



Unit 1 Courtwell Business Park
Farningham Road, Crowborough,
East Sussex, TN6 2JD
Tel: 01892 669939
E-mail: sales@ftipv.com

FTI SERIES 630 AND 1000 VARIABLE AREA FLOWMETERS

The FTI 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, or from the top of the plumb bob float.

This range of flowmeters offers very low measurement capability down to 5-50cc/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
- * EASY TUBE REMOVAL IN-SITU
- * VALVED OR NON-VALVED VERSIONS
- * REAR FACING CONNECTIONS AS STANDARD
- * POLYCARBONATE SAFETY COVER
- * REAR OF PANEL MOUNTING KITS AVAILABLE
- * MINIMAL MAINTENANCE
- * LONG SERVICE LIFE
- * ALARM VERSIONS AVAILABLE
CONTACT MPB SALES OFFICE FOR DETAILS



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

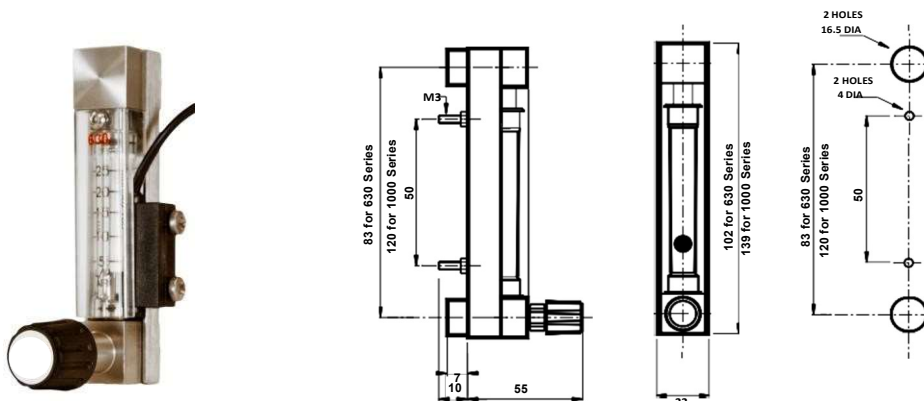
Typical industries served include brewing, gas analysis, pharmaceutical, aerospace, engine testing, paper, water treatment, oil and gas, etc, etc.

630 AND 1000 VARIABLE AREA FLOWMETERS

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

STANDARD RANGES

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



Customised flow ranges are also available. Please contact sales@ftipv.com for more information.