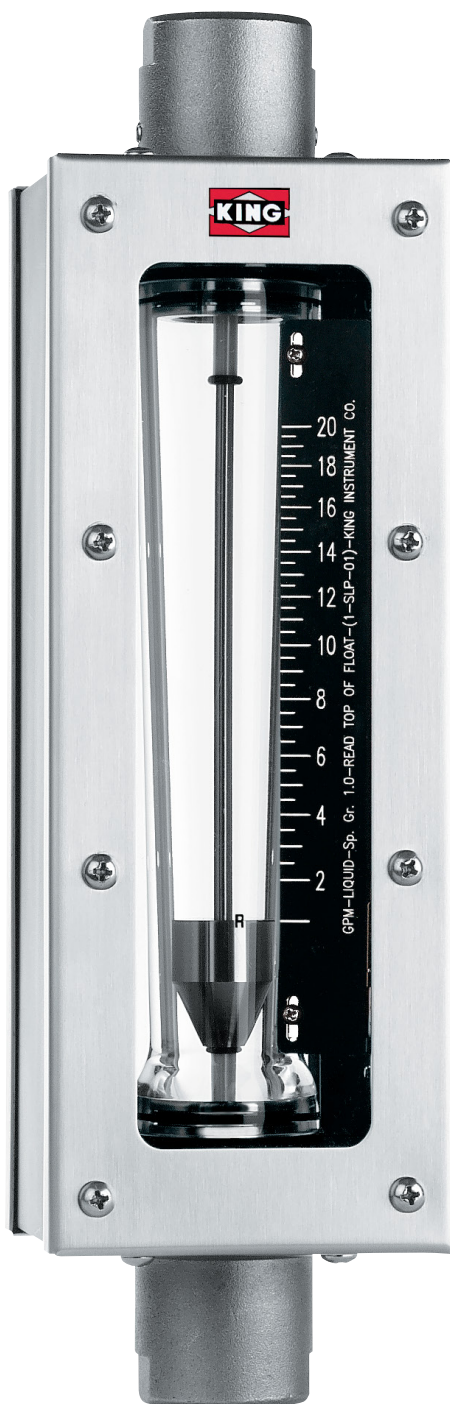


7610 Series

GLASS TUBE

7610 models feature fully enclosed, 127 mm scale, borosilicate glass metering tube with 304 stainless steel case. In-line 316L fittings and internals or PVC fittings with Hastelloy® C-276 internals are suitable for a variety of applications.



DESCRIPTION

Metering Tube	Borosilicate Kinglass
Internal Components	Standard: 316L SS Optional: Hastelloy® C-276
Fitting Material	Standard: 316L SS Optional: PVC
Inlet/Outlet Fittings	FNPT, vertical
O-Ring	Standard: Viton® Optional: Buna N, EPR, and Kalrez®
Case and Covers	304 SS case Polycarbonate shield

PERFORMANCE

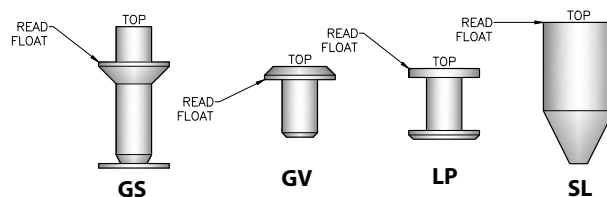
Capacities	Water 0.25 to 116 GPM Air 1 to 245 SCFM
Scale	127 mm (5") direct reading, detachable
Accuracy	± 3% of full scale flow
Turndown	10:1
Repeatability	0.5%
Maximum Temperature	316L SS fittings 200° F (93° C) PVC fittings 110° F (43° C)
Maximum Pressure	316L SS fittings 250 psig, size 3 & 4 316L SS fittings 200 psig, size 5 & 6 316L SS fittings 150 psig, size 8 & 9 PVC fittings 100 psig
Ambient Temperature	33° F to 125° F (1° C to 52° C)

OPTIONS

Alarm	Latching Reed Switch (See page 60)
Certified Calibrations	Conform to ISA RP 16.6
Scales	Any volumetric unit

FLOATS

Options for rotameter float materials and designs extend flow ranges for different fluids within a given rotameter tube design.



7610 Specifications

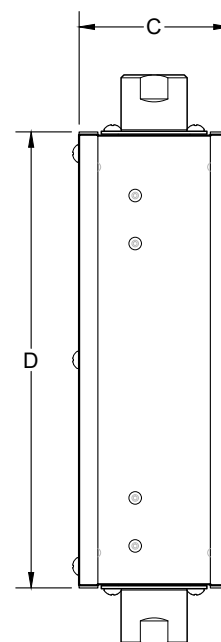
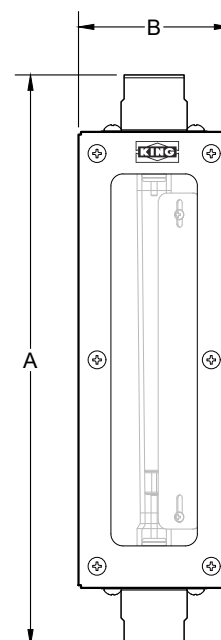
GLASS TUBE

Order No.	Full Scale Flow GPM - Water	Alarm Opt.	Order No.	Full Scale Flow SCFM - Air	Alarm Opt.	Float Number	Float Type	Pressure Drop (Inches of Water)	Tube Size - Number*
31W	.25	No	31A	1.0	No	3/8-LPG-01	LP	—	3G - 3/8-20-G-5
32W	.36	No	32A	1.5	No	3/8-SLG-01	SL	2	3G - 3/8-20-G-5
33W	.74	No	33A	3.0	No	3/8-SLG-02	SL	5	3G - 3/8-20-G-5
41W	1.0	No	41A	4.2	No	1/2-LPG-01	LP	6	4G - 1/2-27-G-5
43W	2.0	Yes	43A	8.2	Yes	1/2-SLG-01	GS	10	4G - 1/2-27-G-5
51W	1.5	No	51A	6.0	No	3/4-LPG-01	LP	3	5G - 3/4-30-G-5
52W	3.8	Yes	52A	16.0	Yes	3/4-GSG-01	GS	10	5G - 3/4-30-G-5
53W	5.0	Yes	53A	21.5	Yes	3/4-SLG-01	SL	14	5G - 3/4-30-G-5
61W	6.0	No	61A	25.5	No	1-GVP-01	GV	5	6P - 1-33-P-5
62W	7.4	No	62A	30.0	No	1-GVP-02	GV	6	6P - 1-33-P-5
63W	9.6	No	63A	40.0	No	1-GSP-01	GS	10	6P - 1-33-P-5
64W	11.0	No	64A	45.0	No	1-GSP-02	GS	13	6P - 1-33-P-5
65W	14.0	No	65A	62.0	No	1-GSP-03	GS	24	6P - 1-33-P-5
66W	20.0	Yes	66A	90.0	Yes	1-SLP-01	SL	39	6P - 1-33-P-5
67W	26.0	Yes	—	—	—	1-SLP-02	SL	45	6P - 1-33-P-5
81W	22.0	Yes	81A	90.0	Yes	1 1/2-GVP-01	GV	16	8P - 1 1/2-34-P-5
82W	44.0	Yes	82A	180.0	Yes	1 1/2-SLP-01	SL	30	8P - 1 1/2-34-P-5
83W	61.0	Yes	83A	250.0	Yes	1 1/2-SLP-02	SL	40	8P - 1 1/2-34-P-5
91W	41.0	Yes	91A	160.0	Yes	2-GVP-01	GV	5	9P - 2-33-P-5
92W	60.0	Yes	92A	245.0	Yes	2-GSP-01	GS	16	9P - 2-33-P-5
93W	86.0	Yes	—	—	—	2-SLP-01	SL	25	9P - 2-33-P-5
94W	116.0	Yes	—	—	—	2-SLP-02	SL	45	9P - 2-33-P-5

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

Water Order Number	Air Order Number	Dimensions (Inches)				Connection Size FNPT
		A	B	C	D	
31W - 43W	31A - 43A	11.875	3.15	3.125	9.50	1/2"
51W - 67W	51A - 66A	13.75	3.95	3.90	10.60	1"
81W - 94W	81A - 92A	16	5.312	5.375	11.80	2"

DIMENSION DIAGRAMS



ORDERING:

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

Meter Series	Fitting Material	Float Material	O-Ring Material	Alarm	Order Number
7 6 1	316L SS - 2 PVC (not for air service) - 3	316L SS - 2 Hastelloy® C-276 - 4	EPR - 1 Buna - N - 2 Viton® - 3 Kalrez® - 4	No Alarm - 0 Alarm - A	See Specification above