Mass Flow Controller

Responsive and stable control in 50 ms





The Fastest Flow Controller Company in the World!





MCW Series with low pressure drop





MCE Series for SEMI apps



MCS Series for aggressive gases







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Mass Flow Controllers

Hit the mark every time! Control flows with rock-solid stability and responsiveness.

Making You Faster

- 50-100 ms control response: stills upstream fluctuations.
- Accessible PID valve tuning for best speed and stability.
- Custom valve orifice sizes: yields full-range stability.
- · Control mass flow, vol. flow or pressure with one device.
- No warm-up: ready to control process flows in one second.

Quick Specs

Accuracy: 0.8% of the reading (0.4% optional) + 0.2% full-scale repeatability (NIST-traceable).

Linear range: 0.5-100% of full scale (200:1).

Multi-gas calibration: 98-130 gases preloaded, plus COMPOSER™ gas composition firmware.

Digital and analog outputs in multiple formats. All flow data visible on one screen (setpoint, mass flow, vol. flow, pressure, temperature).

Stand-alone unit: no need for computer or PLC. Lifetime warranty gives you peace of mind.

Tailored for You

MCW Low Pressure Drop

Control flows near atmospheric pressure. Max range: 0-500 slpm.

MCE/V SEMI Compatible Control better with our SEMI compatible MCE and MCV. Max range: 0-20 slpm.

MCS Anti-Corrosive

Withstand corrosion caused by aggressive gases. All ranges.

Common Options:

Downstream Valve optimizes control in vacuum conditions or backpressure applications. Precision Dispensing Package relies on our fast valves to dispense metered amounts of fluid. CSA Class 1 Div 2 (ATEX Zone 2) Classification permits operation in hazardous environments. Backlit Color Display shines in low lighting. Industrial communications: EtherNet/IP, DeviceNet, PROFIBUS, or Modbus

C Liquid Flows

Control liquid flows 100-ms control response time. Available in ranges to 0-5 lpm.

Sample Application

