



MASS FLOW RATE CONTROLLER MFC-100

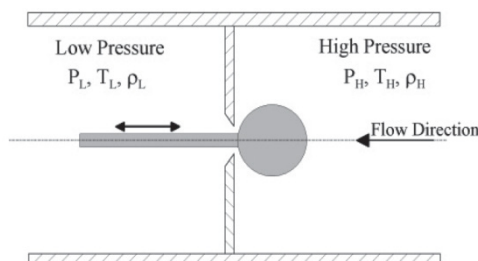
GENERATION OF (NON-) PERIODIC & TIME DEPENDENT AIRFLOWS



ACCURATE FLOW CONTROL IN TIME

Pulsating flows occur in numerous technical applications such as injection of fuels into combustion systems, exhaust gas emission of automobiles, fluid supplies from pumps, infusion flows to patients etc.

They are all characterized by time varying mass flow rates and it is therefore desirable to R&D work to make available a mass flow rate control unit that provides pulsating mass flow of gas.



The MFC-100 is an unique device which realizes the generation of periodic and non-periodic time dependent air flow rates up to 180 l/min with a maximum frequency response of 125 Hz.

The mass flow rates are adjusted and controlled electronically. The electronic unit of the MFC-100 controls the valve displacements very accurately and corrects flow rate also for changes in inlet pressure. The MFC-100 can be operated manually over its front panel or by external digital/analog signals.

SPECIFICATIONS

- + Flow Rate Range: 0 to 217 g/min (0 to 180 l/min)
- + Medium: Air (oil and particles free)
- + Amplitude Resolution: 8bit (1-256)
- + Operational Frequency: Dc to 60 Hz
- + Power Requirements: 50 Hz, 220 Volts
- + Air Supply Pressure: 4 to 6 bars
- + Analog Control: 0 to 10 V
- + Digital Control: Serial Port

KONTAKTINFORMATIONEN FMP TECHNOLOGY GMBH

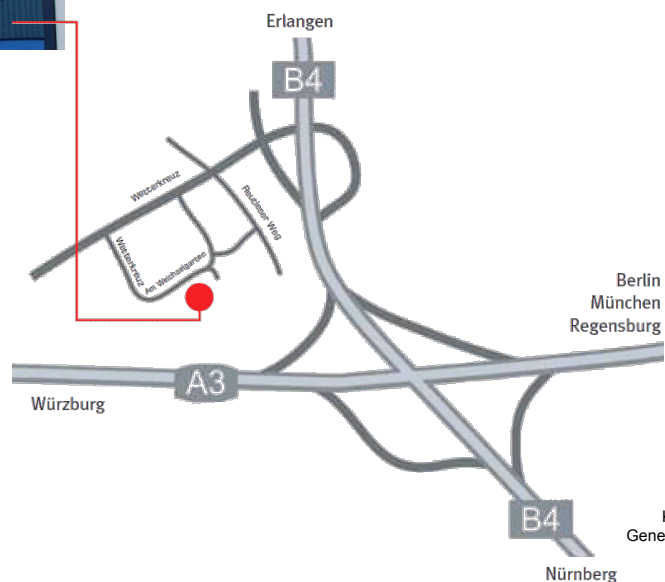


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