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ACRYLIC BODY ROTAMETER

DESCRIPTION:

“TORQUE” Acrylic Body Tube Variable Area Flow Meters (Rotameters) are intended for general in line metering applications (i.e. for Gas & Liquid) where operating conditions are with the limitations of Acrylic Body metering tubes. These are the principle of Variable Area. The float moves freely up and down tapered Acrylic body Tube with fluid flow from bottom to top. The float takes up a position where buoyancy forces and the float weight are balanced in proportion to flow rate. The Vertical position of the float as indicated by scale is the measure of the instantaneous flow rate.



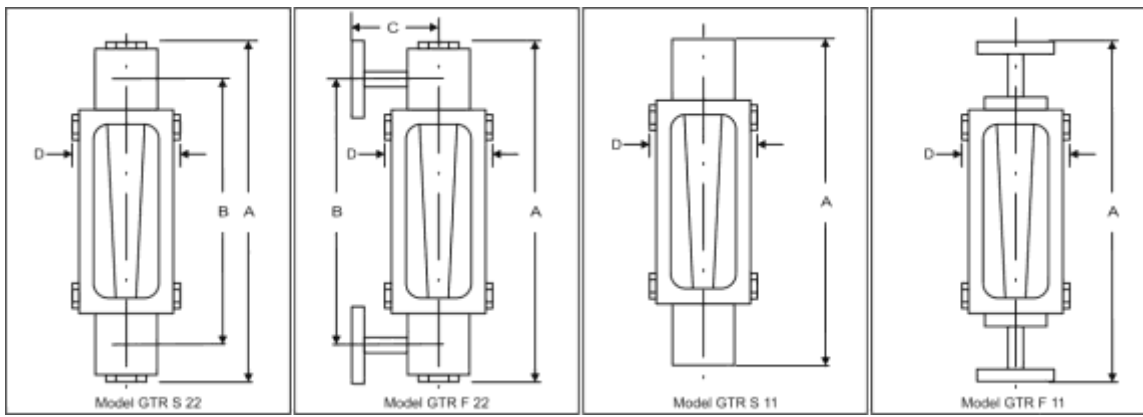
PERFORMANCE:

Accuracy : +/- 2% F.S.D.
Temperature Ratings : Maximum Operating Temperature rating is 50 °C
Repeatability : 0.5 %
Connections : Flanged OR Screwed OR Rickover Joint OR Hose Nipple
Rangeability : 10:1

Meter Size	Max. Operating Pressure (Kg/Cm ² g)
15	25
20	25
25	15
40	12
50	10
80	07

MATERIAL OF CONSTRUCTION :

Tube : Solid Acrylic Block
Float : SS 316, PTFE, others on request
Packing : Neoprene, PTFE, Silicon, Viton
End Fitting : M.S., C.S., SS304, SS316, CF-8M, CF8, PVC, others on request



OVERALL DIMENSIONS

Meter Size	Model GTR S 22 & Model GTR F 22			Model GTR S 11	Model GTR F 11	All Meters
	A	B	C	A	A	
15	475	450	100	400	500	
20	475	450	100	400	500	
25	475	450	100	400	500	
40	475	450	90	400	500	
50	475	450	90	400	500	
80	475	450	90	400	500	

CAPACITY TABLE - GLASS TUBE ROTAMETER

Meter Size	Tube Size	Water at Amb. Temp. in LPH		Air at 20° C & 760 Torr in SCFM		Pressure Drop in mm WC
		Minimum	Maximum	Minimum	Maximum	
15	1	4	40	0.90	9.00	140
	2	6	60	0.13	1.30	
	3	10	100	0.19	3.20	
20	4	16	160	0.32	5.00	360
	5	25	250	0.50	7.60	
	6	40	400	0.76	-	
	7	60	600	-	-	
25	8	60	600	1.25	12.50	650
	9	100	1000	1.90	19.00	
	10	160	1600	-	-	
	11	250	2500	-	-	
40	12	160	1600	3.10	31.00	950
	13	300	3000	5.00	50.00	
	14	400	4000	-	-	
50	15	400	4000	7.60	76.00	550 950
	16	600	6000	11.30	113.00	
	17	1000	10000	-	-	
80	18	1000	10000	19.00	190.00	750 900
	19	1600	16000	-	-	
	20	2500	25000	-	-	