

Flo-Rite™ Series GS Flowmeters

65 MM Flowmeter
Inlet Valve



65 MM Flowmeter
Outlet Valve



150 MM Flowmeter



KEY INSTRUMENTS

250 Andrews Road, Trevoze, PA 19053

800.356.7483 • 215.357.0893
Fax: 215.357.9239

www.keyinstruments.com
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Series GS Glass Tube Flowmeters

Specifications

ACCURACY:	65 MM SCALE $\pm 5\%$ Full Scale 150 MM SCALE $\pm 3\%$ Full Scale
FLOATS:	BLACK GLASS SAPPHIRE STAINLESS STEEL CARBOLOY TANTALUM
METER BODY:	EXTRUDED ALUMINUM
END BLOCKS: STD. SEALS & FITTINGS:	ALUMINUM W/ BUNA "N" BRASS W/ BUNA "N" STAINLESS STEEL W/ VITON®
TUBE:	BOROSILICATE GLASS
PRESSURE:	200 P.S.I.
TEMPERATURE:	200°F/ 93°C

- STANDARD MILLIMETER SCALES WITH FLOW CURVES PERMIT MULTIPLE FLUID & GAS USE WITH A SINGLE TUBE
- SCALES: 65 MILLIMETER
150 MILLIMETER
- FLOWMETER AVAILABLE WITH:
NO VALVE
CARTRIDGE VALVE OR
PRECISION CONTROL VALVE
- INLET VALVE STANDARD/OUTLET VALVE OPTIONAL
- CLEAR PLASTIC SHIELD W/ MAGNIFYING LENS
- GLASS TUBE ALLOWS COMPATIBILITY WITH MOST GASES & FLUIDS
- INTERCHANGEABLE VALVES
- DIRECT READING SCALES AVAILABLE UPON REQUEST
- MANIFOLDED CONSTRUCTION UPON REQUEST

MAXIMUM RANGES AVAILABLE:

TURNDOWN $\geq 10:1$ WITH SINGLE FLOAT OR
TURNDOWN $\geq 20:1$ WITH DUAL FLOATS

65 MM TUBES: 51 CCM TO 65 LPM AIR @ STP
21.4 CCM TO 2 LPM WATER @ STP

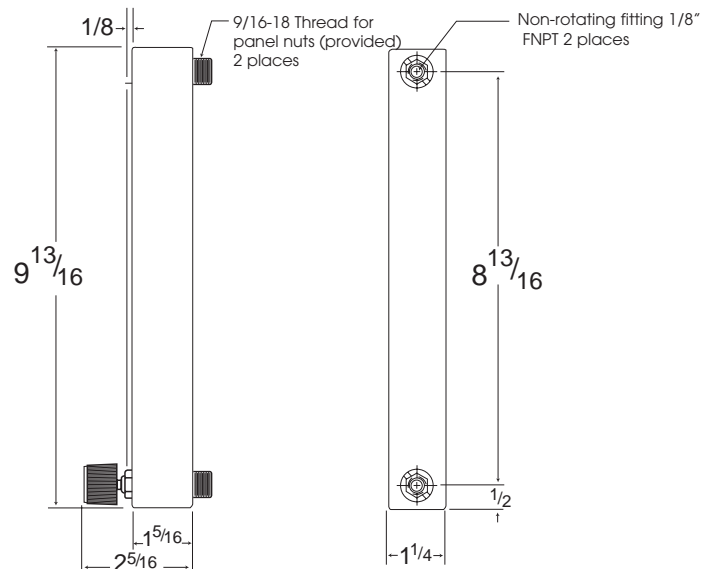
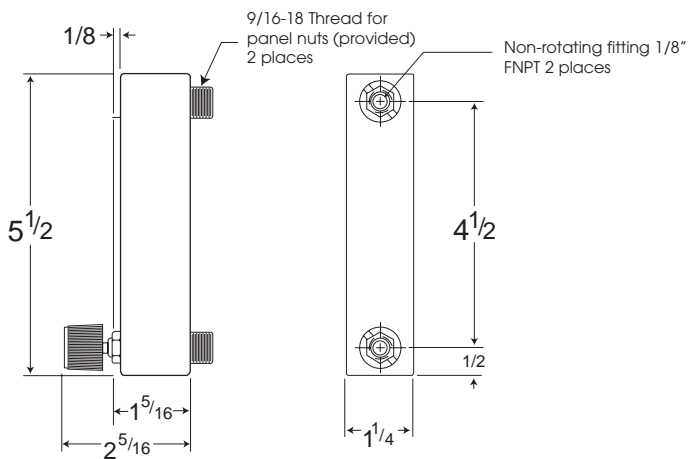
150 MM TUBES: 50 CCM TO 66 LPM AIR @ STP
22.2 CCM TO 2 LPM WATER @ STP

65 MM FLOWMETER

Inches	5-1/2	1-5/16	2-5/16	1-1/4	4-1/2	1/2
Millimeters	140	33.3	58.7	31.8	114	12.7

150 MM FLOWMETER

Inches	9-13/16	1-5/16	2-5/16	1-1/4	8-13/16	1/2
Millimeters	249	33.3	58.7	31.8	224	12.7



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65 MM				150 MM			
MODEL #	FLOAT	AIR (CCM)	WATER	MODEL #	FLOAT	AIR (CCM)	WATER
GS60110	G	51		GS10110	G	50	
GS60120	S	82		GS10120	S	78	
GS60130	ST	153		GS10130	ST	152	
GS60140	C	284		GS10140	C	281	
GS60150	T	(A) 310		GS10150	T	(A) 315	
GS60210	G	103		GS10210	G	106	
GS60220	S	160		GS10220	S	167	
GS60230	ST	298		GS10230	ST	308	
GS60240	C	(A) 498		GS10240	C	(A) 497	
GS60250	T	(A) 546		GS10250	T	(A) 540	
GS60310	G	400		GS10310	G	400	
GS60320	S	550		GS10320	S	555	
GS60330	ST	855	21.4	GS10330	ST	870	22.2
GS60340	C	(A) 1275	35.4	GS10340	C	(A) 1300	36.2
GS60350	T	(A) 1360	38.4	GS10350	T	(A) 1400	39.5
GS60410	G	900	18.2	GS10410	G	855	18
GS60420	S	1200	29.6	GS10420	S	1135	27.6
GS60430	ST	1800	50.1	GS10430	ST	1710	47.5
GS60440	C	(A) 2620	76.1	GS10440	C	(A) 2465	73.2
GS60450	T	(A) 2790	82.4	GS10450	T	(A) 2640	78.8
GS60510	G	2580	55	GS10510	G	2290	50
GS60520	S	(A) 3350	85	GS10520	S	(A) 2980	75
GS60530	ST	5030	140	GS10530	ST	4480	125
GS60540	C	(B) 7270	215	GS10540	C	(B) 6475	190
GS60550	T	(B) 7710	230	GS10550	T	(B) 6805	205
GS60610	G	3930	90	GS10610	G	3425	75
GS60620	S	(A) 5080	130	GS10620	S	(A) 4465	115
GS60630	ST	7510	202	GS10630	ST	6600	190
GS60640	C	(B) 10700	325	GS10640	C	(B) 9475	285
GS60650	T	(B) 11315	345	GS10650	T	(B) 9990	305
GS60710	G	6000	130	GS10710	G	9180	215
GS60720	S	(B) 7800	200	GS10720	S	(B) 11990	315
GS60730	ST	11450	335	GS10730	ST	17810	515
GS60740	C	(B) 16340	500	GS10740	C	(B) 24970	765
GS60750	T	(C) 17250	535	GS10750	T	(C) 26170	825
GS60810	G	10100	235	GS10810	G	23740	565
GS60820	S	(B) 12980	350	GS10820	S	(B) 30270	830
GS60830	ST	18960	560	GS10830	ST	44050	1335
GS60840	C	(B) 26525	830	GS10840	C	(B) 61410	1950
GS60850	T	(C) 28115	885	GS10850	T	(C) 66370	2080
GS60910	G	(B) 15750	375	FLOAT MATERIAL CODES 0 = NO FLOAT 1 = BLACK GLASS (G) 2 = SAPPHIRE (S) 3 = STAINLESS STEEL (ST) 4 = CARBOLOY (C) 5 = TANTALUM (T)			
GS60920	S	(B) 20170	545				
GS60930	ST	(B) 29400	880				
GS60940	C	(B) 41175	1305				
GS60950	T	(C) 43410	1385				
GS61010	G	(B) 23640	570				
GS61020	S	(B) 30090	825				
GS61030	ST	(B) 43340	1305				
GS61040	C	(C) 61120	1920				
GS61050	T	(C) 65850	2055				

*NOTE: A, B & C indicate float price adders. Please consult price list for details.
 Periodically, product revisions occur. Please consult
 the factory for the latest specifications.



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Series GS Glass Tube Flowmeters

Catalog Number Ordering Example: GS60110SVV

How to Order:

<p>EXAMPLE: _____</p> <p>GLASS FLOWMETER _____</p> <p>PRODUCT CODE _____</p> <p>TUBE SCALE _____</p> <p>LENGTHS 65 MM = 6 OR 150 MM = 1</p> <p>TUBE SIZE _____</p> <p>01 THRU 10 (SELECT FROM FLOW RATE CHART)</p> <p>FLOAT MATERIAL _____</p> <p>1 THRU 5 (SELECT FROM FLOW RATE CHART)</p> <p>FLOAT MATERIAL-DUAL FLOAT _____</p> <p>1 THRU 5 (THIS MUST BE SPECIFIED. STANDARD METER SUPPLIED WITH ONE FLOAT.) 0 DESIGNATION = NO FLOAT</p> <p>END BLOCKS MATERIAL(WETTED) _____</p> <p>A = ALUMINUM B = BRASS S = STAINLESS STEEL</p> <p>VALVE DESIGNATION _____</p> <p>N = NO VALVE V = STANDARD INLET VALVE P = PRECISION INLET VALVE O = STANDARD OUTLET VALVE R = PRECISION OUTLET VALVE</p> <p>O-RING MATERIAL USED IN VALVE _____</p> <p>B = BUNA V = VITON® S = SPECIAL</p>	<p>GS 6 01 1 0 S V V</p>
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PLEASE BE SURE TO SPECIFY:

TUBE SCALE

TUBE SIZE

BALL FLOAT MATERIAL

END BLOCK MATERIAL

VALVE DESIGNATION

O-RING MATERIAL

FLOAT MATERIAL CODES:

0 = NO FLOAT

1 = BLACK GLASS (G)

2 = SAPPHIRE (S)

3 = STAINLESS STEEL (ST)

4 = CARBOLOY (C)

5 = TANTALUM (T)

HELPFUL CONVERSIONS:

FOR GAS: LPM X 1000 = CCM

CFH X 472 = CCM

CFM X 28230 = CCM

FOR LIQUID: LPM X 1000 = CCM

GPH X 63.09 = CCM

GPM X 6785 = CCM

FOR PRESSURE: ATM x 14.696 = PSI

ATM x 101.325 = KPA

ATM x 29.92 = IN of Hg

FOR TEMPERATURE: °C = (°F-32) x 0.555

°F = (1.8 x °C) + 32

°K = °C + 273.15

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