

7910 Series

GLASS TUBE

70 flow ranges in 7 tube sizes makes these 250 mm scale glass tube, 304 Stainless steel case models one of our largest series. Dual port connections (both horizontal and vertical on each end) allow for a variety of installation options.



DESCRIPTION

Metering Tube	Borosilicate Kinglass
Internal Components	Standard: 316L SS Optional: Hastelloy C-276
Fitting Material	Standard: 316L SS Optional: PVC (vertical connections only)
Inlet/Outlet Fittings	NPT or flange, vertical or horizontal 360° fully rotatable
O-Ring	Standard: Viton Optional: Buna N, EPR, and Kalrez
Case and Covers	304 SS case Polycarbonate shield

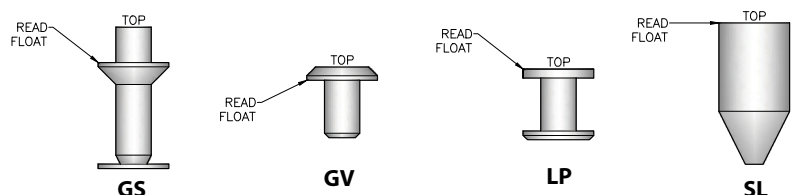
PERFORMANCE

Capacities	Water 0.22 to 132 GPM Air 0.9 to 350 SCFM
Scale	250mm (10") direct reading, detachable
Accuracy	± 2% of full scale flow
Turndown	10:1
Repeatability	0.5 %
Maximum Temperature	316L SS fittings 200° F (93° C) PVC fittings 115° F (46° C)
Maximum Pressure	316L SS fittings 300 psig, size 3 & 4 316L SS fittings 250 psig, size 5 & 6 316L SS fittings 150 psig, size 8 316L SS fittings 125 psig, size 9 PVC fittings 150 psig, size 3,4,5,6 & 8 PVC fittings 125 psig, size 9
Ambient Temperature	33° F to 125° F (1° C to 52° C)

OPTIONS

Alarm	Latching Reed Switch (Page 55)
Certified Calibrations	Conform to ISA RP 16.6
Scales	Any volumetric unit

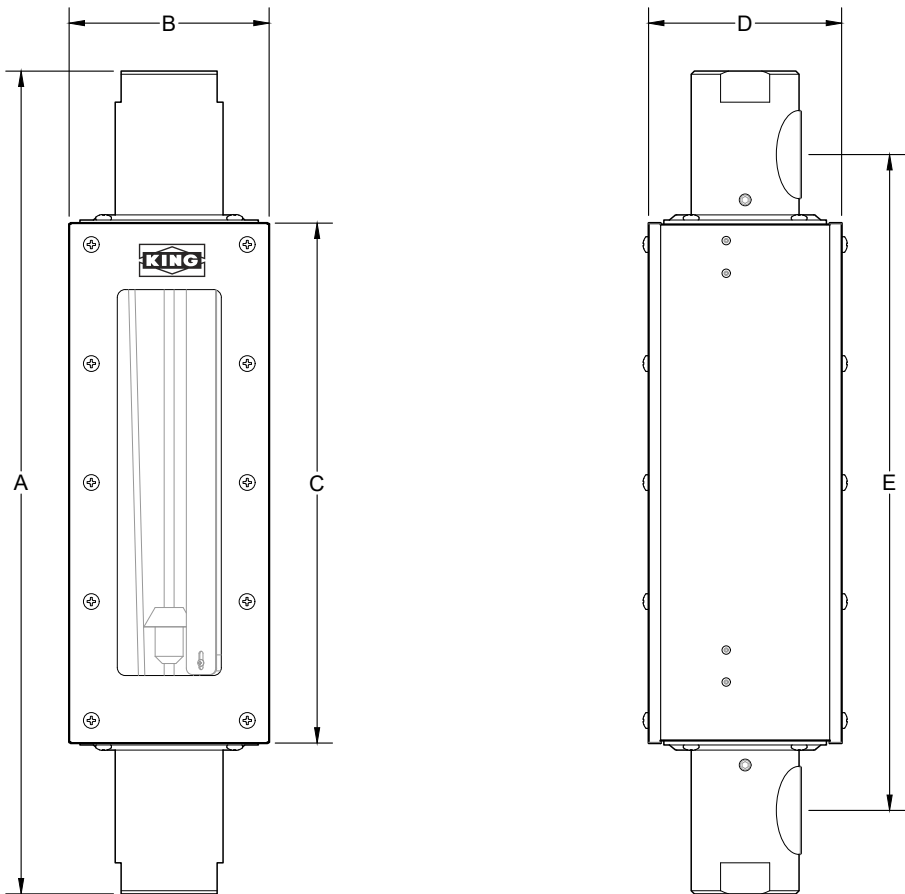
FLOATS



7910 Specifications

GLASS TUBE

DIMENSION DIAGRAMS



Order Number	Dimensions (Inches)					Connection Size FNPT
	A	B	C	D	E	
31 - 46	19.85	3.125	14.45	3.125	17.50	1/2" (FNPT) Flange connection are also available. Contact the factory.
51 - 69	20.75	4.625	14.46	4.50	17.45	1" (FNPT) Flange connections are also available. Contact the factory
610 - 613	20.75	4.625	14.46	4.50	17.45	1" (FNPT) Flange connections are also available. Contact the factory
84 - 99	25.65	6.25	16.25	6.125	20.50	1 1/2" Horiz., 2" Vert (FNPT) (PVC fittings vert. only) Flange connection also available. Contact the factory

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Order Number	Full Scale Flow GPM - Water	Full Scale Flow SCFM - Air	Alarm Option	Float Number	Float Type	Pressure Drop (Inches of Water)	Tube Size	Tube Number*
31	0.220	.9	No	3/8-LPG-01	LP	—	3G	3/8-20-G-10
32	0.315	1.4	No	3/8-SLG-01	SL	2	3G	3/8-20-G-10
33	0.640	2.7	No	3/8-SLG-02	SL	7	3G	3/8-20-G-10
41	0.77	3.4	No	1/2-LPG-01	LP	6	4G	1/2-32-G-10
42	1.02	4.4	No	1/2-LPG-02	LP	10	4G	1/2-32-G-10
43	1.20	5.0	Yes	1/2-GVG-01	GV	10	4G	1/2-32-G-10
44	1.44	6.1	No	1/2-GSG-01	GS	15	4G	1/2-32-G-10
45	1.92	8.5	Yes	1/2-SLG-01	SL	28	4G	1/2-32-G-10
46	2.26	10.2	Yes	1/2-SLG-02	SL	41	4G	1/2-32-G-10
51	1.1	4.5	No	3/4-LPG-01	LP	1	5G	3/4-28-G-10
52	2.4	10.0	Yes	3/4-GVG-01	GV	4	5G	3/4-28-G-10
53	3.0	12.0	Yes	3/4-GSG-01	GS	5	5G	3/4-28-G-10
54	3.3	13.2	Yes	3/4-GVG-02	GV	6	5G	3/4-28-G-10
55	4.0	16.4	Yes	3/4-GSG-02	GS	6	5G	3/4-28-G-10
56	5.2	22.0	Yes	3/4-SLG-01	SL	18	5G	3/4-28-G-10
61	6.9	—	Yes	1-LPG-02	LP	4	6G	1-32-G-10
62	9.8	—	No	1-SLG-01	SL	8	6G	1-32-G-10
63	12.6	—	Yes	1-SLG-02	SL	13	6G	1-32-G-10
64	6.7	27.0	No	1-LPP-01	LP	4	6P	1-40-P-10
65	7.4	30.0	No	1-GVP-01	GV	6	6P	1-40-P-10
66	8.5	35.0	No	1-GVP-02	GV	8	6P	1-40-P-10
67	10.4	42.5	No	1-GSP-01	GS	10	6P	1-40-P-10
68	11.6	46.5	No	1-GVP-03	GV	15	6P	1-40-P-10
69	12.0	50.0	No	1-GSP-02	GS	14	6P	1-40-P-10
610	15.6	63.0	No	1-GSP-03	GS	24	6P	1-40-P-10
611	21.6	100.0	Yes	1-SLP-01	SL	61	6P	1-40-P-10
612	27.5	—	Yes	1-SLP-02	SL	85	6P	1-40-P-10
613	34.5	—	Yes	1-SLP-03	SL	110	6P	1-40-P-10
84	17.0	70.0	No	1 1/2-GVP-01	GV	10	8P	1 1/2-32-P-10
85	21.2	87.0	No	1 1/2-GVP-02	GV	13	8P	1 1/2-32-P-10
86	22.2	—	No	1 1/2-GSP-01	GS	14	8P	1 1/2-32-P-10
87	24.8	102.0	No	1 1/2-GVP-03	GV	18	8P	1 1/2-32-P-10
88	28.5	—	No	1 1/2-GSP-02	GS	20	8P	1 1/2-32-P-10
89	35.0	—	No	1 1/2-GSP-03	GS	24	8P	1 1/2-32-P-10
94	41.5	170.0	No	2-GVP-01	GV	20	9P	2-30-P-10
95	58.0	240.0	No	2-GSP-01	GS	25	9P	2-30-P-10
96	65.0	270.0	No	2-GSP-02	GS	30	9P	2-30-P-10
97	85.0	350.0	No	2-SLP-00	SL	40	9P	2-30-P-10
98	100.0	—	No	2-SLP-01	SL	50	9P	2-30-P-10
99	132.0	—	No	2-SLP-02	SL	60	9P	2-30-P-10

* Tubes designated "G" have rib-guided floats.
Tubes designated "P" have pole-guided floats.

ORDERING:

Use the following guide to determine the specific product number you require.

Meter Series	Fitting Material	Float Material	O-Ring Material	Order Number	Scale	Connection	Alarm
7 9 1	316 Stainless steel - 2 PVC (not for air) - 3	316L SS - 2 Hastelloy 276-C - 4	EPR - 1 Buna-N - 2 Viton® - 3 Kalrez® - 4	See Specifications * Only use this 3rd box with order numbers 610 thru 613. Otherwise leave blank.	Water GPM - W Air SCFM - A Non Standard - N	Vertical - V Horizontal - H (PVC fittings vertical only)	No Alarm - 0 Alarm - A