

Pulsed Flow Sensor PFS-V2

Flow sensor for valve surveillance

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Version: 1.5

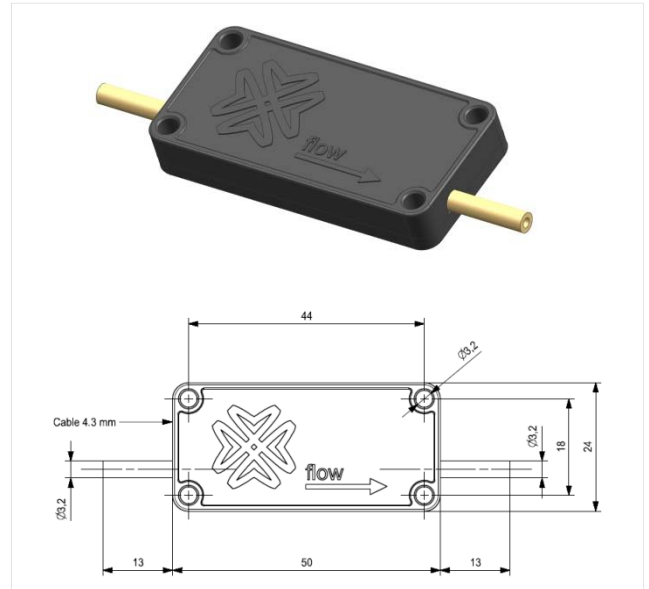
Product Summary

The Pulsed Flow Sensor is an extremely fast, volume flow sensor. It was developed for the monitoring pulsed flow, such as pulsating pumps and fast switching valves.

The PFS's unique feature is, that it automatically compensates for viscosity errors up to 10 mPas.

This reliable fast sensor monitors your dosing process and is able to build volume integrals of your processed fluid.

- Pre calibrated (ex works)
- Viscosity independent volume control
- Suitable signal interpreter: PFS Controller



Technical Data

Ordering Nr.	PFS-V2
Mounting connectors	3.0 mm stainless steel (1/4" PEEK)
Materials in contact with media	silicone, stainless steel (metal free version available), PPSU, epoxy, acrylate
Accuracy below full scale	4 % of measured Value
Dimensions	76x24x8 mm

Parameters	Symbol	Min.	Max.	Unit
Flow rate	V'	2	30	ml/min
Automatic viscosity correction range	η	0.5	10	mPas (cPs)
Operating pressure	p_w	0	2	bar (absolute)
Burst pressure	p_b	4		bar
Working temperature	T_w	10	40	°C
Flow detection response time	T_{63}		2	ms