



UK Flowtechnik

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

PRODUCT DATASHEET



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P Series Phosphate Ester Flowmeters



The P Series is a version of the B Series specifically designed for Phosphate Esters such as Skydrol and Hyjet, as well as fire-retardant fluids such as Pydraul, Fyrquel and Houghton 900 series. Typically these liquids are harsh on plastics and elastomers used in the construction of flowmeters, by replacing them with better materials such as PTFE, Pyrex, EPDM, FFKM and new scales based on a SG of 1.145 it is now suitable for use on all types of aerospace, mining, tunnelling and gas turbine hydraulic system.

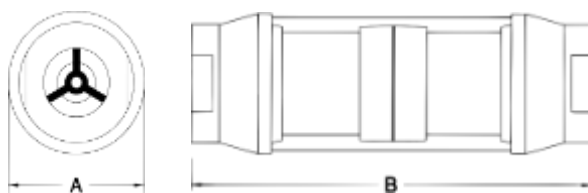
Features & Benefits

- Special scales for Ester based hydraulic fluids
- Linearity 2% of full scale
- Up to 414 Bar pressure rating
- 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	EPR/PTFE (FKM, FFKM option)
Window Material	Pyrex (PTFE 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

P 5 A - 6 W Y - 75 -

Style

Phosphate Ester **P**

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

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

414 Bar (Stainless Steel) **7**

Fluid

Phosphate Ester @ 1.145 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 **--**

Reverse Flow Option **RF**

Flow Range

l/min	For Sizes
0.5-3.75	01 3 Only
1-7	02 3 and 4
2-17	05 3 and 4
3-35	10 3 and 4
4-52	15 3 and 4
5-70	20 4 Only
10-85	25 4 and 5
10-105	30 4 Only
15-135	40 4 Only
25-175	50 4 Only
20-180	75 5 Only
50-350	88 5 Only
180-500	99 5 Only

Note: SAE porting not available in Brass.

Consult factory for SAE brass meter requirements.