

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 Polysulfone or Hastelloy® C-276
<b>Fitting Material</b>	Standard: 316L SS Optional: PVC
<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 (Teflon float) 0.5 to 100 GPM Water (Metal float) 1.5 to 160 GPM Air 6.1 to 33 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® floats)
<b>Turndown</b>	10:1
<b>Repeatability</b>	1/2% 1% (120 & 150 GPM Metal floats) 1% (Teflon® 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
<b>Certified Calibrations</b>	Conform to ISA RP 16.6
<b>Scales</b>	Any volumetric unit

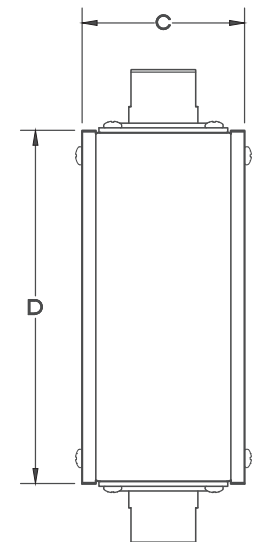
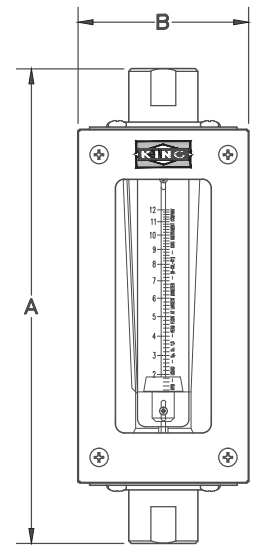
# 7310 Series Specifications

# Polysulfone Tube

## SPECIFICATIONS – WATER METERING

Order Number	Flow Range Water	Float Material	Float Number	Alarm Option	Dimensions (Inches)				Connection Size
					A	B	C	D	
41W	0.5 GPM	PVDF	4-TSL-01	no	12.875	4.625	4.50	9.58	1/2" FNPT
42W	1 GPM	Teflon®	4-TSL-02	yes	12.875	4.625	4.50	9.58	1/2" FNPT
43W	1.5 GPM	316L SS	4-SSL-01	yes	12.875	4.625	4.50	9.58	1/2" FNPT
44W	3 GPM	316L SS	4-SSL-02	yes	12.875	4.625	4.50	9.58	1/2" FNPT
45W	1.6 GPM	Hastelloy®	4-HSL-01	yes	12.875	4.625	4.50	9.58	1/2" FNPT
46W	3.2 GPM	Hastelloy®	4-HSL-02	yes	12.875	4.625	4.50	9.58	1/2" FNPT
51W	2.4 GPM	Teflon®	5-TSL-01	yes	12.875	4.625	4.50	9.58	3/4" FNPT
52W	5 GPM	Teflon®	5-TSL-02	yes	12.875	4.625	4.50	9.58	3/4" FNPT
53W	6 GPM	316L SS	5-SSL-01	yes	12.875	4.625	4.50	9.58	3/4" FNPT
54W	10 GPM	316L SS	5-SSL-02	yes	12.875	4.625	4.50	9.58	3/4" FNPT
55W	6.3 GPM	Hastelloy®	5-HSL-01	yes	12.875	4.625	4.50	9.58	3/4" FNPT
56W	10.6 GPM	Hastelloy®	5-HSL-02	yes	12.875	4.625	4.50	9.58	3/4" FNPT
61W	7.6 GPM	Teflon®	6-TSL-01	yes	12.875	4.625	4.50	9.58	1" FNPT
62W	10 GPM	Teflon®	6-TSL-02	yes	12.875	4.625	4.50	9.58	1" FNPT
63W	15 GPM	Teflon®	6-TSL-03	yes	12.875	4.625	4.50	9.58	1" FNPT
64W	20 GPM	Teflon®	6-TSL-04	yes	12.875	4.625	4.50	9.58	1" FNPT
65W	12 GPM	316L SS	6-GVL-01	yes	12.875	4.625	4.50	9.58	1" FNPT
66W	18 GPM	316L SS	6-SSL-02	yes	12.875	4.625	4.50	9.58	1" FNPT
67W	25 GPM	316L SS	6-SSL-03	yes	12.875	4.625	4.50	9.58	1" FNPT
68W	35 GPM	316L SS	6-SSL-04	yes	12.875	4.625	4.50	9.58	1" FNPT
69W	13 GPM	Hastelloy®	6-HSL-01	yes	12.875	4.625	4.50	9.58	1" FNPT
70W	19 GPM	Hastelloy®	6-HSL-02	yes	12.875	4.625	4.50	9.58	1" FNPT
71W	26.5 GPM	Hastelloy®	6-HSL-03	yes	12.875	4.625	4.50	9.58	1" FNPT
72W	37 GPM	Hastelloy®	6-HSL-04	yes	12.875	4.625	4.50	9.58	1" FNPT
90W	40 GPM	Teflon®	9-TSL-00	yes	16.000	6.250	6.25	13.25	2" FNPT
91W	60 GPM	Teflon®	9-TSL-01	yes	16.000	6.250	6.25	13.25	2" FNPT
92W	80 GPM	Teflon®	9-TSL-02	yes	16.000	6.250	6.25	13.25	2" FNPT
94W	100 GPM	Teflon®	9-TSL-04	yes	16.000	6.250	6.25	13.25	2" FNPT
99W	60 GPM	316L SS	9-SSL-00	yes	16.000	6.250	6.25	13.25	2" FNPT
95W	80 GPM	316L SS	9-SSL-01	yes	16.000	6.250	6.25	13.25	2" FNPT
96W	100 GPM	316L SS	9-SSL-02	yes	16.000	6.250	6.25	13.25	2" FNPT
97W	120 GPM	316L SS	9-SSL-03	yes	16.000	6.250	6.25	13.25	2" FNPT
98W	150 GPM	316L SS	9-SSL-04	yes	16.000	6.250	6.25	13.25	2" FNPT
100W	84 GPM	Hastelloy®	9-HSL-01	yes	16.000	6.250	6.25	13.25	2" FNPT
101W	106 GPM	Hastelloy®	9-HSL-02	yes	16.000	6.250	6.25	13.25	2" FNPT
102W	126 GPM	Hastelloy®	9-HSL-03	yes	16.000	6.250	6.25	13.25	2" FNPT
103W	160 GPM	Hastelloy®	9-HSL-04	yes	16.000	6.250	6.25	13.25	2" FNPT

## DIMENSION DIAGRAM



## SPECIFICATIONS – AIR METERING

Order Number	Flow Range Air	Float Material	Float Number	Alarm Option	Dimensions (Inches)				Connection Size
					A	B	C	D	
43A	6.1 SCFM	316L SS	4-SSL-01	yes	12.875	4.625	4.50	9.58	1/2" FNPT
44A	12.4 SCFM	316L SS	4-SSL-02	yes	12.875	4.625	4.50	9.58	1/2" FNPT
53A	25 SCFM	316L SS	5-SSL-01	no	12.875	4.625	4.50	9.58	3/4" FNPT
54A	41 SCFM	316L SS	5-SSL-02	yes	12.875	4.625	4.50	9.58	3/4" FNPT
65A	50 SCFM	316L SS	6-GVL-01	yes	12.875	4.625	4.50	9.58	1" FNPT
66A	76 SCFM	316L SS	6-SSL-02	yes	12.875	4.625	4.50	9.58	1" FNPT
67A	100 SCFM	316L SS	6-SSL-03	yes	12.875	4.625	4.50	9.58	1" FNPT
99A	245 SCFM	316L SS	9-SSL-00	yes	16.000	6.250	6.25	13.25	2" FNPT
95A	330 SCFM	316L SS	9-SSL-01	yes	16.000	6.250	6.25	13.25	2" FNPT

## ORDERING:

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

7	3	1	1						
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Meter Series	Fitting Material	Float Material	O-ring Material	Optional Alarm	Order Number
	316L SS - 2	316L SS - 2	EPR - 1	No Alarm - 0	See Specification table above
	PVC* - 3	Hastelloy® C-276 - 4	Buna-N - 2	With Alarm - A	
	PVDF* - 7	Teflon® - 6	Viton® - 3		
		PVDF - 7	Kalrez® - 4		

\* Not for air service