

Model Number Chart

See Example Below



**Panel Mount
Acrylic Rotameters**

75	Base Model Number					
	Code	Block Code				
	20	Panel mount without valve				
	30	Panel mount with valve				
	Code	Fitting Material				
	1	Brass				
	2	PVC (not to be used for compressed gas service)				
	3	316L Stainless Steel				
	Code	O-Ring Material				
	1	EPR				
	2	Buna-N				
3	Viton					
Code	Valve Material					
0	Without Valve					
1	Brass					
2	316L Stainless Steel					
Code	Range Code from Tables on Page 2					
75	30	3	3	2	7C-08	◀ Typical Model Number

Description / Materials

Metering Tube	Machined cast acrylic
Internal Components	316L SS
Fitting Material	Standard : PVC (brass for 2C block size) Optional : 316L SS, Brass
Inlet / Outlet Fittings	NPT, horizontal Control valve optional
O-Ring	Standard: EPR Optional : Buna-N, Viton

Performance

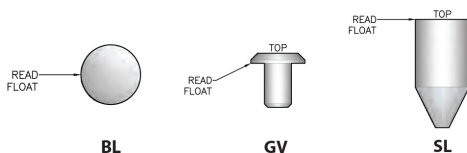
Capacities	Water 7 GPH to 20 GPM Air 2.6 SCFH to 60 SCFM
Scale	50mm, 75mm, 100mm, 127mm, 250mm direct reading
Accuracy	+/- 6% of full scale flow, 50mm scale +/- 4% of full scale flow, 75mm scale +/- 4% of full scale flow, 100mm scale +/- 7% of full scale flow, 6C-04, 6C-06 +/- 3% of full scale flow, 127mm scale +/- 2% of full scale flow, 250mm scale
Turndown	10:1
Repeatability	3% 50mm scale 2% 75mm scale 2% 100mm scale 4% 6C-04, 6C-06 2% 127mm scale 0.5% 250mm scale
Maximum Temp	Liquids 130°F (54°C) Gases 100°F (38°C)
Max Pressure	Water 125 psig Air 100 psig
Ambient Temp	33°F to 125°F (1°C to 52°C)

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.

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

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Flow Ranges

Order Number	Float	Flow Water	Order Number	Float	Flow Air
Block #2C, 50mm (2") Scale					
-	-	-	2C-01*	BL	2.6 SCFH
-	-	-	2C-03**	BL	5 SCFH
-	-	-	2C-05*	BL	10 SCFH
-	-	-	2C-07*	BL	20 SCFH
2C-02	SL	7 GPH	2C-09**	BL	30 SCFH
2C-04	SL	12 GPH	2C-11	SL	60 SCFH
2C-06	SL	22 GPH	2C-13	SL	100 SCFH
2C-08	SL	44 GPH	2C-15	SL	180 SCFH
2C-10	SL	60 GPH	2C-17	SL	4 SCFM
2C-12	SL	75 GPH	-	-	-

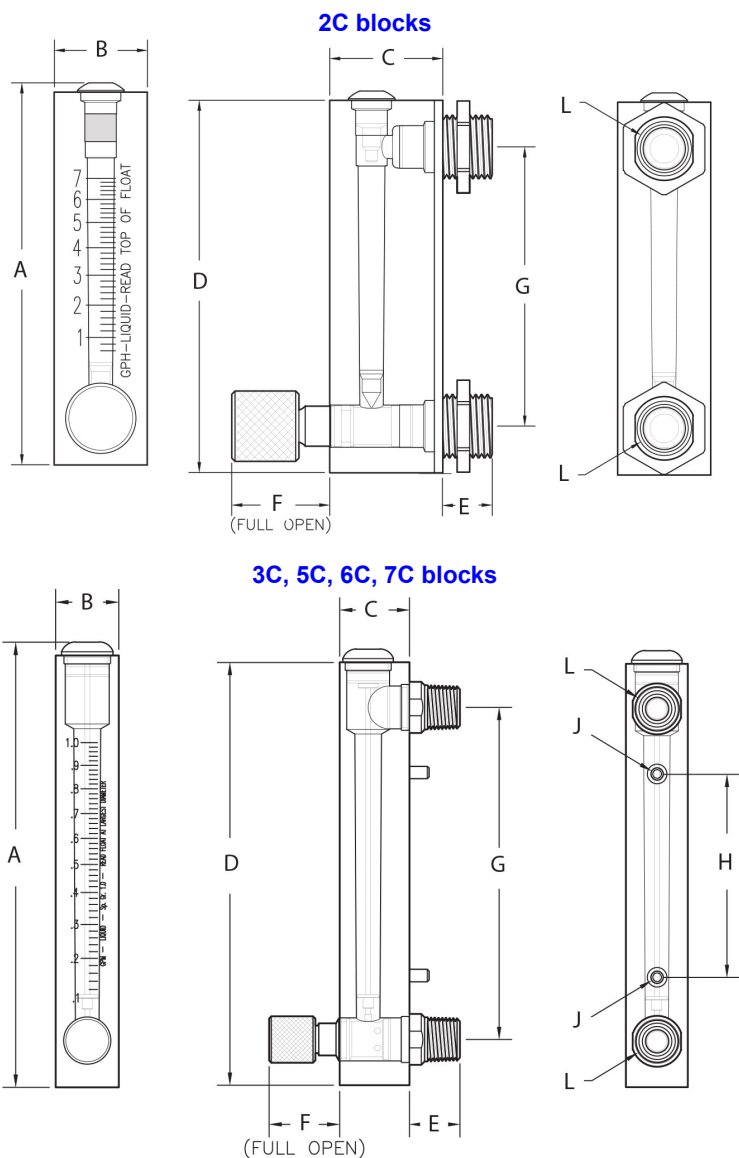
* These meters have glass ball floats

** These meters have stainless steel ball floats

Flow Ranges

Order Number	Float	Flow Water	Order Number	Float	Flow Air
Block #3C, 75mm (3") Scale					
3C-02	GV	1 GPM	3C-01	GV	4 SCFM
3C-04	GV	2 GPM	3C-03	GV	8 SCFM
3C-06	SL	3.5 GPM	3C-05	SL	15 SCFM
3C-08	SL	5 GPM	3C-07	SL	23 SCFM
Block #5C, 127mm (5") Scale					
5C-10	GV	10 GPH	5C-11	GV	42 SCFH
5C-12	SL	20 GPH	5C-13	SL	100 SCFH
5C-14	SL	40 GPH	5C-15	SL	175 SCFH
5C-02	GV	1 GPM	5C-01	GV	4 SCFM
5C-04	GV	100 GPH	5C-03	GV	6.8 SCFM
5C-06	GV	2 GPM	5C-05	GV	8.2 SCFM
5C-08	SL	5 GPM	5C-07	SL	22 SCFM
Block #6C, 100mm (4") Scale					
6C-02	SL	10 GPM	6C-01	SL	40 SCFM
6C-04	SL	15 GPM	6C-03	SL	60 SCFM
6C-06	SL	20 GPM	-	-	-
Block #7C, 250mm (10") Scale					
7C-02	GV	2 GPM	7C-01	GV	8 SCFM
7C-04	GV	3.5 GPM	7C-03	GV	14.4 SCFM
7C-06	GS	5 GPM	7C-05	GS	20 SCFM
7C-08	SL	10 GPM	7C-07	SL	42 SCFM

Blocks 3C, 5C, 6C and 7C have mounting studs depicted in dimension "H" and thread "J".



Dimensions (inches)

Water Order Number	Air Order Number	A	B	C	D	E	F	G	Connections and Mounting						
									Connection Size	Centerline H	Thread J	Diameter L			
Block #2C, 50mm (2 inch) Scale															
2C-02 - 2C-12	2C-01 - 2C-17	4.125	1	1.215	4	.50	1.05	3	1/4" FNPT				.700		
Block #3C, 75mm (3 inch) Scale															
3C-02 - 3C-08	3C-01 - 3C-07	6.875	1.20	1.35	6.625	1	1.37	5	1/2" MNPT x 1/4" FNPT	3	.25 - 20		1		
Block #5C, 127mm (5 inch) Scale															
5C-10 - 5C-08	5C-11 - 5C-07	8.45	1.20	1.35	8.25	1	1.37	6.437	1/2" MNPT x 1/4" FNPT	3.937	.25 - 20		1		
Block #6C, 100mm (4 inch) Scale															
6C-02 - 6C-06	6C-01 - 6C-03	9.125	1.78	1.812	8.875	1.25	1.875	6.437	1" MNPT	3.937	.25 - 20		1.375		
Block #7C, 250mm (10 inch) Scale															
7C-02 - 7C-08	7C-01 - 7C-07	14.50	1.78	1.812	14.25	.75	1.75	12.25	1/2" FNPT	8.75	.375 - 24		1.25		