

A real value in general purpose rotameters. Vertical connections are from 3/8" NPT to 2" NPT.



DESCRIPTION

Metering Tube	Machined cast acrylic
Internal Components	316L SS
Fitting Material	PVC (for water service only) 316 SS, brass, aluminum (for water and air service)
Inlet/Outlet Fittings	NPT, vertical
O-Ring	Standard: EPR Optional: Buna-N, Viton

PERFORMANCE

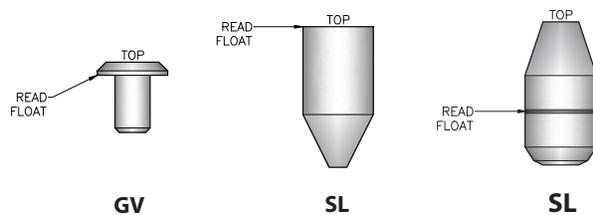
Capacities	Water 1 to 200 GPM Air 4 to 245 SCFM
Scale	127 mm (5") direct reading
Accuracy	± 3% to ± 6% of full scale flow See Specifications table
Turndown	10:1 unless otherwise indicated
Repeatability	1% to 2% See Specifications table
Maximum Temperature	Water 130° F (54° C) Air 100° F (38° C)
Maximum Pressure	Water 150 psig Air 125 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.



CAUTION: Meters used in gas service are designed to operate at 14.7 psia. Meters used in pressure gas service must be shielded using 3/8" polycarbonate to protect personnel and equipment in the event of tube failure.

Order Number	Flow GPM Water	Flow SCFM Air	F.S. Accuracy Repeatability	Pressure Drop (Inches of water)	Float Type	Actual Turndown	Connection Size
0051	1	4.3	3%/2%	2.9	GV	10:1	3/8" FNPT
0052	1	4.3	3%/2%	2.9	GV	10:1	1/2" FNPT
0061	2	8	3%/2%	5.2	GV	10:1	3/8" FNPT
0062	2	8	3%/2%	5.2	GV	10:1	1/2" FNPT
0071	3.5	14	3%/2%	9.5	SL	10:1	3/8" FNPT
0072	3.5	14	3%/2%	9.5	SL	10:1	1/2" FNPT
0081	5	20	3%/2%	13.1	SL	10:1	3/8" FNPT
0082	5	20	3%/2%	13.1	SL	10:1	1/2" FNPT
0151	5	20	3%/1%	10	GV	10:1	1" FNPT
0161	10	43	3%/1%	12	SL	10:1	1" FNPT
0171	15	62	3%/1%	18	SL	10:1	1" FNPT
0181	21	86	3%/1%	22	SL	10:1	1" FNPT
0191	30.5	—	3%/1%	26	SL	10:1	1" FNPT
0201	40	—	6%/2%	32	SL	10:1	1 1/2" MNPT
0211	50	—	6%/2%	38	SL	10:1	1 1/2" MNPT
0221	40	165	4%/1%	18	SL	10:1	2" FNPT
0231	60	245	4%/1%	25	SL	10:1	2" FNPT
0241	80	—	4%/1%	30	SL	10:1	2" FNPT
0251	100*	—	4%/1%	35	SL	5:1	2" FNPT
0261	120*	—	6%/2%	45	SL	4:1	2" FNPT
0271	160*	—	6%/2%	60	SL	3.55:1	2" FNPT
0281	200*	—	6%/2%	80	SL	3.63:1	2" FNPT

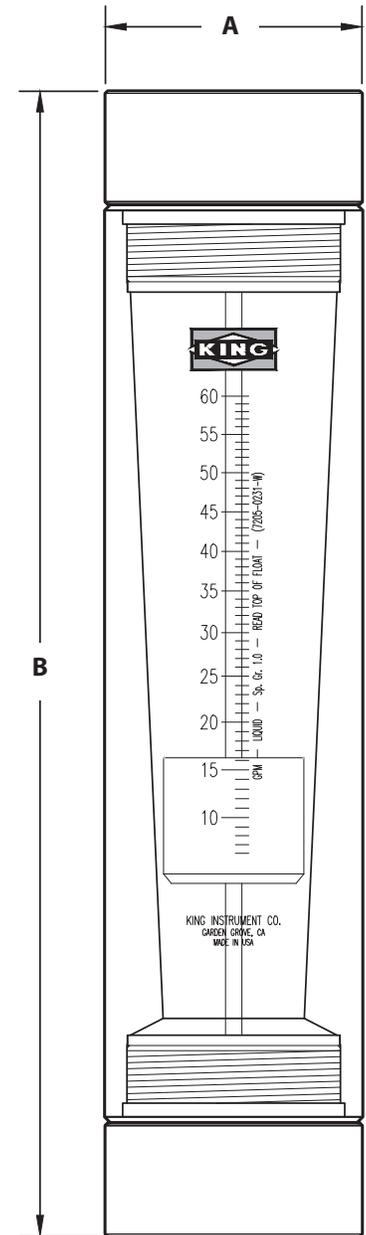
* These meters have less than 10:1 turndown.

ACTUAL TURNDOWN:

Order Number	Flow Range	Actual Turndown
0251	20-100 GPM	5:1
0261	30-120 GPM	4:1
0271	45-160 GPM	3.55:1
0281	55-200 GPM	3.63:1

Order Number	Dimensions (Inches)	
	A	B
0051-0082	1.375"	8.25"
0151-0191	2.000"	10.25"
0201-0211	2.000"	12.06"
0221-0281	3.000"	13.25"

DIMENSION DIAGRAM



ORDERING:

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

7 2 0 5				
Meter Series	Order Number See Specification above	Fitting Material Brass - 1 316L SS - 2 PVC* - 3 Aluminum - 6	O-ring Material EPR - 1 Buna-N - 2 Viton® - 3	Fluid Metered GPM - Liquid - W SCFM - Air - A

* PVC for water service only