

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



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 - www.cabriggs.com

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



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: 1/2" NPT (Standard)

Material

Housing: Ni-Plated Brass
Fittings: Ni-Plated Brass
Orifice: 301 Stainless Steel
Spring: 301 Stainless Steel
Magnet: Ceramic-Oxide
Seal: 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		Model Number		
GPH Oil	GPM Oil	Switch Only	Meter Only	Meter & Switch
2...6.3	-	VKA-5102	VKA-6102	VKA-7102
6...20	-	VKA-5104	VKA-6104	VKA-7104
-	0.3...0.9	VKA-5106	VKA-6106	VKA-7106
-	0.6...1.6	VKA-5108	VKA-6108	VKA-7108
-	1.5...4.2	VKA-5110	VKA-6110	VKA-7110
-	3.0...8.5	VKA-5112	VKA-6112	VKA-7112
-	6...15	VKA-5114	VKA-6114	VKA-7114
-	8...26	VKA-5116	VKA-6116	VKA-7116
Options (Add Suffix to Order Number)				
Suffix ..B = 3/4" NPT Connection Fittings				
Suffix ..C = 1/2" NPT Conduit Fitting for Electrical Connector				
Suffix ..U = SPDT Switch in Place of N/O Switch				