



Flow Indicator for Liquid with self-cleaning Mechanism



measuring
•
monitoring
•
analysing



- 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 1/4... G 1 1/2 female;
1/4... 1 1/2 NPT
- Material:
brass, stainless steel

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Model:
DAA



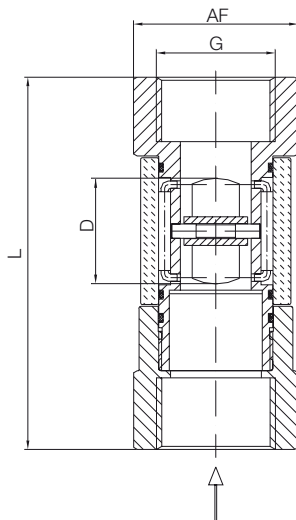
Application

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

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.

Dimensions



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..)

| Model | Standard size DN [mm] | Female thread G | Female thread NPT | Total length L [mm] | Spanner size 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 | Op at Q _{max} | P _{max} | t _{max} | Weight | Model | | Connection thread | |
|--------|------------------|------------------------|------------------|------------------|--------|------------------------------------|-----------------------------------|-------------------|-----|
| | | | | | | Nickel pl. 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 | N40 |