

## MPB SERIES 3500 VARIABLE AREA FLOWMETER

### GENERAL INFORMATION

The MPB Series 3500 Variable Area Flowmeter offers an excellent means of instantaneous flow rate measurement. The materials of construction offer compatibility to a wide range of industrial process mediums.

The 3500 Variable Area Flowmeter can be fitted with Hi and Lo latching alarms.

The end connections can be supplied in Stainless steel, or rigid PVC.

The units are fitted with a calibrated scale. A metric scale of 170mm is permanently fixed on the tube. A useful blank scale plate can also be provided for customers own calibrations if required.

The 3500 Variable Area Flowmeter can be used to measure the flow rate of most process gases and liquids.

Ranges up to 250 L/min of water (or 7500 L/min air @ 1013 mbar abs 20°C) are supplied as standard.

An economical latching alarm device is also available, this enables the alarm to remain activated whilst flow is above or below a set point. This reduces expensive electronic circuitry and is ideal for remote and process control applications.

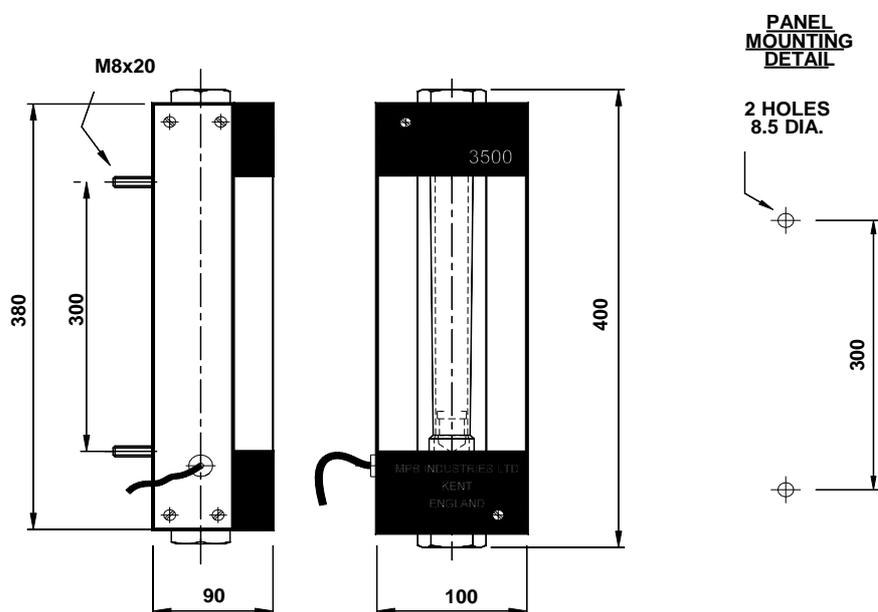


### MPB SERIES 3500 FEATURES

- DIRECT READING OF INSTANTANEOUS FLOW RATES
- POLYCARBONATE SAFETY COVER
- METRIC SCALES
- PVC, OR STAINLESS STEEL CONNECTIONS ARE AVAILABLE AS STANDARD
- TUBE ASSEMBLY EASILY REMOVED AND REPLACED IN-SITU
- CAN BE SUPPLIED WITH FLANGES
- PLAIN SCALE PLATE FOR CUSTOMER CALIBRATION CAN BE SUPPLIED
- GUIDED FLOATS ARE USED ON ALL RANGES GIVING A STABLE READING
- REAR OF PANEL MOUNTING KIT SUPPLIED COMPLETE WITH BEZEL AND ALL MOUNTING ACCESSORIES
- STRAIGHT THROUGH, OR PANEL MOUNTING

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<p><b>Chassis:</b> Anodised aluminium to BSEN12373/AA25</p> <p><b>End Blocks:</b> Rigid PVC, or Stainless Steel</p> <p><b>Process Connections:</b> 1½" BSPFF</p> <p><b>Cover:</b> Polycarbonate</p> <p><b>Seals:</b> Nitrile, Viton, EPDM, etc</p> <p><b>Metering Tube:</b> Fully stress relieved borosilicate glass with permanently fired black enamel metric scale 170mm long</p> <p><b>Scale:</b> Adjustable calibrated scale (blank scale if required) Permanently fired black ceramic</p> <p><b>Floats:</b> Red hard anodised aluminium. Stainless steel</p>	<p><b>Weight:</b> 4.5kg (typical)</p> <p><b>Maximum Working Pressure:</b> Gas: 4 bar g (non-shock) Liquid: 6 bar g (non-shock)</p> <p><b>Maximum Working Temperature:</b> 60°C Nitrile 100°C Viton</p> <p><b>Accuracy:</b> ± 5% FSD predicted</p> <p><b>Optional Alarm:</b> Rating: 100V Max. 1 amp max. 10VA max. Resistive load Contacts N/O</p> <p><b>Connection:</b> 2 metre flying lead, or to customer specification</p>
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## STANDARD RANGES

AIR @ 1013 mbar abs 20°C	WATER @ 20°C	WATER @ 20°C
100 – 1000 L/min	5 – 50 L/min	300 – 3000 L/hr
200 – 2000 L/min	10 – 100 L/min	600 – 6000 L/hr
300 – 3000 L/min	15 – 150 L/min	1000 – 10000 L/hr
400 – 4000 L/min	20 – 200 L/min	1200 – 12000 L/hr
500 – 5000 L/min	25 – 250 L/min	1500 – 15000 L/hr
750 – 7500 L/min		

Customised flow ranges are available. Please consult MPB Industries to select the required flow range for the process fluid.

*MPB Industries Ltd - Designers and Manufacturers of Scientific and Process Control Instrumentation*

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