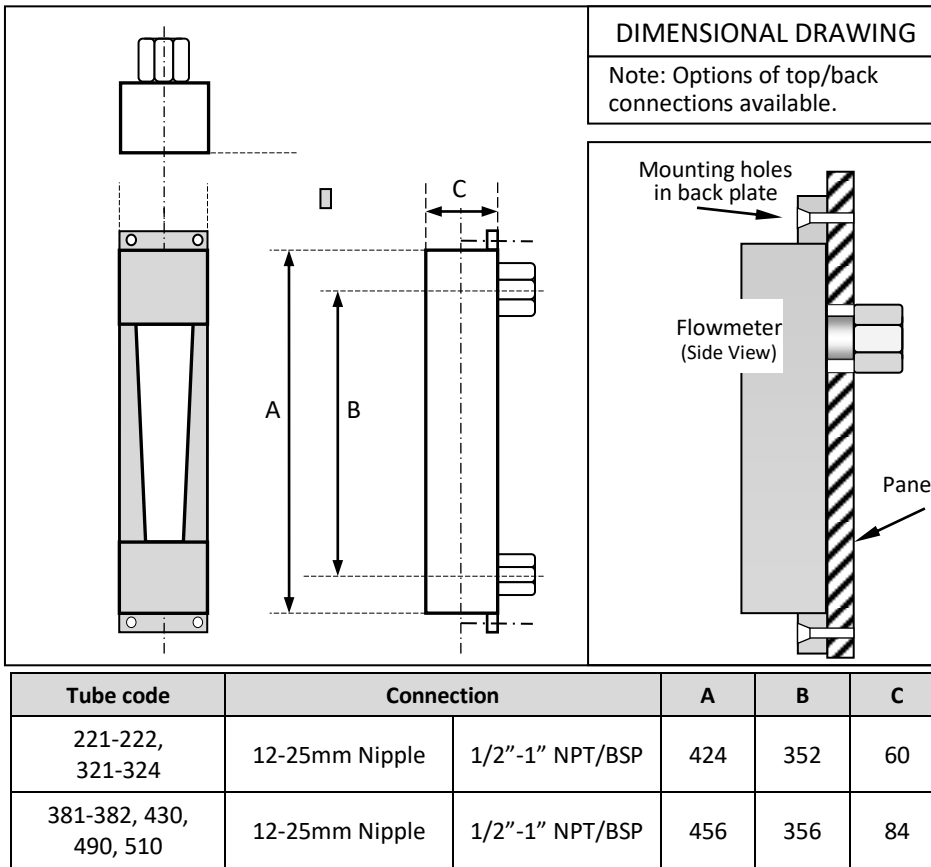


DESIGN FEATURES

- Ten to one rangeability
- Heavy wall, precision bore, borosilicate glass metering tubes with contrasting background
- Scales fused on metering tubes, or scales with conversion chart
- Tube sealed on compression gaskets by threaded seal
- Easy removable tubes without disconnecting the instrument
- There is no metal side plate. Single piece acrylic covers front and side for easy visibility.

DESCRIPTION






The CM series of flowmeters provide an economical means of flow rate indication and control for general use, and laboratory applications. The instruments are ideal for common applications like purging services, cooling water flow indication, bearing lubrication, carrier gas flow rate indication, fuel flow indication, in chromatography and atomic absorption and indication and control of doping gas in electronic crystal growing furnaces.



PRODUCT FEATURES :

- | | |
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| <ul style="list-style-type: none"> ❖ FA Needle Valve - Provides a greater number of turns affording greater precision control with higher resolution. The valve provides positive shut-off. The valve can be installed at the inlet or the outlet fitting of the flowmeter. ❖ Fitting & connection materials –Standard : SS 304, Optionally SS 316, brass available ❖ Gland/O-rings -Viton of Neoprene options available ❖ Body - made from SS 304 as standard. Optionally SS 316, brass available ❖ Front and sides are covered by a single acrylic cover for easy visibility of the flow tube. | <ul style="list-style-type: none"> ❖ Metering tube material : Borosilicate glass ❖ Float material: Glass, Aluminum, 316 SS, PVC, Teflon, as required. (See selection table) ❖ Float stop material: Teflon, PA ❖ Tube packing material : Viton, Neoprene ❖ O-Ring material: Viton, Neoprene ❖ Repeatability : ± 0.5% ❖ Rangeability : 10:1 ❖ Maximum operating pressure : 1400 kPa (14 bar) ❖ Maximum operating temperature : 120°C |
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Capacity table for flowmeter selection

Tube Code	Tube $\varnothing \times L$	Float Type				
						
		Aluminum Conical Hollow	SS-304/316 Conical Hollow	PVC/Teflon Conical Hollow	SS-304/316 Conical Solid	PVC/Teflon Conical Filled Guided Float
		Min- Max LPM Air	Min- Max LPM Air	Min- Max LPM Air	Min- Max LPH Water	Min- Max LPH Water
221	2222300	1.5-15	3-30	1.5-15	6-60	4-40
222		2-20	5-60	2-20	10-120	6-60
321	3232300	2-20	5-60	2-20	10-120	6-60
322		3-30	8-80	3-30	15-150	10-100
323		4-40	10-100	4-40	20-200	15-150
324		6-60	15-150	6-60	30-300	20-200
381	3835300					50-500
382						60-600
430	4336300					120-1200
490	4940300					200-2000
510	5140300					250-2500

SPECIFICATIONS / ORDERING INFORMATION

Features	Options	Features	Options
Accuracy :	Standard $\pm 5\%$ F.S., Optional $\pm 2\%$ F.S For higher accuracy, please enquire.	Mounting :	Bezel, Threaded Adapter, Back Plate
Connection Type:	Top-bottom or back	Gland packing and O-rings	Standard : Neoprene, Optional : Viton
Connection Size:	Standard connections are given in the table above. For other connection, please enquire.	Body (wetted parts):	Standard: SS 314, Optional: SS 316, Brass
Scale:	Printed on tube, or mm scale with chart	Flow range / Tube code :	See Capacity table for flowmeter selection given above to select
Service:	Please indicate	Special requirements:	Logo, colour preference, etc.

Calibration: We can provide calibration certificate (batch or individual) with national traceability with our flowmeters if required. We also provide calibration services and calibrate/service flowmeters of any make.