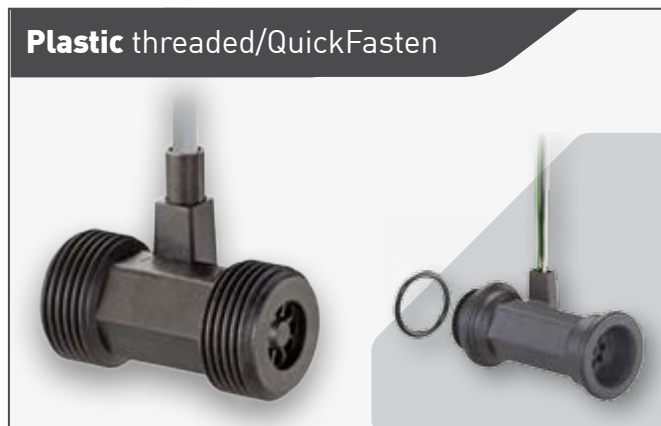




OEM-In-line Turbine Flow Sensors for potable water applications

Series VTY

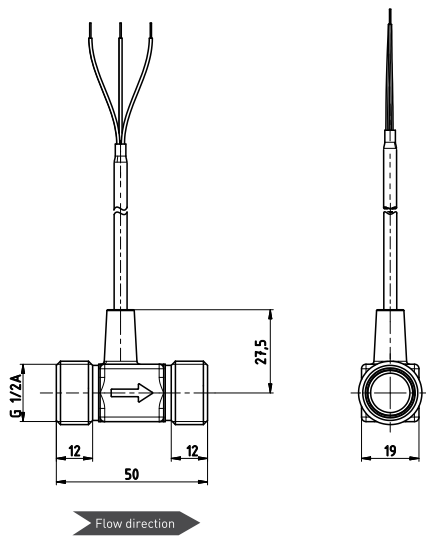


- Sapphire-supported turbine for long durability, for OEM
- Turbine body made of brass or glass-fibre reinforced plastic, turbine internals made of glass-fibre reinforced plastic
- Wide measuring span (1:30)
- Flow proportional frequency output signal
- Various fitting positions
- Practically independent from flow straighteners
- Insensitive against water hammers
- Threaded connection or QuickFasten

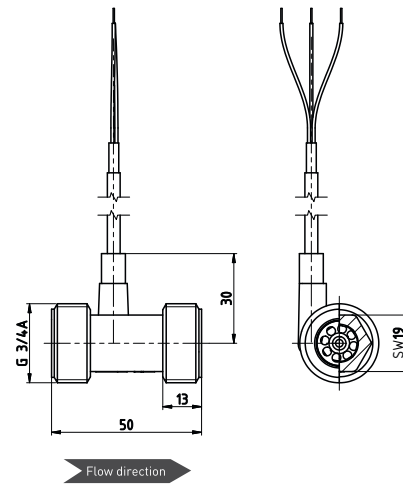
Technical Data	Brass threaded	Plastic threaded	Plastic QuickFasten
Measurement range	1...30 l/min		
Accuracy	±0.3 l/min		
Signal output	From 0.7 l/min	From 0.6 l/min	
Nominal diameter	DN 10		
Pressure rating	PN 10		
Medium temperature	Max. 70 °C, temporary 95 °C		
Ambient temperature	0...70 °C		
Process connection	G½ male	G¾ male	QuickFasten
Sensor	Hall effect sensor		
Output signal	Square wave-Frequency signal, NPN open collector		
Pulse duty ratio	50:50		
Pulse rate / K-factor	495 pulses/l	530 pulses/l	
Electrical connection	PVC-cable, double insulated (1 m), optional single wire		Single wires (145 mm)
Power supply	4,5...24 VDC		
Materials	Brass PPO Noryl GFN3 Hard ferrite Stainless steel / Hard metal Sapphire PEEK Victrex	PPO Noryl GFN3 PPO Noryl GFN3 Hard ferrite Stainless steel / Hard metal Sapphire PEEK Victrex	
Approval			
Order code	VY1030MSHN10A3	VY1030K5HN10A4	VY1030K5HNPOQ1

Dimensions, characteristic curve and typical pressure drop

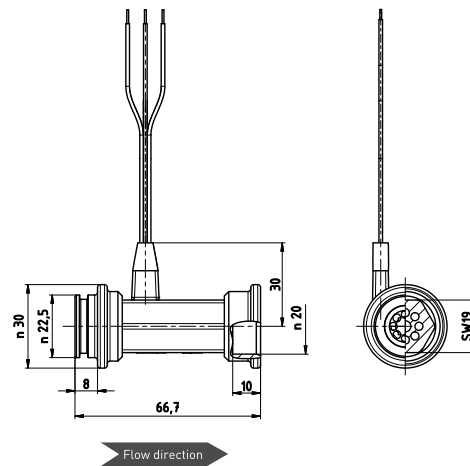
Brass threaded



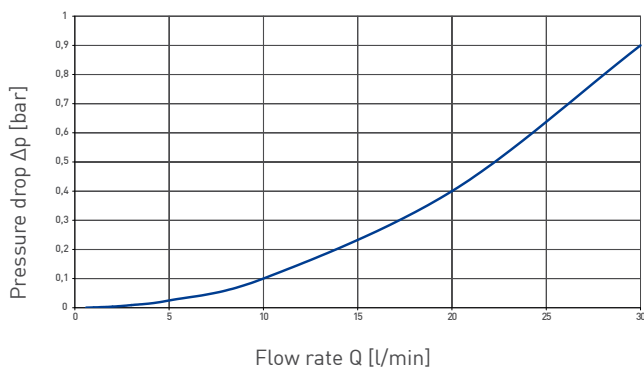
Plastic threaded



Plastic QuickFasten



Pressure drop



Characteristic curve

