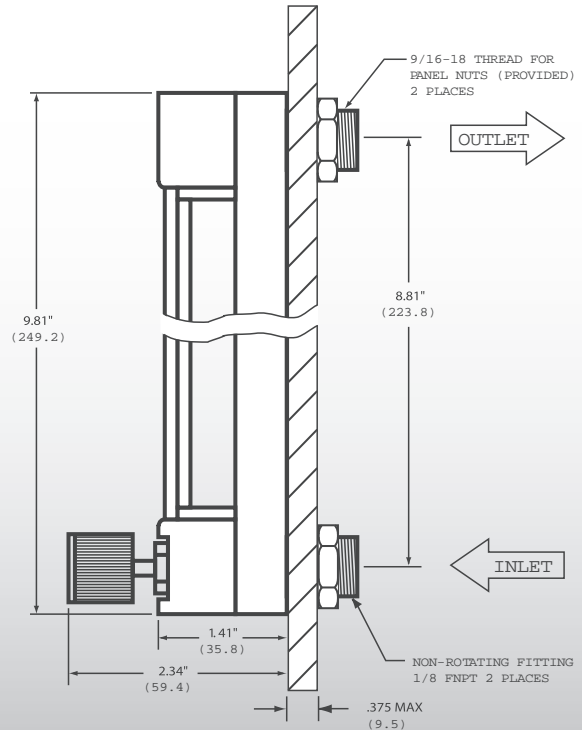




## 560 Series 150mm Flowmeter

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.



### Features

**Rib-Guided Tube Internals**

Precise stable flow readings

**Rotating Magnifier Lens**

Enhances reading resolution

**Two Panel Mount Retaining Nuts**

Easy industrial panel mounting

**Flowtubes Easily Interchangeable**

One flowmeter frame accommodates a wide range of flow requirements

### Materials

**Flowtube**

Heavy-walled borosilicate glass

**Front Shield**

Lexan polycarbonate

**End Fitting**

Brass or 316L stainless steel

**Seals**

- Buna-N (aluminum)
- Viton® (316L stainless steel)
- EPDM (optional)
- Kalrez® (optional)

### Specifications

**Accuracy**

±3% full scale

**Repeatability**

±.25% full scale

**Maximum Pressure**

200 PSIG (14 BAR)

**Maximum Temperature**

200°F (93°C)

**Useful Flow Range**

10:1

# Flow Control



## Ordering Information

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

## 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

Order No.	Description
560 0001	Tripod base
565 0001	Brass regulator adapter kit
565 0002	316L stainless steel regulator adapter kit