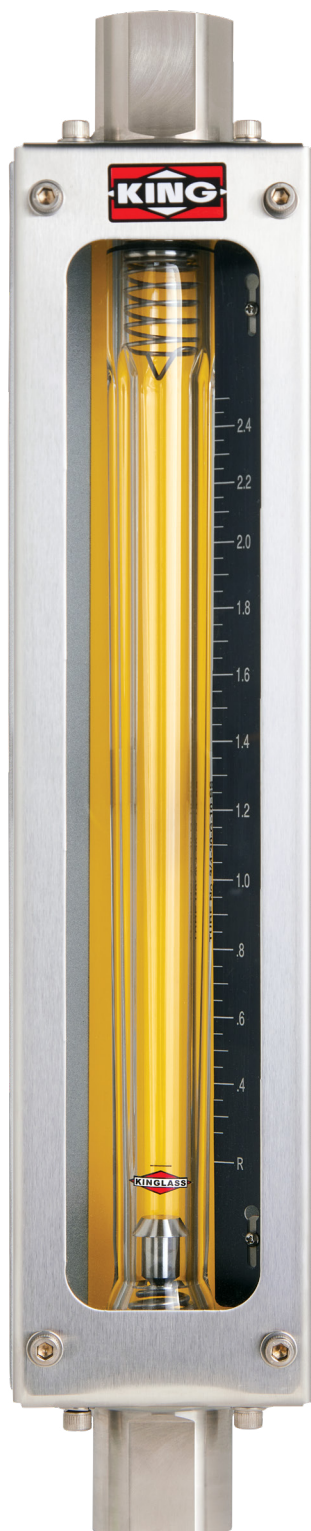


9000 Silver Series

GLASS TUBE

35 flow ranges in 6 tube sizes with full horizontal and vertical connection options make these flowmeters the most versatile removable glass tube meters available. The powder-coated 304 stainless steel case and 304 stainless steel cover with polycarbonate shield will tolerate most corrosive applications.



DESCRIPTION

Metering Tube	Borosilicate Kinglass
Internal Components	Standard: 316L SS Optional: Hastelloy®C-276
Fitting Material	Standard: 316L SS Optional: PVDF (FNPT Only)
Inlet/Outlet Fittings	FNPT or flange, vertical or horizontal
O-Ring	Standard: Viton® Optional: Buna N, EPR, and Kalrez®
Case	Powder-coated 304 SS
Cover	Polycarbonate shield with 304SS cover

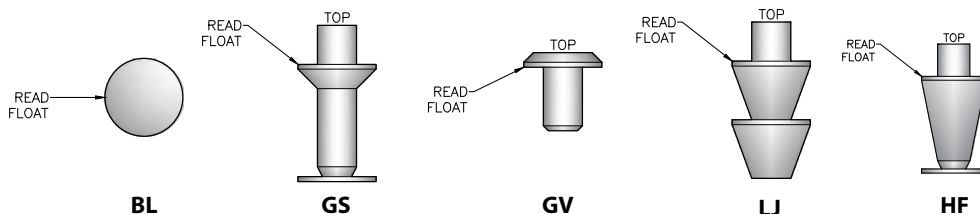
PERFORMANCE

Capacities	Water	0.23 to 85 GPM
	Air	1.15 to 285 SCFM
Scale	Size 3 to 6	250 mm (10")
	Size 8 to 9	200 mm (8")
	direct reading, detachable scales	
Accuracy	± 2% of full scale flow	
Turndown	10:1	
Repeatability	0.5%	
Maximum Temperature	316L SS fittings	200° F (93° C)
	PVDF fittings	200° F (93° C)
Maximum Pressure	316L SS fittings	300 psig, size 3 & 4
	316L SS fittings	250 psig, size 5 & 6
	316L SS fittings	75 psig, size 8 & 9
	PVDF fittings	150 psig, size 3 & 4
	PVDF fittings	150 psig, size 5 & 6
	PVDF fittings	75 psig, size 8 & 9
Ambient Temperature	33° F to 200°F (1° C to 93° C)	

OPTIONS

Alarm	Latching Reed Switch (Page 56)
Certified Calibrations	Conform to ISA RP 16.6
Scales	Any volumetric unit.

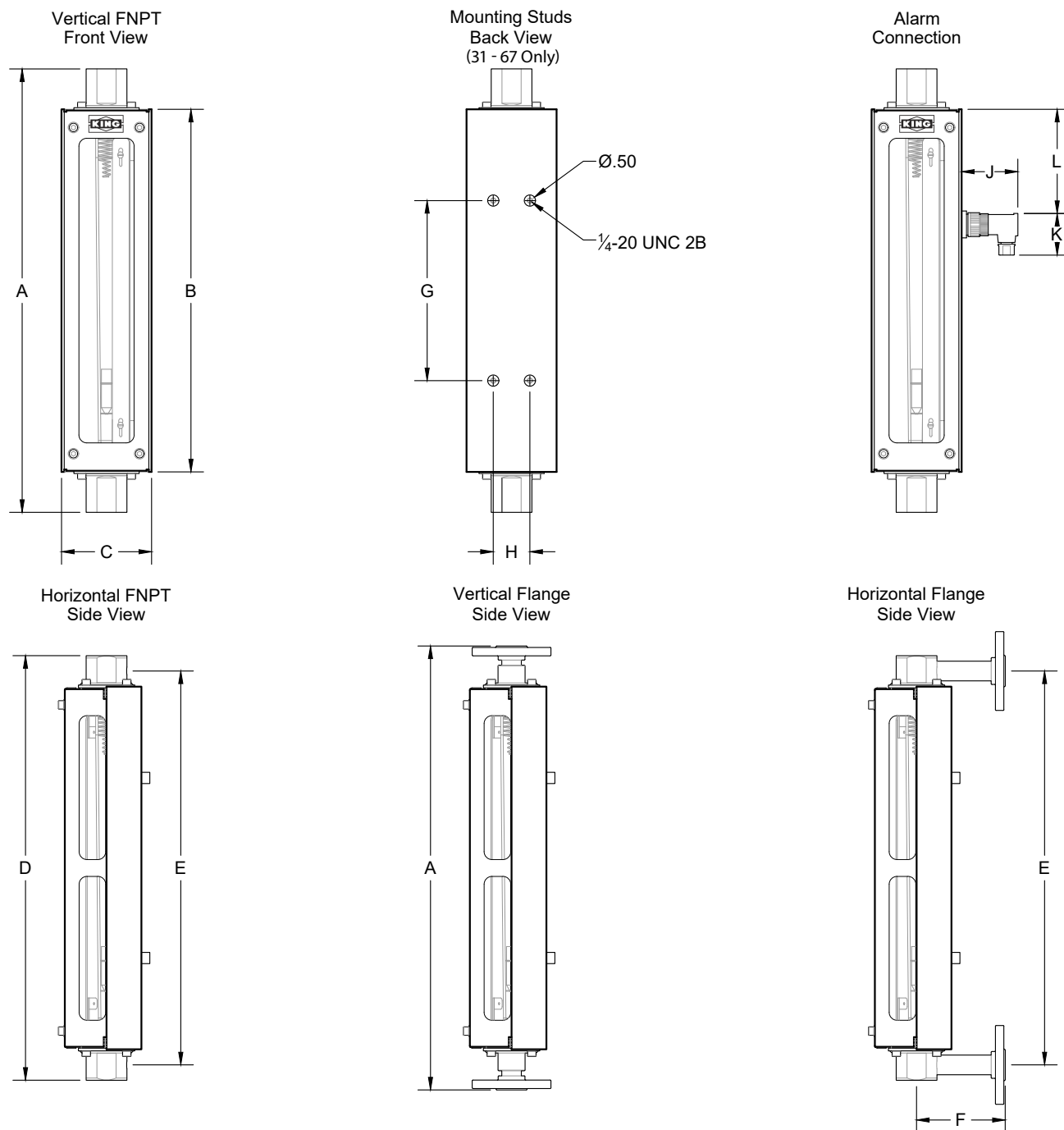
FLOATS



9000 Silver Series Specifications

GLASS TUBE

DIMENSION DIAGRAMS



Order Number	Case And Fittings (Inches)					Mounting			Alarm Connection		
	A	B	C	D	E	F	G	H	J	K	L
31 - 47	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
51 - 67	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
81 - 95	19.78	16.3	5.75	23.26	20.5	5.12	*	*	2.5	1.85	4.83

* MOUNTING STUDS ARE NOT AVAILABLE IN SIZE 8 AND 9

9000 Silver Series Specifications

GLASS TUBE

Order Number	Full Scale Flow GPM - Water	Full Scale Flow SCFM - Air	Float Number	Float Type	Alarm Option	Pressure Drop (Inches of Water)	Connection Size FNPT	Flange
31	0.23	1.15	3-BLG-01	BL	No	4	1/2"	1/2"
32	0.49	2.10	3-BLG-02	BL	No	4	1/2"	1/2"
33	.64	2.64	3-HFG-01	HF	Yes	4	1/2"	1/2"
34	.77	3.20	3-LJG-01	LJ	Yes	4	1/2"	1/2"
41	1.1	4.20	4-GVG-01	GV	Yes	6	1/2"	1/2"
42	1.3	5.50	4-GSG-01	GS	Yes	6	1/2"	1/2"
43	1.5	6.20	4-GVG-02	GV	Yes	8	1/2"	1/2"
44	1.8	7.60	4-GSG-02	GS	Yes	9	1/2"	1/2"
45	2.2	9.00	4-GSG-03	GS	Yes	15	1/2"	1/2"
46	2.5	10.2	4-GSG-03	GS	Yes	19	1/2"	1/2"
47	3.4	14.0	4-GSG-04	GS	Yes	27	1/2"	1/2"
51	2.5	10.0	5-GVG-01	GV	Yes	6	3/4"	1"
52	3.0	12.0	5-GSG-01	GS	Yes	6	3/4"	1"
53	3.5	14.4	5-GSG-02	GS	Yes	10	3/4"	1"
54	4.0	16.4	5-GVG-02	GV	Yes	15	3/4"	1"
55	5.0	20.0	5-LJG-01	LJ	Yes	41	3/4"	1"
61	6.5	26.8	6-GSG-01	GS	Yes	13	3/4"	1"
62	7.0	28.8	6-GVG-01	GV	Yes	20	3/4"	1"
63	8.2	34.0	6-GSG-02	GS	Yes	27	3/4"	1"
64	10.5	44.0	6-GVG-02	GV	Yes	30	3/4"	1"
65	13.0	54.0	6-GSG-03	GS	Yes	32	3/4"	1"
66	16.0	66.0	6-GVG-03	GV	Yes	48	3/4"	1"
67	20.0	82.0	6-HFG-01	HF	Yes	97	3/4"	1"
81	15.0	61.0	8-GVG-01	GV	Yes	8	1 1/2"	1 1/2"
82	20.0	82.0	8-GVG-02	GV	Yes	13	1 1/2"	1 1/2"
83	25.0	103.0	8-GVG-03	GV	Yes	22	1 1/2"	1 1/2"
84	28.0	122.0	8-GSG-01	GS	Yes	30	1 1/2"	1 1/2"
85	32.0	145.0	8-GSG-02	GS	Yes	24	1 1/2"	1 1/2"
86	36.0	155.0	8-HFG-01	HF	Yes	43	1 1/2"	1 1/2"
91	41.0	165.0	9-GVG-01	GV	Yes	28	1 1/2"	1 1/2"
92	50.0	195.0	9-GVG-02	GV	Yes	44	1 1/2"	1 1/2"
93	60.0	245.0	9-GSG-01	GS	Yes	36	1 1/2"	1 1/2"
94	70.0	285.0	9-HFG-01	HF	Yes	62	1 1/2"	1 1/2"
95	85.0	---	9-LJG-01	LJ	Yes	88	1 1/2"	1 1/2"

* MOUNTING STUDS ARE NOT AVAILABLE IN SIZE 8 AND 9

ORDERING:

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

Meter Series	Fitting Type/Material	Float Material	O-Ring Material	Order Number	Scale	Alarm
9 0 0	Vertical FNPT - 316L SS - 1	316L SS - 2	EPR - 1	See Specification	Water GPM - W	No Alarm - 0
	Horizontal FNPT - 316L SS - 2	Hastelloy® C-276 - 4	Buna-N - 2	above	Air SCFM - A	With Alarm - 1
	Vertical Flange -316L SS - 150# - 3	Glass - 5 (31A & 31W only)	Viton® - 3		Non Standard - N	Dual Alarm - 2
	Horizontal Flange -316L SS- 150# - 4		Kalrez® - 4			See Specification
	Vertical Flange -316L SS - 300# - 5					table for availability
	Horizontal Flange -316L SS - 300# - 6					
	Vertical FNPT - PVDF - 7					
	Horizontal FNPT - PVDF - 8					