

ACRYLIC TUBE ROTAMETERS

Special Features:

- In-line NPT connections are standard.
- These metering tubes are manufactured from solid cast acrylic rod stock.
- The end fittings thread into metering tubes and O-rings are used to achieve a positive seal.
- The tubes are precision-bored to close tolerances for function, then polished for aesthetics.
- Scales are direct reading



Specifications:

- Capacities : Water to 200 GPM; Air-to 245 SCFM.
- Scale length : 5" (127 mm), customized

Full Scale Accuracy Performance Characteristics

2" diameter tubes	5, 10, 20, 30	GPM $\pm$ 3%	40, 50 GPM $\pm$ 6%
3" diameter tubes	40, 60, 80, 100	GPM $\pm$ 4%	120, 160, 200 GPM $\pm$ 6%

PRESSURE/TEMPERATURE GUIDELINES:

Tube Diameter (in.)	Acrylic Tube	PVC Fittings	PSIG/° F
2" Water	150	130	
3" Water	125	130	
2" Air	100	100	
3" Air	100	100	

MATERIALS

Part	Standard	Optional
Metering Tube	Acrylic	-----
End Fittings	SS304	Brass, SS316, PVC
O-rings	EPR SS316	Viton, Buna N, Kalrez -----
Float Stops	Polysulfone	-----
Guide Rod	SS316	-----

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HOW TO ORDER

RMA - 5801-(Size No.) ACRYLIC TUBE ROTAMETER, Vertical Port, Water

RMA - 5802-(Size No.) ACRYLIC TUBE ROTAMETER, Vertical Port, Air

Size No.	Full Scale Flow		Tube Diameter (in.)	Pipe Conn. (in.)	Pressure Drop (in/W.C.)	Scale Length mm (in.)
	Water (Gallons)	Air St. Cu. Ft.				
-301	0.1 to 1.0	—	1-3/8	3/8 FNPT	2.9	127 (5)
-302	0.2 to 2.0	—	1-3/8	3/8 FNPT	5.	127 (5)
-303	0.3 to 3.5	—	1-3/8	3/8 FNPT	9.	127 (5)
-304	0.5 to 5.0	—	1-3/8	3/8 FNPT	13.1	127 (5)
-305	0.1 to 1.0	—	1-3/8	1/2 FNPT	2.6	127 (5)
-306	0.2 to 2.0	—	1-3/8	1/2 FNPT	4.8	127 (5)
-307	0.3 to 3.5	—	1-3/8	1/2 FNPT	8.7	127 (5)
-308	0.5 to 5.0	—	1-3/8	1/2 FNPT	12.3	127 (5)
-310	0.5 to 5.0	—	2	1 FNPT	10	127 (5)
-313	1.0 to 10.0	43 scfm	2	1 FNPT	12	127 (5)
-316	1.5 to 15.0	62 scfm	2	1 FNPT	18	127 (5)
-320	2.0 to 21.0	—	2	1 FNPT	22	127 (5)
-326	3.0 to 30.5	—	2	1 FNPT	26	127 (5)
-330	4.0 to 40.0	—	2	1-1/2 MNPT	32	127 (5)
-332	8.0 to 50.0	—	2	1-1/2 MNPT	38	127 (5)
-340	4.0 to 40.0	165 scfm	3	2 FNPT	18	127 (5)
-343	6 to 60	245 scfm	3	2 FNPT	25	127 (5)
-346	8 to 80	—	3	2 FNPT	30	127 (5)
-349	20 to 100	—	3	2 FNPT	35	127 (5)
-352	30 to 120	—	3	2 FNPT	45	127 (5)
-355	45 to 160	—	3	2 FNPT	60	127 (5)
-360	55 to 200	—	3	2 FNPT	80	127 (5)