

# 7450 Series

GLASS TUBE

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

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

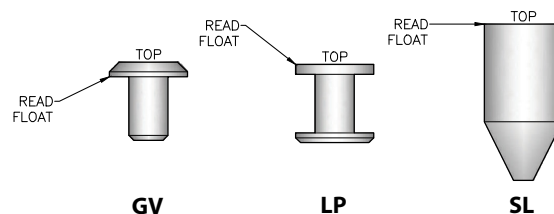
## PERFORMANCE

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

## OPTIONS

<b>Certified Calibrations</b>	Conform to ISA RP 16.6
<b>Scales</b>	Any volumetric unit

## FLOATS



# 7450 Specifications

GLASS TUBE

## 75mm (3") Scale Models

### Full Scale Flow

Order Number	Water		Air		Float Number	Float Type	Tube Size	Tube Number*
	GPM	LPM	SCFM	SLPM				
3G1	.48	1.8	2.0	56	1/2-LPG-04	LP	.50"	1/2-24-G-3
3G2	1.0	3.8	4.0	112	1/2-LPG-05	LP	.50"	1/2-24-G-3
3G3	2.0	7.6	8.2	230	1/2-SLG-01	SL	.50"	1/2-24-G-3
3P1	2.5	9.4	10.0	280	5/8-GVP-01	GV	.625"	5/8-29-P-3
3P2	4.0	15.0	20.0	560	5/8-SLP-01	SL	.625"	5/8-29-P-3
3P3	5.6	21.0	—	—	5/8-SLP-02	SL	.625"	5/8-29-P-3
3P4	7.4	28.0	—	—	5/8-SLP-03	SL	.625"	5/8-29-P-3

## 150mm (6") Scale Models

### Full Scale Flow

Order Number	Water		Air		Float Number	Float Type	Tube Size	Tube Number*
	GPM	LPM	SCFM	SLPM				
6G1	0.5	1.9	2.0	57	1/2-LPG-04	LP	.50"	1/2-24-G-6
6G2	1.0	3.8	4.2	118	1/2-LPG-05	LP	.50"	1/2-24-G-6
6G3	2.0	7.6	8.2	230	1/2-SLG-01	SL	.50"	1/2-24-G-6
6P1	2.5	9.4	10.0	280	5/8-GVP-02	GV	.625"	5/8-32-P-6
6P2	4.0	15.0	20.0	560	5/8-SLP-04	SL	.625"	5/8-32-P-6
6P3	5.6	21.0	—	—	5/8-SLP-05	SL	.625"	5/8-32-P-6
6P4	7.4	28.0	—	—	5/8-SLP-06	SL	.625"	5/8-32-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
<b>75mm (3") Scale Models</b>							
3G1 - 3P4	1.75	1.50	8.00	7.00	2.25	.974	Ø1.00
<b>150mm (6") Scale Models</b>							
6G1 - 6P4	1.75	1.50	11.57	10.57	2.25	.974	Ø1.00

## ORDERING:

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

Meter Series	Order Number	Fitting Material	O-Ring Material	Scale	Valve
7 4 5	See Specifications	Brass - 3/8" FNPT - 1 316L SS - 3/8" FNPT - 2	EPR - 1 Buna-N - 2 Viton® - 3 Kalrez® - No Valve - 4 Kalrez® - Valve - 5	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	Brass - Inlet - 1 Brass - Outlet - 2 No Valve - 3 316L SS - Inlet - 4 316L SS - Outlet - 5

## DIMENSION DIAGRAMS

