

Push-in flow sensors // VTH20



Highlights

- Low deviation in mass production, fixed pulse rate, low start-up
- High measuring accuracy, compact dimensions
- Proven in numerous mass production applications

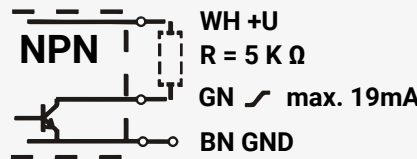
Technical data	
1 Push in turbine	
Flow range	1...42 l/min*
Accuracy	±1 % of range, ±3 % of reading (from 15 l/min)
Repeatability	±0.2 %
Signal output	From 0.33 l/min
Medium temperature	Max. 85 °C
Nominal diameter	DN 20
Approvals	
Plastic parts and O-Ring comply with KTW-guidance or the Elastomer Guideline of the German Federal Environmental Agency	

Stated values may vary depending on geometry of fittings.

* not suitable for continuous operation

** Union nut included

*** O-ring included

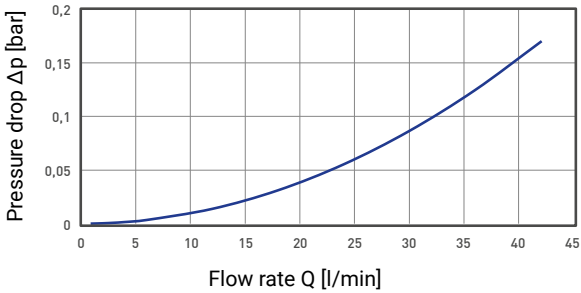
Technical data	
2 Hall effect sensor**	
Nominal pulse rate	232 Pulse/l
Frequency output	NPN open collector
Power supply	4.5...26.5 VDC or 10...30 VDC
Electrical connection	2 m PVC-cable
Pin assignment	
	

Technical data	
3 Adapter sleeve for hall effect sensor***	
Pressure rating	PN 10
Process connection	G $\frac{3}{8}$ A
Approvals	
Plastic parts and O-Ring comply with KTW-guidance or the Elastomer Guideline of the German Federal Environmental Agency	

Typical pressure drop // Technical drawing // Materials

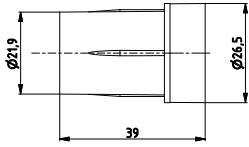
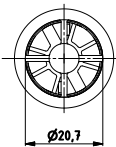
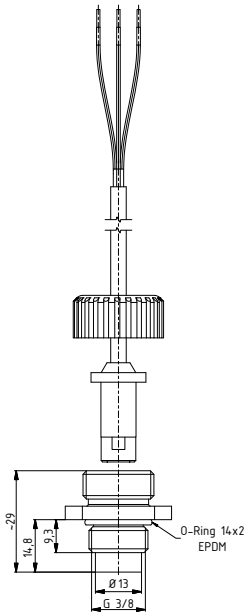
Typical pressure drop*

VTH20



* determined in SIKA pipe tee

Materials in contact with fluid	
Push in turbine	
Turbine body	PS-ST Xarec® 20 % glass fibre reinforced
Rotor	PS-ST Xarec® 20 % glass fibre reinforced
Shaft	Stainless steel 1.4539
Axial bearing	Sapphire
Radial bearing	PA
Adapter sleeve for Hall effect sensor	
Adapter sleeve	PS-ST Xarec® 20 % glass fibre reinforced
O-ring	EPDM



Flow direction

Article numbers

Order code	
Component	Order number
Push in turbine	VT2042020000YY
Hall effect sensor	
→ 4.5...26.5 VDC	VT2231
→ 10...30 VDC	VT2228
Adapter sleeve for Hall effect sensor	XVT1205