attack, which reduces the risk of legionella development, especially in cooling water circuits.

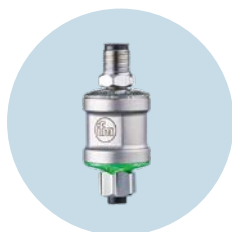
Identical installation dimensions

The installation dimensions correspond to those of the existing vortex generation, allowing for a smooth changeover to the new generation.

Common technical data		
Outputs		1x 4...20 mA 1x Pt1000
Measuring accuracy water	[%]	Q < 50 % MEW: < 1 (MEW) Q > 50 % MEW: < 2 (MW)
Measuring accuracy glycol	[%]	2 > v < 6 cSt: ± 5 % MEW 6 > v < 15 cSt: ± 10 % MEW
Repeatability	[%]	0.2 (MEW)
Medium temperature	[°C]	-15...125
Pressure rating	[bar]	16 (to max. 90 °C)
Bursting pressure	[bar]	≥ 25 (to max. 90 °C)
Materials (wetted parts)		PPS; PPSU; FKM or EPDM
Protection rating		IP65

Q = volume flow
MW = Measuring range value
MEW = Measuring range end value
v = kinematic viscosity

BEST FRIENDS



Temperature plug

Converts resistance values into analogue or IO-Link signals



Converter and display

Converts an analogue current signal into a digital signal



Level sensor

Continuous level detection in tanks and containers



For further technical details, please visit:
ifm.com/fs/SV3051