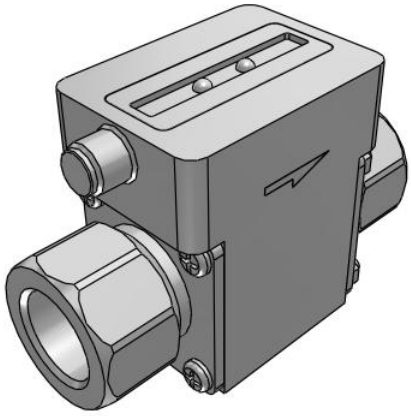


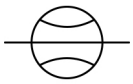
PF3W5-Z, Digital Flow Switch for Water, Remote Sensor Unit, IP65

PF3W504-F03-2N-Z

Datasheet

General series information

- Compact size.
- Built-in temperature sensor.
- IP65.



Flow meter

Standard specifications

Rated Flow Range	04 (0.5 to 4 l/min)
Flow Adjustment Valve	W/o Flow Adjustment Valve
Thread	F (G)
Port Size	03 (3/8)
Output Specification/Temperature Sensor	2 (Out 1 Flow Rate: Analogue 4 to 20 mA; Out 2 Temperature: None; Temperature Sensor: None)
Lead Wire	N (w/o Lead Wire and M8 Connector)
Unit Specification	Instantaneous Flow: L/min, Temperature: °C
Bracket	None
Calibration Certificate	None
Proof pressure	1.5 Mpa
General power supply	12 - 24 VDC ±10 %
Response time	0.5 s/1 s/2 s (linked with the switch output)
Current consumption	50 mA or less
Material	PPS, Stainless steel 304, FKM, SCS13, Non-grease
Operating humidity range	Operation, Storage: 35 to 85 % R.H. (No condensation)
Enclosure	IP65
Repeatability	±2 % F.S.
Applicable fluid	Water and ethylene glycol aqueous solution (with viscosity of 3 mPa·s [3 cP] or less)

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

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Analog current output	4 to 20 mA Max. load impedance: 300 Ω for 12 VDC, 600 Ω for 24 VDC
Analog voltage output	1 to 5 V Output impedance: 1 kΩ
Operating temperature range	0 to 50 °C (No freezing or condensation)
Pressure range	0 - 1 MPa
Accuracy	Display value: ±3 % F.S. Analogue output: ±3 % F.S.
Indicator light	Output 1, Output 2: Orange
Withstand voltage	1000 VAC for 1 minute between terminals and housing
Insulation resistance	50 MΩ or more (500 VDC measured via megohmmeter) between terminals and housing
Temperature characteristics	±5 % F.S. (25 °C standard)
Standards	CE, UL
Flow detection method	Karman vortex
Fluid temperature	0 to 90 °C (No freezing or condensation)
Pressure loss (without flow adjustment valve)	45 kPa or less at the maximum flow

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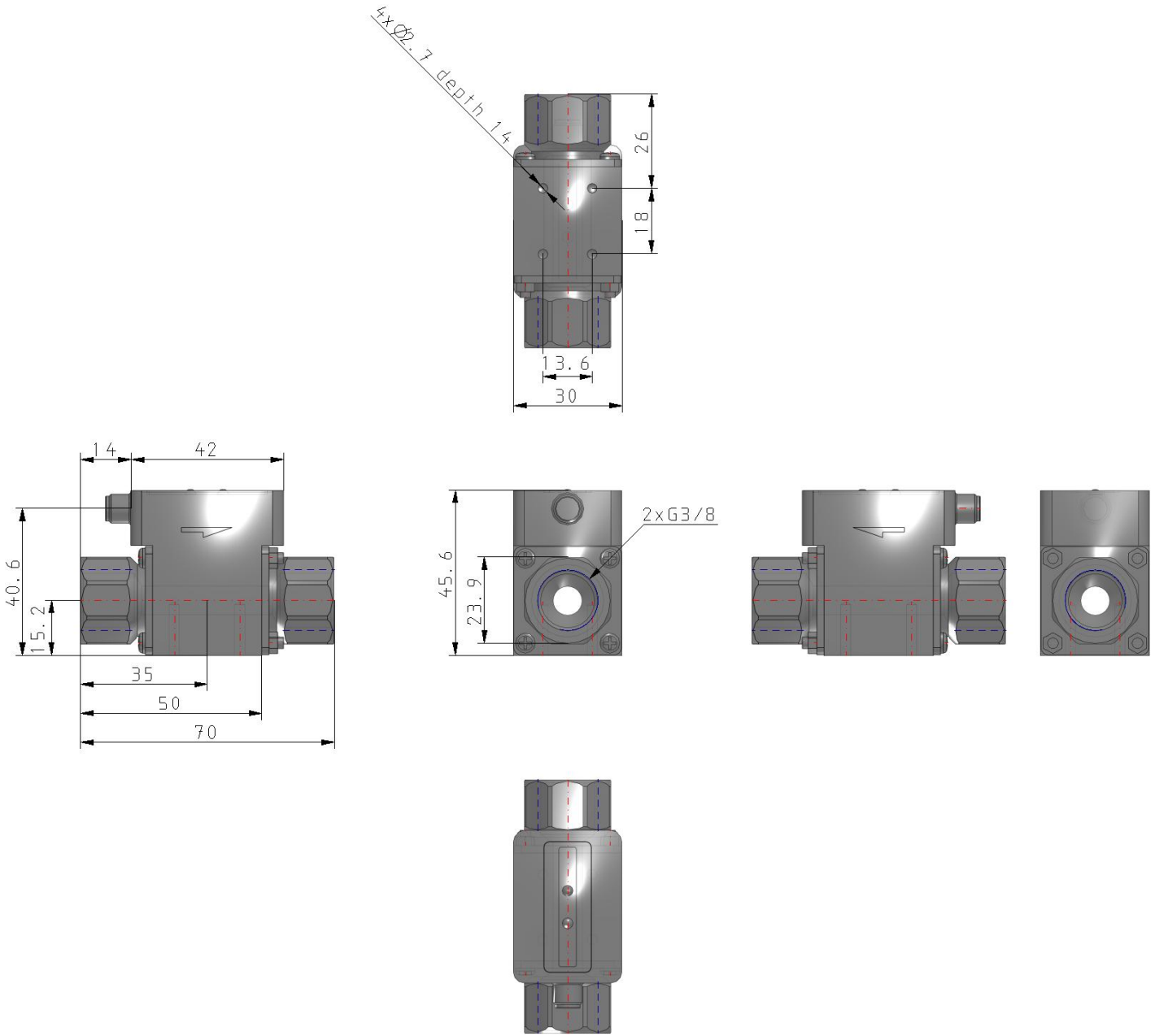
Dimensions



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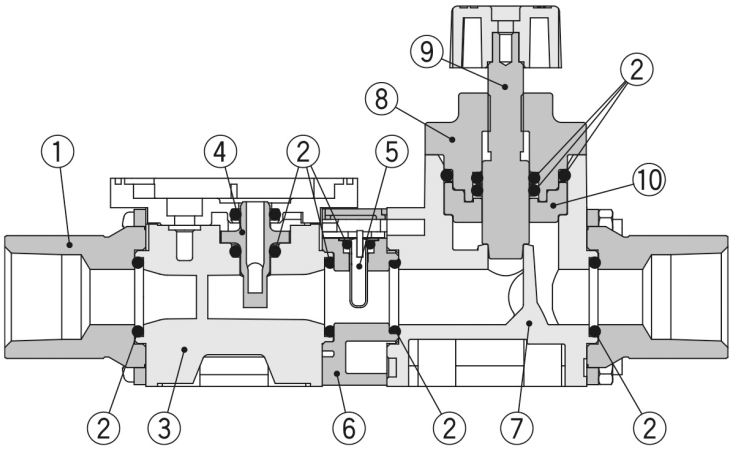
Constructions



Component Parts

No.	Description	Material	Note
1	**Attachment**	Stainless steel 304	PF3W704/720/740/504/520/540
		SCS13	Stainless steel 304 equivalent, PF3W711/511
2	**Seal**	FKM	
3	**Body**	PPS	
4	**Sensor**	PPS	
5	**Temperature sensor**	Stainless steel 304	
6	**Temperature sensor body**	PPS	
7	**Flow adjustment valve body**	PPS	
8	**Flow adjustment valve cover**	PPS	
9	**Flow adjustment valve shaft**	Stainless steel 304	
10	**Shaft support**	PPS	

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Additional information

Catalogue	PF3W-Z_L-B_EU.pdf
Declaration of conformity	newdoc_pf_tf1w35en.pdf newDoC_PF3W_TF125-158EN.pdf DoC_PF3Wx_TFG0006.pdf newDoC_PF3W_TF1V119EN-A.pdf
Installation manuals	IM_PF3W5_TF2Z082EN-B.pdf IM_PF3W7-L_TF2Z088EN-A.pdf
Operation manuals	OM_PF3W5_OMN0010EN-L.pdf OM_PF3W7_OMW0010EN-I.pdf

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