

CLARK SOLUTIONS**GR Series Glass Tube Variable Area Flowmeter**

Air ranges from 51 CCM to 66 LPM, water 21 CCM to 2 LPM

DESCRIPTION

Series GR variable area type glass tube flowmeters are ideal for measuring low flow rates of liquids and gases. Standard units are supplied in 65 mm and 150 mm scale lengths and have arbitrary scales with flow curves (permitting multiple gas and fluid measurements in a single tube). Many direct reading scales are available on request.

Flow tubes are easily changed and a rotating magnifying lens allows a 180° view. Special OEM requirements are welcome.

ACCURACY: 65 MM SCALE $\pm 5\%$ FULL SCALE, 150 MM SCALE $\pm 3\%$ FULL SCALE

FLOATS: BLACK GLASS, SAPPHIRE, STAINLESS STEEL, CARBOLOY, TANTALUM

BACK PLATE: ALUMINUM

END BLOCKS STD. SEALS & FITTINGS: ALUMINUM W/ BUNA-N; SS W/ VITON®

TUBE: BOROSILICATE GLASS

CONNECTIONS: 1/8" FNPT BACK INLET & OUTLET

MOUNTING: VIA INLET & OUTLET PORT SPUDS, 9/16-18 THREADED PANEL NUTS (SEE DIMENSION DRAWING)

PRESSURE: 200 PSIG

TEMPERATURE: 200°F/ 93°C



GR 65 mm & 150 mm With & Without Metering Valve

65 MM Tube Size			
Model#	Float	*Air(CCM)	Water (CCM)
GR60110	G	51	-
GR60120	S	82	-
GR60130	ST	153	-
GR60140	C	284	-
GR60150	T	A 310	-
GR60210	G	103	-
GR60220	S	160	-
GR60230	ST	298	-
GR60240	C	498	-
GR60250	T	A 546	-
GR60310	G	400	-
GR60320	S	550	-
GR60330	ST	855	21.4
GR60340	C	1275	35.4
GR60350	T	A 1360	38.4
GR60410	G	900	18.2
GR60420	S	1200	29.6
GR60430	ST	1800	50.1
GR60440	C	2620	76.1
GR60450	T	A 2790	82.4
GR60510	G	2580	55
GR60520	S	A 3350	85
GR60530	ST	5030	140
GR60540	C	7270	215
GR60550	T	B 7710	230
GR60610	G	3930	90
GR60620	S	A 5080	130
GR60630	ST	7510	202
GR60640	C	10700	325
GR60650	T	B 11315	345
GR60710	G	6000	130
GR60720	S	B 7800	200
GR60730	ST	11450	335
GR60740	C	B 16340	500
GR60750	T	C 17250	535

65 MM Tube Size			
Model#	Float	*Air(CCM)	Water (CCM)
GR60910	G	15750	375
GR60920	S	B 20170	545
GR60930	ST	29400	880
GR60940	C	B 41175	1305
GR60950	T	C 43410	1385
GR61010	G	23640	570
GR61020	S	B 30090	825
GR61030	ST	43340	1305
GR61040	C	B 61120	1920
GR61050	T	C 65850	2055
GR60810	G	10100	35
GR60820	S	B 12980	350
GR60830	ST	18960	560
GR60840	C	B 26525	830
GR60850	T	C 28115	885

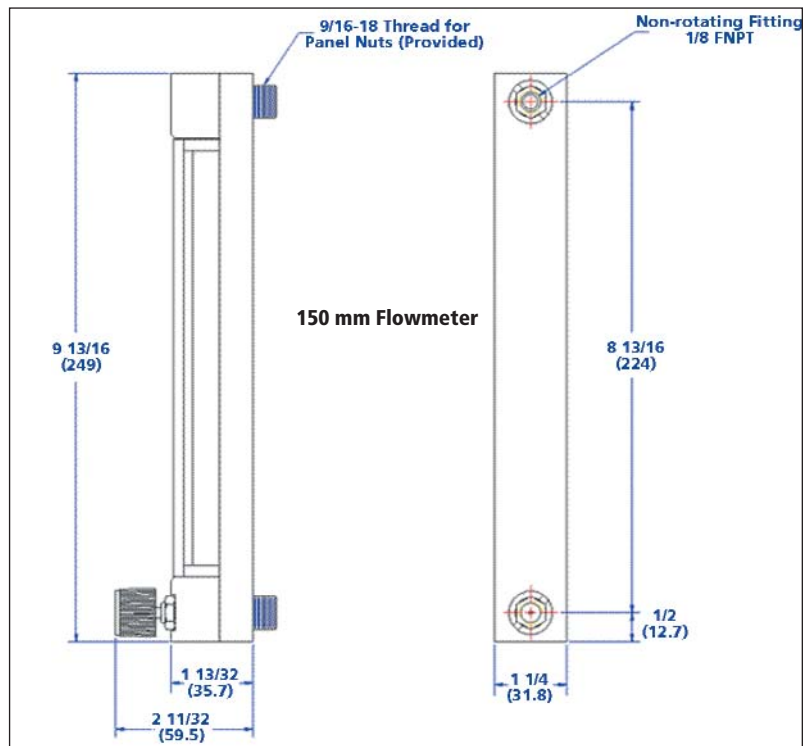
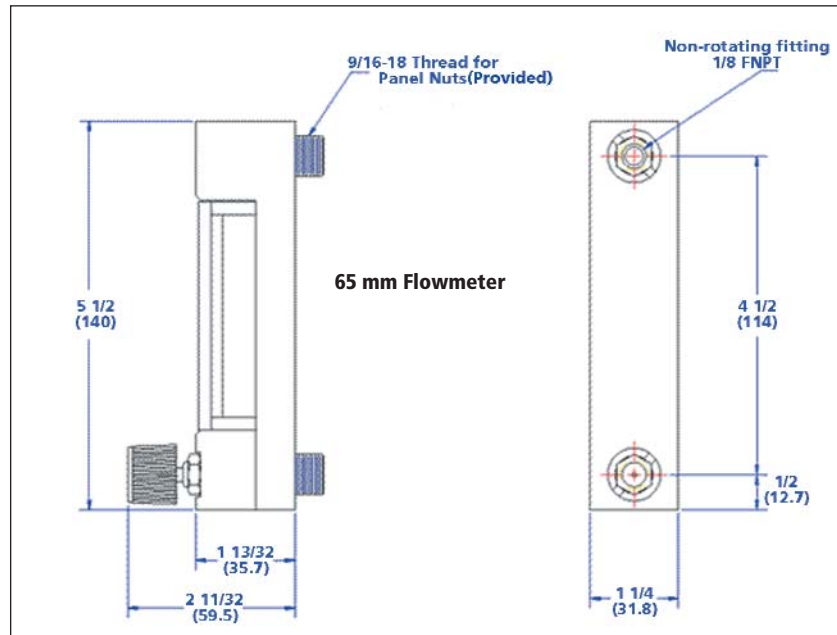
*Note: A,B,C indicate units are somewhat more expensive (than other units) due to the float type & size.

150 MM Tube Size			
Model#	Float	*Air(CCM)	Water (CCM)
GR10110	G	50	-
GR10120	S	78	-
GR10130	ST	152	-
GR10140	C	281	-
GR10150	T	A 315	-
GR10210	G	106	-
GR10220	S	167	-
GR10230	ST	308	-
GR10240	C	497	-
GR10250	T	A 540	-
GR10310	G	400	-
GR10320	S	555	-
GR10330	ST	870	22.2
GR10340	C	1300	36.2
GR10350	T	A 1400	39.5

150 MM Tube Size			
Model#	Float	*Air(CCM)	Water (CCM)
GR10410	G	855	18
GR10420	S	1135	27.6
GR10430	ST	1710	47.5
GR10440	C	2465	73.2
GR10450	T	A 2640	78.8
GR10510	G	2290	50
GR10520	S	A 2980	75
GR10530	ST	4480	125
GR10540	C	6475	190
GR10550	T	B 6805	205
GR10610	G	3425	75
GR10620	S	A 4465	115
GR10630	ST	6600	190
GR10640	C	9475	285
GR10650	T	B 9990	305
GR10710	G	9180	215
GR10720	S	B 11990	315
GR10730	ST	17810	515
GR10740	C	B 24970	765
GR10750	T	C 26170	825
GR10810	G	23740	565
GR10820	S	B 30270	830
GR10830	ST	44050	1335
GR10840	C	B 61410	1950
GR10850	T	C 66370	2080

Float Codes: B= Black Glass, S= Sapphire, ST= Stainless Steel, C= Carboloy, T= Tantalum

DIMENSIONS (INCHES, MM)



ORDERING INFORMATION

ORDER NUMBER
ABCD (GR60330SVV)

A Model	B End Blocks	C Valve	D O-Ring
Select From Charts	A=Aluminum S=316 SS	N=No Valve *V=Standard Valve at Inlet O=Standard Valve at Outlet **P=Precision Valve at Inlet R=Precision Valve at Outlet *Standard valves have approx. 9 turns through flow range **Precision valves have approx. 15 turns through flow range	*B=Buna **V=Viton *Standard with brass & aluminum models **Standard with stainless models

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