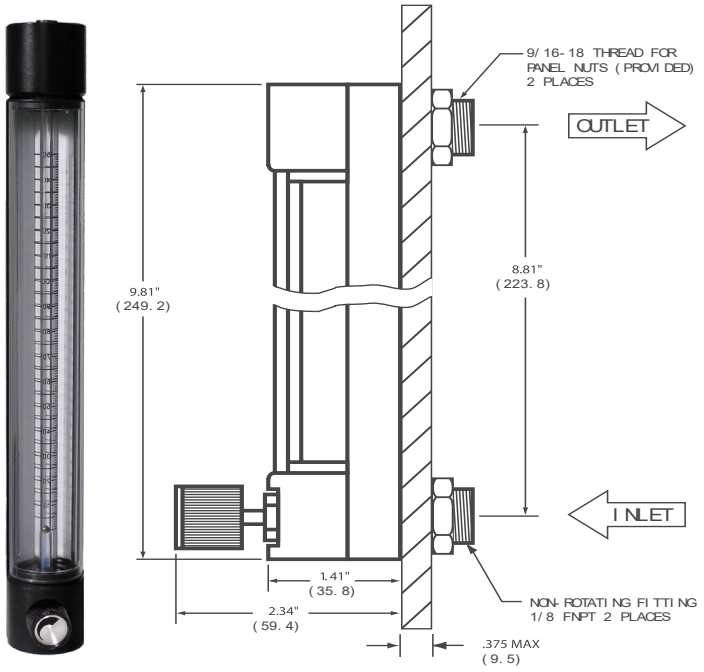
560 Series Flowmeters

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



560 3311-01-TF4 shown

Features

Rib-Guided Tube Internals provide precise stable flow readings
Rotating Magnifier Lens enables 180° view with magnification
Premium Threaded Insert permits reliable panel mounting
Glass Tubes ensure secure, leak free connections for efficient transfer of cryogenic liquid
Field Changeable Design allows quick interchangeability of tube assemblies

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: 200°F (93°C)
Accuracy: ± 5% full scale
Repeatability: 0.25% full scale
Seals: FKM; EPDM (optional); or Kalrez® (optional)

560 Series Flowmeters

CONCOA
PRECISION GAS CONTROLS

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" FNPT
	2: 2	**2:** Sapphire	**1:** Black anodized aluminuml†	**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.*				

**560 Series Flowmeters not suitable for oxygen or oxidizing mixture service.*

Selection Chart

		Air Flow (14.7 PSIA @ 70° F)		
Tube Size	Float Material	ml/min	SCFH	LPM
1	1 (Glass)	50	0.11	0.05
1	2 (Sapphire)	78	0.17	0.08
1	3 (Stainless Steel)	152	0.32	0.15
1	4 (Carbolloy)	281	0.60	0.28
2	1 (Glass)	100	0.21	0.10
2	2 (Sapphire)	155	0.33	0.15
2	3 (Stainless Steel)	295	0.63	0.30
2	4 (Carbolloy)	490	1.04	0.49
3	1 (Glass)	400	0.85	0.40
3	2 (Sapphire)	550	1.17	0.55
3	3 (Stainless Steel)	850	1.80	0.85
3	4 (Carbolloy)	1275	2.70	1.27
4	1 (Glass)	850	1.80	0.85
4	2 (Sapphire)	1150	2.44	1.15
4	3 (Stainless Steel)	1750	3.71	1.75
4	4 (Carbolloy)	2480	5.26	2.48

		Air Flow (14.7 PSIA @ 70° F)		
Tube Size	Float Material	ml/min	SCFH	LPM
5	1 (Glass)	2300	4.88	2.30
5	2 (Sapphire)	2950	6.25	2.95
5	3 (Stainless Steel)	4450	9.43	4.45
5	4 (Carbolloy)	6375	13.5	6.37
6	1 (Glass)	3500	7.42	3.50
6	2 (Sapphire)	4550	9.65	4.55
6	3 (Stainless Steel)	6800	14.4	6.80
6	4 (Carbolloy)	9730	20.6	9.72
7	1 (Glass)	10,200	21.6	10.19
7	2 (Sapphire)	13,025	27.6	13.02
7	3 (Stainless Steel)	19,050	40.4	19.07
7	4 (Carbolloy)	27,000	57.2	27.00
8	1 (Glass)	25,000	53	25.01
8	2 (Sapphire)	32,500	68.9	32.52
8	3 (Stainless Steel)	46,200	97.9	46.20
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