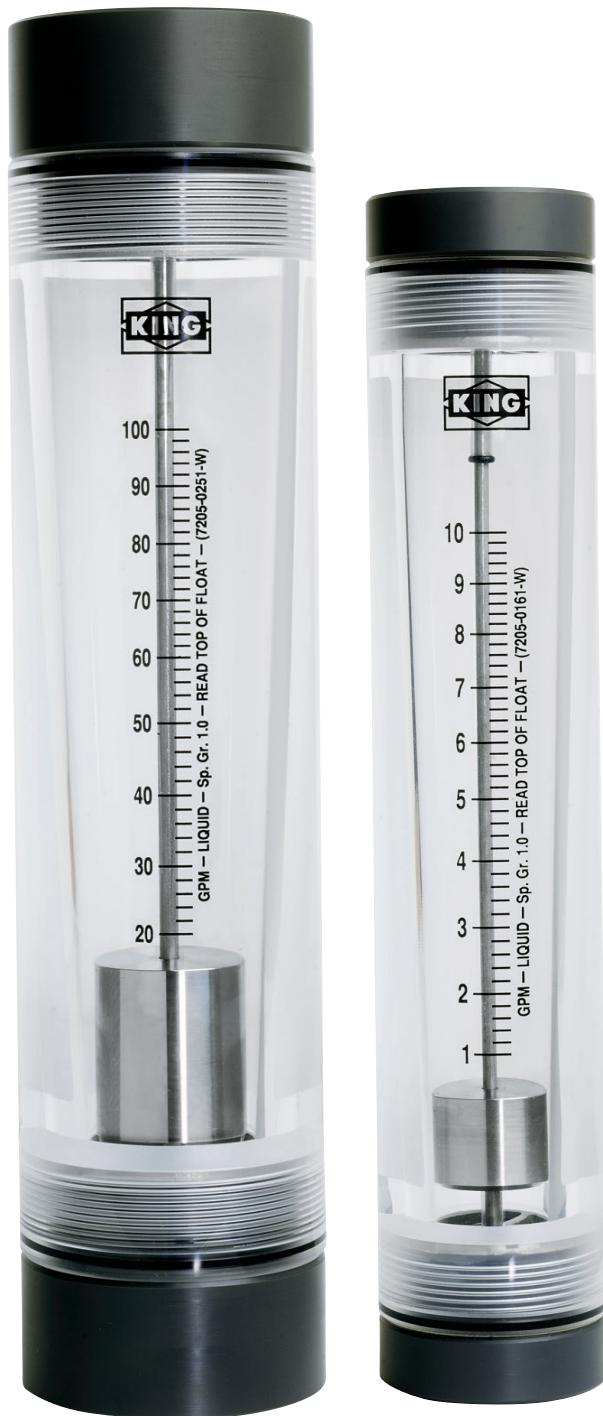


A real value in general purpose rotameters. Vertical connections are from 3/8" NPT to 2" NPT.



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

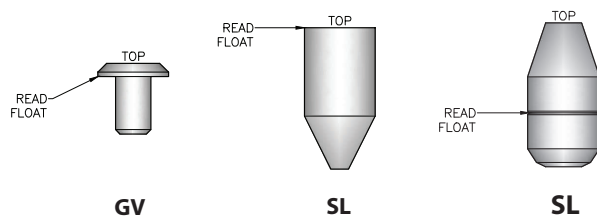
| | |
|----------------------------|---|
| Capacities | Water 1 to 200 GPM Air 4 to 245 SCFM |
| Scale | 127 mm (5") direct reading |
| Accuracy | ± 3% to ± 6% of full scale flow See Specifications table |
| Turndown | 10:1 unless otherwise indicated |
| Repeatability | 1% to 2% See Specifications table |
| 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 |

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.

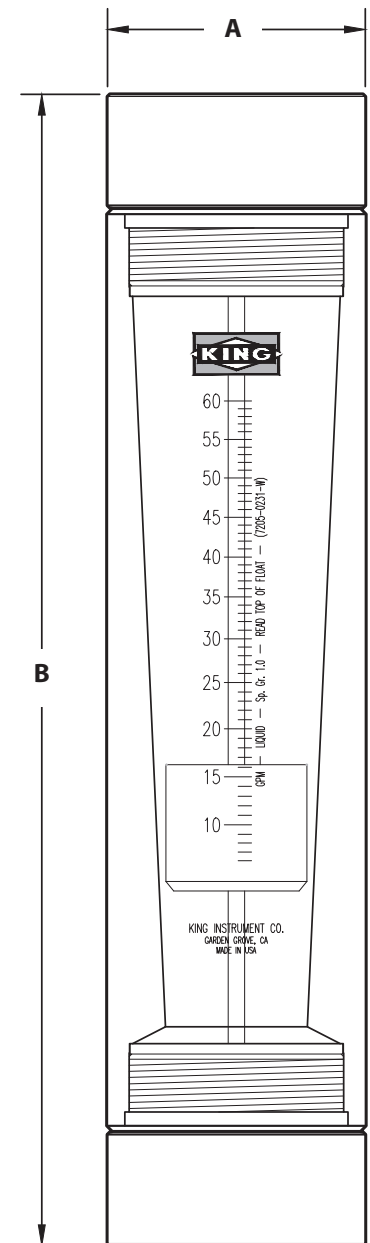
ACTUAL TURNDOWN:

| 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 |

Dimensions (Inches)

| 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" |

DIMENSION DIAGRAM



ORDERING:

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

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

* PVC for water service only