

7910 Series

70 Flow ranges in 7 tube sizes makes these 250 mm scale glass tube, 304 Stainless 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 Glass

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

Options

Alarm

Latching Reed Switch

Certified Calibrations

Conform to ISA RP 16.6

Scales

Can be produced in any volumetric unit



Glass Tube

Performance

Capacities

.22 to 132 GPM – Water

.9 to 350 SCFM – Air

Scale

250mm (10")

Direct reading, detachable

Accuracy

± 2% of Full Scale Flow

Turndown

10:1 to 12.5:1 unless otherwise indicated

Repeatability

.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 3,4,5,6 & 8

PVC Fittings – 125 psig, size 9

Ambient Temperature

33° F to 125° F (1° C to 52° C)

Float Types:



Semi Viscosity Compensation



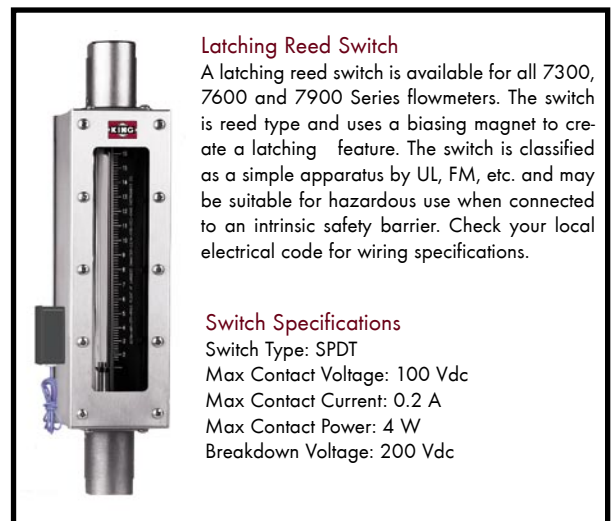
Maximum Viscosity Compensation



Lowest Pressure Loss



Maximum Flow



Latching Reed Switch

A latching reed switch is available for all 7300, 7600 and 7900 Series flowmeters. The switch is reed type and uses a biasing magnet to create a latching feature. The switch is classified as a simple apparatus by UL, FM, etc. and may be suitable for hazardous use when connected to an intrinsic safety barrier. Check your local electrical code for wiring specifications.

Switch Specifications

Switch Type: SPDT

Max Contact Voltage: 100 Vdc

Max Contact Current: 0.2 A

Max Contact Power: 4 W

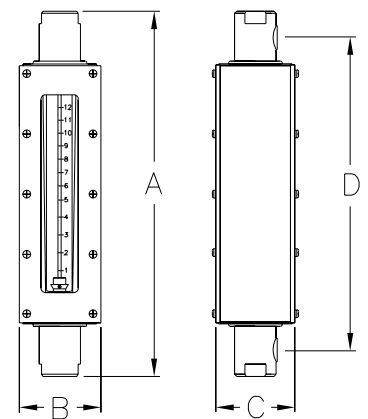
Breakdown Voltage: 200 Vdc

7910 Series

Glass Tube

Specifications:

Order Number	Full Scale Flow GPM-Water	Alarm Option	Order Number	Full Scale Flow SCFM-Air	Alarm Option	Float Number	Float Type	Press. Drop In W.C.	Tube Size	Tube Number	Dimensions (Inches)				Connection Size (FNPT)
											A	B	C	D	
31W	0.220	No	31A	.9	No	3/8-LPG-01	LP	—	3G	3/8-20-G-10	20	3.125	3.125	17.50	1/2"
32W	0.315	No	32A	1.4	No	3/8-SLG-01	SL	2	3G	3/8-20-G-10	20	3.125	3.125	17.50	1/2"
33W	0.640	No	33A	2.7	No	3/8-SLG-02	SL	7	3G	3/8-20-G-10	20	3.125	3.125	17.50	1/2"
41W	0.77	No	41A	3.4	No	1/2-LPG-01	LP	6	4G	1/2-32-G-10	20	3.125	3.125	17.50	1/2"
42W	1.02	No	42A	4.4	No	1/2-LPG-02	LP	10	4G	1/2-32-G-10	20	3.125	3.125	17.50	1/2"
43W	1.20	Yes	43A	5.0	Yes	1/2-GVG-01	GV	10	4G	1/2-32-G-10	20	3.125	3.125	17.50	1/2"
44W	1.44	No	44A	6.1	No	1/2-GSG-01	GS	15	4G	1/2-32-G-10	20	3.125	3.125	17.50	1/2"
45W	1.92	Yes	45A	8.5	Yes	1/2-SLG-01	SL	28	4G	1/2-32-G-10	20	3.125	3.125	17.50	1/2"
46W	2.26	Yes	46A	10.2	Yes	1/2-SLG-02	SL	41	4G	1/2-32-G-10	20	3.125	3.125	17.50	1/2"
51W	1.1	No	51A	4.5	No	3/4-LPG-01	LP	1	5G	3/4-28-G-10	20	4.625	4	17.50	1"
52W	2.4	Yes	52A	10.0	Yes	3/4-GVG-01	GV	4	5G	3/4-28-G-10	20	4.625	4	17.50	1"
53W	3.0	Yes	53A	12.0	Yes	3/4-GSG-01	GS	5	5G	3/4-28-G-10	20	4.625	4	17.50	1"
54W	3.3	Yes	54A	13.2	Yes	3/4-GVG-02	GV	6	5G	3/4-28-G-10	20	4.625	4	17.50	1"
55W	4.0	Yes	55A	16.4	Yes	3/4-GSG-02	GS	6	5G	3/4-28-G-10	20	4.625	4	17.50	1"
56W	5.2	Yes	56A	22.0	Yes	3/4-SLG-01	SL	18	5G	3/4-28-G-10	20	4.625	4	17.50	1"
61W	6.9	Yes	—	—	—	1-LPG-02	LP	4	6G	1-32-G-10	20	4.625	4	17.50	1"
62W	9.8	Yes	—	—	—	1-SLG-01	SL	8	6G	1-32-G-10	20	4.625	4	17.50	1"
63W	12.6	Yes	—	—	—	1-SLG-02	SL	13	6G	1-32-G-10	20	4.625	4	17.50	1"
64W	6.7	No	64A	27.0	No	1-LPP-01	LP	4	6P	1-40-P-10	20	4.625	4	17.50	1"
65W	7.4	No	65A	30.0	No	1-GVP-01	GV	6	6P	1-40-P-10	20	4.625	4	17.50	1"
66W	8.5	No	66A	35.0	No	1-GVP-02	GV	8	6P	1-40-P-10	20	4.625	4	17.50	1"
67W	10.4	No	67A	42.5	No	1-GSP-01	GS	10	6P	1-40-P-10	20	4.625	4	17.50	1"
68W	11.6	No	68A	46.5	No	1-GVP-03	GV	15	6P	1-40-P-10	20	4.625	4	17.50	1"
69W	12.0	No	69A	50.0	No	1-GSP-02	GS	14	6P	1-40-P-10	20	4.625	4	17.50	1"
610W	15.6	No	610A	63.0	No	1-GSP-03	GS	24	6P	1-40-P-10	20	4.625	4	17.50	1"
611W	21.6	Yes	611A	100.0	Yes	1-SLP-01	SL	61	6P	1-40-P-10	20	4.625	4	17.50	1"
612W	27.5	Yes	—	—	—	1-SLP-02	SL	85	6P	1-40-P-10	20	4.625	4	17.50	1"
613W	34.5	Yes	—	—	—	1-SLP-03	SL	110	6P	1-40-P-10	20	4.625	4	17.50	1"
84W	17.0	No	84A	70.0	No	1 1/2-GVP-01	GV	10	8P	1 1/2-32-P-10	25	5.75	6.125	20.50	1 1/2"
85W	21.2	No	85A	87.0	No	1 1/2-GVP-02	GV	13	8P	1 1/2-32-P-10	25	5.75	6.125	20.50	1 1/2"
86W	22.2	No	—	—	—	1 1/2-GSP-01	GS	14	8P	1 1/2-32-P-10	25	5.75	6.125	20.50	1 1/2"
87W	24.8	No	87A	102.0	No	1 1/2-GVP-03	GV	18	8P	1 1/2-32-P-10	25	5.75	6.125	20.50	1 1/2"
88W	28.5	No	—	—	—	1 1/2-GSP-02	GS	20	8P	1 1/2-32-P-10	25	5.75	6.125	20.50	1 1/2"
89W	35.0	No	—	—	—	1 1/2-GSP-03	GS	24	8P	1 1/2-32-P-10	25	5.75	6.125	20.50	1 1/2"
94W	41.5	No	94A	170.0	No	2-GVP-01	GV	20	9P	2-30-P-10	25	5.75	6.125	20.50	1 1/2"
95W	58.0	No	95A	240.0	No	2-GSP-01	GS	25	9P	2-30-P-10	25	5.75	6.125	20.50	1 1/2"
96W	65.0	No	96A	270.0	No	2-GSP-02	GS	30	9P	2-30-P-10	25	5.75	6.125	20.50	1 1/2"
97W	85.0	No	97A	350.0	No	2-SLP-00	SL	40	9P	2-30-P-10	25	5.75	6.125	20.50	1 1/2"
98W	100.0	No	—	—	—	2-SLP-01	SL	50	9P	2-30-P-10	25	5.75	6.125	20.50	1 1/2"
99W	132.0	No	—	—	—	2-SLP-02	SL	60	9P	2-30-P-10	25	5.75	6.125	20.50	1 1/2"



Ordering:

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

7	9	1				*	
Meter Series	Fitting Material	Float Material	O-Ring Material	Order Number	Connection	Alarm Option	
	316 Stainless Steel - 2 PVC (not for air service) - 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)	Without Alarm - O One Alarm - A Two Alarm - D	

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

Example: 791 - 2 - 2 - 3 - 83W - V - O