

Flow meter DulcoFlow®

Main applications

Monitoring and recording of chemical dosing in

- water treatment
- wastewater treatment
- the paper industry
- the chemical industry
- electroplating
- power plants and more

Measuring principle

The DulcoFlow® flow meter measures pulsing volume flows based on the ultrasonic method applying the transit time measurement principle. Here, a sound signal is alternately sent both with and against the flow direction. The time difference is then the measure of the mean flow velocity. The synchronous recording rate of measured values of 1 kHz ensures fast measurements at highest reproducibility. The DulcoFlow® records 1,000 measurements per second, where the time interval between two measured values is 1 ms and the measuring range is between 0.1 and 50 litres per hour. Operation without moving parts guarantees a long service life and wear-free operation.

Technical Data

Measuring range:	0.1...50 l/h
Accuracy:	< 2 % calibrated operation
Analogue output:	0/4...20 mA
Frequency output:	Configurable, max. 10 kHz
Protection class:	IP 65
Power supply:	100...230 V AC/ 50/60 Hz
Dimensions:	183.6 x 121 x 122.7 mm (H x W x D)

Media to be measured

Connector:	Hose connection with nominal widths 6/4, 8/5 or 12/9 mm
Medium pressure:	3...16 bar
Medium temperature :	-10...45 °C



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DulcoFlow® flow meter

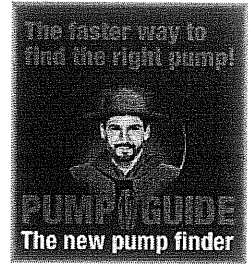
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