

Push-in flow sensors // VTH20



VTH20

Your advantages

Series VTH20

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

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

② Hall effect sensor**

Nominal pulse rate	232 Pulse/l
Frequency output	NPN open collector
Power supply	4.5...24 VDC
Electrical connection	0.5 m PVC-cable

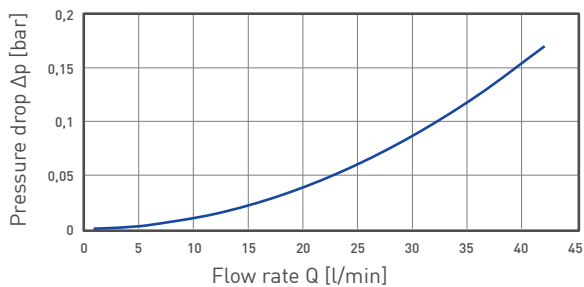
③ Adapter sleeve for hall effect sensor***

Pressure rating	PN 10
Process connection	G $\frac{3}{8}$ A

Approvals

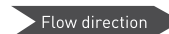
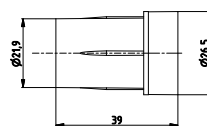
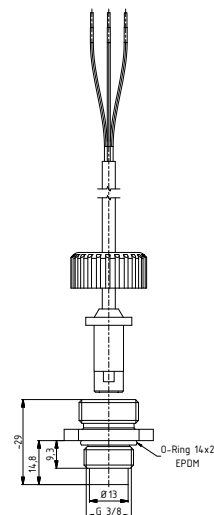
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Typical pressure drop*



* determined in SIKA pipe tee

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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

Order code	
Component	Order number
Push in turbine	VT2042020000YY
Hall effect sensor	VT2307
Adapter sleeve for Hall effect sensor	XVT1205