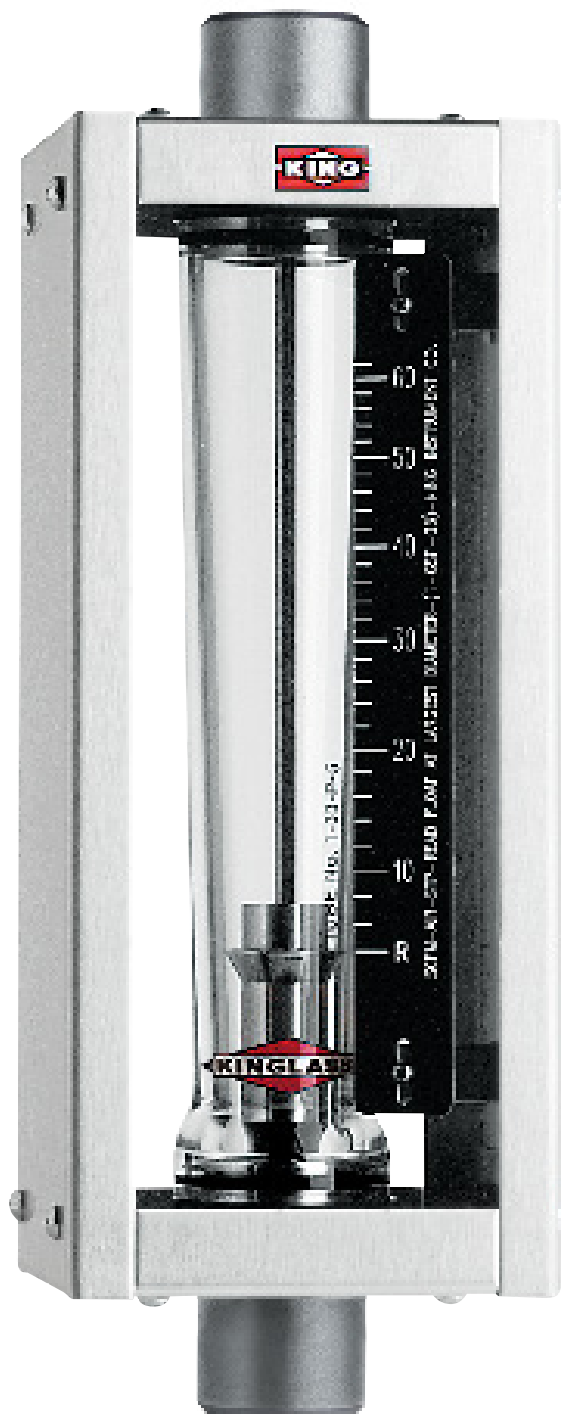


7470 Series

GLASS TUBE

Available with NPT or flange connections, vertical or horizontal, this 127 mm scale glass tube meter offers value and versatility in 304 stainless steel case construction.



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	FNPT or flange, vertical or horizontal
O-Ring	Standard: Viton® Optional: Buna-N, EPR, and Kalrez®
Case and Covers	304 SS case Polycarbonate shield

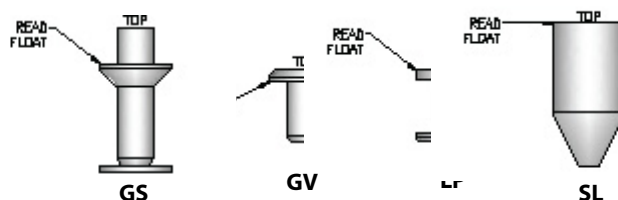
PERFORMANCE

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%
Max Temperature	316L SS fittings only Gases 250° F (121° C) 316L SS fittings Liquids 200° F (93° C) PVC fittings Liquids 110° F (43° C)
Max 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 150 psig
Ambient Temperature	33° F to 125° F (1° C to 52° C)

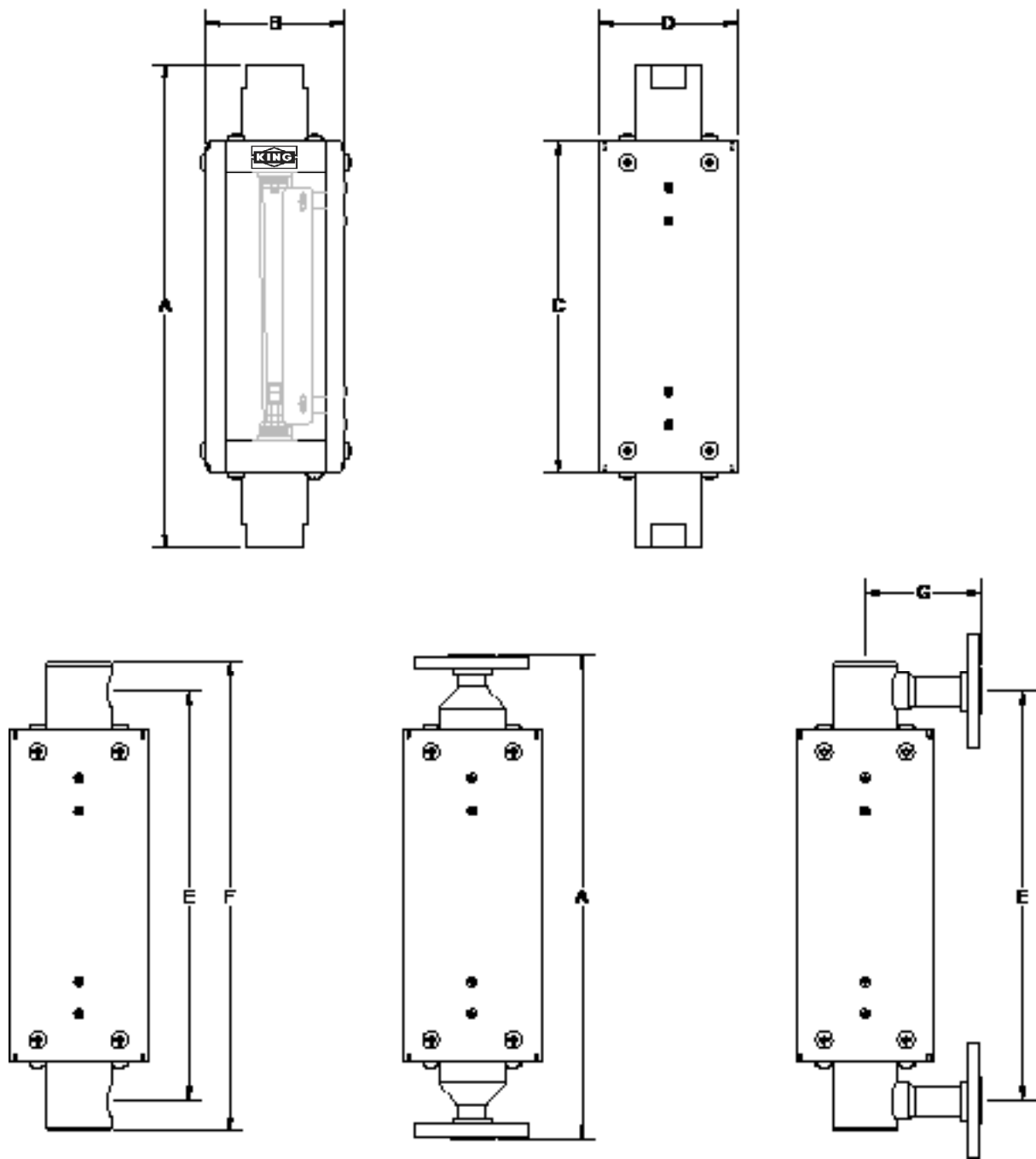
OPTIONS

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

FLOATS



DIMENSION DIAGRAMS



Order Number	Dimensions (Inches)						
	A	B	C	D	E	F	G
31 - 67	14.78	4.22	10.13	4.22	12.50	14.32	3.56
81 - 94	13.86	5.90	10.18	5.90	14.50	17.25	5.00

7470 Specifications

GLASS TUBE

Order No.	Full Scale Flow GPM - Water	Full Scale Flow SCFM - Air	Alarm Opt.	Float Number	Float Type	Pressure Drop (Inches of Water)	Tube Size - Number*	Connection Size FNPT	Flange
31	.25	1.0	No	3/8-LPG-01	LP	---	3G - 3/8-20-G-5	3/4"	1/2"
32	.36	1.5	No	3/8-SLG-01	SL	2	3G - 3/8-20-G-5	3/4"	1/2"
33	.74	3.0	No	3/8-SLG-02	SL	5	3G - 3/8-20-G-5	3/4"	1/2"
41	1.0	4.2	No	1/2-LPG-01	LP	6	4G - 1/2-27-G-5	3/4"	1/2"
43	2.0	8.2	Yes	1/2-SLG-01	GS	10	4G - 1/2-27-G-5	3/4"	1/2"
51	1.5	6.0	No	3/4-LPG-01	LP	3	5G - 3/4-30-G-5	3/4"	1"
52	3.8	16.0	Yes	3/4-GSG-01	GS	10	5G - 3/4-30-G-5	3/4"	1"
53	5.0	21.5	Yes	3/4-SLG-01	SL	14	5G - 3/4-30-G-5	3/4"	1"
61	6.0	25.5	No	1-GVP-01	GV	5	6P - 1-33-P-5	3/4"	1"
62	7.4	30.0	No	1-GVP-02	GV	6	6P - 1-33-P-5	3/4"	1"
63	9.6	40.0	No	1-GSP-01	GS	10	6P - 1-33-P-5	3/4"	1"
64	11.0	45.0	No	1-GSP-02	GS	13	6P - 1-33-P-5	3/4"	1"
65	14.0	62.0	No	1-GSP-03	GS	24	6P - 1-33-P-5	3/4"	1"
66	20.0	90.0	Yes	1-SLP-01	SL	39	6P - 1-33-P-5	3/4"	1"
67	26.0	—	Yes	1-SLP-02	SL	45	6P - 1-33-P-5	3/4"	1"
81	22.0	90.0	Yes	1 1/2-GVP-01	GV	16	8P - 1 1/2-34-P-5	1 1/2"	1 1/2"
82	30.0	125.0	No	1 1/2-GVP-02	SL	23	8P - 1 1/2-34-P-5	1 1/2"	1 1/2"
83	44.0	180.0	Yes	1 1/2-SLP-01	SL	30	8P - 1 1/2-34-P-5	1 1/2"	1 1/2"
84	50.0	200.0	Yes	1 1/2-SLP-02	SL	35	8P - 1 1/2-34-P-5	1 1/2"	1 1/2"
85	61.0	250.0	Yes	1 1/2-SLP-03	SL	40	8P - 1 1/2-34-P-5	1 1/2"	1 1/2"
91	41.0	160.0	Yes	2-GVP-01	GV	5	9P - 2-33-P-5	1 1/2"	1 1/2"
92	60.0	245.0	Yes	2-GSP-01	GS	16	9P - 2-33-P-5	1 1/2"	1 1/2"
93	86.0	—	Yes	2-SLP-01	SL	25	9P - 2-33-P-5	1 1/2"	1 1/2"
94	116.0	—	Yes	2-SLP-02	SL	45	9P - 2-33-P-5	1 1/2"	1 1/2"

* 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	Alarm
7 4 7	Vertical FNPT - 316L SS - 1	316L SS - 2	EPR - 1	See Specs Above	Water GPM - W	Check Specs for Avail.
	Horizontal FNPT - 316L SS - 2	Hastelloy® C-276 - 4	Buna - N - 2		Air SCFM - A	Without Alarm - 0
	Vertical Flange - 150# - 3		Viton® - 3		Non Standard - N	With Alarm - 1
	Vertical Flange - 300# - 4		Kalrez® - 4			
	Horizontal Flange - 150# - 5					
	Horizontal Flange - 300# - 6					
	Vertical FNPT-PVC - 7 (not for air)					