



UK Flowtechnik

Specialists in flow metering, pumps, couplings
and process measurement equipment

PRODUCT DATASHEET



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H & J Series High Temperature Flowmeter



For higher temperature applications such as thermal or heat transfer fluids, high performance gear boxes and boilers the H & J Series provides an in-line solution for direct reading of the flow rate without any additional powered requirements. They offer the simplicity of the B Series and by using special materials such as PTFE and Pyrex can withstand fluid temperatures of up to 315°C.

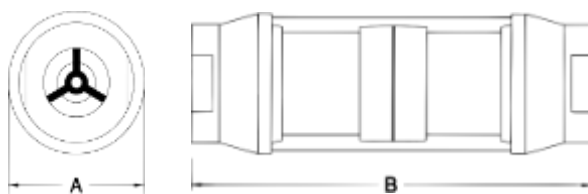
Features & Benefits

- Temperature up to 315 °C
- Measurement in forward and reverse direction (Bi option)
- Linearity 4% of full scale
- Up to 414 Bar pressure rating
- Scales for water and oil
- Viscosity compensated up to 110 cSt
- Horizontal or vertical mounting

Technical Data

Body Material	Anodised Aluminium, Brass or 304 Stainless Steel
Orifice, Cone & Spring Material	Stainless Steel
Seals	Viton/PTFE (H series), PTFE/PTFE (J series)
Window Material	Pyrex (PTFE seal)
Linearity	+/- 2% FSD
Maximum Viscosity	110 cSt
Max Pressure (Bar)	241 Bar (Aluminium & Brass), 414 Bar (Stainless Steel) (derated over 150°C)
Max Temperature (°C)	204 °C (H series), 315 °C (J series)

Dimensional Data



	Series 3	Series 4	Series 5	Series 5 (with 2" ports)
A	48	60	90	
B	167	182	258	322

Ordering Information

H 4 A - 6 W D - 30 -

Style

Hi-Temp Max 204 °C **H**

Hi-Temp Max 315 °C **J**

Meter Size Code (Inches)

1/4" to 1/2" **3**

3/4" to 1" **4**

1.1/4" to 2" **5**

Material

Aluminium **A**

Brass **B**

Stainless Steel **S**

Pressure rating

41 Bar (Air/Gas Aluminium & Brass) **4**

69 Bar (Air/Gas Stainless Steel) **5**

241 Bar (Liquid Aluminium & Brass) **6**

414 Bar (Liquid Stainless Steel) **7**

Fluid

Air & Gases **A**

Oil @ 0.873 SG **H**

Water @ 1.0 SG **W**

**Thread Type/
Porting female**

1/4" NPT **S** 3 Only

3/8" NPT **A** 3 Only

1/2" NPT **B** 3 Only

3/4" NPT **C** 4 Only

1" NPT **D** 4 Only

#6 SAE **E** 3 Only

#8 SAE **F** 3 Only

#10 SAE **G** 4 Only

#12 SAE **H** 4 Only

#16 SAE **J** 4 Only

1.1/4" NPT **K** 5 Only

1.1/2" NPT **L** 5 Only

2" NPT **M** 5 Only

#20 SAE **N** 5 Only

#24 SAE **P** 5 Only

#32 SAE **Q** 5 Only

1/4" BSPP **&** 3 Only

3/8" BSPP **R** 3 Only

1/2" BSPP **T** 3 Only

3/4" BSPP **U** 4 Only

1" BSPP **V** 4 Only

1.1/4" BSPP **W** 5 Only

1.1/2" BSPP **Y** 5 Only

2" BSPP **X** 5 Only

Style

Standard Uni-Directional **--**

Bi-directional* **BI**

Reverse Flow Option **RF**

*Not all flow ranges are available with Bi-directional and Reverse flow options. Please consult Flowtechnik for availability and delivery time

Flow Range l/min	Flow Range SCFM	For Sizes
0.5-4	2-12	01 3 Only
1-8	4-23	02 3 and 4
2-19	5-50	05 3 and 4
5-37.5	10-100	10 3 and 4
5-55	25-150	15 3 and 4
10-75	20-215	20 4 Only
10-95	20-250	25 4 and 5
15-115	30-330	30 4 Only
20-150	30-400	40 4 Only
20-190	40-500	50 4 Only
30-280	30-750	75 5 Only
50-375	150-900	88 5 Only
100-550	150-1300	99 5 Only

Note: SAE porting not available in Brass. Consult factory for SAE brass meter requirements.