Touch panel Gas Mixer

（Buffer tank specification）

CUBE GM-Xα series

≪Features≫

● All-in-one unit with mass flow controller, control power supply, valve, check valve and gas mixer
● Program operation：Flow rate and time is possible to set for each line with program.
● Alarm function：Based on each line upper and lower limit setting, alarm sound if flow rate abnormality occurs
● The buffer tank pressure is constantly monitored, when the pressure falls below a certain level, gas is automatically supplied to the buffer tank at the flow rate set (automatic stop and automatic restart pressure are fixed values). Easy to move with equipped caster with brake.
● Equipped with a mass flow controller to supply a stable gas mixture that is not easily affected by pressure and temperature.
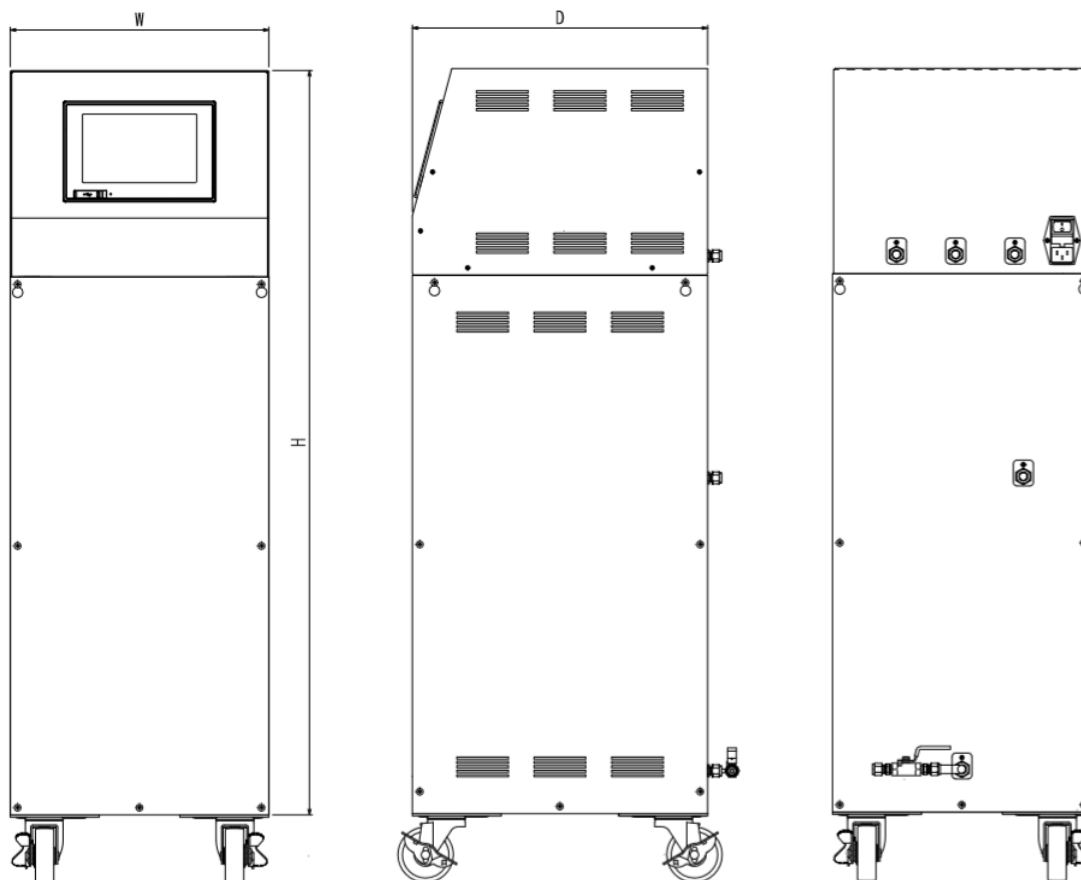
【Specification】

Model	CUBE GM-Xα2（Two gases）／CUBE GM-Xα3（Three gases）／CUBE GM-Xα4（Four gases）
Built-in MFC	C1000series／C2000series(manufactured by FCON) or FCST1000series（manufactured by Fujikin）
Flow range (*1)	≦50 SLM（Total flow rate）
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℃（Accuracy guaranteed between 15～35℃）, 85％RH（No condensation permitted）
Wetted surface material	SUS316, PTFE, Fluoro-Rubber
Standard Fitting	1/4in.SWL (equivalent) ※For other fitting, please contact us
Mass flow control	Touch panel operation
Tank volume (*2)	10 L, 20 L
Tank operating pressure	0.49 MPa 以下
Input power	AC100-240 V

*1. At FCON, flow rates (SCCM, SLM) are converted to values at 0℃, 101.3kPa abs (1atm) for calibration.

*2. Other tank volume please kindly discuss with us.

≪Dimensions≫

CUBE GM-Xα2：W350×D400×H1100(mm) ※Not including protrusions.
CUBE GM-Xα3：W430×D400×H1100(mm) ※Not including protrusions.
CUBE GM-Xα4：W510×D400×H1100(mm) ※Not including protrusions.

≪Ordering≫

CUBE GM-Xα3
①

① Mixing gases (*1)
GM-Xα2 Two gases
GM-Xα3 Three gases
GM-Xα4 Four gases

*1. More than four gases, please contact us.
We can design and manufacture upon request in addition to standard products,