Accurate flow measurement.

Ultrasonic Flow Meters

Belimo's next generation inline flow meters use ultrasonic technology to provide accurate and repeatable measurement in any HVAC application. This innovative measurement method features patented glycol compensation logic to detect, monitor and compensate the glycol concentration in the system at all times.
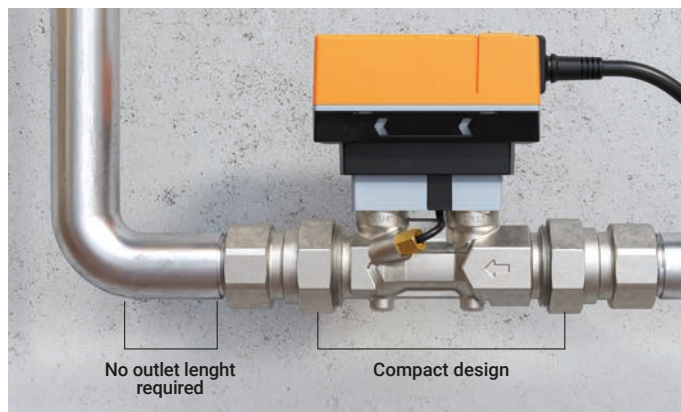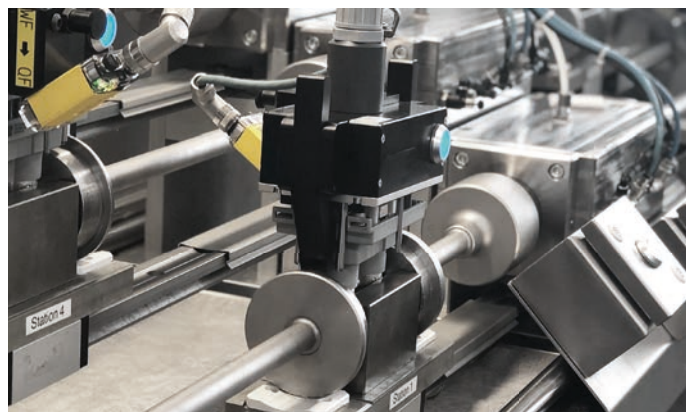
- – Compatible with a wide range of heating and cooling fluids
- – Accurate measurement of glycol content (%)
- – Accurate volume counting / accumulation
- – 0...10 V DC analog output, with flow or temperature selectable via the Belimo Assistant App

- – Scalable analog output provides optimal resolution
- – Flow values readings and error messages via a bus interface – BACnet MS/TP, Modbus RTU and MP-Bus and NFC – using the Belimo Assistant App
- – Additionally, a sensor or switch can be connected

Visit us at
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BELIMO®

Accurate and reliable.

No outlet lenght required
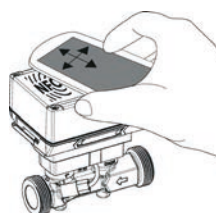
Compact design

Accurate results without drift

– Patented temperature and glycol compensation logic eliminates any further on site calibration requirements and avoids false flow readings in both chilled and hot water applications.

– Multi-point wet calibrated in the factory to ensure +/- 2 % accuracy and +/- 0.5 % repeatability.

– Maintenance-free design ensures reliable operation and extended service life backed by a 5-year warranty.

Ease of installation and energy efficiency

– The small footprint of the complete sensor assembly with short inlet length ensures that the flow sensor can be easily installed even in tight spaces.

– Hassle-free installation and accurate flow measurement right from the start-up.

– Low pressure drop for pump optimisation provides energy savings.

– Low power consumption of 1.1 W.

Ultrasonic Flow Meter – DN 15...50 / ¾" – 2½"

Model	Full Scale (l/s)	Full Scale (m³/h)	G ["]	DN [mm]	Output Signal	Communication
22PF-1UC	0.5	1.8	¾	15		
22PF-1UD	0.83	3.0	1	20		
22PF-1UE	1.17	4.2	1 ¼	25	0 to 10 VDC	MP-Bus
22PF-1UF	2.0	7.2	1 ½	32	0.5 to 10 VDC	BACnet MS/TP
22PF-1UG	3.33	12	2	40	2 to 10 VDC	Modbus RTU
22PF-1UH	5.0	18	2 ½	50		

Easy interaction through NFC
Quick data access, field adjustable, commissioning and troubleshooting with the Belimo Assistant App and a smartphone.

EN – 06.2022 – Subject to technical modifications

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