

7330 Series

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

NPT, Vertical
Socket weld end connections available.

Fitting Material

Standard: PVC
Optional: PVDF

Elastomers

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

Options

Alarm


Latching Reed Switch

Certified Calibrations

Conform to ISA RP 16.6

Scales

Can be produced in any volumetric unit



Alarm Options:

Latching Reed Switch
A latching reed switch is available for all 7300, 7600 and 7900 Series flowmeters. The switch is reed type and uses a biasing magnet to create a latching feature. The switch is classified as a simple apparatus by UL, FM, etc. and may be suitable for hazardous use when connected to an intrinsic safety barrier. Check your local electrical code for wiring specifications.

Switch Specifications
Switch Type: SPDT
Max Contact Voltage: 100 Vdc
Max Contact Current: 0.2 A
Max Contact Power: 4 W
Breakdown Voltage: 200 Vdc

Polysulfone Tube

Performance

Capacities

.5 to 100 GPM – Water (Teflon® float)
1.5 to 150 GPM – Water (Metal float)

Scale

127 mm (5")
Direct reading, detachable

Accuracy

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

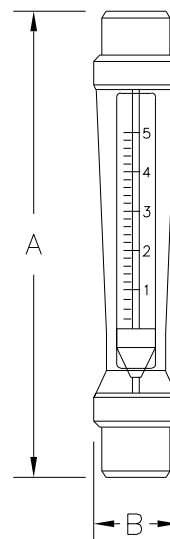
PVC Fittings – 130° F (54° C)
PVDF Fittings – 200° F (93° C)

Max Pressure

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

Ambient Temperature

33° F to 125° F (1° C to 52° C)



Refer to specification table
on page 11

7330 Series

Specifications:

Polysulfone Tube

Order Number	Flow Range Water	Float Material	Float Number	Alarm Option	Dimensions (Inches)		Connection Size
					A	B	
41W	.5 GPM	PVDF	4-TSL-01	yes	10	1.375	1/2" FNPT
42W	1 GPM	Teflon®	4-TSL-02	no	10	1.375	1/2" FNPT
43W	1.5 GPM	316L SS	4-SSL-01	no	10	1.375	1/2" FNPT
44W	3 GPM	316L SS	4-SSL-02	no	10	1.375	1/2" FNPT
45W	1.6 GPM	Hastelloy®	4-HSL-01	no	10	1.375	1/2" FNPT
46W	3.1 GPM	Hastelloy®	4-HSL-02	no	10	1.375	1/2" FNPT
51W	2.4 GPM	Teflon®	5-TSL-01	yes	10	1.750	3/4" FNPT
52W	5 GPM	Teflon®	5-TSL-02	no	10	1.750	3/4" FNPT
53W	6 GPM	316L SS	5-SSL-01	yes	10	1.750	3/4" FNPT
54W	10 GPM	316L SS	5-SSL-02	yes	10	1.750	3/4" FNPT
55W	6.3 GPM	Hastelloy®	5-HSL-01	no	10	1.750	3/4" FNPT
56W	10.6 GPM	Hastelloy®	5-HSL-02	yes	10	1.750	3/4" FNPT
61W	7.6 GPM	Teflon®	6-TSL-01	no	12	2.250	1" FNPT
62W	10 GPM	Teflon®	6-TSL-02	no	12	2.250	1" FNPT
63W	15 GPM	Teflon®	6-TSL-03	no	12	2.250	1" FNPT
64W	20 GPM	Teflon®	6-TSL-04	no	12	2.250	1" FNPT
65W	12 GPM	316L SS	6-GVL-01	no	12	2.250	1" FNPT
66W	18 GPM	316L SS	6-SSL-02	no	12	2.250	1" FNPT
67W	25 GPM	316L SS	6-SSL-03	no	12	2.250	1" FNPT
68W	35 GPM	316L SS	6-SSL-04	no	12	2.250	1" FNPT
69W	13 GPM	Hastelloy®	6-HSL-01	no	12	2.250	1" FNPT
70W	19 GPM	Hastelloy®	6-HSL-02	no	12	2.250	1" FNPT
71W	26.5 GPM	Hastelloy®	6-HSL-03	no	12	2.250	1" FNPT
72W	37 GPM	Hastelloy®	6-HSL-04	no	12	2.250	1" FNPT
90W	40 GPM	Teflon®	9-TSL-00	no	16	3.785	2" FNPT
91W	60 GPM	Teflon®	9-TSL-01	no	16	3.785	2" FNPT
92W	80 GPM	Teflon®	9-TSL-02	no	16	3.785	2" FNPT
94W	100 GPM	Teflon®	9-TSL-04	no	16	3.785	2" FNPT
99W	60 GPM	316L SS	9-SSL-00	no	16	3.785	2" FNPT
95W	80 GPM	316L SS	9-SSL-01	no	16	3.785	2" FNPT
96W	100 GPM	316L SS	9-SSL-02	no	16	3.785	2" FNPT
97W	120 GPM	316L SS	9-SSL-03	no	16	3.785	2" FNPT
98W	150 GPM	316L SS	9-SSL-04	no	16	3.785	2" FNPT
100W	84 GPM	Hastelloy®	9-HSL-01	no	16	3.785	2" FNPT
101W	106 GPM	Hastelloy®	9-HSL-02	no	16	3.785	2" FNPT
102W	126 GPM	Hastelloy®	9-HSL-03	no	16	3.785	2" FNPT
103W	160 GPM	Hastelloy®	9-HSL-04	no	16	3.785	2" FNPT

Caution: Polysulfone should not be used in direct sunlight or any other significant sources of Ultra-Violet light.

Ordering:

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

7	3	3	1						
Meter Series	Fitting Material	Float Material	O-Ring Material	Optional Alarm	Order Number				
	PVC - 3 PVDF - 7	316L SS - 2 Hastelloy® C-276 - 4 Teflon - 6 PVDF - 7	EPR - 1 Buna-N - 2 Viton® - 3 Kalrez® - 4	Without Alarm - 0 One Alarm - A	See Specifications Table				

Example: 7331 - 3 - 2 - 1 - 0 - 54W