



Rotor Flow Indicator for Fluids



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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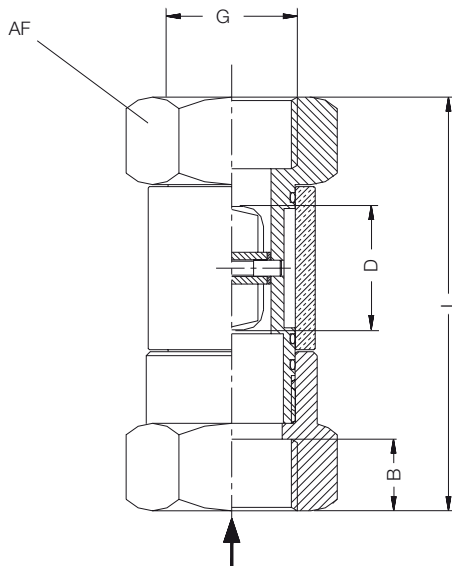
Model:
DAH



Application

The KOBOLD Flow Indicators DAH are used for mounting in pipes for fluids. The instruments are equipped with female threads at inlet and outlet and can be supplied with either brass or stainless steel fittings.

Dimensions



Materials

- Housing: brass nickel plated (DAH-x1..) stainless steel 1.4305 (DAH-x2..)
- Inlet: brass nickel plated (DAH-x1..) stainless steel 1.4305 (DAH-x2..)
- Sight glass: borosilicate glass
- O-rings: NBR (DAH-x1..) FPM (DAH-x2..)
- Rotor: POM (DAH-x1..) PTFE (DAH-x2..)
- Rotor axle: stainless steel 1.4305

| | Standard size DN [mm] | Female thread G | Female thread NPT | Thread length B DIN 3852 [mm] | Total length L [mm] | Spanner size AF [mm] |
|-----------|-----------------------|-----------------|-------------------|-------------------------------|---------------------|----------------------|
| DAH-..01H | 8 | 1/4 | 1/4 | 12 | 71 | 36 |
| DAH-..02H | 10 | 3/8 | 3/8 | 12 | 71 | 36 |
| DAH-..03H | 15 | 1/2 | 1/2 | 14 | 86 | 46 |
| DAH-..04H | 20 | 3/4 | 3/4 | 16 | 94 | 46 |
| DAH-..05H | 25 | 1 | 1 | 18 | 104 | 46 |
| DAH-..06H | 32 | 1 1/4 | 1 1/4 | 20 | 120 | 65 |
| DAH-..07H | 40 | 1 1/2 | 1 1/2 | 22 | 130 | 65 |

Flow Indicator with Rotor

Order Details (Example: DAH-1101H R08)

| DN | Indication range [L/min] water | Δp at Q_{max} [bar] | p_{max} PN | t_{max} °C | Weight [kg] | Model | | Connection thread | |
|--------|--------------------------------|-------------------------------|--------------|--------------|-------------|--------------------------------|----------------------------|-------------------|-----|
| | | | | | | brass nickel-plated with rotor | stainless steel with rotor | G | NPT |
| 1/4" | 0.4 - 4 | 0.25 | 16 | 100 | 0.3 | DAH-1101H.. | DAH-1201H.. | R08 | N08 |
| 3/8" | 0.6 - 8 | 0.25 | 16 | 100 | 0.28 | DAH-1102H.. | DAH-1202H.. | R10 | N10 |
| 1/2" | 1 - 12 | 0.25 | 16 | 100 | 0.6 | DAH-1103H.. | DAH-1203H.. | R15 | N15 |
| 3/4" | 1 - 25 | 0.25 | 16 | 100 | 0.65 | DAH-1104H.. | DAH-1204H.. | R20 | N20 |
| 1" | 1.6 - 40 | 0.25 | 16 | 100 | 0.7 | DAH-1105H.. | DAH-1205H.. | R25 | N25 |
| 1 1/4" | 8 - 80 | 0.25 | 16 | 100 | 1.5 | DAH-1106H.. | DAH-1206H.. | R32 | N32 |
| 1 1/2" | 8 - 100 | 0.25 | 16 | 100 | 1.6 | DAH-1107H.. | DAH-1207H.. | R40 | N40 |

Flow Indicator without Rotor

Order Details (Example: DAH-2201H R08)

| DN | Q_N [L/min] | Δp at Q_N [bar] | p_{max} PN | t_{max} °C | Weight [kg] | Model | | Connection thread | |
|--------|---------------|---------------------------|--------------|--------------|-------------|-----------------------------------|-------------------------------|-------------------|-----|
| | | | | | | brass nickel-plated without rotor | stainless steel without rotor | G | NPT |
| 1/4" | 8.3 | 0.2 | 16 | 100 | 0.3 | DAH-2101H.. | DAH-2201H.. | R08 | N08 |
| 3/8" | 11.1 | 0.2 | 16 | 100 | 0.28 | DAH-2102H.. | DAH-2202H.. | R10 | N10 |
| 1/2" | 31.5 | 0.2 | 16 | 100 | 0.57 | DAH-2103H.. | DAH-2203H.. | R15 | N15 |
| 3/4" | 38.0 | 0.2 | 16 | 100 | 0.62 | DAH-2104H.. | DAH-2204H.. | R20 | N20 |
| 1" | 36.5 | 0.2 | 16 | 100 | 0.65 | DAH-2105H.. | DAH-2205H.. | R25 | N25 |
| 1 1/4" | 125 | 0.2 | 16 | 100 | 1.5 | DAH-2106H.. | DAH-2206H.. | R32 | N32 |
| 1 1/2" | 125 | 0.2 | 16 | 100 | 1.6 | DAH-2107H.. | DAH-2207H.. | R40 | N40 |