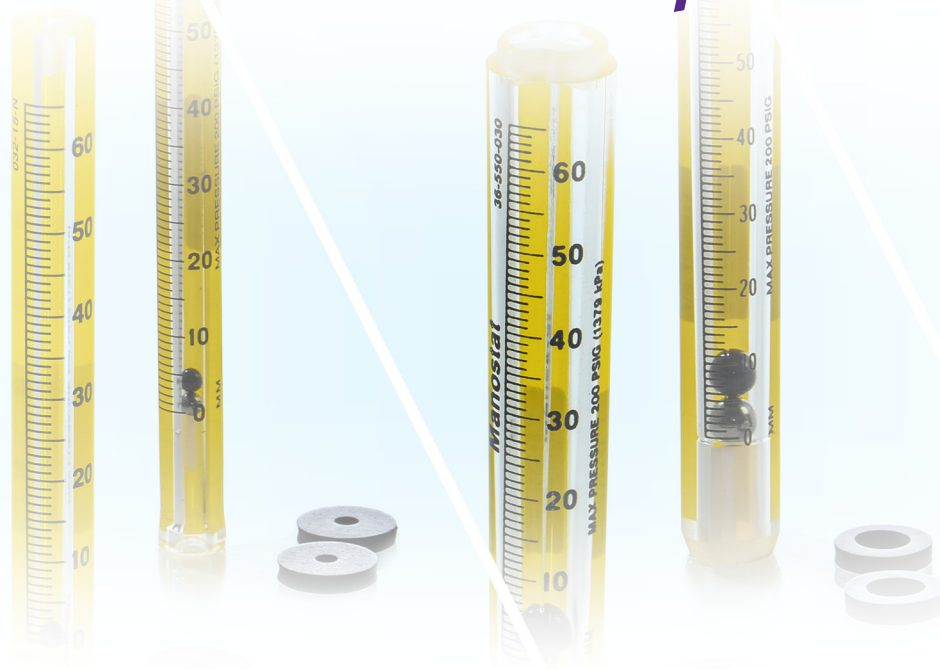


# *Flowmeters Tables of Standard Flow Capacities*



## Flowmeters Tables of Standard Flow Capacities

Flow capacities shown in the following tables are based on calibrations for air and water at standard conditions (21.1°C (70°F) and 14.7 psia/1 atm). Correlation data for other fluids is available as well as special sizes and floats. For further information contact Bel-Art Technical Support.

Useful metering ratios are 10:1 or better. 150mm flowmeters may be used with dual float combinations to increase metering ratio to 20:1. 65mm flowmeters are supplied with two different floats (which must be used separately) resulting in a 20:1 metering ratio.

Size No.	Float	65mm Air Flow Range ml/min	65mm Water Flow Range ml/min
1	G	0.75 to 5.77	0.01 to 0.07
	SS	1.40 to 16.67	0.02 to 0.28
2	G	2.80 to 48.70	0.01 to 0.55
	SS	8.10 to 145.00	0.10 to 2.38
3	G	13.10 to 202.10	0.18 to 2.64
	SS	45.00 to 522.00	0.76 to 12.01
4	G	28 to 1249	0.56 to 26.97
	SS	90 to 2520	3.73 to 70.67
5	G	853 to 6318	4 to 147
	SS	1973 to 12058	42 to 364
	C	N/A	N/A
6	G	1992 to 22575	36 to 522
	C	6082 to 58500	176 to 1866

Size No.	Float	150mm Air Flow Range ml/min	150mm Water Flow Range ml/min
1	G	1.8 to 23	0.02 to 31
	SS	6.4 to 73	0.09 to 1.25
2	G	21 to 37	0.23 to 5.5
	SS	36 to 814	1.11 to 20.40
3	G	185 to 2313	1.6 to 53.5
	SS	480 to 4562	9.4 to 130.4
4	G	333.4 to 8678	3 to 209.5
	SS	995.9 to 16737	18.8 to 506.3
5	G	545.3 to 23564	13.1 to 567.90
	SS	1790.0 to 44336	55.3 to 1369.90
	C	2897.3 to 65898	92.7 to 2108.70
6	G	N/A	N/A
	C	N/A	N/A

1 ml/min = .0021 cu. ft./hr.

Floats: G = Glass, SS = Stainless Steel, C = Carbonyl

## Maximum Flow Capacities for Routine Gases

150mm Flowtubes (Minimum flow x 10% maximum)

Size No.	Float	Argon		Carbon Dioxide		Helium	
		STD ml/min	SCFH	STD ml/min	SCFH	STD ml/min	SCFH
1	G	19	0.040	28	0.059	20	0.042
	SS	59	0.125	85	0.180	67	0.142
2	G	322	0.681	305	0.646	441	0.934
	SS	708	1.497	672	1.422	1297	2.745
3	G	1970	4.170	2070	4.390	4890	10.350
	SS	3965	8.400	4090	8.670	10040	21.200
4	G	7360	15.580	7390	15.650	19250	40.700
	SS	14060	29.770	13850	29.300	38800	82.350
5	G	19600	41.500	19460	41.200	52950	112.100
	C	51500	109.000	50200	106.500	149500	316.000

Size No.	Float	Hydrogen		Nitrogen		Oxygen	
		STD ml/min	SCFH	STD ml/min	SCFH	STD ml/min	SCFH
1	G	47	0.100	24	0.051	20	0.042
	SS	148	0.314	75	0.159	64	0.136
2	G	952	2.150	384	0.813	360	0.763
	SS	2480	5.250	846	1.790	791	1.675
3	G	7790	16.500	2360	4.990	2190	4.640
	SS	15450	32.700	4770	10.100	4405	9.320
4	G	29600	62.600	8960	18.960	8330	17.65
	SS	58200	123.200	16850	35.700	15800	33.40
5	G	94200	199.200	23600	49.900	21750	46.00
	C	221000	467.500	61600	130.500	57400	121.90

1 ml/min = .0021 cu. ft./hr.

Floats G = Glass, SS = Stainless Steel, C = Carbonyl

SCFH = Standard Cubic Feet per Hour

**Flow Charts for a Variety of Fluids and Gases are Available from Bel-Art – SP Scienceware,  
Call Our Technical Service Department at 1-800-423-5278**

© Copyright 2012 Bel-Art – SP Scienceware, Inc. All rights reserved. This information is presented in good faith. However, no warranty of any kind is made with respect to such information nor are any results guaranteed. Always read instructions for the products you are working with.