



Precision Glass Tube Rotameters

745	Base Model Number
	Code Range Code - see chart page 2
	Code Fitting (Valve) Material
1	Brass 3/8" FNPT
2	316L Stainless Steel 3/8" FNPT
	Code O-Ring Material
1	EPR
2	Buna-N
3	Viton®
4	Kalrez® with no Valve
5	Kalrez® with Valve
	Code Scale
1	Millimeter
2	USGPM (Water @ 70°F)
3	LPM (Water @ 70°F)
4	SCFM (Air @ STP)
5	SLPM (Air @ STP)
6	Special Scale
	Code Needle Valve
1	Brass Valve Inlet
2	Brass Valve Outlet
3	No Valve
4	316L SS Valve Inlet
5	316L SS Valve Outlet

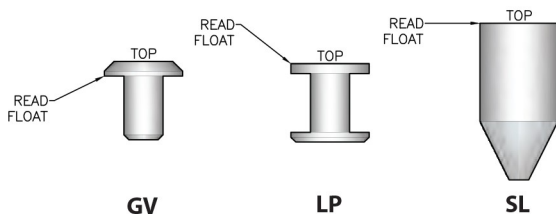
745    3P1    2    3    4    2    ← Typical Model Number

Description / Materials	
Metering Tube	Borosilicate Glass
Internal Components	316L SS
Fitting Material	Brass or 316L SS
Inlet / Outlet Fittings	FNPT, horizontal Control valve optional
O-Ring	Standard: Viton® Optional : EPR, Buna-N, 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%
Max Temp	Gases 250°F (121°C) Liquids 200°F (93°C)
Max Pressure	200 psig
Ambient Temp	33°F to 125°F (1°C to 52°C)

Options	
Certified Calibrations	Conform to ISA RP 16.6
Scales	Any volumetric unit

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



Flow Ranges

75 mm (3") Scale (+/- 5%)

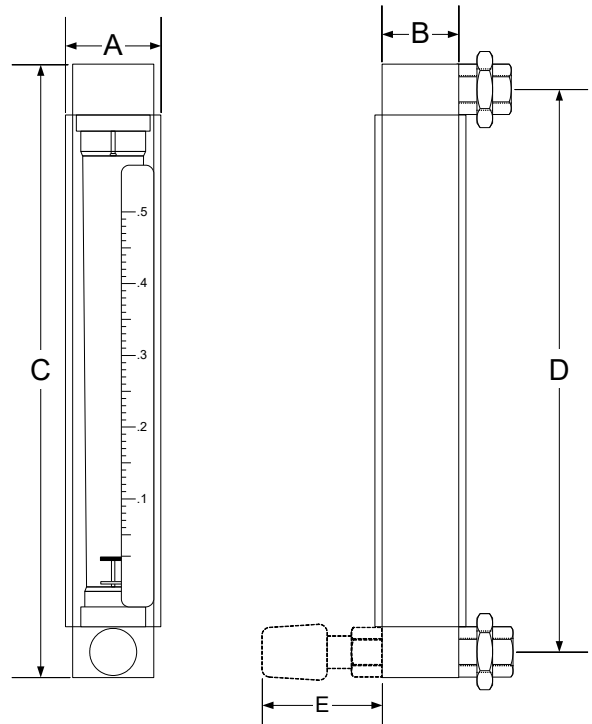
Range Code	Water (70°F)		Air - STP		Float Number	Float Type	Tube Size	Tube Number*
	USGPM	LPM	SCFM	SLPM				
3G1	0.48	1.8	2.0	56	1/2-LPG-04	LP	.50"	1/2-24-G-3
3G2	1.0	3.8	4.0	112	1/2-LPG-05	LP	.50"	1/2-24-G-3
3G3	2.0	7.6	8.2	230	1/2-SLG-01	SL	.50"	1/2-24-G-3
3P1	2.5	9.4	10.0	280	5/8-GVP-01	GV	0.625"	5/8-29-P-3
3P2	4.0	15.0	20.0	560	5/8-SLP-01	SL	0.625"	5/8-29-P-3
3P3	5.6	21.0	-	-	5/8-SLP-02	SL	0.625"	5/8-29-P-3
3P4	7.4	28.0	-	-	5/8-SLP-03	SL	0.625"	5/8-29-P-3

150 mm (6") Scale (+/- 3%)

Range Code	Water (70°F)		Air - STP		Float Number	Float Type	Tube Size	Tube Number*
	USGPM	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	0.625"	5/8-29-P-6
6P2	4.0	15.0	20.0	560	5/8-SLP-04	SL	0.625"	5/8-29-P-6
6P3	5.6	21.0	-	-	5/8-SLP-05	SL	0.625"	5/8-29-P-6
6P4	7.4	28.0	-	-	5/8-SLP-06	SL	0.625"	5/8-29-P-6

Dimensions - inches

	A	B	C	D	E
75 mm Scale	1.75"	1.50"	8.00"	7.00"	2.25"
150 mm Scale	1.75"	1.50"	11.57"	10.57"	2.25"
Connection	3/8" FNPT				
Clearance Hole Size for Panel Mounting	1.0" (25.4) minimum				



Valve Optional - Inlet or Outlet  
(Shown Full Open)