

An economical 304 stainless steel case with a molded polysulfone metering tube for lighter duty applications where a case enclosed meter is preferred.



## DESCRIPTION

<b>Metering Tube</b>	Molded polysulfone
<b>Internal Components</b>	316L SS, Teflon®, PVDF Polysulfone or Hastelloy® C-276
<b>Fitting Material</b>	Standard: 316L SS Optional: PVC, PVDF
<b>Inlet/Outlet Fittings</b>	FNPT, vertical
<b>O-Ring</b>	Standard: Viton® Optional: Buna N, EPR, and Kalrez®
<b>Case and Shield</b>	304 SS case Polycarbonate shield

## PERFORMANCE

<b>Capacities</b>	Water (PVDF float) 0.5 GPM Water (Teflon® float) 1 to 100 GPM Water (Metal float) 1.5 to 160 GPM Air 6.1 to 330 SCFM
<b>Scale</b>	127 mm (5") direct reading, detachable
<b>Accuracy</b>	± 3% of full scale flow ± 5% of full scale flow (120 & 150 GPM Metal floats) ± 6% of full scale flow (Teflon® & PVDF floats)
<b>Turndown</b>	10:1
<b>Repeatability</b>	1/2% 1% (120 & 150 GPM Metal floats) 1% (Teflon® & PVDF floats)
<b>Maximum Temperature</b>	316L SS fittings 200° F (93° C) PVC fittings 130° F (54° C)
<b>Maximum Pressure</b>	316L SS fittings 200 psig PVC & PVDF fittings 150 psig (sizes 41W to 72W) PVC & PVDF fittings 125 psig (sizes 90W to 103W)
<b>Ambient Temperature</b>	33° F to 125° F (1° C to 52° C)

## OPTIONS

<b>Alarm</b>	Latching Reed Switch (See page 60)
<b>Certified Calibrations</b>	Conform to ISA RP 16.6
<b>Scales</b>	Any volumetric unit

## FLOATS

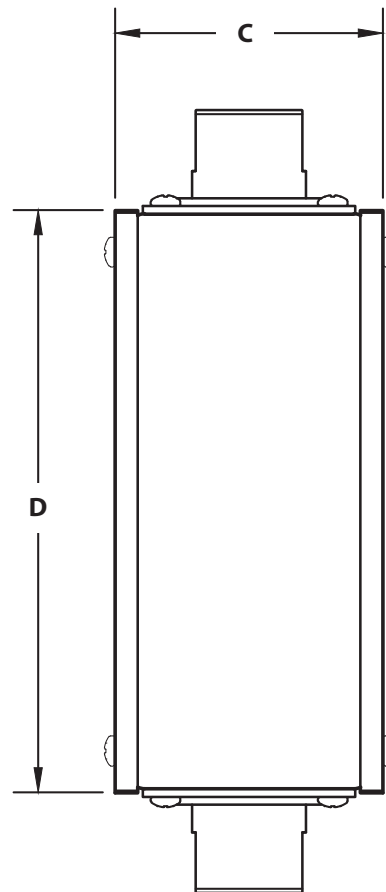
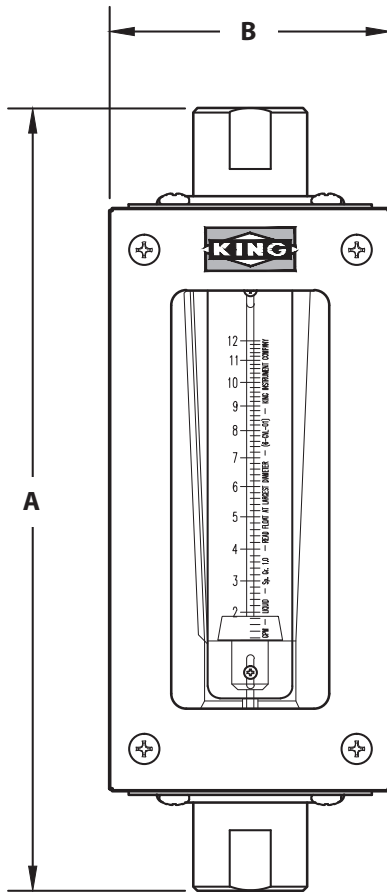
Options for rotameter float materials and designs extend flow ranges for different fluids within a given rotameter tube design.



## DIMENSIONS - WATER & AIR METERING

Order Number Water	Order Number Air	Dimensions (Inches)				Connection Size
		A	B	C	D	
41W - 46W	43A - 44A	12.875	4.625	4.50	9.58	1/2" FNPT
51W - 56W	53A - 54A	12.875	4.625	4.50	9.58	3/4" FNPT
61W - 72W	65A - 67A	12.875	4.625	4.50	9.58	1" FNPT
90W - 103W	99A, 95A	16.000	6.250	6.25	13.25	2" FNPT

## DIMENSION DIAGRAMS



## SPECIFICATIONS – WATER

Order Number	Flow Range Water	Float Material	Float Number	Float Type	Alarm Option
41W	0.5 GPM	PVDF	4-TSL-01	SL	no
42W	1 GPM	Teflon®	4-TSL-02	SL	yes
43W	1.5 GPM	316L SS	4-SSL-01	SL	yes
44W	3 GPM	316L SS	4-SSL-02	SL	yes
45W	1.6 GPM	Hastelloy®	4-HSL-01	SL	yes
46W	3.2 GPM	Hastelloy®	4-HSL-02	SL	yes
51W	2.4 GPM	Teflon®	5-TSL-01	SL	yes
52W	5 GPM	Teflon®	5-TSL-02	SL	yes
53W	6 GPM	316L SS	5-SSL-01	SL	yes
54W	10 GPM	316L SS	5-SSL-02	SL	yes
55W	6.3 GPM	Hastelloy®	5-HSL-01	SL	yes
56W	10.6 GPM	Hastelloy®	5-HSL-02	SL	yes
61W	7.6 GPM	Teflon®	6-TSL-01	SL	yes
62W	10 GPM	Teflon®	6-TSL-02	SL	yes
63W	15 GPM	Teflon®	6-TSL-03	SL	yes
64W	20 GPM	Teflon®	6-TSL-04	SL	yes
65W	12 GPM	316L SS	6-GVL-01	GV	yes
66W	18 GPM	316L SS	6-SSL-02	SL	yes
67W	25 GPM	316L SS	6-SSL-03	SL	yes
68W	35 GPM	316L SS	6-SSL-04	SL	yes
69W	13 GPM	Hastelloy®	6-HSL-01	SL	yes
70W	19 GPM	Hastelloy®	6-HSL-02	SL	yes
71W	26.5 GPM	Hastelloy®	6-HSL-03	SL	yes
72W	37 GPM	Hastelloy®	6-HSL-04	SL	yes
90W	40 GPM	Teflon®	9-TSL-00	SL	yes
91W	60 GPM	Teflon®	9-TSL-01	SL	yes
92W	80 GPM	Teflon®	9-TSL-02	SL	yes
94W	100 GPM	Teflon®	9-TSL-04	SL	yes
99W	60 GPM	316L SS	9-SSL-00	SL	yes
95W	80 GPM	316L SS	9-SSL-01	SL	yes
96W	100 GPM	316L SS	9-SSL-02	SL	yes
97W	120 GPM	316L SS	9-SSL-03	SL	yes
98W	150 GPM	316L SS	9-SSL-04	SL	yes
100W	84 GPM	Hastelloy®	9-HSL-01	SL	yes
101W	106 GPM	Hastelloy®	9-HSL-02	SL	yes
102W	126 GPM	Hastelloy®	9-HSL-03	SL	yes
103W	160 GPM	Hastelloy®	9-HSL-04	SL	yes

## SPECIFICATIONS – AIR

Order Number	Flow Range Air	Float Material	Float Number	Float Type	Alarm Option
43A	6.1 SCFM	316L SS	4-SSL-01	SL	yes
44A	12.4 SCFM	316L SS	4-SSL-02	SL	yes
53A	25 SCFM	316L SS	5-SSL-01	SL	no
54A	41 SCFM	316L SS	5-SSL-02	SL	yes
65A	50 SCFM	316L SS	6-GVL-01	GV	yes
66A	76 SCFM	316L SS	6-SSL-02	SL	yes
67A	100 SCFM	316L SS	6-SSL-03	SL	yes
99A	245 SCFM	316L SS	9-SSL-00	SL	yes
95A	330 SCFM	316L SS	9-SSL-01	SL	yes

### ORDERING:

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

7	3	1	1						
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#### Meter Series

316L SS - 2  
PVC\* - 3  
PVDF\* - 7

\* Not for air service.

#### Float Material

316L SS - 2  
Hastelloy® C-276 - 4  
Teflon® - 6  
PVDF - 7

Teflon® is a registered trademark of the Chemours Company

#### O-ring Material

EPR - 1  
Buna-N - 2  
Viton® - 3  
Kalrez® - 4

#### Optional Alarm\*

No Alarm - 0  
With Alarm - A

#### Order Number

See Specification above

\* Flow rates may vary for meter with alarms and Teflon floats