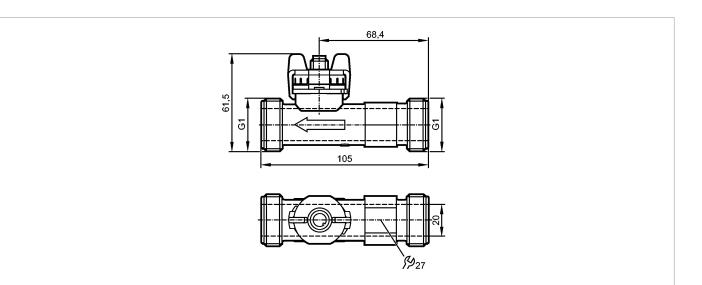
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CE

Product characteristics
Vortex flow meter
DN 20
Quick disconnect
Process connection: G1
connection to pipe by means of an adapter
flow monitoring
Measuring range
585 I/min
Temperature monitoring
Measuring range
-40100 °C
Measuring element: 1 x Pt 1000, to DIN EN 60751, class B

Application

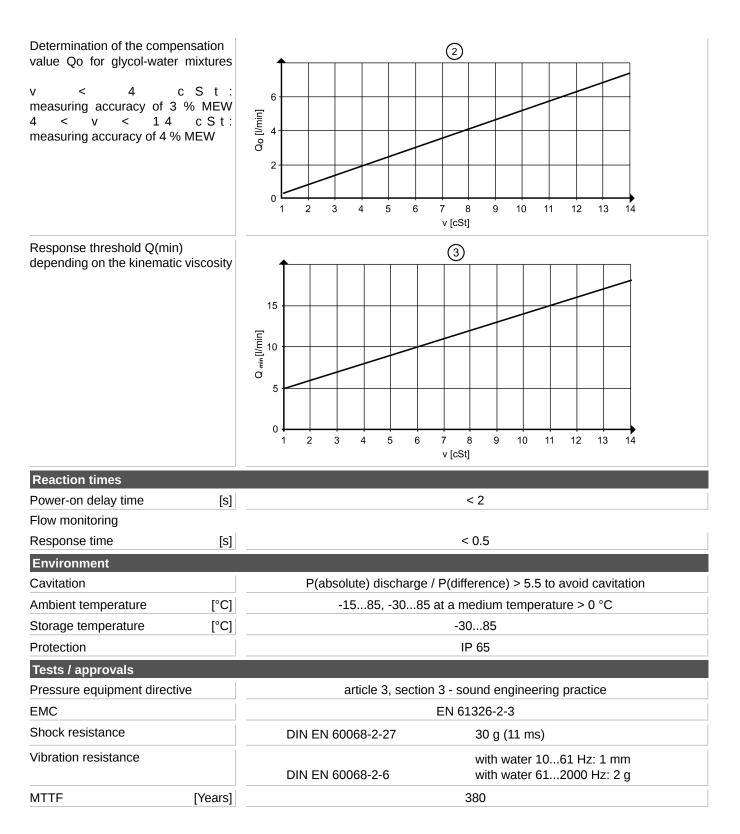
Application		Water, water-based media
Pressure rating [bar]		$12 \frac{1}{10} \frac{1}{10$
Pressure rating	[bar]	12; (up to 40 °C)
Medium temperature	[°C]	-40100
Electrical data		
Electrical design		DC
Operating voltage	[V]	833
Insulation resistance	[MΩ]	> 100 (500 V DC)
Protection class		III



Outputs	
Output function	analog
Analog output	420 mA
Max. load [Ω]	< (Ub - 8 V) / 20 mA 800 at Ub = 24 V
Measuring / setting range	
Flow monitoring	
Measuring range	5.085 [l/min] 0.2654.509 [m/s]
Output curve	Water: Q [l/min] = 5.,313 x (l - 4 mA) Water-glycol: Q [l/min] = 5.313 x (l - 4 mA) - Qo, see figure (2)
Temperature monitoring	
Measuring range [°C]	-40100
Internal heating temperature probe	1 K/mW
Cable resistance to the connector	0.8 Ω
Accuracy / deviations	
Flow monitoring	
Accuracy	Q < 50 % MEW (water): < 1 % MEW Q > 50 % MEW (water): < 2 % MW
Repeatability	0.2; [% of the final value]
	200 180 160 140 140 120 100 80 60 40 20 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 Q [l/min]
Temperature monitoring	
Accuracy [K]	± 0.3 ± 0.005 × T
Determination of the kinematic viscosity (v) of glycol-water mixtures depending on the temperature	$ \begin{array}{c} & (1) \\ & (1) $



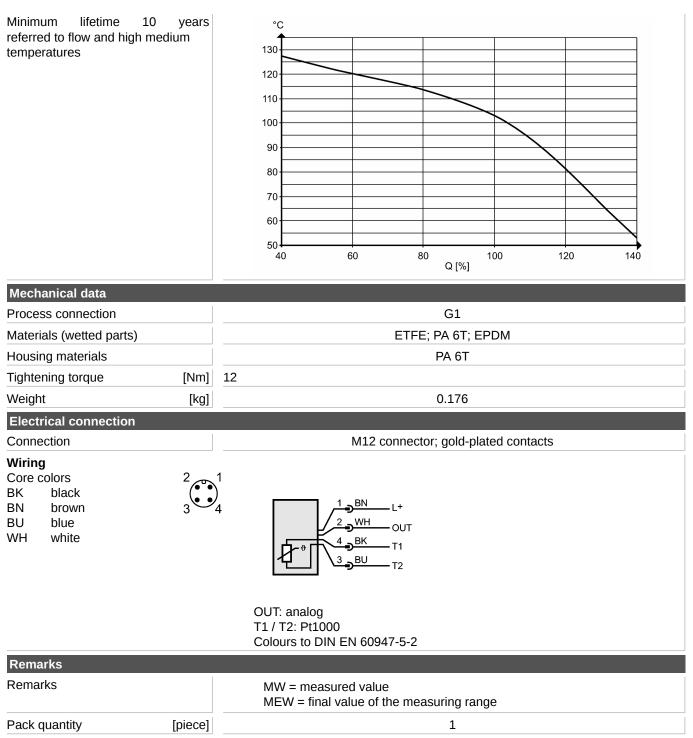
Flow sensors







Flow sensors



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