7450 Series

Side plate style meters with 75 mm or 150 mm borosilicate glass tube and 316L stainless steel or brass connections. Valves optional. Available with Hastelloy®C-276 construction for greater chemical resistance.

DESCRIPTION

Metering Tube	Borosilicate Kinglass®
Internal Components	316L SS
Fitting Material	Brass or 316L SS
Inlet/Outlet Fittings	FNPT, horizontal Control valve optional
O-Ring	Standard: Viton Optional: Buna N, EPR, and Kalrez®

PERFORMANCE

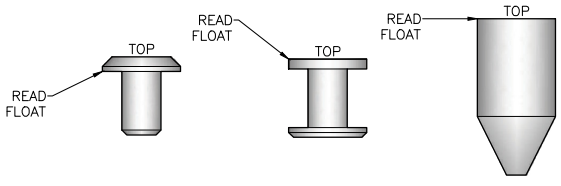
Capacities	Water 0.48 to 7.4 GPM Air 2 to 20 SCFM
Scale	75 mm (3"), 150 mm (6") direct reading, detachable
Accuracy	± 5% of full scale flow, 75 mm ± 3% of full scale flow, 150 mm
Turndown	10:1
Repeatability	1%
Maximum Temperature	Liquid 200° F (93° C) Gases 250° F (121° C)
Maximum Pressure	200 psig
Ambient Temperature	33° F to 125° F (1° C to 52° C)

OPTIONS

Certified Calibrations	Conform to ISA RP 16.6
Scales	Any volumetric unit

FLOATS

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



GV **LP** **SL**

7450 Specifications

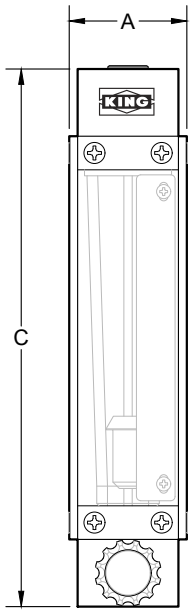
75mm (3″) Scale Models								
	Full Scale Flow							
	Water		Air					
Order Number	GPM	LPM	SCFM	SLPM	Float Number	Float Type	Tube Size	Tube Number*
3G1	.48	1.8	2.0	56	½-LPG-04	LP	.50″	½-24-G-3
3G2	1.0	3.8	4.0	112	½-LPG-05	LP	.50″	½-24-G-3
3G3	2.0	7.6	8.2	230	½-SLG-01	SL	.50″	½-24-G-3
3P1	2.5	9.4	10.0	280	⅝-GVP-01	GV	.625″	⅝-29-P-3
3P2	4.0	15.0	20.0	560	⅝-SLP-01	SL	.625″	⅝-29-P-3
3P3	5.6	21.0	—	—	⅝-SLP-02	SL	.625″	⅝-29-P-3
3P4	7.4	28.0	—	—	⅝-SLP-03	SL	.625″	⅝-29-P-3

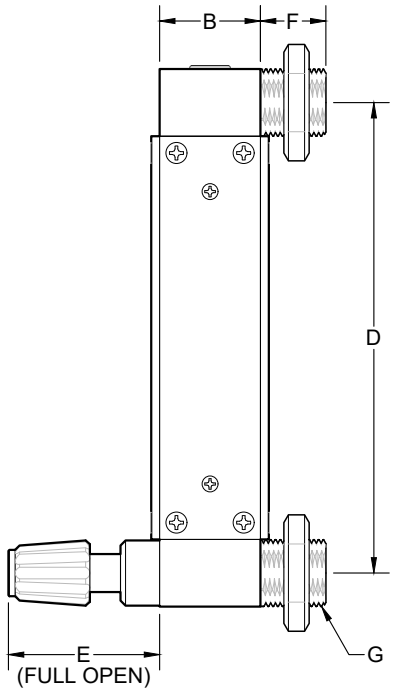
150mm (6″) Scale Models								
	Full Scale Flow							
	Water		Air					
Order Number	GPM	LPM	SCFM	SLPM	Float Number	Float Type	Tube Size	Tube Number*
6G1	0.5	1.9	2.0	57	½-LPG-04	LP	.50″	½-24-G-6
6G2	1.0	3.8	4.2	118	½-LPG-05	LP	.50″	½-24-G-6
6G3	2.0	7.6	8.2	230	½-SLG-01	SL	.50″	½-24-G-6
6P1	2.5	9.4	10.0	280	⅝-GVP-02	GV	.625″	⅝-32-P-6
6P2	4.0	15.0	20.0	560	⅝-SLP-04	SL	.625″	⅝-32-P-6
6P3	5.6	21.0	—	—	⅝-SLP-05	SL	.625″	⅝-32-P-6
6P4	7.4	28.0	—	—	⅝-SLP-06	SL	.625″	⅝-32-P-6

** Tubes designated "G" have rib-guided floats.*
Tubes designated "P" have pole-guided floats.

Order Number	Dimensions (Inches)					End Fitting	
	A	B	C	D	E	F	G
75mm (3″) Scale Models							
3G1 -3P4	1.75	1.50	8.00	7.00	2.25	.974	Ø1.00
150mm (6″) Scale Models							
6G1- 6P4	1.75	1.50	11.57	10.57	2.25	.974	Ø1.00

DIMENSION DIAGRAMS





ORDERING:

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

7	4	5																					

Meter Series

Order Number
See Specifications

Fitting Material
Brass - ⅜″ FNPT - 1
316L SS - ⅜″ FNPT - 2

O-Ring Material
EPR - 1
Buna-N - 2
Viton® - 3
Kalrez® - No Valve - 4
Kalrez® - Valve - 5

Scale
Millimeter - 1
GPM Water@70°F - 2
LPM Water@70°F - 3
SCFM Air@STP - 4
SLPM Air@STP - 5
Non standard - 6
Dual Scale - 9

Valve
Brass - Inlet - 1
Brass - Outlet - 2
No Valve - 3
316L SS - Inlet - 4
316L SS - Outlet - 5