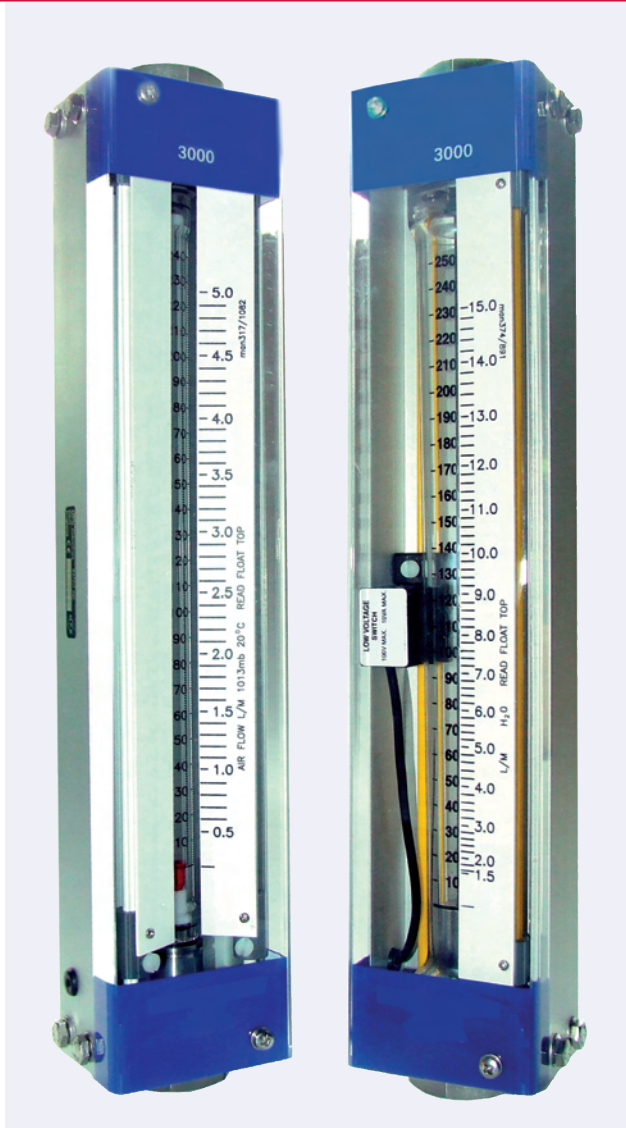


# SERIES 3000

## VARIABLE AREA FLOWMETER



### DATA SHEET



The Series 3000 range of Variable Area Flowmeters provide a cost-effective means of ensuring accurate flow measurement for most process gases and liquids. They feature a scale length of 260mm which ensures excellent resolution via easy-to-read scaled graduations.

New models to this range now have the ability of handling flow rates as low as 50cc/min air, while the complete range of 12 models provide high accuracy for most low-flow applications. These models all feature flow tubes which utilise a 'free float' design which has a very low pressure drop.

The Series 3000 is an ideal flowmeter for use as a calibration master, or where high accuracy with an excellent resolution scale is required for the most demanding variable area flow applications. Materials of construction ensure compatibility to a wide range of industrial process mediums. End connections can be supplied in either stainless steel or rigid PVC.

### SERIES 3000 FEATURES

- Direct reading of instantaneous flowrates
- Plain scale plate for customer calibration can be supplied
- Flowrates as low as 50CC/MIN AIR are available
- Wide range of standard flowrates
- Economical latching alarms(s)
- Lightweight construction with integral safety cover
- Robust design
- Metric scales
- Guided floats or "free floats" are used giving stable readings
- PVC or stainless steel connections are available as standard
- Can be supplied with flanges
- Tube assembly easily removed and replaced in-situ
- In-line or panel mounting
- High resolution scales for maximum accuracy

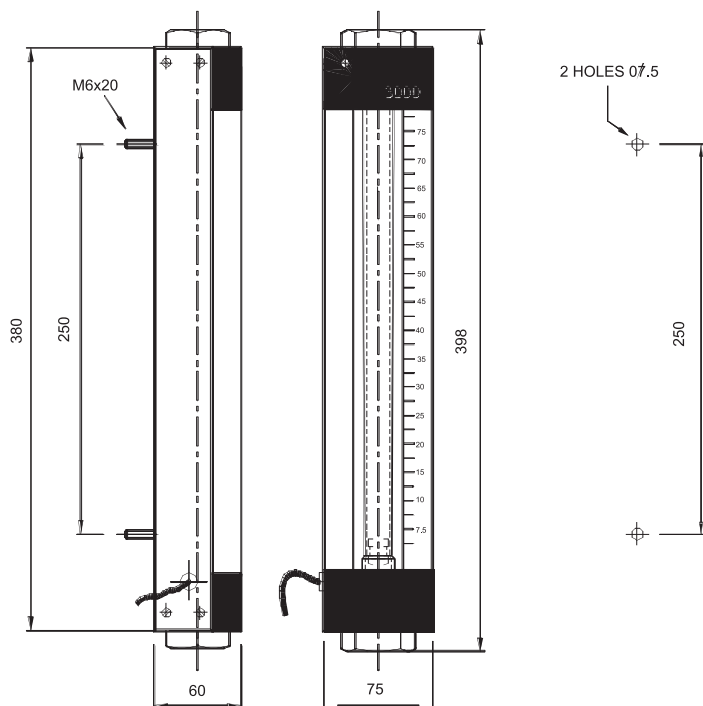
[Technical Specification >](#)

FILTON PROCESS CONTROL ENGINEERING

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# SERIES 3000

## Technical Specification



### 3000 VARIABLE AREA FLOWMETER

- Chassis: Anodised aluminium to BS 1615/AA25
- Weight: 1250 grams (typical)
- End Blocks: Rigid PVC or Stainless steel
- Max Working Pressure: Gas: 10 bar g (non shock)  
Liquid: 12 bar g (non shock)
- Max Working Temperature: 60°C Nitrile  
100°C Viton
- Process Connections: 1/2", 3/4" & 1" BSPPF
- Cover: Acrylic
- Seals: Nitrile or Viton
- Metering Tube: Borosilicate glass with metric permanently fired scale
- Scale: Adjustable calibrated scale (blank scale if required)
- Floats: Stainless steel  
Hard anodised aluminium
- Accuracy: ± 5% FSD predicted, or better by series calibration
- Optional Alarm: Rating: 100V max.  
1 amp max.  
10VA max. Resistive load  
Contacts N/O
- Connection: 2 metre flying lead

### STANDARD RANGES

AIR @ 1013 mbar abs 20°C	WATER	WATER
5 - 50 cc/min	0.5 - 5 L/min	30 - 300 L/hr
10 - 100 cc/min	1.0 - 10 L/min	50 - 500 L/hr
25 - 250 cc/min	1.5 - 15 L/min	100 - 1000 L/hr
100 - 1000 cc/min	2.5 - 25 L/min	150 - 1500 L/hr
0.25- 2.5 L/min	5.0 - 50 L/min	300 - 3000 L/hr
0.5 - 5 L/min	7.5 - 75 L/min	450 - 4500 L/hr
0.75- 7.5 L/min	10 - 100 L/min	600 - 6000 L/hr
1.0 - 10 L/min	12 - 125 L/min	750 - 7500 L/hr
1.5 - 15 L/min		
2.5 - 25 L/min		
3 - 30 L/min		
5 - 50 L/min		
10 - 100 L/min		
15 - 150 L/min		
20 - 200 L/min		
25 - 250 L/min		
40 - 400 L/min		
50 - 500 L/min		
75 - 750 L/min		
100 - 1000 L/min		
150 - 1500 L/min		
225 - 2250 L/min		
300 - 3000 L/min		

Customised flow ranges are available. Please consult Filton Process Control to select the required flow range for the process fluid.

Contact Filton Process Controls for rear panel mounting kit details which are supplied with all components necessary and front bezel.

Due to the constant development and improvement of products, information may be altered or withdrawn without notice.