

Economical Micro Flowmeter



measuring
•
monitoring
•
analyzing

KSV



- $\pm 6\%$ Full Scale Accuracy
- $\pm 1\%$ Full Scale Repeatability
- Polysulfone Version has Excellent Resistance to Acids and Alkaline Solutions
- Polysulfone Version can be Sterilized, Max. 250°F
- Compact
- Convenient Panel Mountability
- Easy to Read and to Install



KOBOLD companies worldwide:

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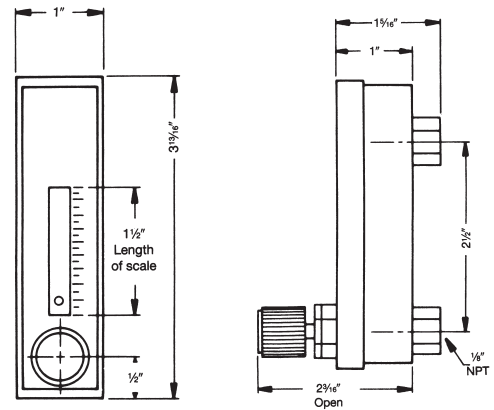
Economical Micro Flowmeter Model KSV

Description

The KOBOLD KSV flowmeter measures and controls low volume flows of water or air. It has a plastic body with metal fittings and is kept leak tight through the use of O-ring seals. The floats are either stainless steel, glass, or titanium. Though the float types are determined by measuring range, the plastics for the body and metals for the fittings are not. The KSV comes with or without a needle valve. We recommend that the needle valve version be used to help stabilize the float during introduction of media (particularly gases) into the flowmeter. As is typical for needle valves, complete shut-off cannot be achieved and if shutoff is desired, we recommend the installation of a shutoff valve upstream of the KSV.



Dimensions



Specifications

Connections:	1/8" NPT, Female
Measuring Accuracy:	±6% of Full Scale
Repeatability:	±1% of Full Scale
Operating Pressure:	Max. 87 PSI
Flow Media:	Liquids or Gases
Measuring Principle:	Float
Mounting:	Vertical, Up

Material Combinations

	Housing	Connection	O-rings	Temperature Range
I	Polycarbonate	Brass	NBR	-4...140 °F
II	Polycarbonate	303 SS	FKM	-4...140 °F
III	Polysulfone	Brass	NBR	-4...248 °F
IV	Polysulfone	303 SS	FKM	-4...248 °F

Order Details (Example: KSV 3201 L)

Range Water (GPH)	Float Material	Model KSV with Needle Valve				Model KSV without Needle Valve				Range Air Add Suffix "L" (SCFH)
		Material Combination				Material Combination				
		I	II	III	IV	I	II	III	IV	
0.04...0.4	Glass	KSV-3101	KSV-3201	KSV-3301	KSV-3401	KSV-4101	KSV-4201	KSV-4301	KSV-4401	0.3...3
0.1...1.1	SS	KSV-3104	KSV-3204	KSV-3304	KSV-3404	KSV-4104	KSV-4204	KSV-4304	KSV-4404	0.5...5
0.1...0.5	Glass	KSV-3106	KSV-3206	KSV-3306	KSV-3406	KSV-4106	KSV-4206	KSV-4306	KSV-4406	1...10
0.5...4.5	SS	KSV-3116	KSV-3216	KSV-3316	KSV-3416	KSV-4116	KSV-4216	KSV-4316	KSV-4416	2...20
1.0...10	Titanium	KSV-3135	KSV-3235	KSV-3335	KSV-3435	KSV-4135	KSV-4235	KSV-4335	KSV-4435	5...50
2.0...20	SS	KSV-3180	KSV-3280	KSV-3380	KSV-3480	KSV-4180	KSV-4280	KSV-4380	KSV-4480	10...100