

# 7480 Series

GLASS TUBE

This 250 mm scale, economical glass tube meter features 304 stainless steel case construction. NPT or flange, vertical or horizontal connections offer installation versatility.



## 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

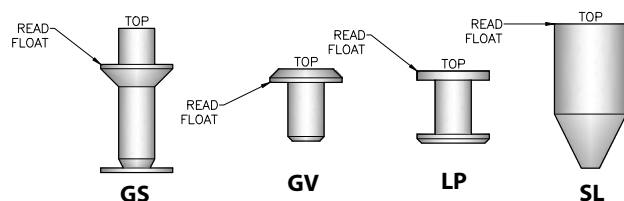
## PERFORMANCE

<b>Capacities</b>	Water 0.22 to 132 GPM Air 0.9 to 350 SCFM
<b>Scale</b>	250 mm (10") direct reading, detachable
<b>Accuracy</b>	± 2% of full scale flow
<b>Turndown</b>	10:1
<b>Repeatability</b>	0.5%
<b>Maximum Temperature</b>	316L SS fittings Gases 200° F (93° C) PVC fittings Liquids 110° F (43° C)
<b>Maximum Pressure</b>	316L SS fittings 250 psig, size 3 & 4 316L SS fittings 250 psig, size 5 & 6 316L SS fittings 150 psig, size 8 & 9 PVC fittings* 150 psig, size 3, 4, 5 & 6 PVC fittings* 125 psig, size 8 & 9
<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

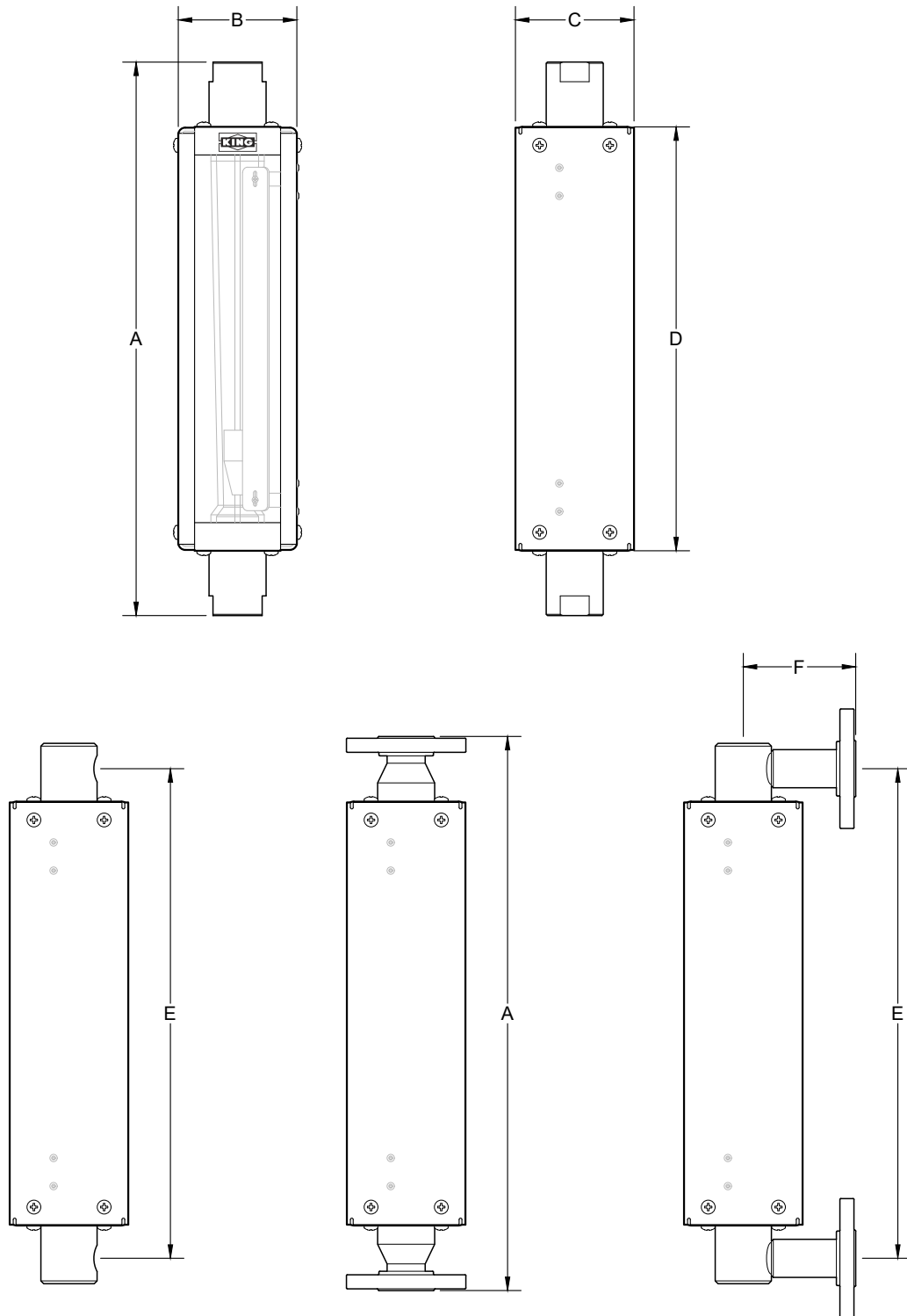


\* Liquids service only

# 7480 Specifications

GLASS TUBE

## DIMENSION DIAGRAMS



Water Order Number	Air Order Number	Dimensions (Inches)					
		A	B	C	D	E	F
31W -46W	31A -46A	19.69	4.22	4.22	15.00	17.42	3.56
51W -613W	51A -611A	19.69	4.22	4.22	15.00	17.42	4.00
84W -99W	84A -97A	19.69	5.90	5.90	16.14	20.41	5

# 7480 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	.22	No	31A	.9	No	3/8-LPG-01	LP	—	3G - 3/8-20-G-10	3/4"	1/2"
32W	.315	No	32A	1.4	No	3/8-SLG-01	SL	2	3G - 3/8-20-G-10	3/4"	1/2"
33W	.64	No	33A	2.7	No	3/8-SLG-02	SL	7	3G - 3/8-20-G-10	3/4"	1/2"
41W	.77	No	41A	3.4	No	1/2-LPG-01	LP	6	4G - 1/2-32-G-10	3/4"	1/2"
42W	1.02	No	42A	4.4	No	1/2-LPG-02	LP	10	4G - 1/2-32-G-10	3/4"	1/2"
43W	1.20	Yes	43A	5.0	Yes	1/2-GVG-01	GV	10	4G - 1/2-32-G-10	3/4"	1/2"
44W	1.44	No	44A	6.1	No	1/2-GSG-01	GS	15	4G - 1/2-32-G-10	3/4"	1/2"
45W	1.92	Yes	45A	8.5	Yes	1/2-SLG-01	SL	28	4G - 1/2-32-G-10	3/4"	1/2"
46W	2.26	Yes	46A	10.2	Yes	1/2-SLG-02	SL	41	4G - 1/2-32-G-10	3/4"	1/2"
51W	1.1	No	51A	4.5	No	3/4-LPG-01	SL	1	5G - 3/4-28-G-10	3/4"	1"
52W	2.4	Yes	52A	10.0	Yes	3/4-GVG-01	SL	4	5G - 3/4-28-G-10	3/4"	1"
53W	3.0	Yes	53A	12.0	Yes	3/4-GSG-01	SL	5	5G - 3/4-28-G-10	3/4"	1"
54W	3.3	Yes	54A	13.2	Yes	3/4-GVG-02	SL	6	5G - 3/4-28-G-10	3/4"	1"
55W	4.0	Yes	55A	16.4	Yes	3/4-GSG-02	SL	6	5G - 3/4-28-G-10	3/4"	1"
56W	5.2	Yes	56A	22.0	Yes	3/4-SLG-01	SL	18	5G - 3/4-28-G-10	3/4"	1"
61W	6.9	Yes	—	—	—	1-LPG-02	LP	4	6G - 1-32-G-10	3/4"	1"
62W	9.8	No	—	—	—	1-SLG-01	SL	8	6G - 1-32-G-10	3/4"	1"
63W	12.6	Yes	—	—	—	1-SLG-02	SL	13	6G - 1-32-G-10	3/4"	1"
64W	6.7	No	64A	27.0	No	1-LPP-01	LP	4	6P - 1-40-P-10	3/4"	1"
65W	7.4	No	65A	30.0	No	1-GVP-01	GV	6	6P - 1-40-P-10	3/4"	1"
66W	8.5	No	66A	35.0	No	1-GVP-02	GV	8	6P - 1-40-P-10	3/4"	1"
67W	10.4	No	67A	42.5	No	1-GSP-01	GS	10	6P - 1-40-P-10	3/4"	1"
68W	11.6	No	68A	46.5	No	1-GVP-03	GV	15	6P - 1-40-P-10	3/4"	1"
69W	12.0	No	69A	50.0	No	1-GSP-02	GS	14	6P - 1-40-P-10	3/4"	1"
610W	15.6	No	610A	63.0	No	1-GSP-03	GS	24	6P - 1-40-P-10	3/4"	1"
611W	21.6	Yes	611A	100.0	Yes	1-SLP-01	SL	61	6P - 1-40-P-10	3/4"	1"
612W	27.5	Yes	—	—	—	1-SLP-02	SL	85	6P - 1-40-P-10	3/4"	1"
613W	34.5	Yes	—	—	—	1-SLP-03	SL	110	6P - 1-40-P-10	3/4"	1"
84W	17.0	No	84A	70.0	No	1 1/2-GVP-01	LP	2	8P - 1 1/2-32-P-10	3/4"	1 1/2"
85W	21.2	No	85A	87.0	No	1 1/2-GVP-02	LP	4	8P - 1 1/2-32-P-10	1 1/2"	1 1/2"
86W	22.2	No	—	—	—	1 1/2-GSP-01	LP	6	8P - 1 1/2-32-P-10	1 1/2"	1 1/2"
87W	24.8	No	87A	102.0	No	1 1/2-GVP-03	GV	10	8P - 1 1/2-32-P-10	1 1/2"	1 1/2"
88W	28.5	No	—	—	—	1 1/2-GSP-02	GV	20	8P - 1 1/2-32-P-10	1 1/2"	1 1/2"
89W	35.0	No	—	—	—	1 1/2-GSP-03	GS	24	8P - 1 1/2-32-P-10	1 1/2"	1 1/2"
94W	41.5	No	94A	170.0	No	2-GVP-01	GV	2	9P - 2-30-P-10	1 1/2"	1 1/2"
95W	58.0	No	95A	240.0	No	2-GSP-01	GS	6	9P - 2-30-P-10	1 1/2"	1 1/2"
96W	65.0	No	96A	270.0	No	2-GSP-02	GS	10	9P - 2-30-P-10	1 1/2"	1 1/2"
97W	85.0	No	97A	350.0	No	2-SLP-00	SL	40	9P - 2-30-P-10	1 1/2"	1 1/2"
98W	100.0	No	—	—	—	2-SLP-01	SL	50	9P - 2-30-P-10	1 1/2"	1 1/2"
99W	132.0	No	—	—	—	2-SLP-02	SL	60	9P - 2-30-P-10	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.

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Meter Series	Fitting Material	Float Material	O-Ring Material	Order Number	Alarm
	Vertical FNPT - 316L SS - 1	316L SS - 2	EPR - 1	See Specification	Check Specifications for availability
	Horizontal FNPT - 316L SS - 2	Hastelloy® C-276 - 4	Buna-N - 2		Without Alarm - 0
	Vertical Flange - 150# - 3		Viton® - 3		With Alarm - 1
	Vertical Flange - 300# - 4		Kalrez® - 4		
	Horizontal Flange - 150# - 5				
	Horizontal Flange - 300# - 6				
	Vertical FNPT-PVC - 7 (not for air service)				

\* Only use this 4th box with order numbers 610W thru 613W. Otherwise leave blank.