



- Flow range:
0.8-8 to 15-150 m³/h water
- Measurement accuracy:
±5% f. s.
- p_{max} PN 10
- t_{max} 200 °C
- Connection: intermediate flange
DN 32 to DN 100 (500)
- Material: PVC, stainless steel
- Small pressure loss



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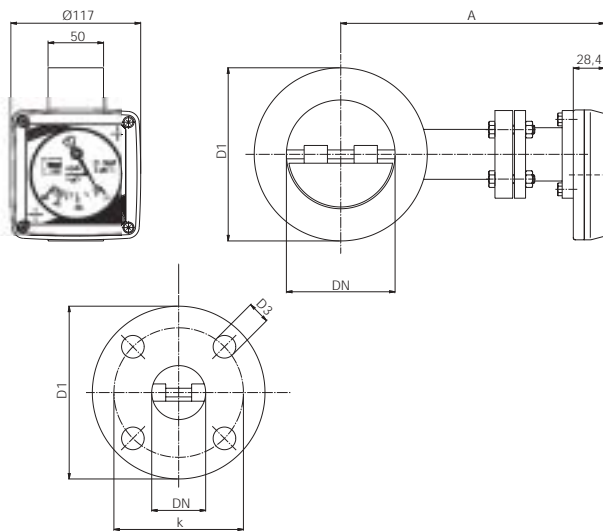
Model:
DPR



Description

The new KOBOLD flow meter type DPR works according to the baffle plate principle. A very small mounting length of only 50 mm can be implemented with the sandwich construction. A plate (semi-circular) is fastened to a rotatable axis in the 50 mm thick ring. The angle between plate and ring changes according to the flow throughput. A permanently attached magnetic coupling transfers the motion to an external indicator. A torsion spring forces the baffle plate back to its original position when the flow throughput decreases. The devices can therefore be installed in any position.

Dimensions



Dimensions in mm, design PN 10

DN	32	40	50	65	80	100
D1	78	88	102	122	128	158
A	207	207	216	224	231	241
k	-	-	-	-	-	-
d3	-	-	-	-	-	-

Technical Details

Material:

- Display case: aluminium, PA
- Ring: PVC or stainless steel
- Baffle plate/axis: stainless steel 1.4571

Connection: intermediate flange DN 32 to DN 100 for mounting between welding neck flanges DIN 2501 (ANSI upon request)

Max. temperature: PVC 0 - 20 °C at 10 bar (0 to + 40 °C 6 bar)
stainless steel -70 to 100 °C 10 bar (the medium should not freeze)

Max. pressure: PN 6/10

Mounting position: any

Accuracy: ± 5 % f.s.

Contact

● **Bistable reed contacts as N/C and/or N/O contact**

- Electrical load: max. 140 V_{AC} / 200 V_{DC}
- Switching current: max. 0.25 A
- Switching capacity: max. 5 VA / 3 W
- Max. ambient temperature: -40 to 105 °C

● **Inductive contact**

- Power supply: 8 V_{DC}
- Active surface free: ≥ 3.2 mA
- Active surface covered: ≤ 1 mA
- Max. ambient temperature: -25 to 70 °C

Applications

- Robust construction
- Negligible pressure losses
- Horizontal or vertical direction of flow
- Short design

Order details (Example: DPR-1308H F32 L S1)

Measuring range m ³ /h water	Pressure loss (mbar)	Model		Intermediate flange		Direction of flow	Contacts
		Material PVC	Material stainless steel	DIN	ANSI		
0.8-8	10	DPR-1308H	DPR-1408H	F32=DN 32	A32=1 1/4"	horizontal ..L=from the left ..R=from the right	00=without Reed contact ..S1=1 N/C ..C1=1 N/O
1.0-10	10	DPR-1310H	DPR-1410H	F40=DN 40	A40=1 1/2"		
1.3-13	10	DPR-1313H	DPR-1413H	F32=DN 32	A32=1 1/4"		
2.5-25	10	DPR-1325H	DPR-1425H	F40=DN 40	A40=1 1/2"		
3.0-30	10	DPR-1330H	DPR-1430H	F50=DN 50	A50=2"		
4.5-45	10	DPR-1345H	DPR-1445H	F50=DN 50	A50=2"	vertical ..T=from top ..B=from bottom	Inductive contact ..I1=1 inductive N/C contact ..N1=1 inductive N/O contact
5.0-50	13	DPR-1350H	DPR-1450H	F65=DN 65	A65=2 1/2"		
6.0-60	14	DPR-1360H	DPR-1460H	F80=DN 80	A80=3"		
7.0-70	14	DPR-1370H	DPR-1470H	F65=DN 65	A65=2 1/2"		
8.0-80	13	DPR-1380H	DPR-1480H	F1H=DN 100	A1H=DN 4"		
10-100	15	DPR-131HH	DPR-141HH	F80=DN 80	A80=DN 3"		
15-150	14	DPR-13H5H	DPR-14H5H	F1H=DN 100	A1H=DN 4"		