

Push-in flow sensors // VTH15



Highlights

- Low deviation in mass production, fixed pulse rate
- High measuring accuracy
- Low wear and extremely long durability due to high quality bearing
- Compact dimensions, proven in numerous mass production applications

Technical data	
1 Push in turbine	
Flow range	2...40 l/min with continuous operation 20 l/m
Accuracy	±1 % of range
Repeatability	±0.2 %
Signal output	From 0.3 l/min
Medium temperature	Max. 85 °C
Nominal diameter	DN 15

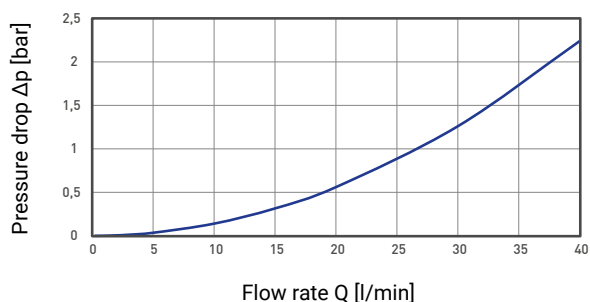
Stated values may vary depending on geometry of fittings.
* O-ring included

Technical data	
2 Hall effect sensor*	
Nominal pulse rate	855 pulses/l
Frequency output	NPN open collector
Power supply	4.5...24 VDC
Electrical connection	1.5 m PVC cable, shielded (T _{max} = 70 °C)
Pressure rating	PN 10
Process connection	Push-in sleeve Ø 15 mm

Typical pressure drop // Technical drawing // Materials

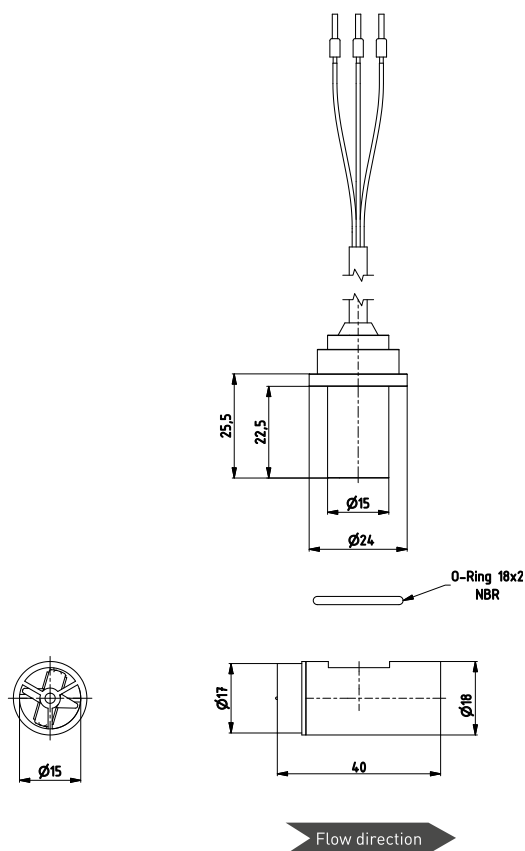
Typical pressure drop*

VTH15



* determined in SIKA pipe tee

Materials in contact with fluid	
Push in turbine	
Turbine body	PEI ULTEM™
Rotor	PEI ULTEM™
Magnet	Hard ferrite
Shaft	Arcap / Hard metal
Axial bearing	Sapphire
Radial bearing	Sapphire
Hall effect sensor	
Adapter sleeve	PPE+PS Noryl™ 30 % glass fibre reinforced
O-ring	NBR



Article numbers

Order code	
Component	Order number
Push in turbine	AD3004
Hall effect sensor	VT2000