

SERIES 630 AND 1000 VARIABLE AREA FLOWMETERS

The Series 630 and 1000 range of Variable Area Flowmeters are suitable for measuring the instantaneous flow rate of virtually any process liquid or gas. The principle of operation of the variable area flowmeter is quite simple:-

The height attained by the float in its tapered flow tube is directly related to a calibrated scale. The flow should be read from the centre of the ball.

This range of flowmeters offers very low measurement capability down to 2-20cc/min (Air).

The Series 630 and 1000 flowmeters have rear facing connections as standard. The instruments are supplied complete with 2 x M3 mounting studs x 10mm long.



SERIES 630 AND 1000 FEATURES

- * ALL STAINLESS STEEL CONSTRUCTION AVAILABLE OFFERING EXCELLENT CORROSION RESISTANCE
- * DIRECT READING OF INSTANTANEOUS FLOW RATE
- * STANDARD FLOW RANGES
- * EASY TO READ SCALE
- * FRICTIONLESS, HENCE LOW HEAD LOSS
- * 56mm OR 93mm TUBE LENGTHS
- * STANDARD OR CUSTOMISED FLOW SCALES CONNECTIONS
- * EASY TUBE REMOVAL IN-SITU
- * VALVED OR NON-VALVED VERSIONS
- * REAR FACING CONNECTIONS AS STANDARD
- * POLYCARBONATE SAFETY COVER
- * STAINLESS STEEL
- * REAR OF PANEL MOUNTING KIT AVAILABLE
- * LONG SERVICE LIFE
- * MINIMAL MAINTENANCE
- * ALARM VERSIONS AVAILABLE

Typical applications include analytical instrumentation, gas flow control, small dosing systems, purge metering, leak detection and blending systems.

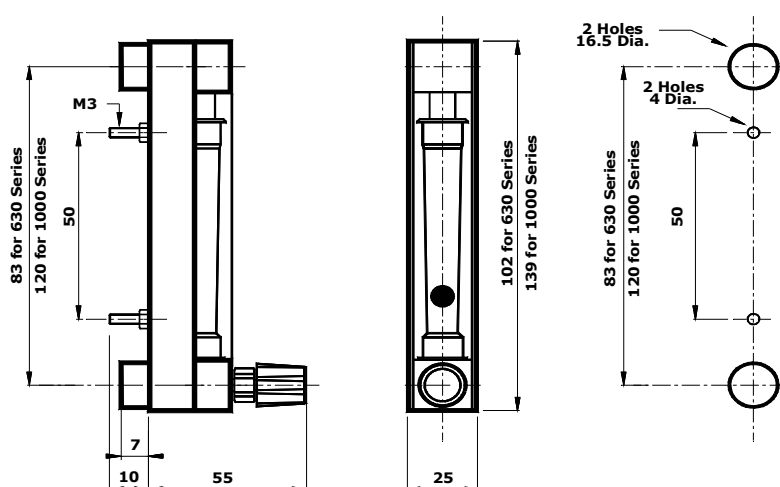
Typical industries served include brewing, gas analysis, pharmaceutical, aerospace, engine testing, paper, water treatment, oil and gas, etc, etc.

630 AND 1000 VARIABLE AREA FLOWMETERS

Chassis:	Stainless Steel	Plumb Bob Floats:	Anodised aluminium Stainless Steel, PVC
End Blocks:	Stainless Steel Nickel plated brass	Weight:	630 – 170 grams 1000 – 225 grams
Process Connections:	1/8" NPT or 1/8" BSPPF	Maximum Working Pressure:	Gas: up to 20 bar g (non shock) Liquid: up to 20 bar g (non shock)
Cover:	Polycarbonate	Maximum Working Temperature:	60°C Nitrile 100°C Viton
Seals:	Nitrile or Viton	Accuracy:	± 5% FSD for predicted scales ± 3% FSD for calibrated scales
Metering Tube:	Borosilicate glass		
Scale:	Permanently fired (black)		
Ball Floats:	Black Glass, Stainless Steel, Ruby, Tungsten, Ceramic		

STANDARD RANGES

SERIES 630 20°C/1013 mb abs		SERIES 1000 20°C/1013 mb abs	
AIR	WATER	AIR	WATER
2 – 20 cc/min	5 – 50 cc/min	25 – 250 cc/min	5 – 50 cc/min
5 – 50 cc/min	10 – 100 cc/min	50 – 500 cc/min	10 – 100 cc/min
10 – 100 cc/min	25 – 250 cc/min	100 – 1000 cc/min	25 – 250 cc/min
25 – 250 cc/min	50 – 500 cc/min	0.25 – 2.5 L/min	60 – 600 cc/min
50 – 500 cc/min		0.5 – 5 L/min	100 – 1000 cc/min
0.1 – 1.0 L/min		1.0 – 10 L/min	
0.2 – 2.5 L/min		2.5 – 25 L/min	
0.5 – 5.0 L/min		4.0 – 40 L/min	
1.0 – 10 L/min			
2.0 – 20 L/min			



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