

BADU® FlowSonic / FlowSonic+

Flow measurement via ultrasound.

Field of application

The ultrasonic flow meters are ideally suited for measuring the volume flow. Thanks to ultrasonic measurement, they offer a precise, loss-free and calibration-free possibility to measure the volume flow. With a measuring range of 0-54 m³/h they can be used for pool water with a salt concentration of up to 3 % and are therefore particularly suitable for monitoring and displaying the flow in pool systems. Variable speed pumps can be adjusted to the required flow rate.

The FlowSonic+ can be used as a stand-alone solution and enables manual evaluation and customised adjustment of the flow rate. Settings for the FlowSonic+ are also possible via the SmartCONNECT app. This makes it flexible to use and expands the areas of application.

The FlowSonic communicates directly with the BADU Blue and BADU Blue Pro and other pool control solutions that can process a digital signal (pulse signal) and an analogue signal 4-20 mA.

Materials used

Housing	PA 66 GF 25
Measuring section	PP
Transducer	PEEK
Elastomers (process connection)	NBR
Elastomers (transducer)	EPDM

Technical data	BADU FlowSonic	BADU FlowSonic+
Power supply	DC 24 V SELV	DC 24 V SELV
Power Consumption	50 mA, 300 mA with digital output	50 mA, 300 mA with digital output
Power Input	Max. 10 W	Max. 10 W
Nominal pressure rating	PN 10	PN 10
Measuring range	54 m³/h	54 m³/h
Nominal diameter	DN 50	DN 50
Analogue output signal	4-20 mA	4-20 mA
Digital output signal	Pulse (667/l)	Pulse (667/l)
Medium temperature	0-45 °C	0-45 °C

For more detailed information regarding the motor protection please see page 147.

Technical data may vary.

Article no	Description
271.6510.002	BADU FlowSonic
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