



Flow Indicator

for Liquid
with self-cleaning Mechanism



measuring
•
monitoring
•
analysing

DAA



- Viscosity: 1 - 150 mm²/s
- Indication range:
0,4 - 4 ... 8 - 100 l/min water
- p_{max}: 16 bar; t_{max}: 100 °C
- Connection:
G ¼ ... G 1 ½ female;
¼" ... 1 ½" NPT
- Material:
brass, stainless steel



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Application

The KOBOLD flow indicators DAA can be installed in pipe-works for fluids. The DAA are available with both sides female threads in brass or stainless steel. The medium flow is indicated by a plastic rotor installed inside a hard glass body (borosilicate glass).

Most types of known flow indicators suffer problems of indicator visibility with use. These problems are the result of dirt build-up on the viewing windows of these devices. By installing the KOBOLD flow indicator DAA, these problems are avoided.

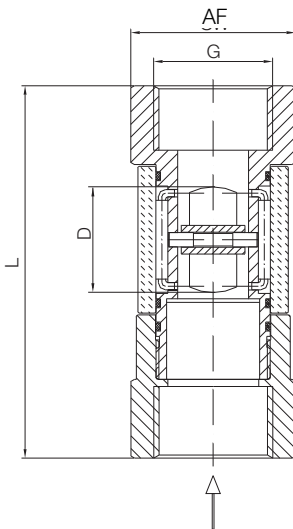
With a twist of 180° of the sight glass, integral wipers clean the viewing area do allow unobstructed observation of the rotor. The offending contaminants are then simply washed away by the medium flow. The device is kept tight and rotatable by hand by the use of low friction O-rings.

Technical Details

Material

- Housing: nickel plated brass (DAA-11..) stainless steel 1.4305 (DAA-12..)
- Inlet: nickel plated brass (DAA-11..) stainless steel 1.4305 (DAA-12..)
- Sight glass: borosilicate glass
- O-Rings: NBR (DAA-11..) FPM (DAA-12..)
- Orifice: nickel plated brass (DAA-11..) stainless steel 1.4301 (DAA-12..)
- Rotor: POM (DAA-11..) PTFE (DAA-12..)
- Rotor spindle: stainless steel 1.4305
- Support bars: nickel plated brass (DAA-11..) stainless steel 1.4305 (DAA-12..)
- Wiper carrier: stainless steel 1.4310
- Wiper: Polyolefin (DAA-11..) FPM (DAA-12..)

Dimensions



Model	Nominal size DN [mm]	Female thread G	Female thread NPT	Total length L [mm]	Width across flats AF [mm]	Rotor-diameter D [mm]
DAA-...01H	8	1/4	1/4"	71	36	23
DAA-...02H	10	3/8	3/8"	71	36	23
DAA-...03H	15	1/2	1/2"	86	46	29.5
DAA-...04H	20	3/4	3/4"	94	46	29.5
DAA-...05H	25	1	1"	104	46	29.5
DAA-...06H	32	1 1/4	1 1/4"	120	65	37.6
DAA-...07H	40	1 1/2	1 1/2"	130	65	37.6

Order Details (Example: DAA-1101H R08)

DN	Indication range Water [l/min]	Δ P at Q _{max} [bar]	P _{max} [PN]	t _{max} [°C]	Weight [kg]	Model		Connection thread	
						Nickel plated brass with rotor/wipers	Stainless steel with rotor/wipers	G	NPT
1/4"	0,4 - 4	0.25	16	100	0.3	DAA-1101H..	DAA-1201H..	R08	N08
3/8"	0,6 - 8	0.25	16	100	0.28	DAA-1102H..	DAA-1202H..	R10	N10
1/2"	1 - 12	0.25	16	100	0.6	DAA-1103H..	DAA-1203H..	R15	N15
3/4"	1 - 25	0.25	16	100	0.65	DAA-1104H..	DAA-1204H..	R20	N20
1"	1,6 - 40	0.25	16	100	0.7	DAA-1105H..	DAA-1205H..	R25	N25
1 1/4"	8 - 80	0.25	16	100	1.5	DAA-1106H..	DAA-1206H..	R32	N32
1 1/2"	8 - 100	0.25	16	100	1.6	DAA-1107H..	DAA-1207H..	R40	R40