



## Riteflow® Flowmeter Kits

*Flowmeters and Accessories Neatly and Safely Packaged in a Carrying Case*

Riteflow® Kits are supplied with four interchangeable flow tubes which accommodate a wide flow range. The kit includes a bench mount frame with built-in valve, leveling base, mounting rods and clamps for ring stand use, floats and a cleaning kit. The cleaning kit contains cleaning solution anti-static agent, 284 g (10oz) Blow-Hard® Dust Remover, tweezers, a stiff brush, float stop hook and rod.

The PTFE Kit has PTFE parts for use with corrosive liquids and gases or for general lab use. Flow range is from 0.02-769.86ml per minute for water and from 1.8 to 23, 752ml per minute for air. Supplied with four 150mm flowtubes in sizes 1,2,3 and 4 along with nine floats.

CATALOG NO.	DESCRIPTION	PRICE/EACH
H40408-0000	PTFE® Kit	\$1,189.65

The Aluminum Kit is priced for economy in general lab use. Flow rates from 0.02 to 2108.70mL per minute for water and 1.8 to 65,898mL per minute for air. Supplied with four 150mm flowtubes in sizes 1,2,3, and 5 along with eight floats.

CATALOG NO.	DESCRIPTION	PRICE/EACH
H40409-0000	Aluminum Kit	\$952.80

## 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/l 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. 150 mm 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	150MM AIR FLOW RANGE ML/MIN	150MM WATER FLOW RANGE ML/MIN
1	G	0.75 to 5.77	0.01 to 0.07	1.8 to 23	0.02 to 31
	SS	1.40 to 16.67	0.02 to 0.28	6.4 to 73	0.09 to 1.25
2	G	2.80 to 48.70	0.01 to 0.55	21 to 374	0.23 to 5.5
	SS	8.10 to 145.00	0.10 to 2.38	36 to 814	1.11 to 20.40
3	G	13.10 to 202.10	0.18 to 2.64	185 to 2313	1.6 to 53.5
	SS	45.00 to 522.00	0.76 to 12.01	480 to 4562	9.4 to 130.4
4	G	28 to 1249	0.56 to 26.97	333.4 to 8678	3 to 209.5
	SS	90 to 2520	3.73 to 70.67	995.9 to 16737	18.8 to 506.3
	*C	N/A	N/A	1671.2 to 23752	32.46 to 769.86
5	G	853 to 6318	4 to 147	545.3 to 23564	13.1 to 567.90
	SS	1973 to 12058	42 to 364	1790.0 to 44336	55.3 to 1369.90
	C	N/A	N/A	2897.3 to 65898	92.7 to 2108.70
6	G	1992 to 22575	36 to 522	N/A	N/A
	C	6082 to 58500	176 to 1866	N/A	N/A

1 ml/min= .0021 ft.<sup>3</sup>/hr.

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

\*Included with PTFE Riteflow Kit only.

## Maximum Flow Capacities for Routine Gases

150mm Flowtubes (Minimum flow x 10% maximum)

SIZE NO.	FLOAT	ARGON		CARBON DIOXIDE		HELIUM		HYDROGEN		NITROGEN		OXYGEN	
		STD ML/MIN	SCFH	STD ML/MIN	SCFH	STD ML/MIN	SCFH	STD ML/MIN	SCFH	STD ML/MIN	SCFH	STD ML/MIN	SCFH
1	G	19	0.040	28	0.059	20	0.042	47	0.100	24	0.051	20	0.042
	SS	59	0.125	85	0.180	67	0.142	148	0.314	75	0.159	64	0.136
2	G	322	0.681	305	0.646	441	0.934	952	2.15	384	0.813	360	0.763
	SS	708	1.497	672	1.422	1297	2.745	2480	5.25	846	1.790	791	1.675
3	G	1970	4.17	2070	4.39	4890	10.35	7790	16.50	2360	4.99	2190	4.64
	SS	3965	8.40	4090	8.67	10040	21.20	15450	32.70	4770	10.10	4405	9.32
4	G	7360	15.58	7390	15.65	19250	40.70	29600	62.6	8960	18.96	8330	17.65
	SS	14060	29.77	13850	29.3	38800	82.35	58200	123.2	16850	35.7	15800	33.40
	*C	19760	41.86	19290	40.8	56000	118.50	83400	176.5	23600	49.9	22350	47.03
5	G	19600	41.5	19460	41.2	52950	112.1	94200	199.2	23600	49.9	21750	46.0
	C	51500	109.0	50200	106.5	149500	316.0	221000	467.5	61600	130.5	57400	121.9

1 ml/min= .0021 ft.<sup>3</sup>/hr.

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