

7650 Series

King Introduces a NEW chemical resistant, borosilicate glass tube meter series for liquid service. It features a clear polycarbonate shield surrounding the glass metering tube. It is assembled in a 304 SS tie rod frame. It offers CPVC and Hastelloy® C-276 as optional materials of construction. It is suitable for a wide range of chemical and corrosive applications. O-ring seals allow for easy disassembly and cleaning.

Description

Metering Tube

Borosilicate Glass

Internal Components

316L Stainless Steel

Hastelloy® C-276

Inlet/Outlet Fittings

NPT, Vertical

Fitting Material

PVC, CPVC

Elastomers

EPR, Buna-N

Viton®, Kalrez®

Options

Certified Calibrations

Conform to ISA RP 16.6

Scales

Can be produced in any volumetric unit



Glass Tube

Performance

Capacities

.50 to 26 GPM – Water

Scale

80 mm (3") , 127 mm (5")

Direct reading

Accuracy

± 5% of Full Scale Flow

Turndown

10:1 to 12.5:1 unless otherwise indicated

Repeatability

1/2 %

Max Temperature

140° F (60° C)

Max Pressure

100 psig

Ambient Temperature

33° F to 125° F (1° C to 52° C)

Float Types:



Semi Viscosity Compensation



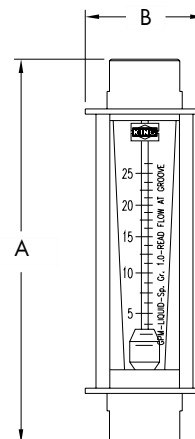
Maximum Viscosity Compensation



Lowest Pressure Loss



Maximum Flow



Dimensions (Inches)

Detail Letter	Scale length	
	80mm	127mm
A	9.00	12.25
B	2.75	2.75

Specifications:

80 mm (3 inch) Scale							
Order Number	Full Scale Flow GPM—Water	Float Number	Float Type	Pressure Drop In W.C.	Tube Size	Tube Number	Connection Size
41W	.5	1/2-LPG-04	LP	—	4G	1/2-24-G-3	1" - FNPT
42W	1.0	1/2-SLG-05	LP	5	4G	1/2-24-G-3	1" - FNPT
43W	2.0	1/2-SLG-01	SL	9	4G	1/2-24-G-3	1" - FNPT
44W	3.5	5/8-SLP-01	SL	9	4P	5/8-29-P-3	1" - FNPT
45W	5.6	5/8-SLP-02	SL	11	4P	5/8-29-P-3	1" - FNPT
46W	7.4	5/8-SLP-03	SL	15	4P	5/8-29-P-3	1" - FNPT
60W	10.0	1-GSP-01	LP	16	6P	1-35-P-3	1" - FNPT
61W	15.0	1-GSP-02	GS	24	6P	1-35-P-3	1" - FNPT
62W	25.0	1-SLG-01	SL	42	6P	1-35-P-3	1" - FNPT

127 mm (5 inch) Scale							
Order Number	Full Scale Flow GPM—Water	Float Number	Float Type	Pressure Drop In W.C.	Tube Size	Tube Number	Connection Size
31W	.25	3/8-LPG-01	LP	—	3G	3/8-20-G-5	1" - FNPT
32W	.36	3/8-SLG-01	SL	2	3G	3/8-20-G-5	1" - FNPT
33W	.74	3/8-SLG-02	SL	5	3G	3/8-20-G-5	1" - FNPT
47W	1.0	1/2-LPG-01	LP	6	4G	1/2-27-G-5	1" - FNPT
48W	2.0	1/2-SLG-01	GS	10	4G	1/2-27-G-5	1" - FNPT
51W	1.5	3/4-LPG-01	LP	3	5G	3/4-30-G-5	1" - FNPT
52W	3.8	3/4-GSG-01	GS	10	5G	3/4-30-G-5	1" - FNPT
53W	5.0	3/4-SLG-01	SL	14	5G	3/4-30-G-5	1" - FNPT
63W	6.0	1-GVP-01	GV	5	6P	1-33-P-5	1" - FNPT
64W	7.4	1-GVP-02	GV	6	6P	1-33-P-5	1" - FNPT
65W	9.6	1-GSP-01	GS	10	6P	1-33-P-5	1" - FNPT
66W	11.0	1-GSP-02	GS	13	6P	1-33-P-5	1" - FNPT
67W	14.0	1-GSP-03	GS	24	6P	1-33-P-5	1" - FNPT
68W	20.0	1-SLP-01	SL	39	6P	1-33-P-5	1" - FNPT
69W	26.0	1-SLP-02	SL	45	6P	1-33-P-5	1" - FNPT

Ordering:

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

Meter Series	Scale Size	Fitting Material	Float Material	O-Ring Material	Order Number
7 6 5	80 mm (3 inch) - 1	PVC - 3	316L SS - 2	EPR - 1	See Specifications Table
	127 mm (5 inch) - 2	CPVC - 4	Hastelloy® C-276 - 4	Buna-N - 2	
				Viton® - 3	
				Kalrez® - 4	

Example: 765 - 1 - 4 - 4 - 3 - 41W