

Cole-Parmer® 65-mm Flowmeters with PTFE Components

Maintain integrity of high-purity applications

- Monitor and control easily with high-precision valve option
- Glass tube utilizes a fused ceramic scale for a precise, permanent measuring guide
- Vertical-tangential locator line provides readings with hairline accuracy
- Anodized aluminum frame protects the heavy-walled glass flowtube
- White acrylic backplate protects and enhances viewing in the protective frame



All flowmeters come with correlation data sheets for water and numerous gases (listed below) at standard temperature and pressure (STP).

Maximum flow rate (mL/min) [†]								Float [‡]	Flowmeters with valves	High-resolution valves
H ₂ O	Air	O ₂	N ₂	H ₂	He	CO ₂	Ar		Catalog number	Catalog number
0.084	8.3	7.1	8.5	15.3	7.9	10	7.7	Sa	GH-03216-50	GH-32044-50
0.55	48.7	46	51	99	47	59.2	38	G	GH-03216-52	GH-32044-52
0.98	72.3	72	78	150	71	90	63	Sa	GH-03216-55	GH-32044-55
1.75	104	94	113	284	99	122	86	G	GH-03216-57	GH-32044-57
3.44	159	147	167	435	157	181	131	Sa	GH-03216-60	GH-32044-60
2.6	202.1	189	215	502	211	221	174.2	G	GH-03216-62	GH-32044-62
4.7	300	279	312	788	327	307	257	Sa	GH-03216-65	GH-32044-65
20.5	986	970	1015	3218	1903	883	829	G	GH-03216-67	GH-32044-67
34	1299	1217	1321	4215	2606	1143	1095	Sa	GH-03216-70	GH-32044-70
36.7	1623	1575	1710	5470	2950	1500	1395	Sa	GH-03216-75	—
39.7	2040	1928	2091	6359	3470	1794	1784	G	GH-03216-77	GH-32044-77
61	2704	2522	2859	9130	4932	2314	2279	Sa	GH-03216-80	GH-32044-80
147	6318	5880	6380	21,712	13,750	5470	5290	G	GH-03216-82	GH-32044-82
217	8145	7640	8280	28,211	18,500	6980	6900	Sa	GH-03216-85	—
309	13,153	12,341	13,412	47,100	29,762	11,156	11,125	G	GH-03216-87	GH-32044-87
								Price		
High-flow flowmeters										
522	23,169	21,686	23,506	80,752	51,380	19,379	19,817	G	GH-03216-88	GH-32044-88
798	29,218	27,901	30,337	106,000	67,754	24,630	24,597	Sa	GH-03216-90	GH-32044-90
								Price		

[†]Flow rates are at standard temperature and pressure (70°F and 14.7 psi). [‡]Float material key: G = glass, Sa = sapphire



Front shield magnifies the scale 16% for easier reading

ISO9001:2008
CERTIFIED SUPPLIER



Specifications

Accuracy: ±5% full-scale for meters with rate of 0.084 mL/min H₂O ±2% full-scale for remaining

Repeatability: ±0.25% full-scale

Max pressure: 100 psi (6.9 bar)

Operating temp: -15 to 150°F (-26 to 65°C)

Connections: 1/8" NPT(F)

Cole-Parmer® Easy-View Correlated Flowmeters

View flow tube and float from either front or side

- Rotating shield magnifies tube for precise readings
- Dual-float models have higher flow rates and better than 20:1 turndown ratio



All meters include correlation charts for water and air; correlation charts for oxygen, nitrogen, hydrogen, carbon dioxide, and helium are available upon request. Inlet and outlet ports are located on the back of the flowmeter to keep tubing out of the way. Mount vertically or bench mount with tripod base 32465-50 (order separately at www.coleparmer.com).

Max flow rate (mL/min) [†]							Float(s) [‡]	Aluminum		316 SS	
H ₂ O	Air	O ₂	N ₂	H ₂	He	CO ₂		Cat. no.	Price	Cat. no.	Price
65-mm single-float flowmeters											
1.28	150	136	159	381	145	172	S	GH-32463-12		GH-32463-14	
6.00	400	368	420	1080	440	408	G	GH-32463-20		GH-32463-22	
30	1175	1116	1210	3748	1997	1046	S	GH-32463-32		GH-32463-34	
55	2500	2375	2550	9525	6725	2025	G	GH-32463-40		GH-32463-42	
146	5000	4750	5100	19,050	13,450	4050	SS	GH-32463-48		GH-32463-50	
150-mm single-float flowmeters											
0.55	50	48	53	102	48	61	G	GH-32464-00		GH-32464-02	
75	2950	2802	3009	11,239	7935	2389	S	GH-32464-36		GH-32464-38	
565	19,050	18,097	19,431	72,580	51,244	15,430	SS	GH-32464-52		GH-32464-54	
1415	46,200	43,890	47,124	176,022	124,278	37,422	SS	GH-32464-60		GH-32464-62	
2200	72,600	68,970	74,052	276,606	195,294	58,806	T	GH-32464-64		GH-32464-66	
150-mm dual-float flowmeters											
2.5	152	142	156	340	153	167	G/SS	GH-32466-00		GH-32466-02	
5.4	290	260	300	640	290	300	G/SS	GH-32466-04		GH-32466-06	
22.2	870	820	895	2175	1435	790	G/SS	GH-32466-08		GH-32466-10	
47.5	1700	1610	1745	5100	3535	1490	G/SS	GH-32466-12		GH-32466-14	
188	6500	6150	6650	23,400	14,600	5600	G/SS	GH-32466-20		GH-32466-22	
500	17,000	16,000	17,250	64,250	38,600	14,200	G/SS	GH-32466-24		GH-32466-26	

[†]Minimum flow rate is approximately 10% of the maximum flow rate using a single-float and 5% using a dual-float.
[‡]Float material key: G = glass, S = sapphire, SS = stainless steel, and T = tantalum.



65-mm flowmeter 32463-40 shown with tripod base 32465-50



Specifications

Media type: water, air, or gases

Accuracy:
65-mm flowmeters: ±5% full-scale
150-mm flowmeters: ±3% full-scale

Max pressure: 200 psi (13.7 bar)

Max operating temp: 200°F (93°C)

Connections: 1/8" NPT(F)