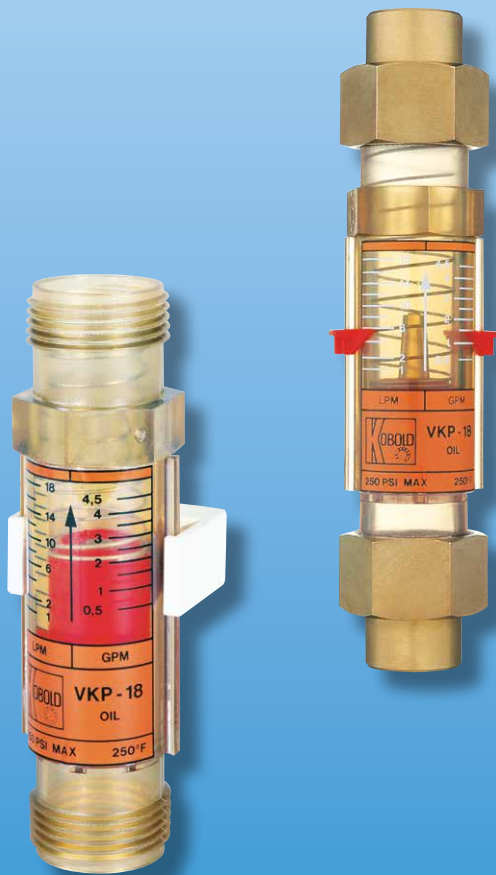


Viscosity Compensated Plastic Flowmeter and Switch for Liquids



measuring
•
monitoring
•
analyzing

VKP



- Flow Ranges: 0.5...5 to 5...26 GPM (Water)
0.5...4.5 to 3...20 GPM (Oil)
- Temperature Max: 250 °F
- Pressure Max: 230 PSI
- ±5% Full Scale Accuracy
- 1" MNPT Fitting Standard
- Universal Mounting
- Direct Reading Scales for Oil or Water



KOBOLD companies worldwide:

ARGENTINA, AUSTRALIA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CHILE, CHINA, COLOMBIA, CZECH REPUBLIC, EGYPT, FRANCE, GERMANY, HUNGARY, INDIA, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, REPUBLIC OF KOREA, ROMANIA, SINGAPORE, SPAIN, SWITZERLAND, TAIWAN, THAILAND, TUNISIA, TURKEY, UNITED KINGDOM, USA, VIETNAM

KOBOLD Instruments, Inc.
1801 Parkway View Drive
Pittsburgh, PA 15205
Main Office:
1.800.998.1020
1.412.788.4890
info@koboldusa.com
www.koboldusa.com



Viscosity Compensated Plastic Flowmeter and Switch Model VKP

Description

KOBOLD's plastic VKP flowmeters and switches are used wherever inexpensive flow measurement of liquids (eg. domestic services, cooling water, lubrication systems, solar heating, etc.) is needed. The VKP series offers a compact design with wetted parts of polysulfone and stainless steel. The liquid flow rate is easily read at the upper edge of the float. Its low cost and features also make the VKP series an ideal choice for many OEM applications.

Specifications

Accuracy:

4000 & 5000 Series: $\pm 5\%$ of Full Scale

6000 Series: $\pm 7\%$ of Full Scale

Flow Media:

Oil, Water and Other Liquids

Mounting:

Universal, Without Recalibration

Measuring Principle:

Float, Spring Loaded

Max. Temperature:

250 °F (185 °F Max. with Switch)

Max. Pressure:

230 PSI

Connections:

1" MNPT

Weight:

0.12 Lbs. (w/1" NPT Connections)

Wetted Materials

Housing:

Polysulfone

Float:

Polysulfone

Spring:

301 SS

Retaining Ring:

PH 15-7 Mo SS

Sealing Gaskets:

Klinger-SIL (Units w/Union Fittings)

Switch Contact:

N/O Reed Contact, Bi-stable

Max. 40 W / 40 VA

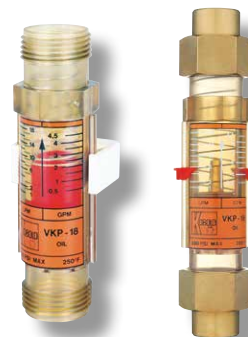
Max. 230 VAC / VDC

Max. 2 A

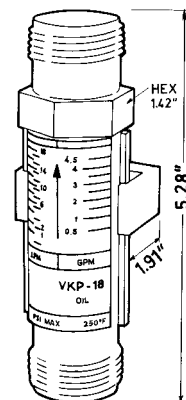
(No Single Value to be Exceeded)

Electrical Connection:

DIN 43 650 C w/Cable Gland



Dimensions



Order Details (Example: VKP-5018 N115)

Flowmeter with Water Scale			Flowmeter with Oil Scale			Flowmeter for Contaminated Liquids (Particle Size < 400µ)		
Range Water (GPM)	Press. Drop Max. (PSI)	Model	Range Oil (GPM)	Press. Drop Max. (PSI)	Model	Range Water (GPM)	Press. Drop Max. (PSI)	Model
0.5...5.0	0.45	VKP-4020	0.5...4.5	1.60	VKP-5018	2.0...8.0	0.75	VKP-6032
2.0...9.0	1.20	VKP-4035	0.5...8.0	3.65	VKP-5030	3.0...12	1.75	VKP-6045
2.0...13	3.80	VKP-4050	2.0...12	6.70	VKP-5045	4.0...18	4.95	VKP-6070
3.0...20	10.9	VKP-4080	3.0...20	11.6	VKP-5075	5.0...26	9.45	VKP-6100
5.0...26	6.60	VKP-4100						
Options (Add Suffix to Order Number)								
Suffix ..R = Adjustable Switch Contact VKP-4..., VKP-5... only Suffix ..D = Inverted Flow Direction (e.g. Top to Bottom Flow) Suffix ..N115 = 1/2" NPT, Male, Brass Union Fittings Suffix ..FN115 = 1/2" NPT, Female, Brass Union Fittings Suffix ..N120 = 3/4" NPT, Male, Brass Union Fittings Suffix ..N215 = 1/2" NPT, Male, SS Union Fittings Suffix ..FN215 = 1/2" NPT, Female, SS Union Fittings Suffix ..N220 = 3/4" NPT, Male, SS Union Fittings								