

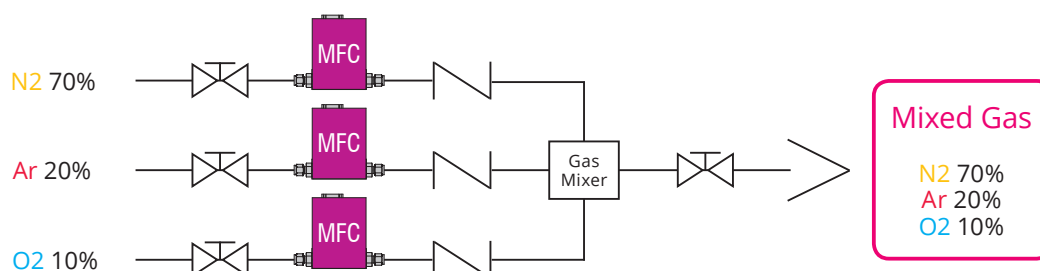
Economical Gas Mixer

CUBE GM



Features

- Economical gas mixer consists of FCON's MFC1000 mass flow controller and PA01PS Control unit
- Built-in mass flow controller provides accurate gas blending without temperature and pressure effects



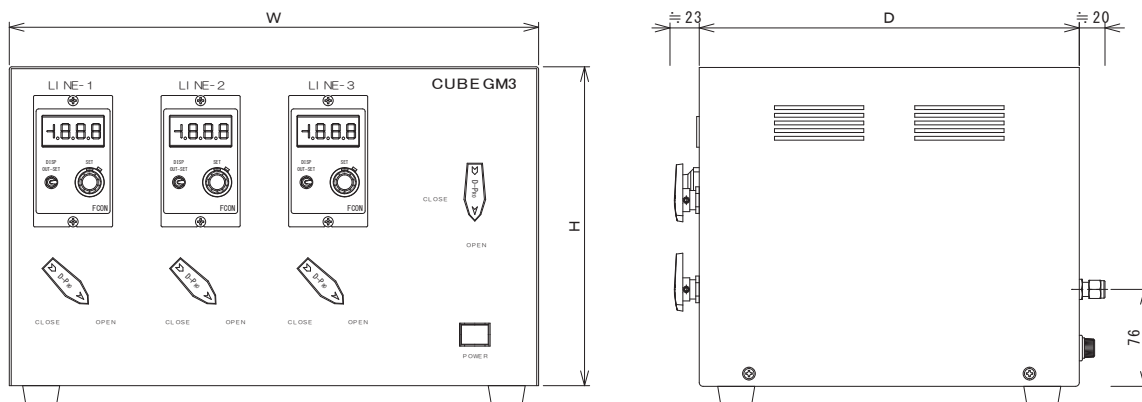
Specification

Model	CUBEGM2 (Two gases) / CUBEGM3 (Three gases) / CUBEGM4 (Four gases)
Built-in MFC	MFC1000 or FCST1000L (manufactured by Fujikin)
Gases	Most gases (e.g., air, nitrogen, carbon dioxide, argon, hydrogen, helium, methane, oxygen)
Flow range*	10SCCM to 20SLM for one line (but mixed gas flow of 50SLM or less)
Flow rate control range	Conform to built-in mass flow controller specification
Operating differential pressure	Conform to built-in mass flow controller specification
Pressure Resistance	Conform to built-in mass flow controller specification
Operating environment	5-50°C (Accuracy guaranteed between 15-35°C), 30-80% RH (No condensation permitted)
Leak Integrity	1×10 ⁻⁷ Pa·m ³ /sec (He)
Wetted surface material	SUS316, PTFE, Fluoro-Rubber and built-in mass flow controller material
Standard Fitting**	1/4in. SWL (equivalent), One-touch fittings
Inlet and Outlet valves	Ball valve
Mass flow control	10-turn potentiometer
Display	Instantaneous flow: 4 digits
Input power	AC85-264V

* At FCON, flow rates (SCCM, SLM) are converted to values at 0°C, 101.3kPa abs (1atm) for calibration. Please contact to us regarding detailed specifications for gas type and flow range.

** For other fitting, please contact us.

Dimensions



CUBEGM2 : W315×D298×H250mm
 CUBEGM3 : W415×D298×H250mm
 CUBEGM4 : W515×D298×H250mm

Ordering

CUBE GM3 1

1. mixing gases*

- GM2 : Two gases
- GM3 : Three gases
- GM4 : Four gases

*More than four gases, please contact us.