

VTY10



VTY10, brass



VTY10, plastic

Your advantages

Series	VTY10
	• Low wear and extremely long durability due to high quality bearing • Practically no deviation in mass production due to fixed pulse rate, insensitive against water hammers • Threaded connection or QuickFasten, proven in numerous mass production applications • High measuring accuracy, mostly independent of fitting position due to integrated flow straightener

Technical data	VTY10 threaded		VTY QuickFasten
Material pipe section	Brass	Plastic	Plastic
Flow range	1...30 l/min		
Accuracy	±1 % of range		
Repeatability	±1 %		
Signal output	From 0.7 l/min	From 0.6 l/min	
Medium temperature	0...90 °C (non-freezing), temporary 95 °C	0...85 °C (non-freezing), temporary 95 °C	0...70 °C (non-freezing), temporary 95 °C
Ambient temperature	0...70 °C		
Pressure rating	PN 16	PN 10	
Nominal diameter	DN 10		
Process connection	G½ male thread	G¾ male thread	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	80 mm (QuickFasten 90 mm) single wire with Molex Mini-Fit® Jr. plug connector (part number 39-01-4036)		
	Optional: PVC-cable (1 m), optional single wires		Optional: Single wires (145 mm)
Power supply	4.5...24 VDC		

Approvals



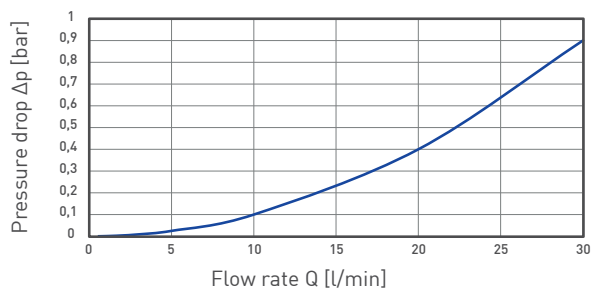
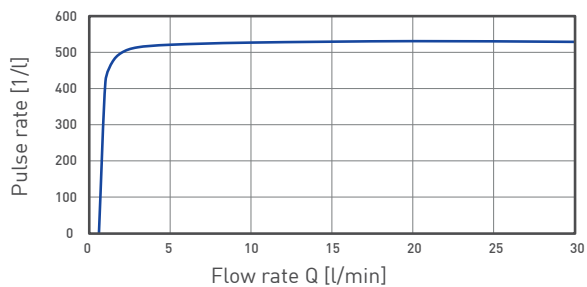
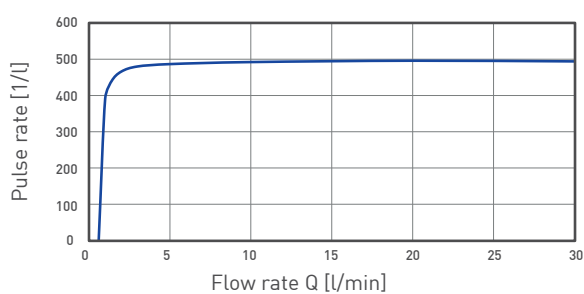
NSF/ANSI 372
NSF/ANSI 61



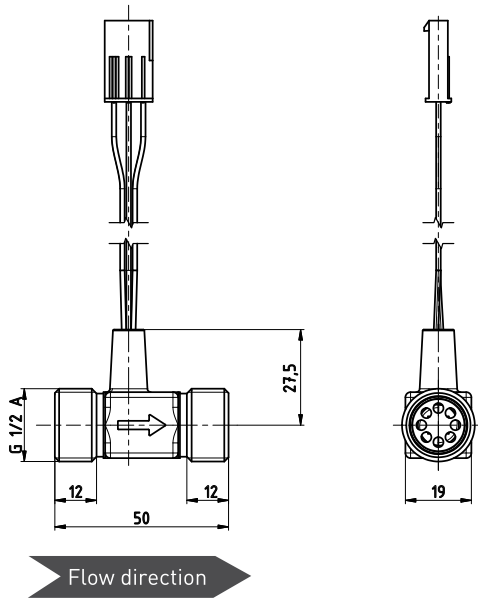
Available for:

VY1030MKHXX1N3, VY1030MKHN10N3
VY1030K5HXX1A4, VY1030K5HN10A4

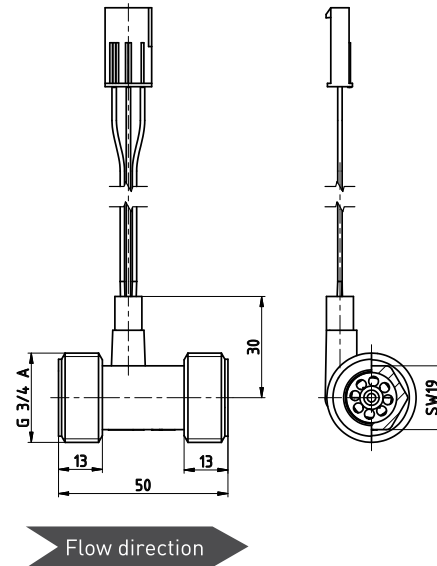
Version with G-thread on request

Typical pressure drop**Characteristic curve, plastic****Characteristic curve, brass**

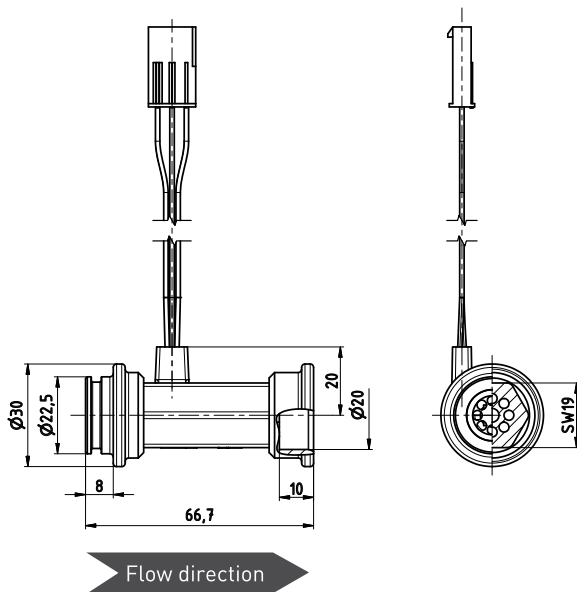
Threaded version, brass



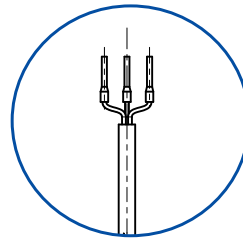
Threaded version, plastic



QuickFasten, plastic



Alternative electrical connection



Materials in contact with fluid

Type	VTY10, brass	VTY10, plastic
Pipe section	Brass CW617N	PPE+PS Noryl™ 30 % glass fibre reinforced
Rotor	PPE+PS Noryl™ 30 % glass fibre reinforced	
Magnet	Hard ferrite	
Shaft	Stainless steel / Hard metal	
Axial bearing	Saphir	
Radial bearing	PEEK Victrex™	

Order code		
Type		
VTY10, brass		VY1030MAHN
Electrical connection		
80 mm single wire with Molex Mini-Fit® Jr. plug connector		X1A3
1 m PVC-cable		10A3
Example order number		VY1030MAHN X1A3

Order code		
Type		
VTY10, plastic		VY1030K5HN
Electrical connection		
1 m PVC-cable, threaded		10A4
80 mm single wire with Molex Mini-Fit® Jr. plug connector, threaded		X1A4
145 mm single wires, QuickFasten		P0Q1
90 mm single wires mit with Molex Mini-Fit® Jr. plug connector, QuickFasten		X2Q1
Example order number		VY1030K5HN 10A4