

Hygienic Flow Sensor

Series/Type: Pulsed Flow Sensor

Date: 23.11.2023
Version: 1.1

Product summary

Highly sensitive volume flow sensor for dosing and filling applications.

- Volumes from 0.5 ml to 10 l
- Flow up to 12 l/min
- Fast responding 20kHz sampling rate

Features

- RS 485 communication
- FDA approved materials
- Aseptic connectors DIN 11864-1

Applications

- Filling machines
- Volume measurement
- Volume control loops



Technical Data

Ordering Nr.	HFS-3.5-M12-W (0-4L/min) HFS-5.2-M12-W (0-12L/min)
Connectors	DIN 11864-1 form A DN15
Sensing modes	Flow, volume integral, pressure, temperature
Materials in contact with media	1.4404 (316L), PEEK(FDA), FKM (FDA,USP Class VI)
Accuracy of flow rate	better than $\pm 2\%$ FS
Media calibration	Programmed viscosity and density
Communication	RS485
Supply Voltage	24V

Parameters	Symbol	Min.	Max.	Unit
Calibrated flow rate	V'	0.4	4.0	L/min
		1.2	12.0	L/min
Pressure range	pw	0.5	4.0	bar (absolute)
Burst pressure	pb	10		bar
Working temperature range	Tw	0	50	°C
Cleaning temperature range	Tc	0	70	°C

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