

Model Number Chart

See Example Below



Acrylic Rotameters

7205	Base Model Number	
	Code	Range code from table page 2 (select flow range)
	Code	Fitting Material
	1	Brass
	2	316L Stainless Steel
	3	PVC (not to be used for compressed air or gas service)
	6	Aluminum (standard for compressed air or gas service)
	Code	O-Ring Material
	1	EPR
	2	Buna-N
	3	Viton®
	Code	Scale
	W	USGPM / LPM Water
	A	SCFM Air at STP
	S	Special (advise conditions)

7205 - 0181 - 2 3 W ◀ Typical Model Number

Description / Materials

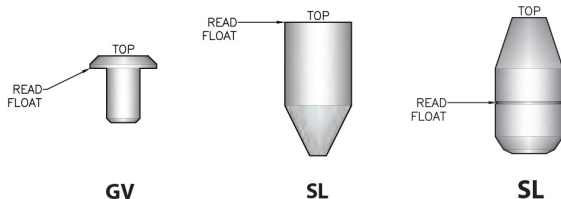
Metering Tube	Machined cast acrylic
Internal Components	316L SS
Fitting Material	PVC (for water service only) 316L SS, brass, aluminum (for water and air service)
Inlet / Outlet Fittings	NPT vertical
O-Ring	Standard : EPR Optional : Buna-N, Viton®

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 table pg 2)
Turndown	10:1 unless otherwise indicated
Repeatability	1% to 2% (see table pg 2)
Max Temperature	Water 130°F (54°C) Air 100°F (38°C)
Max Pressure	Water 150 psig Air 100 psig
Ambient Temperature	33°F to 125°F (1°C to 52°C)

Float

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



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 a tube failure.

Muis Controls Ltd. - Flow Meters · Flow Controls

29 Riel Drive, St. Albert, AB, Canada T8N 3Z2
Ph +1-780-459-7080 Fx +1-780-459-7085 Toll Free 1-800-661-8823
www.muiscontrols.com info@muiscontrols.com

Flow Ranges

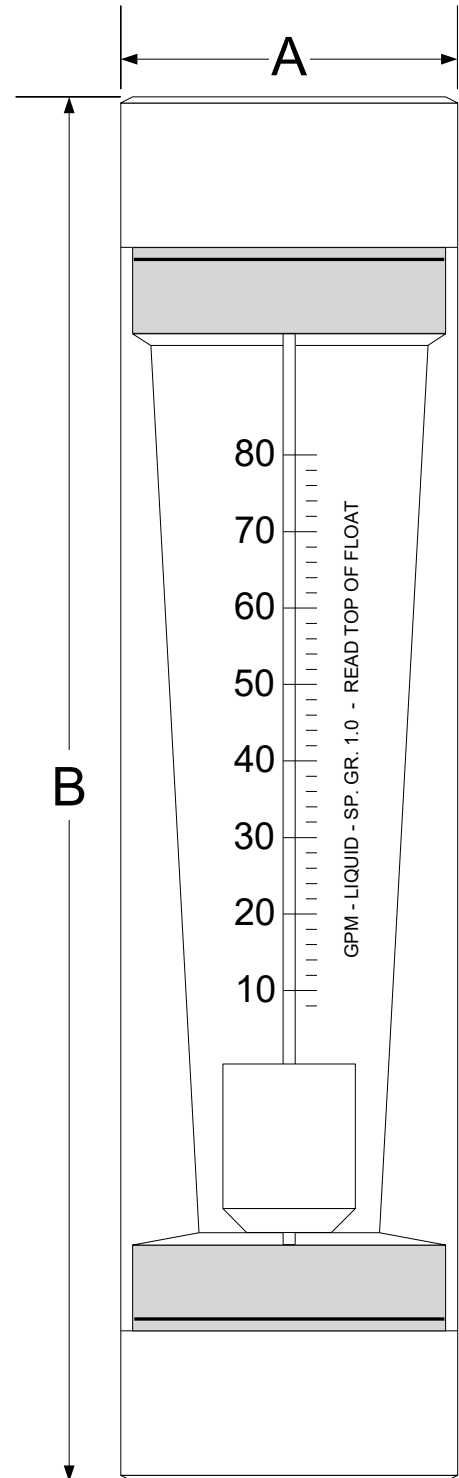
Range Code	Flow Range USGPM - H ₂ O*	Flow Range SCFM - Air	Accuracy Full Scale	Press Drop (IN. W.C.)	Float Type	Actual Turndown
0051	0.1 - 1	0.4 - 4.3	3% / 2%	2.9	GV	10:1
0052	0.1 - 1	0.4 - 4.3		2.9	GV	10:1
0061	0.2 - 2	0.8 - 8		5.2	GV	10:1
0062	0.2 - 2	0.8 - 8		5.2	GV	10:1
0071	0.4 - 3.5	1.4 - 14		9.5	SL	10:1
0072	0.4 - 3.5	1.4 - 14		9.5	SL	10:1
0081	0.5 - 5	2 - 20		13.1	SL	10:1
0082	0.5 - 5	2 - 20		13.1	SL	10:1
0151	0.5 - 5	2 - 20	3% / 1%	10	GV	10:1
0161	1 - 10	4 - 43		12	SL	10:1
0171	1.5 - 15	6 - 62		18	SL	10:1
0181	2 - 21	8 - 86		22	SL	10:1
0191	3 - 30.5	-		26	SL	10:1
0201	4 - 40	-		32	SL	10:1
0211	8 - 50	-		38	SL	10:1
0221	4 - 40	15 - 165		4% / 1%	18	SL
0231	6 - 60	25 - 245	25		SL	10:1
0241	8 - 80	-	30		SL	10:1
0251	20 - 100**	-	35		SL	5:1
0261	30 - 120**	-	6% / 2%	45	SL	4:1
0271	45 - 160**	-		60	SL	3.55:1
0281	55 - 200**	-		80	SL	3.63:1

* Dual scales in USGPM / LPM water

** These meters have less than 10:1 turndown

Dimensions - inches (millimeters)

Range Code	Connection Size	Dimensions	
		A	B
0051	3/8" FNPT	1.375" (34.9)	8.25" (209.5)
0052	1/2" FNPT		
0061	3/8" FNPT		
0062	1/2" FNPT		
0071	3/8" FNPT		
0072	1/2" FNPT		
0081	3/8" FNPT		
0082	1/2" FNPT		
0151	1" FNPT	2" (50.8)	10.25" (260.3)
0161			
0171			
0181			
0191	1 1/2" FNPT	2" (50.8)	12.06" (306.3)
0201			
0211			
0221			
0231	2" FNPT	3" (76.2)	13.25" (336.6)
0241			
0251			
0261			
0271			
0281			



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