

## OEM Viscosity Compensated Flowmeter



measuring  
•  
monitoring  
•  
analyzing

VKA



- Flow Ranges: 2...6.3 GPH to 8...26 GPM Oil
- Media Viscosity: 30...540 cSt
- Temperature Range: -13...212 °F
- Max. Pressure: 3600 PSIG
- All Brass Metal Bodies



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**OEM Viscosity Compensated Flowmeter Model VKA**

**Description**

Looking for a low cost viscosity compensated flowmeter? Look no further than the KOBOLD VKA line of meters! The VKA flowmeter combines proven and reliable construction with affordable pricing. Available for flow rates from 2 GPH to 26 GPM, the VKA is a viable alternative to the VKG and VKM series of flow metering products. Internal modifications reduce the pressure loss through the meter to 8 PSI, while still maintaining a compensated viscosity range of 30 to 540 cSt. Common uses include: lubrication circuits, paper manufacturing, hydraulics, extraction machines, and printing machines.

**Specifications**

- Base Accuracy:** ± 4% FS @ 105 cSt  
(Add ± 4% FS for Viscosity Changes within 30...540 cSt)
- Viscosity Range:** 30...540 cSt
- Repeatability:** ≤ 1%
- Pressure Loss:** 8 PSI @ Max Flow
- Fittings:** NPT Standard
- Wetted Parts:** Ni-Plated Brass, 301 SS, PTFE, Ceramic-Oxide, & NBR
- Temperature Range:** -13...212 °F
- Ambient Temp. Range:** -13...167 °F
- Maximum Pressure:** 3600 PSIG
- Flow Direction**
- Meter Versions:** Vertical Up or Horizontal  
(Specify horizontal flow direction when ordering, L or R)
- Switch Only:** As Desired
- Reed Contact:** Standard: N/O, Optional: SPDT  
Max. 230 VDC/0.26 A/60 W  
60 VDC/1 A/60 W  
Max. 240 VAC/0.42 A/100 W  
100 VAC/1 A/100 W  
cCSAus Approved
- Hysteresis:** Approx. 3.5 mm Float Movement
- Electrical Connection:** DIN 43 650 w/Cable Gland
- Ingress Protection:** IP54 Side Indicator  
IP65 Electrical Switch



**Order Details (Example: VKA-5102 U)**

Range		Fittings (NPT)	Model Number		
GPH Oil	GPM Oil		Switch Only	Meter Only	Meter & Switch
2...6.3	-	½"	VKA-5102	VKA-6102	VKA-7102
6...20	-	½"	VKA-5104	VKA-6104	VKA-7104
-	0.3...0.9	½"	VKA-5106	VKA-6106	VKA-7106
-	0.6...1.6	½"	VKA-5108	VKA-6108	VKA-7108
-	1.5...4.2	½"	VKA-5110	VKA-6110	VKA-7110
-	3.0...8.5	½"	VKA-5112	VKA-6112	VKA-7112
-	6...15	½"	VKA-5114	VKA-6114	VKA-7114
-	8...26	½"	VKA-5116	VKA-6116	VKA-7116
Options (Add Suffix to Order Number)					
<b>Suffix ..B</b> = ¾" NPT Connection Fittings					
<b>Suffix ..C</b> = ½" NPT Conduit Fitting for Electrical Connector					
<b>Suffix ..U</b> = SPDT Switch in Place of N/O Switch					