

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

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

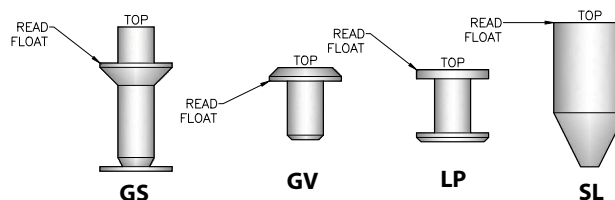
Capacities	Water 0.22 to 132 GPM Air 0.9 to 350 SCFM
Scale	250 mm (10") direct reading, detachable
Accuracy	± 2% of full scale flow
Turndown	10:1
Repeatability	0.5%
Maximum Temperature	316L SS fittings Gases 200° F (93° C) PVC fittings Liquids 110° F (43° C)
Maximum Pressure	316L SS fittings 250 psig, 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
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.

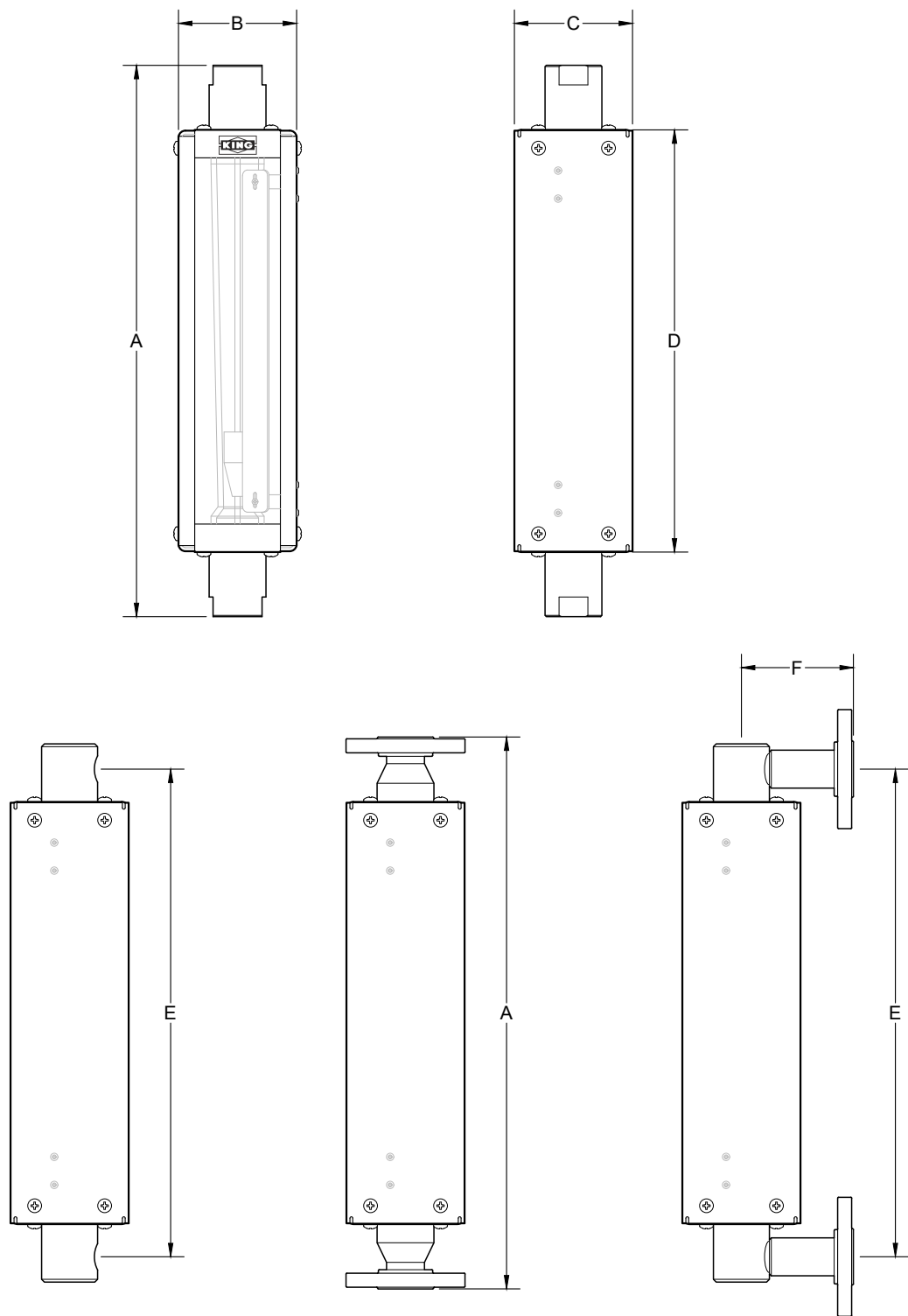
FLOATS

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



* Liquids service only

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	Connection Size 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			* Only use this 4th box with order numbers 610W thru 613W. Otherwise leave blank.	
	Horizontal Flange - 300# - 6				
	Vertical FNPT-PVC - 7 (not for air service)				