

Variable-Area, Correlated

Cole-Parmer 150-mm Flowmeters

Longer 150-mm scale makes these flowmeters perfect for applications demanding high resolution

- Ceramic millimeter scale is fused directly to flowtube
- A vertical tangential locator line ensures hairline accuracy in reading float position
- 16-turn high-precision valve features a "nonrising stem" to more accurately set your desired flow point

Each flowmeter consists of a heavy-walled glass flowtube mounted in a frame with white acrylic back plate (1/8" thick). Aluminum flowmeters are economical and good for general use with noncorrosive gases and liquids. Brass flowmeters are economical and good for use with water.

The 316 stainless steel flowmeters feature excellent chemical compatibility. Select a flowmeter with a high-precision valve for superior flow rate control—ideal for low-flow applications, for metering samples, and calibration gases for gas analyzers.

All flowmeters come with correlation data sheets for water and air at standard temperature and pressure (STP). We can also supply calibration data for oxygen, nitrogen, hydrogen, helium, CO₂, argon, other liquids and gases, and for conditions other than STP—call our Application Specialists for more information.



Front shield magnifies the scale 16% for easy reading

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For pressure drop information for the flowmeters on this page, simply click on the Catalog Number and go to the "More Info" sidebar.

Specifications

- Accuracy:** ±2% full-scale
Repeatability: ±0.25% full-scale
Operating temperature: -15 to 250°F (-26 to 121°C)
Maximum pressure: 200 psi
Connections: 1/8" NPT(F)

Materials of Construction

Part	Aluminum	Brass	SS
Flowtube	Borosilicate glass		
Fittings, valves	Aluminum	Chrome-plated brass	316 SS
O-rings	Buna N		Viton®
Float	Glass, 316 SS, or carboloy		
Shield	Polycarbonate		
Frame	Aluminum/acrylic		

ISO9001:2000
SUPPLIER CERTIFIED



Ordering Information

Maximum flow rate (mL/min) [†]								Float [‡]	Correlated meters without valves		
H ₂ O*	Air*	O ₂	N ₂	H ₂	He	CO ₂	Ar		Aluminum Cat. no.	Brass Cat. no.	316 SS Cat. no.
0.19	18.7	17	20	37	16	23.6	15.4	G	KH-03267-00	KH-03269-50	KH-03269-01
0.53	49.1	42	48	94	46.2	56.4	43.5	G	KH-03267-04	KH-03269-54	KH-03269-05
0.85	92	81	92	208	90.1	103.1	75.6	G	KH-03267-08	KH-03269-58	KH-03269-09
0.94	73.1	54	62	123	53	72	49	SS	KH-03267-02	KH-03269-52	KH-03269-03
2.45	137	131	143	301	133	150	113	SS	KH-03267-06	KH-03269-56	KH-03269-07
4.74	264	233	271	627	283	281	218	SS	KH-03267-09	KH-03269-60	KH-03269-16
5.5	374	340	382	1021	450	355	305	G	KH-03267-15	KH-03269-62	KH-03269-18
16.5	825	772	827	2620	1490	725	687	G	KH-03267-16	KH-03269-66	KH-03269-17
20.4	817.1	753	824	2496	1290	728	676	SS	KH-03267-17	KH-03269-64	KH-03269-15
46	1682	1545	1662	5547	3397	1420	1380	SS	KH-03267-18	KH-03269-68	KH-03269-19
53.5	2313	2169	2395	7817	4880	2048	1949	G	KH-03267-20	KH-03269-70	KH-03269-21
84	3807	3485	3868	13,105	7803	3374	3151	G	KH-03267-24	KH-03269-74	KH-03269-25
130.4	4562	4341	4685	15,855	9770	3990	3903	SS	KH-03267-22	KH-03269-72	KH-03269-23
210	8678	8269	8916	29,840	19,426	7485	7366	G	KH-03267-28	KH-03269-78	KH-03269-29
217	7590	6992	7722	27,804	15,960	6308	6384	SS	KH-03267-26	KH-03269-76	KH-03269-27
506	16,737	15,710	17,021	59,996	38,576	14,051	14,131	SS	KH-03267-30	KH-03269-80	KH-03269-31
								Price			
High-flow flowmeters											
541	22,586	22,263	33,920	85,812	54,586	19,654	20,035	G	KH-03267-32	KH-03269-82	KH-03269-33
1288	41,512	39,567	43,000	159,699	113,034	36,788	37,550	SS	KH-03267-34	KH-03269-84	KH-03269-35
1881	59,494	54,902	59,580	221,872	146,500	54,163	56,044	C	KH-03267-36	KH-03269-86	KH-03269-37
								Price			

*Correlation data sheets for water and air are included with flowmeters.

[†]Flow rates are at standard temperature and pressure (70°F and 14.7 psi). Minimum flow rate is approx 10% of the maximum flow rate.

[‡]Float material key: G = glass, SS = 316 stainless steel, C = carboloy

Aluminum flowmeter without valve 03267-00