



**Trusted flow  
measurement.**

### **Ultrasonic flow sensor**

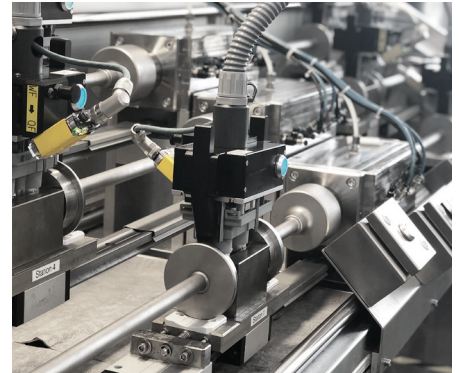
Reliable measurement of flow plays an important role in maximising HVAC system efficiency and conserving energy. Inline flow sensors from Belimo utilise ultrasonic transit-time technology to provide accurate and repeatable water-flow measurement. Their compact size and insensitivity to dirt make them ideal for use with HVAC chilled water, hot water and water / glycol solutions at temperatures ranging from  $-20$  to  $120$  °C.

- Certainty that the measured flow is correct.
- Only one flow sensor required for glycol concentrations up to 60%.
- Maintenance-free design ensures reliable operation and long service life.

# Trusted flow measurement.

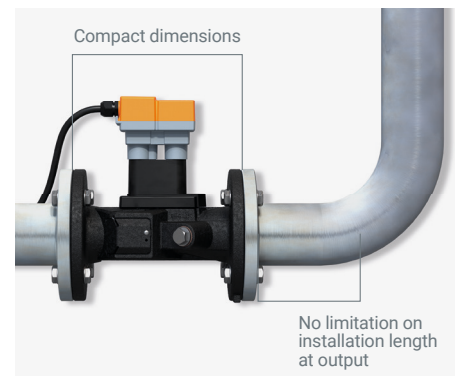
## Accurate results without drift

- Multipoint wet calibrated to ensure accuracy and repeatability.
- Patented temperature and glycol compensation logic assures accuracy over the whole temperature and glycol concentration range.
- +/- 2% accuracy of reading and +/- 0.5% repeatability ensure accurate and precise flow measurement.



## Easy installation – energy efficiency

- Ultra compact size. With a short inlet length of 5 x DN and no output-length requirements, the ultrasonic flow sensor from Belimo can be installed even where space restrictions are very tight.
- Low power consumption of 0.5 W saves energy and transformer capacity.
- Thanks to low pressure loss, energy-optimized use of the pump.
- Immediately displays if there is no water in the system during commissioning.



## Ultrasonic flow sensor PN 16 / DN 65...150 / DC 0...10 V



Model	DN [mm]	FS [l/s]	$\Delta p$ [kPa]
FM065F-SZ	65	9.60	12
FM080F-SZ	80	13.60	13
FM100F-SZ	100	24.00	12
FM125F-SZ	125	37.50	13
FM150F-SZ	150	54.00	15

**FS:** Full scale (maximum measurable flow)  
 **$\Delta p$ :** Pressure drop for FS



5-year warranty



On site around the globe



Tested quality



Short delivery times



Comprehensive Support



Complete product range