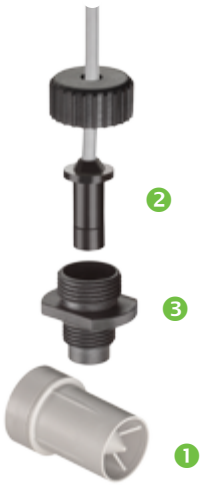
Push-in flow sensors // VTH20



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

❶ Push in turbine	
Flow range	1...42 l/min with continous operation max. 25 l/m
Accuracy	±1 % of range, ±3 % of reading (from 15 l/min)
Repeatability	±0.2 %
Signal output	From 0.33 l/min
Medium temperature	Max. 60 °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	

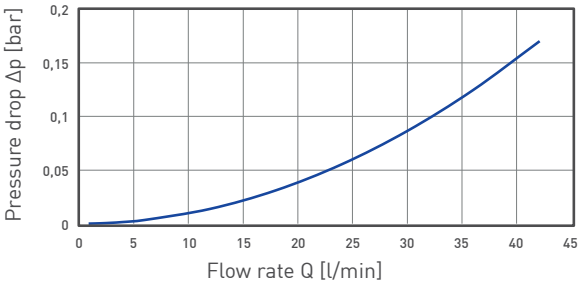
❷ Hall effect sensor*	
Nominal pulse rate	232 Pulse/l
Frequency output	NPN open collector
Power supply	10...30 VDC (optional 4.5...26.5 VDC)
Electrical connection	2 m PVC-cable, shielded (T_{max} = 75 °C)

❸ Adapter sleeve for hall effect sensor**	
Pressure rating	PN 10
Process connection	G⅜ A
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.
* Union nut included
** O-ring included

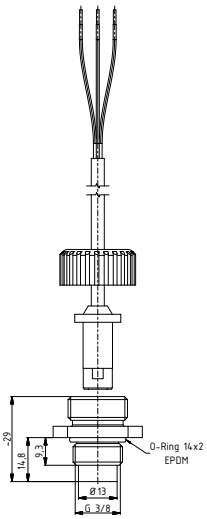
SIKA Dr. Siebert & Kühn GmbH & Co. KG
Struthweg 7-9 // 34260 Kaufungen // Germany
www.sika.net

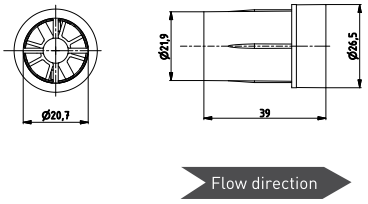
Typical pressure drop*



* determined in SIKA pipe tee

VTH20





Flow direction

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	PPE+PS Noryl™ 30 % glass fibre reinforced
O-ring	EPDM

Order code	
Component	**Order number**
Push in turbine	VT2042020000YY
Hall effect sensor	VT2228
Adapter sleeve for Hall effect sensor	VT25Z000000002

Minimum lot size 50 pieces