

70 flow ranges in 7 tube sizes makes these 250 mm scale glass tube, 304 Stainless steel case models one of our largest series. Dual port connections (both horizontal and vertical on each end) allow for a variety of installation options.



## 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>	NPT or flange, vertical or horizontal 360° fully rotatable
<b>O-Ring</b>	Standard: Viton Optional: Buna N, EPR, and Kalrez
<b>Case and Covers</b>	304 SS case Polycarbonate shield

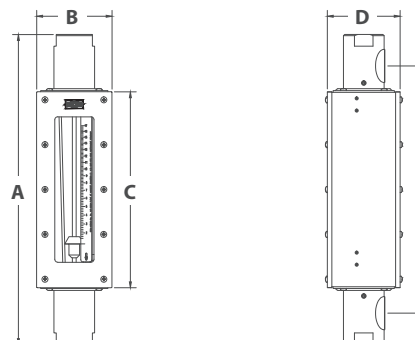
## PERFORMANCE

<b>Capacities</b>	Water 0.22 to 132 GPM Air 0.9 to 350 SCFM
<b>Scale</b>	250mm (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 200° F (93° C) PVC fittings 115° F (46° C)
<b>Maximum Pressure</b>	316L SS fittings 300 psig, size 3 & 4 316L SS fittings 250 psig, size 5 & 6 316L SS fittings 150 psig, size 8 316L SS fittings 125 psig, size 9 PVC fittings 150 psig, size 3,4,5,6 & 8 PVC fittings 125 psig, size 9
<b>Ambient Temperature</b>	33° F to 125° F (1° C to 52° C)

## OPTIONS

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

## DIMENSION DIAGRAM



# 7910 Series 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	Press. Drop In W.C	Tube Size	Tube Number	Dimensions (Inches)					Connection Size FNPT
											A	B	C	D	E	
31W	0.220	No	31A	.9	No	3/8-LPG-01	LP	—	3G	3/8-20-G-10	20	3.125	14.45	3.125	17.50	
32W	0.315	No	32A	1.4	No	3/8-SLG-01	SL	2	3G	3/8-20-G-10	20	3.125	14.45	3.125	17.50	
33W	0.640	No	33A	2.7	No	3/8-SLG-02	SL	7	3G	3/8-20-G-10	20	3.125	14.45	3.125	17.50	1/2" (FNPT)
41W	0.77	No	41A	3.4	No	1/2-LPG-01	LP	6	4G	1/2-32-G-10	20	3.125	14.45	3.125	17.50	Flange connection are also available.
42W	1.02	No	42A	4.4	No	1/2-LPG-02	LP	10	4G	1/2-32-G-10	20	3.125	14.45	3.125	17.50	Contact the factory.
43W	1.20	Yes	43A	5.0	Yes	1/2-GVG-01	GV	10	4G	1/2-32-G-10	20	3.125	14.45	3.125	17.50	
44W	1.44	No	44A	6.1	No	1/2-GSG-01	GS	15	4G	1/2-32-G-10	20	3.125	14.45	3.125	17.50	
45W	1.92	Yes	45A	8.5	Yes	1/2-SLG-01	SL	28	4G	1/2-32-G-10	20	3.125	14.45	3.125	17.50	
46W	2.26	Yes	46A	10.2	Yes	1/2-SLG-02	SL	41	4G	1/2-32-G-10	20	3.125	14.45	3.125	17.50	
51W	1.1	No	51A	4.5	No	3/4-LPG-01	LP	1	5G	3/4-28-G-10	20	4.625	14.45	4	17.50	
52W	2.4	Yes	52A	10.0	Yes	3/4-GVG-01	GV	4	5G	3/4-28-G-10	20	4.625	14.45	4	17.50	
53W	3.0	Yes	53A	12.0	Yes	3/4-GSG-01	GS	5	5G	3/4-28-G-10	20	4.625	14.45	4	17.50	
54W	3.3	Yes	54A	13.2	Yes	3/4-GVG-02	GV	6	5G	3/4-28-G-10	20	4.625	14.45	4	17.50	
55W	4.0	Yes	55A	16.4	Yes	3/4-GSG-02	GS	6	5G	3/4-28-G-10	20	4.625	14.45	4	17.50	
56W	5.2	Yes	56A	22.0	Yes	3/4-SLG-01	SL	18	5G	3/4-28-G-10	20	4.625	14.45	4	17.50	1" (FNPT) Flange connections are also available.
61W	6.9	Yes	—	—	—	1-LPG-02	LP	4	6G	1-32-G-10	20	4.625	14.45	4	17.50	Contact the factory
62W	9.8	No	—	—	—	1-SLG-01	SL	8	6G	1-32-G-10	20	4.625	14.45	4	17.50	
63W	12.6	Yes	—	—	—	1-SLG-02	SL	13	6G	1-32-G-10	20	4.625	14.45	4	17.50	
64W	6.7	No	64A	27.0	No	1-LPP-01	LP	4	6P	1-40-P-10	20	4.625	14.45	4	17.50	
65W	7.4	No	65A	30.0	No	1-GVP-01	GV	6	6P	1-40-P-10	20	4.625	14.45	4	17.50	
66W	8.5	No	66A	35.0	No	1-GVP-02	GV	8	6P	1-40-P-10	20	4.625	14.45	4	17.50	
67W	10.4	No	67A	42.5	No	1-GSP-01	GS	10	6P	1-40-P-10	20	4.625	14.45	4	17.50	
68W	11.6	No	68A	46.5	No	1-GVP-03	GV	15	6P	1-40-P-10	20	4.625	14.45	4	17.50	
69W	12.0	No	69A	50.0	No	1-GSP-02	GS	14	6P	1-40-P-10	20	4.625	14.45	4	17.50	
610W	15.6	No	610 A	63.0	No	1-GSP-03	GS	24	6P	1-40-P-10	20	4.625	14.45	4	17.50	1" (FNPT) Flange connections are also available.
611W	21.6	Yes	611A	100.0	Yes	1-SLP-01	SL	61	6P	1-40-P-10	20	4.625	14.45	4	17.50	Contact the factory
612W	27.5	Yes	—	—	—	1-SLP-02	SL	85	6P	1-40-P-10	20	4.625	14.45	4	17.50	
613W	34.5	Yes	—	—	—	1-SLP-03	SL	110	6P	1-40-P-10	20	4.625	14.45	4	17.50	
84W	17.0	No	84A	70.0	No	11/2-GVP-01	GV	10	8P	11/2-32-P-10	25	6.25	16.25	6.125	20.50	
85W	21.2	No	85A	87.0	No	11/2-GVP-02	GV	13	8P	11/2-32-P-10	25	6.25	16.25	6.125	20.50	
86W	22.2	No	—	—	—	11/2-GSP-01	GS	14	8P	11/2-32-P-10	25	6.25	16.25	6.125	20.50	1 1/2" Horiz., 2" Vert (FNPT) (PVC fittings vert. only)
87W	24.8	No	87A	102.0	No	11/2-GVP-03	GV	18	8P	11/2-32-P-10	25	6.25	16.25	6.125	20.50	Flange connection also available.
88W	28.5	No	—	—	—	11/2-GSP-02	GS	20	8P	11/2-32-P-10	25	6.25	16.25	6.125	20.50	Contact the factory
89W	35.0	No	—	—	—	11/2-GSP-03	GS	24	8P	11/2-32-P-10	25	6.25	16.25	6.125	20.50	
94W	41.5	No	94A	170.0	No	2-GVP-01	GV	20	9P	2-30-P-10	25	6.25	16.25	6.125	20.50	
95W	58.0	No	95A	240.0	No	2-GSP-01	GS	25	9P	2-30-P-10	25	6.25	16.25	6.125	20.50	
96W	65.0	No	96A	270.0	No	2-GSP-02	GS	30	9P	2-30-P-10	25	6.25	16.25	6.125	20.50	
97W	85.0	No	97A	350.0	No	2-SLP-00	SL	40	9P	2-30-P-10	25	6.25	16.25	6.125	20.50	
98W	100.0	No	—	—	—	2-SLP-01	SL	50	9P	2-30-P-10	25	6.25	16.25	6.125	20.50	
99W	132.0	No	—	—	—	2-SLP-02	SL	60	9P	2-30-P-10	25	6.25	16.25	6.125	20.50	

### ORDERING:

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

Meter Series	Fitting Material	Float Material	O-ring Material	Order Number	Connection	Alarm Option
7 9 1	316 Stainless steel - 2 PVC (not for air) - 3	316L SS - 2 Hastelloy 276-C - 4	EPR - 1 Buna-N - 2 Viton® - 3 Kalrez® - 4	See Specifications table  * Only use this box with order numbers 610W thru 613W. Otherwise leave blank	Vertical - V Horizontal - H (plastic fittings vertical only)	No Alarm - 0 Alarm - A