

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 polycarbonate 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, EPDM, and Kalrez®
<b>Case</b>	Powder-coated 304 SS
<b>Cover</b>	Molded polycarbonate shield

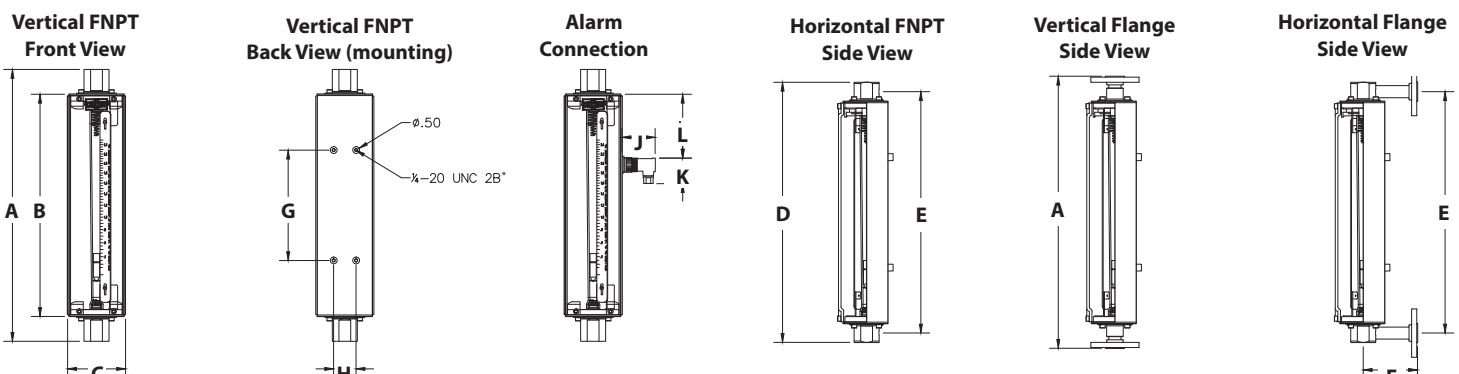
## PERFORMANCE

<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 125° F (1° C to 52° C)

## OPTIONS

<b>Alarm</b>	Latching Reed Switch
<b>Valve</b>	External valve - 316L SS (size 3 to size 6 FNPT only)
<b>Certified Calibrations</b>	Conform to ISA RP 16.6
<b>Scales</b>	Any volumetric unit.

## DIMENSION DIAGRAM See Specification table on page 43



Order Number	Full Scale Flow GPM Water	Order Number	Full Scale Flow SCFM Air	Float Number	Float Type	Alarm Option	Press. Drop In W.C	Connection Size		Case And Fittings (inches)						Mounting		Alarm Connection		
								FNPT	Flange	A	B	C	D	E	F	G	H	J	K	L
31W	0.23	31A	1.15	3-BLG-01	BL	No	4	1/2"	1/2"	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
32W	0.49	32A	2.10	3-BLG02	BL	No	4	1/2"	1/2"	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
33W	.64	33A	2.64	3-HFG-01	HF	Yes	4	1/2"	1/2"	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
34W	.77	34A	3.20	3-LJG-01	LJ	Yes	4	1/2"	1/2"	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
41W	1.1	41A	4.20	4-GVG-01	GV	Yes	6	1/2"	1/2"	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
42W	1.3	42A	5.50	4-GSG-01	GS	Yes	6	1/2"	1/2"	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
43W	1.5	43A	6.20	4-GVG-02	GV	Yes	8	1/2"	1/2"	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
44W	1.8	44A	7.60	4-GSG-02	GS	Yes	9	1/2"	1/2"	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
45W	2.2	45A	9.00	4-GSG-03	GS	Yes	15	1/2"	1/2"	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
46W	2.5	46A	10.2	4-GSG-03	GS	Yes	19	1/2"	1/2"	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
47W	3.4	47A	14.0	4-GSG-04	GS	Yes	27	1/2"	1/2"	19.70	16.1	4.13	18.86	17.5	3.94	8.00	1.63	2.5	1.85	4.63
51W	2.5	51A	10.0	5-GVG-01	GV	Yes	6	3/4"	1"	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
52W	3.0	52A	12.0	5-GSG-01	GS	Yes	6	3/4"	1"	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
53W	3.5	53A	14.4	5-GSG-02	GS	Yes	10	3/4"	1"	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
54W	4.0	54A	16.4	5-GVG-02	GV	Yes	15	3/4"	1"	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
55W	5.0	55A	20.0	5-LJG-01	LJ	Yes	41	3/4"	1"	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
61W	6.5	61A	26.8	6-GSG-01	GS	Yes	13	3/4"	1"	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
62W	7.0	62A	28.8	6-GVG-01	GV	Yes	20	3/4"	1"	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
63W	8.2	63A	34.0	6-GSG-02	GS	Yes	27	3/4"	1"	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
64W	10.5	64A	44.0	6-GVG-02	GV	Yes	30	3/4"	1"	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
65W	13.0	65A	54.0	6-GSG-03	GS	Yes	32	3/4"	1"	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
66W	16.0	66A	66.0	6-GVG-03	GV	Yes	48	3/4"	1"	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
67W	20.0	67A	82.0	6-HFG-01	HF	Yes	97	3/4"	1"	19.70	16.1	4.13	18.86	17.5	4.72	8.00	1.63	2.5	1.85	4.63
81W	15.0	81A	61.0	8-GVG-01	GV	Yes	8	1 1/2"	1 1/2"	19.78	16.3	5.75	23.26	20.5	5.12	*	*	2.5	1.85	4.83
82W	20.0	82A	82.0	8-GVG-02	GV	Yes	13	1 1/2"	1 1/2"	19.78	16.3	5.75	23.26	20.5	5.12	*	*	2.5	1.85	4.83
83W	25.0	83A	103.0	8-GVG-03	GV	Yes	22	1 1/2"	1 1/2"	19.78	16.3	5.75	23.26	20.5	5.12	*	*	2.5	1.85	4.83
84W	28.0	84A	122.0	8-GSG-01	GS	Yes	30	1 1/2"	1 1/2"	19.78	16.3	5.75	23.26	20.5	5.12	*	*	2.5	1.85	4.83
85W	32.0	85A	145.0	8-GSG-02	GS	Yes	24	1 1/2"	1 1/2"	19.78	16.3	5.75	23.26	20.5	5.12	*	*	2.5	1.85	4.83
86W	36.0	86A	155.0	8-HFG-01	HF	Yes	43	1 1/2"	1 1/2"	19.78	16.3	5.75	23.26	20.5	5.12	*	*	2.5	1.85	4.83
91W	41.0	91A	165.0	9-GVG-01	GV	Yes	28	1 1/2"	1 1/2"	19.78	16.3	5.75	23.26	20.5	5.12	*	*	2.5	1.85	4.83
92W	50.0	92A	195.0	9-GVG-02	GV	Yes	44	1 1/2"	1 1/2"	19.78	16.3	5.75	23.26	20.5	5.12	*	*	2.5	1.85	4.83
93W	60.0	93A	245.0	9-GSG-01	GS	Yes	36	1 1/2"	1 1/2"	19.78	16.3	5.75	23.26	20.5	5.12	*	*	2.5	1.85	4.83
94W	70.0	94A	285.0	9-HFG-01	HF	Yes	62	1 1/2"	1 1/2"	19.78	16.3	5.75	23.26	20.5	5.12	*	*	2.5	1.85	4.83
95W	85.0	---	---	9-LJG-01	LJ	Yes	88	1 1/2"	1 1/2"	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

### 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	Optional Alarm
9 0 0	Vertical FNPT - 316L SS - 1	316L SS - 2	EPR - 1	See Specification	No Alarm - 0
	Horizontal FNPT - 316L SS - 2	Hastelloy® C-276 - 4	Buna-N - 2	table above	With Alarm - 1
	Vertical Flange -316L SS - 150# - 3	Glass - 5 (For 31A & 31W only)	Viton® - 3		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				