

560 SERIES FLOWMETERS

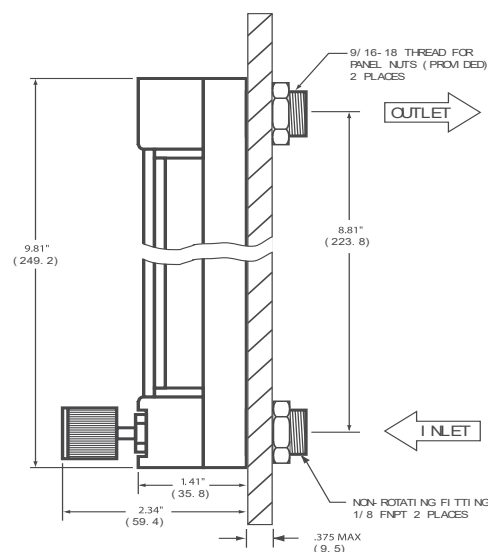


The 560 Series (6") 150mm variable area flowmeters offer inherent simplicity, versatility, and economy in a precision flow instrument. The 150mm scale (6") is particularly suited for metering critical flows in laboratories, pilot plants or process applications as well as controlling carrier gases used in chromatography.

Flow readings from the millimeter scale are converted to actual flow using the calibration chart provided with the flowtube. CONCOA offers a wide variety of flowtube and float combinations to provide the optimum flow range for each application.

Typical Applications

- Chemical Analysis
- Calibration Gas Delivery
- Gas Chromatography Detection
- Controlled Atmosphere Chambers
- Environmental Test Chambers
- Bioreactors and Fermenters



Features

Rib-Guided Tube Internals provide precise stable flow readings

Rotating Magnifier Lens enhances reading resolution

Premium Threaded Insert permits reliable panel mounting

Flowtubes allow secure, leak free connections for efficient transfer of cryogenic liquid

Field Changeable Flow Tube promotes installation flexibility

Materials and Specifications

Maximum Pressure: 200 PSIG (14 BAR)

Flow Tube: Heavy-walled borosilicate glass

Front Shield: Polycarbonate

End Connections: Brass or 316L stainless steel

Maximum Temperature: 250°F (121°C)

Accuracy: $\pm 5\%$ full scale

Repeatability: 0.25% full scale

Seals: FKM, EPDM (optional); or Kalrez® (optional)

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Ordering Information

560	A	B	C	D	-CON(X)
Series 560	Tube Size*	Float Material*	Material	Valve	End Connection*
	1: 1	1: Glass	0: No frame* (fitting and float only)	0: Tube and float only	000:1/8" FPT
	2: 2	2: Sapphire	1: Black anodized aluminum†	1: Standard valve	TF2: 1/8" tube
	3: 3	3: 316L stainless steel	2: 316L stainless steel†	2: High-accuracy valve*	TF4: 1/4" tube
	4: 4	4: Carbolloy	*Not available with a valve.	* Not available with tube size 8 or 9 (A=8 or 9).	HB4:1/4" hose barb
	5: 5	*Please see selection chart below for air flow information.	†Not available without a valve.		*For EPDM/EPR seals, add "E" after the end connection. For Kalrez® seals, add "K" after end connection.
	6: 6				
	7: 7				
	8: 8				
*Please see selection chart below for air flow information.					

Selection Chart

		Air Flow (14.7 PSIA @ 70° F)					Air Flow (14.7 PSIA @ 70° F)		
Tube Size	Float Material	ml/min	SCFH	LPM	Tube Size	Float Material	ml/min	SCFH	LPM
1	1 (Glass)	50	0.11	0.05	5	1 (Glass)	2300	4.88	2.30
1	2 (Sapphire)	78	0.17	0.08	5	2 (Sapphire)	2950	6.25	2.95
1	3 (Stainless Steel)	152	0.32	0.15	5	3 (Stainless Steel)	4450	9.43	4.45
1	4 (Carbolloy)	281	0.60	0.28	5	4 (Carbolloy)	6375	13.5	6.37
2	1 (Glass)	100	0.21	0.10	6	1 (Glass)	3500	7.42	3.50
2	2 (Sapphire)	155	0.33	0.15	6	2 (Sapphire)	4550	9.65	4.55
2	3 (Stainless Steel)	295	0.63	0.30	6	3 (Stainless Steel)	6800	14.4	6.80
2	4 (Carbolloy)	490	1.04	0.49	6	4 (Carbolloy)	9730	20.6	9.72
3	1 (Glass)	400	0.85	0.40	7	1 (Glass)	10200	21.6	10.19
3	2 (Sapphire)	550	1.17	0.55	7	2 (Sapphire)	13025	27.6	13.02
3	3 (Stainless Steel)	850	1.80	0.85	7	3 (Stainless Steel)	19050	40.4	19.07
3	4 (Carbolloy)	1275	2.70	1.27	7	4 (Carbolloy)	27000	57.2	27.00
4	1 (Glass)	850	1.80	0.85	8	1 (Glass)	25000	53	25.01
4	2 (Sapphire)	1150	2.44	1.15	8	2 (Sapphire)	32500	68.9	32.52
4	3 (Stainless Steel)	1750	3.71	1.75	8	3 (Stainless Steel)	46200	97.9	46.20
4	4 (Carbolloy)	2480	5.26	2.48	8	4 (Carbolloy)	65,700	139.3	65.74

Related Options

Part No.	Description
565 0001	Brass regulator adapter kit
565 0002	316L stainless steel regulator adapter kit