



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 100 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

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.

SPECIFICATIONS:

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

* These meters have less than 10:1 turndown.

Order Number	Dimensions	
	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"

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

ORDERING:

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

Meter Series	Order Number	Fitting Material	O-ring Material	Fluid to Be Metered
7 2 0 5	See Specification Table Above	Brass - 1 316L SS - 2 PVC* - 3 Aluminum - 6	EPR - 1 Buna-N - 2 Viton® - 3	GPM - Liquid - W SCFM - Air - A
* Not for air service				