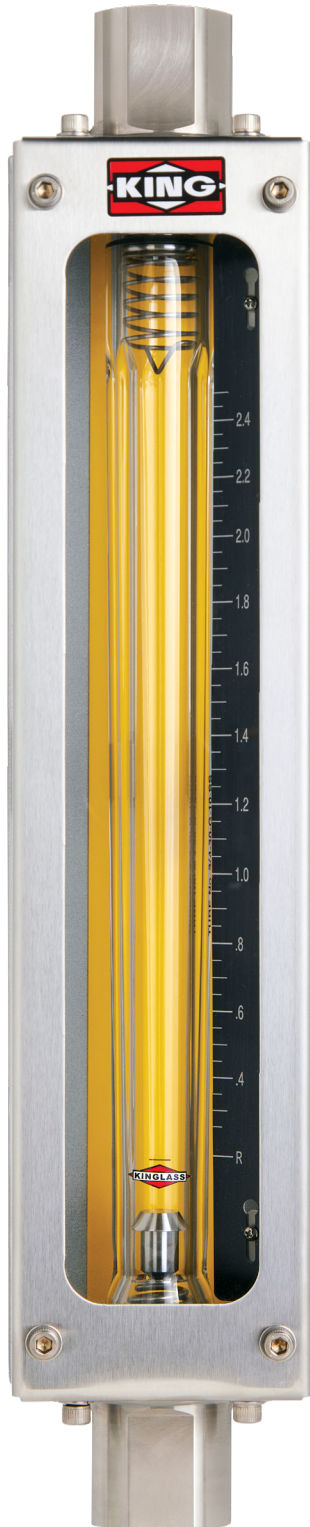


# 9000 Silver Series

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 precision molded polycarbonat shield will tolerate most corrosive applications.



## 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: PVDF (FNPT Only)
<b>Inlet/Outlet Fittings</b>	FNPT or flange, vertical or horizontal
<b>O-Ring</b>	Standard: Viton® Optional: Buna N, EPR, and Kalrez®
<b>Case</b>	Powder-coated 304 SS
<b>Cover</b>	Polycarbonate shield with 304SS cover

## PERFORMANCE

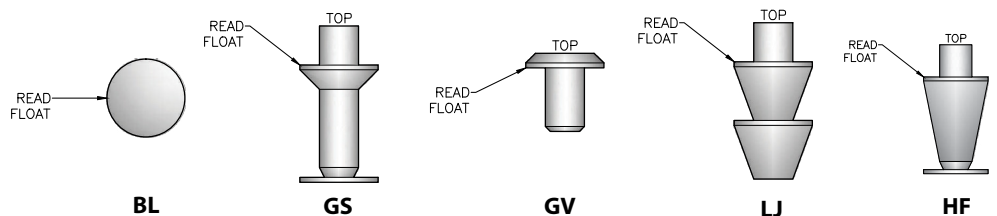
<b>Capacities</b>	Water 0.23 to 85 GPM Air 1.15 to 285 SCFM
<b>Scale</b>	Size 3 to 6 250 mm (10") Size 8 to 9 200 mm (8") direct reading, detachable scales
<b>Accuracy</b>	± 2% of full scale flow
<b>Turndown</b>	10:1
<b>Repeatability</b>	0.5%
<b>Maximum Temperature</b>	316L SS fittings 200° F (93° C)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

## OPTIONS

<b>Alarm</b>	Latching Reed Switch (See page 64)
<b>Certified Calibrations</b>	Conform to ISA RP 16.6
<b>Scales</b>	Any volumetric unit.

## FLOATS

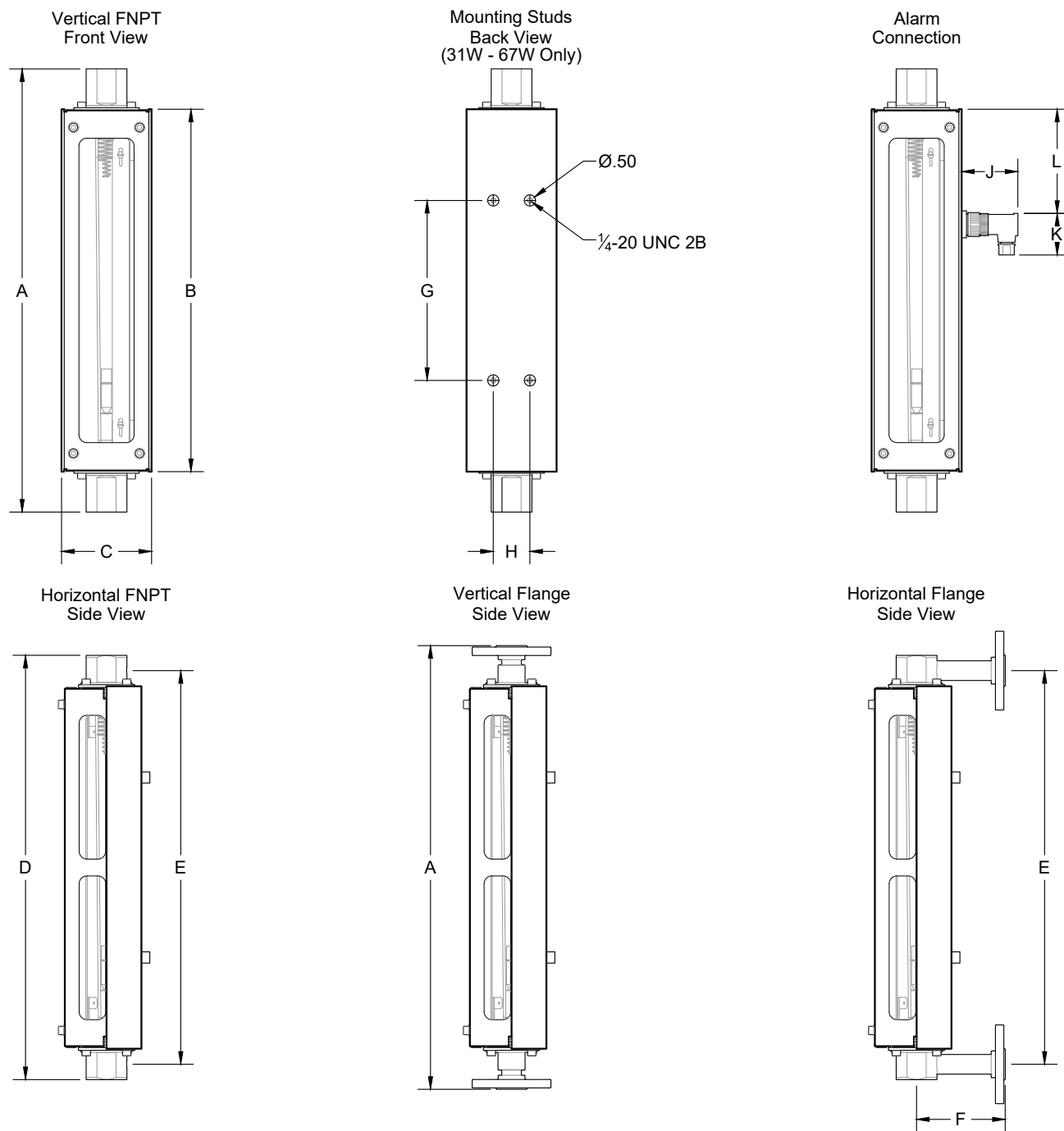
Options for rotameter float materials and designs extend flow ranges for different fluids within a given rotameter tube design.



# 9000 Silver Series Specifications

GLASS TUBE

## DIMENSION DIAGRAMS



Water Order Number	Air Order Number	CASE AND FITTINGS (INCHES)					MOUNTING			ALARM CONNECTION		
		A	B	C	D	E	F	G	H	J	K	L
31W - 47W	31A - 47A	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
51W - 67W	51A - 67A	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
81W - 95W	81A - 94A	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	Order Number	Full Scale Flow SCFM - Air	Float Number	Float Type	Alarm Option	Pressure Drop (Inches of Water)	Connection Size FNPT	Connection Size Flange
31W	0.23	31A	1.15	3-BLG-01	BL	No	4	1/2"	1/2"
32W	0.49	32A	2.10	3-BLG-02	BL	No	4	1/2"	1/2"
33W	.64	33A	2.64	3-HFG-01	HF	Yes	4	1/2"	1/2"
34W	.77	34A	3.20	3-LJG-01	LJ	Yes	4	1/2"	1/2"
41W	1.1	41A	4.20	4-GVG-01	GV	Yes	6	1/2"	1/2"
42W	1.3	42A	5.50	4-GSG-01	GS	Yes	6	1/2"	1/2"
43W	1.5	43A	6.20	4-GVG-02	GV	Yes	8	1/2"	1/2"
44W	1.8	44A	7.60	4-GSG-02	GS	Yes	9	1/2"	1/2"
45W	2.2	45A	9.00	4-GSG-03	GS	Yes	15	1/2"	1/2"
46W	2.5	46A	10.2	4-GSG-03	GS	Yes	19	1/2"	1/2"
47W	3.4	47A	14.0	4-GSG-04	GS	Yes	27	1/2"	1/2"
51W	2.5	51A	10.0	5-GVG-01	GV	Yes	6	3/4"	1"
52W	3.0	52A	12.0	5-GSG-01	GS	Yes	6	3/4"	1"
53W	3.5	53A	14.4	5-GSG-02	GS	Yes	10	3/4"	1"
54W	4.0	54A	16.4	5-GVG-02	GV	Yes	15	3/4"	1"
55W	5.0	55A	20.0	5-LJG-01	LJ	Yes	41	3/4"	1"
61W	6.5	61A	26.8	6-GSG-01	GS	Yes	13	3/4"	1"
62W	7.0	62A	28.8	6-GVG-01	GV	Yes	20	3/4"	1"
63W	8.2	63A	34.0	6-GSG-02	GS	Yes	27	3/4"	1"
64W	10.5	64A	44.0	6-GVG-02	GV	Yes	30	3/4"	1"
65W	13.0	65A	54.0	6-GSG-03	GS	Yes	32	3/4"	1"
66W	16.0	66A	66.0	6-GVG-03	GV	Yes	48	3/4"	1"
67W	20.0	67A	82.0	6-HFG-01	HF	Yes	97	3/4"	1"
81W	15.0	81A	61.0	8-GVG-01	GV	Yes	8	1 1/2"	1 1/2"
82W	20.0	82A	82.0	8-GVG-02	GV	Yes	13	1 1/2"	1 1/2"
83W	25.0	83A	103.0	8-GVG-03	GV	Yes	22	1 1/2"	1 1/2"
84W	28.0	84A	122.0	8-GSG-01	GS	Yes	30	1 1/2"	1 1/2"
85W	32.0	85A	145.0	8-GSG-02	GS	Yes	24	1 1/2"	1 1/2"
86W	36.0	86A	155.0	8-HFG-01	HF	Yes	43	1 1/2"	1 1/2"
91W	41.0	91A	165.0	9-GVG-01	GV	Yes	28	1 1/2"	1 1/2"
92W	50.0	92A	195.0	9-GVG-02	GV	Yes	44	1 1/2"	1 1/2"
93W	60.0	93A	245.0	9-GSG-01	GS	Yes	36	1 1/2"	1 1/2"
94W	70.0	94A	285.0	9-HFG-01	HF	Yes	62	1 1/2"	1 1/2"
95W	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	Alarm
9 0 0	Vertical FNPT - 316L SS - 1 Horizontal FNPT - 316L SS - 2 Vertical Flange -316L SS - 150# - 3 Horizontal Flange -316L SS- 150# - 4 Vertical Flange -316L SS - 300# - 5 Horizontal Flange -316L SS - 300# - 6 Vertical FNPT - PVDF - 7 Horizontal FNPT - PVDF - 8	316L SS - 2 Hastelloy® C-276 - 4 Glass - 5 (For 31A & 31W only)	EPR - 1 Buna-N - 2 Viton® - 3 Kalrez® - 4	See Specification above	No Alarm - 0 With Alarm - 1 Dual Alarm - 2 See Specification table for availability