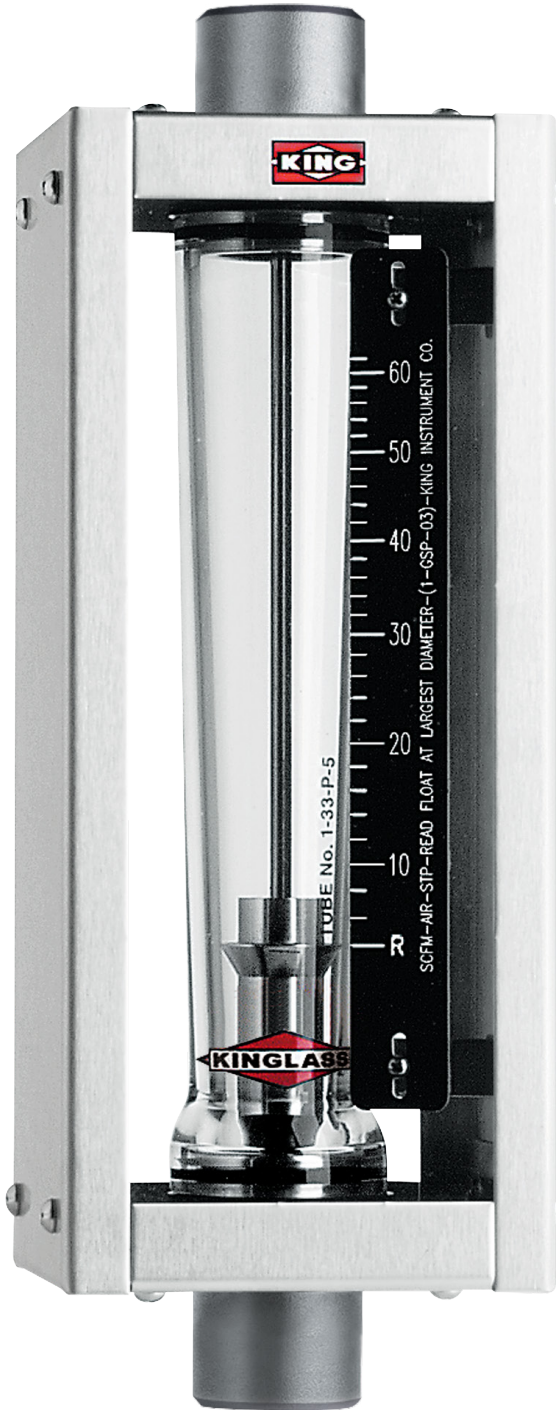


# 7470 Series

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

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

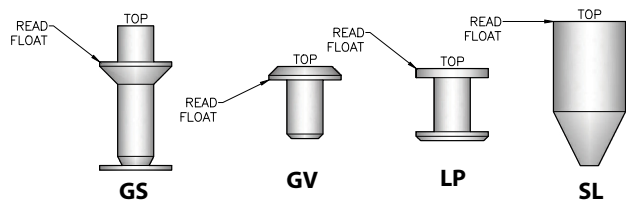
## PERFORMANCE

<b>Capacities</b>	Water 0.25 to 116 GPM Air 1 to 245 SCFM
<b>Scale</b>	127 mm (5") direct reading, detachable
<b>Accuracy</b>	± 3% of full scale flow
<b>Turndown</b>	10:1
<b>Repeatability</b>	0.5%
<b>Max Temperature</b>	316L SS fittings only Gases 250° F (121° C) 316L SS fittings Liquids 200° F (93° C) PVC fittings Liquids 110° F (43° C)
<b>Max Pressure</b>	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
<b>Ambient Temperature</b>	33° F to 125° F (1° C to 52° C)

## OPTIONS

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

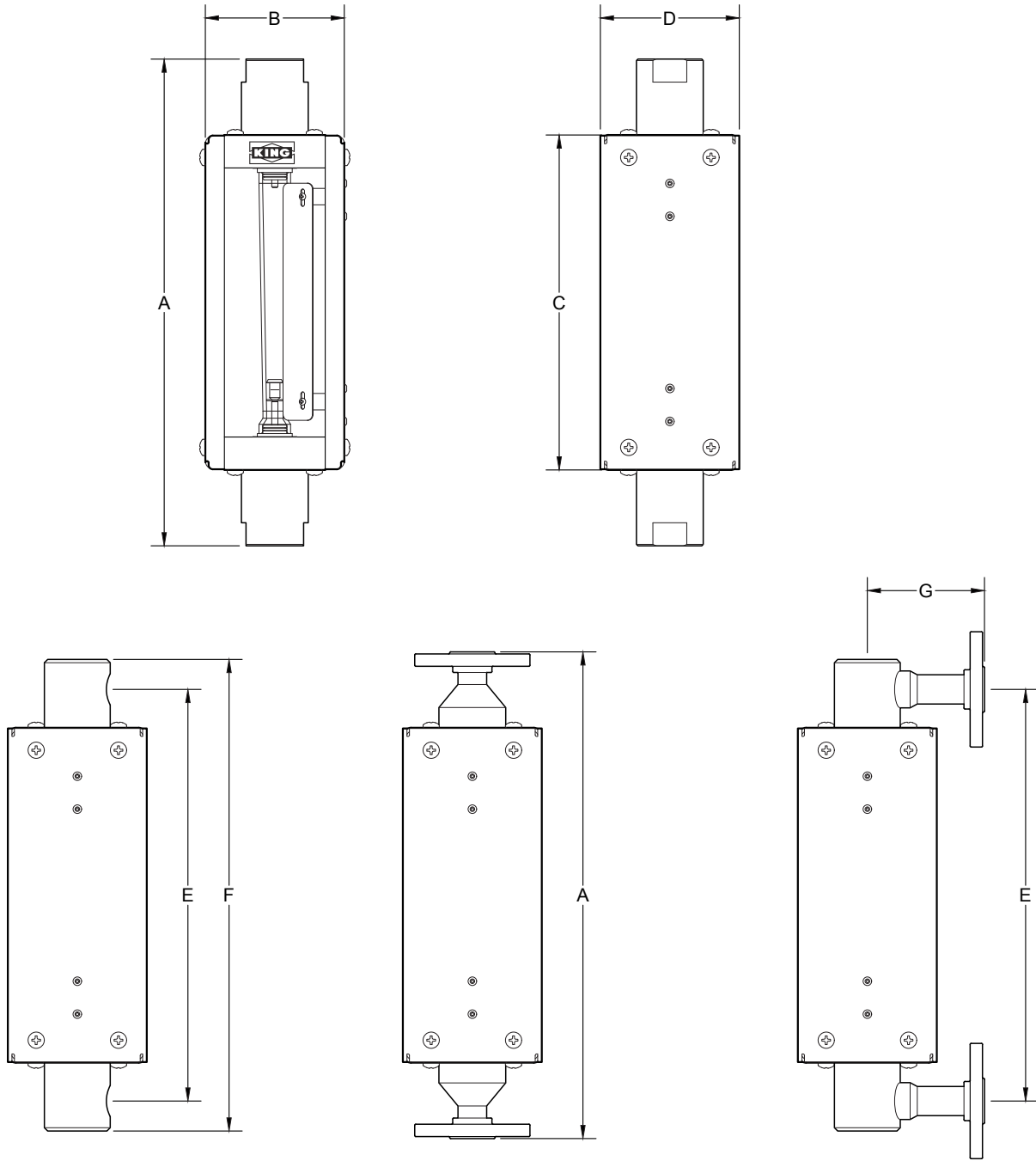
## FLOATS



# 7470 Specifications

GLASS TUBE

## DIMENSION DIAGRAMS



Water Order Number	Air Order Number	Dimensions (Inches)						
		A	B	C	D	E	F	G
31W - 43W	31A - 66A	14.78	4.22	10.13	4.22	12.50	14.32	3.56
51W - 67W	31A - 66A	14.78	4.22	10.13	4.22	12.50	14.32	3.56
81W - 94W	81A - 92A	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	Alarm Opt.	Order No.	Full Scale Flow SCFM - Air	Alarm Opt.	Float Number	Float Type	Pressure Drop (Inches of Water)	Tube Size - Number*	Connection Size FNPT	Flange
31W	.25	No	31A	1.0	No	3/8-LPG-01	LP	---	3G - 3/8-20-G-5	3/4"	1/2"
32W	.36	No	32A	1.5	No	3/8-SLG-01	SL	2	3G - 3/8-20-G-5	3/4"	1/2"
33W	.74	No	33A	3.0	No	3/8-SLG-02	SL	5	3G - 3/8-20-G-5	3/4"	1/2"
41W	1.0	No	41A	4.2	No	1/2-LPG-01	LP	6	4G - 1/2-27-G-5	3/4"	1/2"
43W	2.0	Yes	43A	8.2	Yes	1/2-SLG-01	GS	10	4G - 1/2-27-G-5	3/4"	1/2"
51W	1.5	No	51A	6.0	No	3/4-LPG-01	LP	3	5G - 3/4-30-G-5	3/4"	1"
52W	3.8	Yes	52A	16.0	Yes	3/4-GSG-01	GS	10	5G - 3/4-30-G-5	3/4"	1"
53W	5.0	Yes	53A	21.5	Yes	3/4-SLG-01	SL	14	5G - 3/4-30-G-5	3/4"	1"
61W	6.0	No	61A	25.5	No	1-GVP-01	GV	5	6P - 1-33-P-5	3/4"	1"
62W	7.4	No	62A	30.0	No	1-GVP-02	GV	6	6P - 1-33-P-5	3/4"	1"
63W	9.6	No	63A	40.0	No	1-GSP-01	GS	10	6P - 1-33-P-5	3/4"	1"
64W	11.0	No	64A	45.0	No	1-GSP-02	GS	13	6P - 1-33-P-5	3/4"	1"
65W	14.0	No	65A	62.0	No	1-GSP-03	GS	24	6P - 1-33-P-5	3/4"	1"
66W	20.0	Yes	66A	90.0	Yes	1-SLP-01	SL	39	6P - 1-33-P-5	3/4"	1"
67W	26.0	Yes	—	—	—	1-SLP-02	SL	45	6P - 1-33-P-5	3/4"	1"
81W	22.0	Yes	81A	90.0	Yes	1 1/2-GVP-01	GV	16	8P - 1 1/2-34-P-5	1 1/2"	1 1/2"
82W	30.0	No	82A	125.0	No	1 1/2-GVP-02	SL	23	8P - 1 1/2-34-P-5	1 1/2"	1 1/2"
83W	44.0	Yes	83A	180.0	Yes	1 1/2-SLP-01	SL	30	8P - 1 1/2-34-P-5	1 1/2"	1 1/2"
84W	50.0	Yes	84A	200.0	Yes	1 1/2-SLP-02	SL	35	8P - 1 1/2-34-P-5	1 1/2"	1 1/2"
85W	61.0	Yes	85A	250.0	Yes	1 1/2-SLP-03	SL	40	8P - 1 1/2-34-P-5	1 1/2"	1 1/2"
91W	41.0	Yes	91A	160.0	Yes	2-GVP-01	GV	5	9P - 2-33-P-5	1 1/2"	1 1/2"
92W	60.0	Yes	92A	245.0	Yes	2-GSP-01	GS	16	9P - 2-33-P-5	1 1/2"	1 1/2"
93W	86.0	Yes	—	—	—	2-SLP-01	SL	25	9P - 2-33-P-5	1 1/2"	1 1/2"
94W	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	Alarm
7 4 7	Vertical FNPT - 316L SS - 1 Horizontal FNPT - 316L SS - 2 Vertical Flange - 150# - 3 Vertical Flange - 300# - 4 Horizontal Flange - 150# - 5 Horizontal Flange - 300# - 6 Vertical FNPT-PVC - 7 (not for air)	316L SS - 2 Hastelloy® C-276 - 4	EPR - 1 Buna - N - 2 Viton® - 3 Kalrez® - 4	See Specification above	Check Specifications for availability Without Alarm - 0 With Alarm - 1