

Accurate flow and glycol measurement.

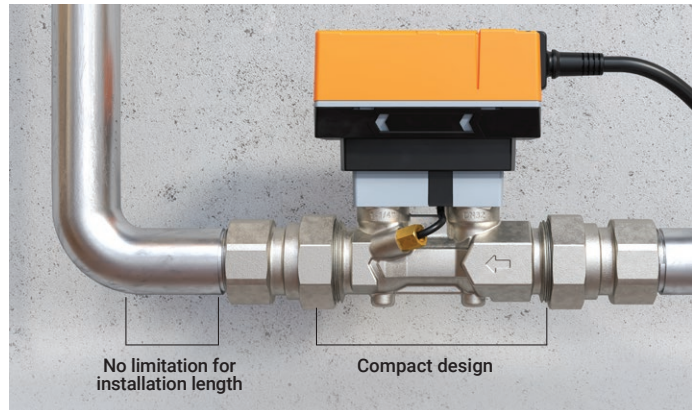
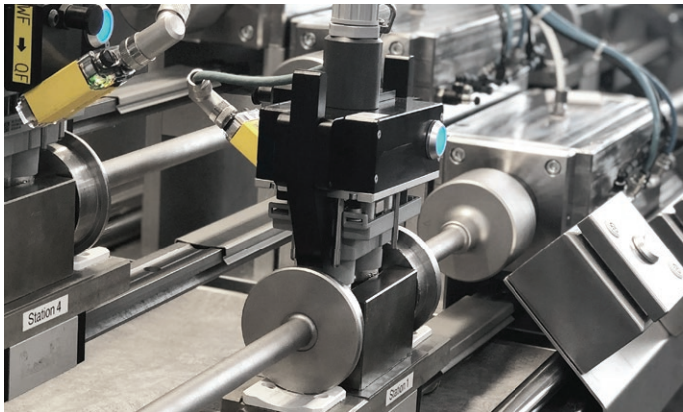


Ultrasonic Flow Sensors

Belimo's next generation inline flow sensors use ultrasonic transit-time technology to provide accurate, repeatable measurement in any HVAC application. The innovative measurement method features patented glycol compensation logic to automatically 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 for consumer billing
- Low pressure drop and air bubble detection for pump optimisation and energy savings
- DC 0...10 / 0.5...10 / 2...10 V analog output, with flow and temperature selectable via the Assistant App
- Flow values readings and error messages via a bus interface – BACnet MS/TP, Modbus RTU, MP-Bus and NFC – using the Assistant App
- Additional connections for passive, active and switch sensors

Accurate flow and glycol measurement.



Accurate results without drift

- Patented temperature and glycol compensation logic eliminates calibration requirements and avoids false flow readings in both chilled and hot water applications
- Trusted flow measurement with +/- 2% accuracy and +/- 0.5% repeatability
- Multi-point wet calibrated to ensure accuracy and 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 saves energy and transformer capacity

Ultrasonic Flow Sensor DN 15–50 / ¾" – 2½"

Model	Full Scale (l/s)	Full Scale (m ³ /h)	Inches	DN [mm]	Output Signal	Technology
22PF-1UC	0.5	1.8	¾	15	0 to 10 VDC 0.5 to 10 VDC 2 to 10 VDC	Ultrasonic
22PF-1UD	0.83	3.0	1	20		
22PF-1UE	1.17	4.2	1 ¼	25		
22PF-1UF	2.0	7.2	1 ½	32		
22PF-1UG	3.33	12	2	40		
22PF-1UH	5.0	18	2 ½	50		
22PF-1UHH	5.0	27.24	2 ½	50		

