



Plastic Flow Meters and Switches for Liquids



measuring
•
monitoring
•
analysing



- Measuring range:
Water or oil 1 - 15 to 10 - 150 L/min
- Accuracy: $\pm 5\%$ f. s
- p_{max} 10 bar, t_{max} 80 °C
- Connection: G 1 female
- Material: Polyester
- Installation position: Any



KOBOLD offices exist in the following countries:

ARGENTINA, AUSTRIA, BELGIUM, BRAZIL, CANADA, CHINA,
FRANCE, GERMANY, GREAT BRITAIN, ITALY, MEXICO, NETHER-
LANDS, PERU, POLAND, SWITZERLAND, USA, VENEZUELA

KOBOLD Messring GmbH
Nordring 22-24
D-65719 Hofheim/Ts.
☎ +49(0)6192 299-0
Fax +49(0)6192 23398
E-Mail: info.de@kobold.com
Internet: www.kobold.com

Model:
SVK



Description

The flow meters of model SVK are remarkable for their simplicity and versatility. The flow rates of oil, water and liquids similar to water can thus be quickly measured and monitored. The SVK instruments operate on a very simple principle and are easy to mount. The medium flows through an annular opening created by the cylinder bore and the cone, and produces a pressure difference that forces the piston against a calibrated spring. The stroke of the piston is directly proportional to the flow rate.

Areas of Application

- Chemical industry
- Process engineering
- Solar technology
- Automobile industry
- Food industry

Limit contact

Type of contact: Magnetically operated dry-reed switch

Function: Monostable, N/O contact, for use as min. or max. contact only

Min. switching range:
 SVK-..01: Approximately 35% of Q_{max}
 SVK-..02 to SVK-..05: Approximately 20% of Q_{max}

Electrical connection: Plug with cable box

AC version: Minimum 50 mA at 110/240 V_{AC}
 Switch capacity: 1.5 A at 240 V_{AC}
 3.0 A at 110 V_{AC}

DC version: max 48 V_{DC}
 Switch capacity: 0.5 A at 48 V_{DC}

Technical Details

Housing body: Polyester

Indicator: Borosilicate glass

Cone: Acetal

Spring: Stainless steel

Seal: Nitrile

Max. operating pressure: 10 bar

Max. operating temperature: 60°C (water) 80°C (oil)

Viscosity range: 1 cSt. (water) or 10 to 200 cSt (oil)

Accuracy: ±5 % f. s.

Repeatability: ±1 % f. s.

Process connection: G 1 female thread

Weight: 0.4 kg

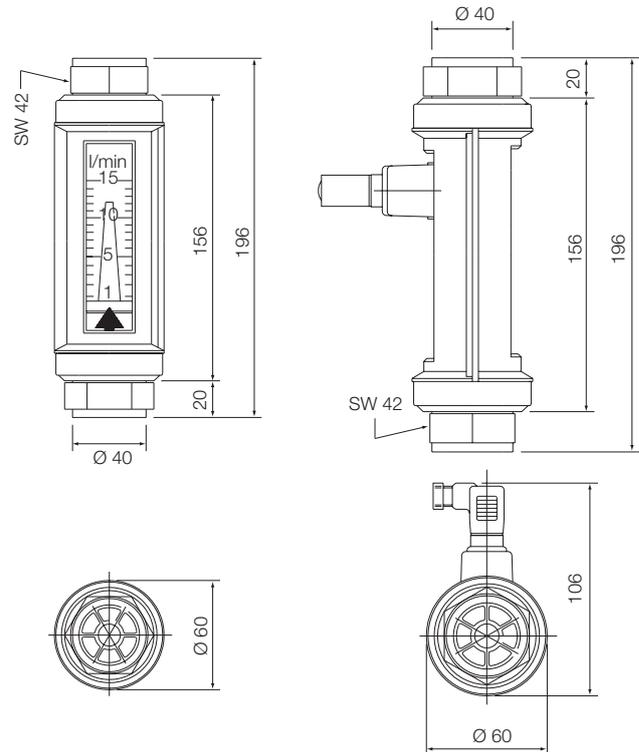
Overall length: 196 mm

Marking: Oil = red, water = yellow

Dimensions

Without contact

With contact



Order Details

Without limit contact			
Measuring range L/min	Connection	Medium water	Medium oil
1 - 15	G 1 female	SVK-1301	SVK-3301
2 - 30		SVK-1302	SVK-3302
4 - 50		SVK-1303	SVK-3303
5 - 100		SVK-1304	SVK-3304
10 - 150		SVK-1305	SVK-3305

With limit contact				
Meas. range L/min	Connection	Medium water	Medium oil	Contact
1 - 15	G 1 female	SVK-2301	SVK-4301	AC= 110/240 V _{AC} DC= max. 48 V _{DC}
2 - 30		SVK-2302	SVK-4302	
4 - 50		SVK-2303	SVK-4303	
5 - 100		SVK-2304	SVK-4304	
10 - 150		SVK-2305	SVK-4305	