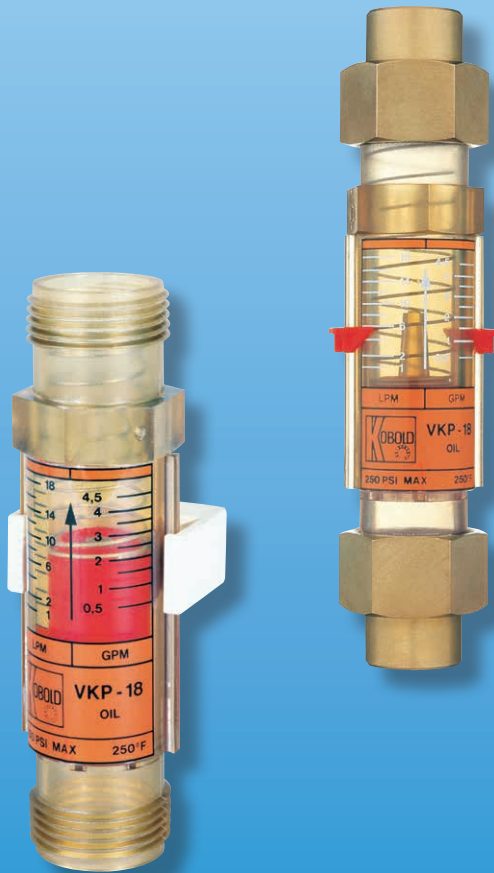


# Viscosity Compensated Plastic Flowmeter and Switch for Liquids



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:

Order from: **C A Briggs Company**

622 Mary Street; Suite 101; Warminster, PA 18974

Phone: 267-673-8117 - Fax: 267-673-8118

[Sales@cabriggs.com](mailto:Sales@cabriggs.com) - [www.cabriggs.com](http://www.cabriggs.com)

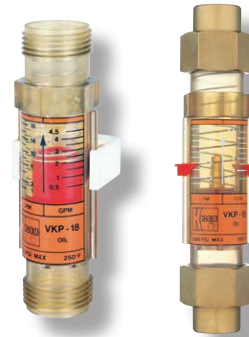
KOBOLD Instruments, Inc.  
1801 Parkway View Drive  
Pittsburgh, PA 15205



## Viscosity Compensated Plastic Flowmeter and Switch Model VKP

### Description

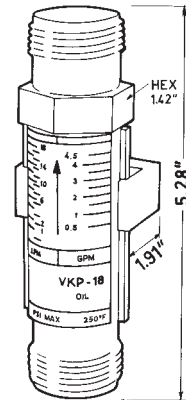
KOBOLD's plastic VKP flowmeters and switches are used wherever inexpensive flow measurement of liquids (eg. domestic services, cooling water, lubrication systems, solar heating, etc.) is needed. The VKP series offers a compact design with wetted parts of polysulfone and stainless steel. The liquid flow 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

<b>Accuracy:</b>	
4000 & 5000 Series:	±5% of Full Scale
6000 Series:	±7% of Full Scale
<b>Flow Media:</b>	Oil, Water and Other Liquids
<b>Mounting:</b>	Universal, Without Recalibration
<b>Measuring Principle:</b>	Float, Spring Loaded
<b>Max. Temperature:</b>	250 °F (185 °F Max. with Switch)
<b>Max. Pressure:</b>	230 PSI
<b>Connections:</b>	1" MNPT
<b>Weight:</b>	0.12 Lbs. (w/1" NPT Connections)
<b>Wetted Materials</b>	
Housing:	Polysulfone
Float:	Polysulfone
Spring:	301 SS
Retaining Ring:	PH 15-7 Mo SS
Sealing Gaskets:	Klinger-SIL (Units w/Union Fittings)
<b>Switch Contact:</b>	N/O Reed Contact, Bi-stable
	Max. 40 W / 40 VA
	Max. 230 VAC / VDC
	Max. 2 A
	(No Single Value to be Exceeded)
<b>Electrical Connection:</b>	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 < 400 µm)		
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	2.76	VKP-4020	0.5...4.5	4.21	VKP-5018	2.0...8.0	3.77	VKP-6032
2.0...9.0	4.42	VKP-4035	0.5...8.0	9.57	VKP-5030	3.0...12	6.09	VKP-6045
2.0...13	6.09	VKP-4050	2.0...12	14.94	VKP-5045	4.0...18	11.46	VKP-6070
3.0...20	13.63	VKP-4080	3.0...20	24.36	VKP-5075	5.0...26	16.68	VKP-6100
5.0...26	15.66	VKP-4100						
Options (Add Suffix to Order Number)								
<b>Suffix ..R</b> = Adjustable Switch Contact VKP-4..., VKP-5... only <b>Suffix ..D</b> = Inverted Flow Direction (e.g. Top to Bottom Flow) <b>Suffix ..N115</b> = 1/2" NPT, Male, Brass Union Fittings <b>Suffix ..FN115</b> = 1/2" NPT, Female, Brass Union Fittings <b>Suffix ..N120</b> = 3/4" NPT, Male, Brass Union Fittings <b>Suffix ..N215</b> = 1/2" NPT, Male, SS Union Fittings <b>Suffix ..FN215</b> = 1/2" NPT, Female, SS Union Fittings <b>Suffix ..N220</b> = 3/4" NPT, Male, SS Union Fittings								