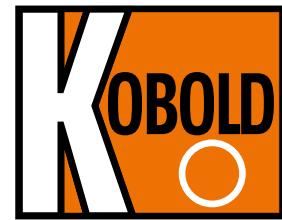


# Viscosity Compensated Plastic Flowmeter and Switch for Liquids



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:

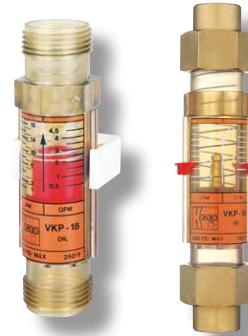
ARGENTINA, AUSTRALIA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CHILE, CHINA, COLOMBIA, CZECH REPUBLIC, EGYPT, FRANCE, GERMANY, HUNGARY, INDIA, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, REPUBLIC OF KOREA, ROMANIA, SINGAPORE, SPAIN, SWITZERLAND, TAIWAN, THAILAND, TUNISIA, TURKEY, UNITED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



## 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

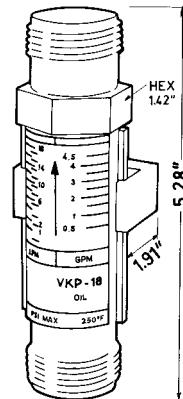
Max. 230 VAC / VDC

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	<b>VKP-4020</b>	0.5...4.5	1.60	<b>VKP-5018</b>	2.0...8.0	0.75	<b>VKP-6032</b>
2.0...9.0	1.20	<b>VKP-4035</b>	0.5...8.0	3.65	<b>VKP-5030</b>	3.0...12	1.75	<b>VKP-6045</b>
2.0...13	3.80	<b>VKP-4050</b>	2.0...12	6.70	<b>VKP-5045</b>	4.0...18	4.95	<b>VKP-6070</b>
3.0...20	10.9	<b>VKP-4080</b>	3.0...20	11.6	<b>VKP-5075</b>	5.0...26	9.45	<b>VKP-6100</b>
5.0...26	6.60	<b>VKP-4100</b>						

#### 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