



UK Flowtechnik

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

PRODUCT DATASHEET

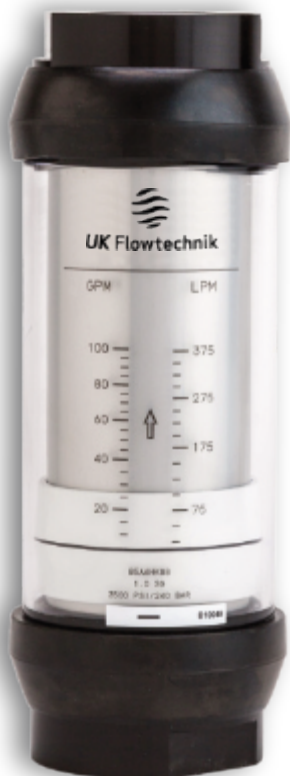


UK Flowtechnik Ltd
1 Central Park
Lenton Lane
Nottingham
NG7 2NR
United Kingdom

Phone +44 (0) 11 59 01 71 11
UK Free Phone 0800 4334 770
Fax +44 (0) 11 59 86 88 75

sales@ukflowtechnik.com
www.ukflowtechnik.com

B Series Basic Inline Flowmeter



The B Series meters are the 'go to' flowmeters in our range for industrial hydraulic oil and cooling water measurement. These simple and robust meters offer a unique and easy to read scaling system that can be rotated to be viewed from the best angle, a choice of Aluminium, Brass or Stainless Steel bodies and pressure ratings up to 414 Bar. Aluminium tends to be used for lower pressure hydraulics, bearing lubrication and jacking circuits, with Stainless Steel for high pressure hydraulics, Brass, generally is exclusively for water. Although all combinations have scales for both water and oil with SG's of 0.9 for mineral and synthetic oils and 1.0 for water and water/glycol fluids. Whether it is a small hydraulic power pack, tractor, moulding machine, earth mover or gear box, the B Series excels in diagnostics and monitoring.

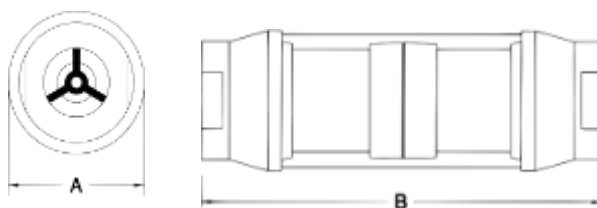
Features & Benefits

- Linearity 2% 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	Buna-N (EPR, Viton or FFKM optional)
Window Material	Polycarbonate (Buna-N seal)
Linearity	+/- 2% FSD
Maximum Viscosity	110 cSt
Max Pressure (Bar)	241 Bar (Aluminium & Brass), 414 Bar (Stainless Steel)
Max Temperature (°C)	116°C

Dimensional Data



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

Ordering Information

B 4 A - 6 H V - 50 -

Style

Basic In-line **B**

**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 **--**

Reverse Flow Option **RF**

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**

Flow Range

l/min	For Sizes
0.5-4	01 3 Only
1-8	02 3 and 4
2-19	05 3 and 4
5-37.5	10 3 and 4
5-55	15 3 and 4
10-75	20 4 Only
10-95	25 4 and 5
15-115	30 4 Only
20-150	40 4 Only
20-190	50 4 Only
30-280	75 5 Only
50-375	88 5 Only
100-550	99 5 Only

Pressure rating

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

414 Bar (Stainless Steel) **7**

Fluid

Oil @ 0.873 SG **H**

Water @ 1.0 SG **W**

Note: SAE porting not available in Brass.

Consult factory for SAE brass meter requirements.