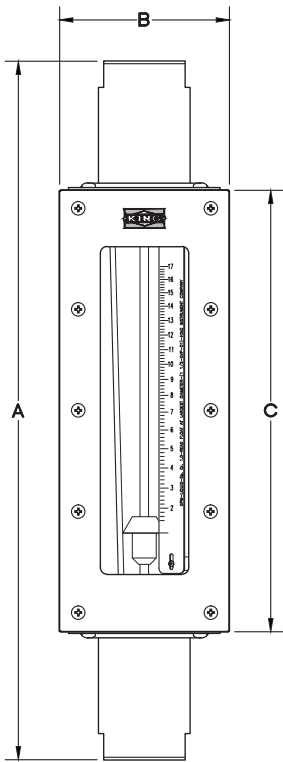


# 7910 Series Flowmeters



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

- Metering Tube**  
Borosilicate Kinglass
- Internal Components**  
Standard: 316L Stainless Steel  
Optional: Hastelloy C-276
- Inlet/Outlet Fittings**  
NPT or Flange, Vertical or Horizontal  
360° Fully Rotatable
- Fitting Material**  
Standard: 316L Stainless Steel  
Optional: PVC (vertical connections only)
- Elastomers**  
Standard: Viton  
Optional: Buna N, EPR, and Kalrez
- Case and Covers**  
304 Stainless Steel Case  
Polycarbonate Shield

## PERFORMANCE

- Capacities**  
0.22 to 132 GPM — Water  
0.9 to 350 SCFM — Air
- Scale**  
250mm (10")  
Direct reading, detachable
- Accuracy**  
± 2% of Full Scale Flow
- Turndown**  
10:1 unless otherwise indicated
- Repeatability**  
0.5 %
- Max Temperature**  
316L SS Fittings — 200° F (93° C)  
PVC Fittings — 115° F (46° C)
- Max Pressure**  
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 - 8  
PVC Fittings — 125 psig, size 9
- Ambient Temperature**  
33° F to 125° F (1° C to 52° C)

## OPTIONS

- Alarm**  
Latching Reed Switch
- Certified Calibrations**  
Conform to ISA RP 16.6
- Scales**  
Can be produced in any volumetric unit
- Float Types**  
GS, GV, LP, SL,

## SPECIFICATIONS:

Order No.	GPM Water	Order No.	SCFM Air	Float Number	Float Type	Press. Drop (W.C.)	Tube Size	Tube Number
31W	0.220	31A	.9	3/8-LPG-01	LP	—	3G	3/8-20-G-10
32W	0.315	32A	1.4	3/8-SLG-01	SL	2	3G	3/8-20-G-10
33W	0.640	33A	2.7	3/8-SLG-02	SL	7	3G	3/8-20-G-10
41W	0.77	41A	3.4	1/2-LPG-01	LP	6	4G	1/2-32-G-10
42W	1.02	42A	4.4	1/2-LPG-02	LP	10	4G	1/2-32-G-10
43W*	1.20	43A*	5.0	1/2-GVG-01	GV	10	4G	1/2-32-G-10
44W	1.44	44A	6.1	1/2-GSG-01	GS	15	4G	1/2-32-G-10
45W*	1.92	45A*	8.5	1/2-SLG-01	SL	28	4G	1/2-32-G-10
46W	2.26	46A*	10.2	1/2-SLG-02	SL	41	4G	1/2-32-G-10
51W	1.1	51A	4.5	3/4-GVG-01	LP	1	5G	3/4-28-G-10
52W*	2.4	52A*	10.0	3/4-GVG-01	GV	4	5G	3/4-28-G-10
53W*	3.0	53A*	12.0	3/4-GSG-01	GS	5	5G	3/4-28-G-10
54W*	3.3	54A*	13.2	3/4-GVG-02	GV	6	5G	3/4-28-G-10
55W*	4.0	55A*	16.4	3/4-GSG-02	GS	6	5G	3/4-28-G-10
56W*	5.2	56A*	22.0	3/4-SLG-01	SL	18	5G	3/4-28-G-10
61W*	6.9	—	—	1-LPG-02	LP	4	6G	1-32-G-10
62W	9.8	—	—	1-SLG-01	SL	8	6G	1-32-G-10
63W*	12.6	—	—	1-SLG-02	SL	13	6G	1-32-G-10
64W	6.7	64A	27.0	1-LPP-01	LP	4	6P	1-40-P-10
65W	7.4	65A	30.0	1-GVP-01	GV	6	6P	1-40-P-10
66W	8.5	66A	35.0	1-GVP-02	GV	8	6P	1-40-P-10
67W	10.4	67A	42.5	1-GSP-01	GS	10	6P	1-40-P-10

\* Alarm option available

Order No.	GPM Water	Order No.	SCFM Air	Float Number	Float Type	Press. Drop (W.C.)	Tube Size	Tube Number
68W	11.6	68A	46.5	1-GVP-03	GV	15	6P	1-40-P-10
69W	12.0	69A	50.0	1-GSP-02	GS	14	6P	1-40-P-10
610W	15.6	610 A	63.0	1-GSP-03	GS	24	6P	1-40-P-10
611W*	21.6	611A	100.0	1-SLP-01	SL	61	6P	1-40-P-10
612W*	27.5	—	—	1-SLP-02	SL	85	6P	1-40-P-10
613W*	34.5	—	—	1-SLP-03	SL	110	6P	1-40-P-10
84W	17.0	84A	70.0	11/2-GVP-01	GV	10	8P	11/2-32-P-10
85W	21.2	85A	87.0	11/2-GVP-02	GV	13	8P	11/2-32-P-10
86W	22.2	—	—	11/2-GSP-01	GS	14	8P	11/2-32-P-10
87W	24.8	87A	102.0	11/2-GVP-03	GV	18	8P	11/2-32-P-10
88W	28.5	—	—	11/2-GSP-02	GS	20	8P	11/2-32-P-10
89W	35.0	—	—	11/2-GSP-03	GS	24	8P	11/2-32-P-10
94W	41.5	94A	170.0	2-GVP-01	GV	20	9P	2-30-P-10
95W	58.0	95A	240.0	2-GSP-01	GS	25	9P	2-30-P-10
96W	65.0	96A	270.0	2-GSP-02	GS	30	9P	2-30-P-10
97W	85.0	97A	350.0	2-SLP-00	SL	40	9P	2-30-P-10
98W	100.0	—	—	2-SLP-01	SL	50	9P	2-30-P-10
99W	132.0	—	—	2-SLP-02	SL	60	9P	2-30-P-10

\* Alarm option available

## 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	Vertical - V Horizontal - H (plastic fittings vertical only)	No Alarm - 0 Alarm - A

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