

Union ends simplify installation and maintenance. With the Teflon® float option these meters are excellent for applications where no metal is preferred. Socket weld end connections available



DESCRIPTION

Metering Tube

Molded Polysulfone

Internal Components

316L Stainless Steel, Teflon®
Polysulfone or Hastelloy® C-276

Inlet/Outlet Fittings

FNPT, Vertical

Fitting Material

Standard: PVC
Optional: PVDF

Elastomers

Standard: Viton®
Optional: Buna N, EPR, and Kalrez®

PERFORMANCE

Capacities

0.5 to 100 GPM — Water (Teflon® float)
1.5 to 160 GPM — Water (Metal float)

Scale

127 mm (5") Direct reading, detachable

Accuracy

± 3% of Full Scale Flow
± 5% of Full Scale Flow (120 & 150 GPM Metal floats)
± 6% of Full Scale Flow (Teflon® floats)

Turndown

10:1 to 12.5:1, unless otherwise indicated

Repeatability

1/2%
1% (120 & 150 GPM Metal floats)
1% (Teflon floats)

Max Temperature

PVC Fittings — 130° F (54° C)
PVDF Fittings — 200° F (93° C)

Max Pressure

PVC Fittings — 150 psig (sizes 41W - 72W)
PVC Fittings — 125 psig (size 90W - 103W)
PVDF Fittings — 150 psig (sizes 41W - 72W)
PVDF Fittings — 125 psig (size 90W - 103W)

Ambient Temperature

33° F to 125° F (1° C to 52° C)

OPTIONS

Alarm

Latching Reed Switch (see page 49)

Certified Calibrations

Conform to ISA RP 16.6

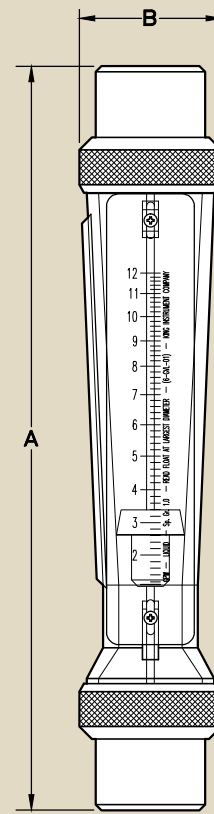
Scales

Can be produced in any volumetric unit

SPECIFICATIONS:

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

DIMENSION DIAGRAM



Order Number	Dimensions (Inches)		Connection Size
	A	B	
41W - 46W	10.00	1.375	1/2" FNPT
51W - 56W	10.00	1.750	3/4" FNPT
61W - 72W	11.75	2.250	1" FNPT
90W - 103W	16.00	3.785	2" FNPT

CAUTION: Polysulfone should not be used in direct sunlight or any other significant sources of UV light.

ORDERING:

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

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

* Not for air service