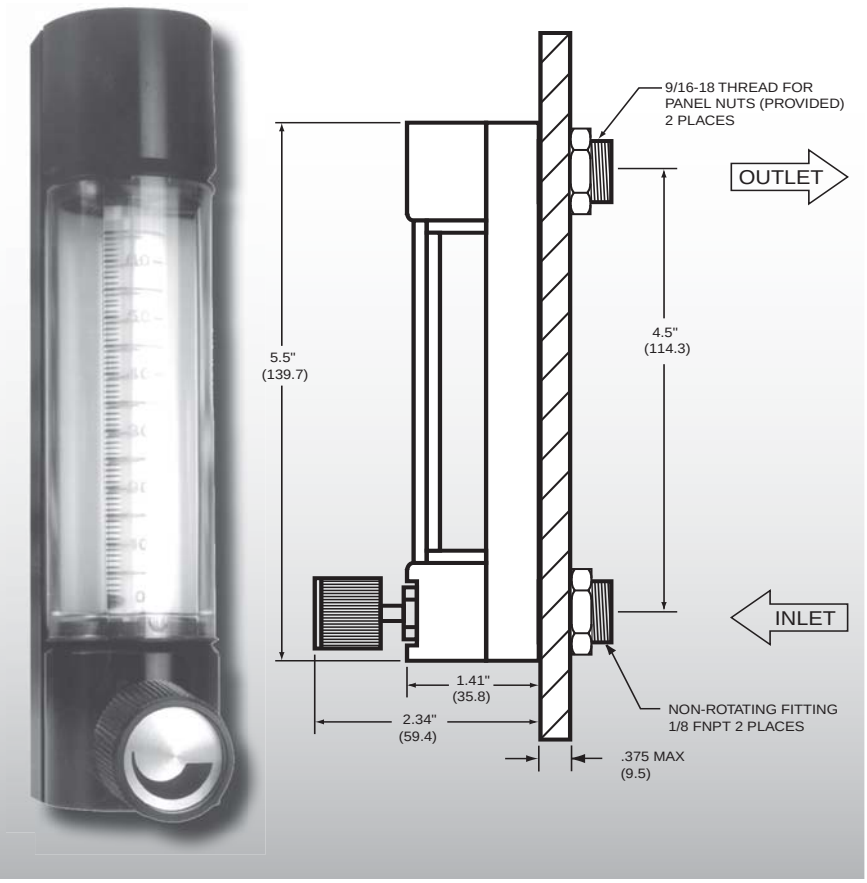
565 Series 65mm Flowmeter

The 565 Series 65mm variable area flowmeters offer inherent simplicity, versatility and economy in a precision flow instrument. The compact size of the 65mm scale is preferred in industrial panel-mounting applications and for direct mounting to a pressure regulator.

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 your 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
±5% 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

565	A	B	C	D	- X(X)
Series 565	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:**1/4" 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 (A=8)*	**HB4:**1/4" hose barb
	5: 5	**5:** Tantalum	*†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	**Please see selection chart below for air flow information*			
	7: 7				
	8: 8				
	9: 9				
	**Please see selection chart below for air flow information*				

Selection Chart

		Air Flow (14.7 psia @ 70° F)	
Tube Size	Float Material	ml/min	SCFH
1	1 (Glass)	51	0.11
1	2 (Sapphire)	78	0.17
1	3 (stainless steel)	156	0.33
1	4 (Carbolloy)	280	0.59
1	5 (Tantalum)	310	0.66
2	1 (Glass)	100	0.21
2	2 (Sapphire)	150	0.32
2	3 (stainless steel)	255	0.54
2	4 (Carbolloy)	475	1.01
2	5 (Tantalum)	520	1.1
3	1 (Glass)	400	0.85
3	2 (Sapphire)	545	1.16
3	3 (stainless steel)	845	1.79
3	4 (Carbolloy)	1275	2.7
3	5 (Tantalum)	1370	2.9
4	1 (Glass)	900	1.91
4	2 (Sapphire)	1175	2.49
4	3 (stainless steel)	1780	3.77
4	4 (Carbolloy)	2600	5.51
4	5 (Tantalum)	2750	5.83
5	1 (Glass)	2500	5.3
5	2 (Sapphire)	3360	7.12
5	3 (stainless steel)	5000	10.6

		Air Flow (14.7 psia @ 70° F)	
Tube Size	Float Material	ml/min	SCFH
5	4 (Carbolloy)	7200	15.3
5	5 (Tantalum)	7600	16.1
6	1 (Glass)	4000	8.48
6	2 (Sapphire)	5200	11
6	3 (stainless steel)	7650	16.2
6	4 (Carbolloy)	11000	23.3
6	5 (Tantalum)	11575	24.5
7	1 (Glass)	6000	12.7
7	2 (Sapphire)	7240	15.3
7	3 (stainless steel)	11420	24.2
7	4 (Carbolloy)	16275	34.5
7	5 (Tantalum)	17350	36.8
8	1 (Glass)	10000	21.2
8	2 (Sapphire)	12970	27.5
8	3 (stainless steel)	18800	39.86
8	4 (Carbolloy)	26665	56.53
8	5 (Tantalum)	28285	59.96
9	1 (Glass)	24500	51.94
9	2 (Sapphire)	31900	67.63
9	3 (stainless steel)	44425	94.18
9	4 (Carbolloy)	63600	134.83
9	5 (Tantalum)	64200	136.1

Related Options

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