

IE Sho-Flo Glass Tube Purge Flow meters

VARIABLE AREA FLOWMETERS – LOW-COST / PURGE

Description

IE Sho-Flo Flow Meters are economical means of Flow rate indication. These flow meters are ideal for Purge Service, Seal oil systems, bearing lubrication and cooling water flow indication. They are available only in standard materials of construction.



IE SHO-FLO GLASS TUBE PURGE FLOW METERS

Design Features

- Ten to one rangeability
- Side Plate Construction
- Detachable direct reading scales
- Heavy wall, precision bore, borosilicate glass metering tube
- Interchangeability of tubes and floats
- Tube sealed on compression gasket by threaded seal spindle
- Tube removable without requiring disassembly of flow indicator
- Piping connections rotatable through 360° at 90° intervals
- Easily panel mounted
- Optional needle control valves and flow controllers

Specifications

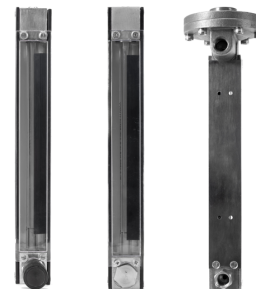
WARNING: Do not operate this instrument in excess of the specifications listed below. Failure to heed warning may result in serious personal injury or damage to equipment.

Performance

Standard accuracy: 1350 - + 10% of Full Scale; 1355 - + 5% of Full Scale Repeatability Within 1/2% of instantaneous reading for Model 1350 and 1/4% of instantaneous reading for Model 1355

Materials Of Construction

METERING TUBES: Borosilicate glass FLOATS: 316 SS, Glass and Tungsten Carbide END FITTINGS: Brass, 316SS, Aluminium SIDE PLATES: Std. Black Anodised (Aluminium) OPTIONAL: 316 Stn. Stl. TUBE PACKING: Neoprene & Viton FLOAT STOPS: Teflon SAFETY SHIELDING: Clear Plastic Connections Threaded – 1/8" or 1/4" connections with optional lock nuts. Optional Equipment Integral needle control valves Integral flow controllers Flush mounting plastic bezel Multi-tube Construction up to 3 tubes Sho-Flo Glass Tube Purge Rotameter Visit us at : www.ieflowmeters.com



Meter body With valve Flanged top

REPRESENTATIVE CONFIGURATIONS

Table 1 – Capacities 1350

METER SIZE	FLOAT MATERIAL	WATER (CC/MIN)	MAX. FLOWRATE AIR (SCFH)
2	GLASS	13.5	1.34
	316 SS	38	2.9
4	GLASS	73	7.5
	316 SS	210	13.5
5	GLASS	110	11.5
	316 SS	320	25
6	GLASS	420	46
	316 SS	750	80

Table 2 – Capacities 1355

METER SIZE	TUBE NO.	FLOAT MATERIAL	MAX. FLOW RATE			
			WATER (CC/MIN.)	AIR (SLPM)	HYDROGEN (SLPM)	HELIUM (SLPM)
2	R-2-15-AAA	GLASS	0.537	0.049	0.102	0.0444
		316 SS	2.49	0.146	0.322	0.144
		CARBOLOY	4.90	0.245	0.594	0.263
	R-2-15-AA	GLASS	1.11	0.096	0.209	0.916
		316 SS	4.93	0.265	0.631	0.293
		CARBOLOY	9.33	0.43	1.12	0.533
	R-2-15-D	GLASS	5.75	0.37	1.03	0.491
		316 SS	20.60	0.82	2.52	1.39
		CARBOLOY	33.20	1.22	3.88	2.28
	R-2-15-A	GLASS	18.30	0.95	2.63	1.54
		316 SS	52.10	1.90	5.57	3.42
		CARBOLOY	81.80	2.80	8.20	5.16
	R-2-15-B	GLASS	52.80	2.35	8.01	5.02
		316 SS	133.00	4.6	15.90	10.30
		CARBOLOY	199.00	6.6	22.90	14.90
	R-2-15-C	GLASS	84.60	3.8	12.90	8.00
		316 SS	218.00	7.6	26.10	16.70
		CARBOLOY	326.00	10.4	37.60	24.40
6	R-6-15-A	GLASS	200.00	8.6	29.90	19.20
		316 SS	493.00	16.4	58.90	38.30
		CARBOLOY	726.00	23.0	83.30	55.20
	R-6-15-B	GLASS	573.00	23.5	85.90	55.30
		316 SS	1350.00	43.0	160.00	109.00
		CARBOLOY	1950.00	60.0	222.00	152.00

NOTE: All airflows given are at 14.7 PSIA and 70°F

Specifications subject to change without notice