

List of Mass Flow Controller / Mass Flow Meter

Gas Liquid Controller Meter

Liquid Vortex Flow Meter with Temperature Correction NEW

MODEL FML-300 SERIES

Max. flow rate: Liquid 2.5-250L/min

Accuracy: ±2-3%F.S.

Power supply: 12-24VDC

- Temperature sensor equipped
- PFA for all wetted parts (without O-ring)

P017

Gas Liquid Controller Meter *Optional needle valve

Digital Mass Flow Meter with Display

EXE-FLOW™ MODEL EX-700R SERIES

Max. flow rate: Gas 10SCCM-500SLM

Accuracy: ±1-1.5%F.S.

Power supply: 24VDC

- Built-in display
- Gas type switchable
- RS485 communication

P019

Gas Liquid Controller Meter

Compact Digital Mass Flow Controller / Mass Flow Meter

MODEL EX-250S SERIES

Max. flow rate: Gas 5SCCM-10SLM

Accuracy: ±1%F.S.

Power supply: ±15VDC / 24VDC

- High-speed response
- Gas type switchable
- RS485 communication

P021

Gas Liquid Controller Meter

Metal-sealed Digital Mass Flow Controller / Mass Flow Meter

MODEL EX-550 SERIES

Max. flow rate: Gas 10SCCM-5SLM

Accuracy: ±1%S.P. (25-100%F.S.)
±0.25%F.S. (-25%F.S.)

Power supply: ±15VDC / 24VDC

- High-speed response
- Gas type switchable
- RS485 communication

P023

Gas Liquid Controller Meter

Mass Flow Controller / Mass Flow Meter with Display NEW

MODEL 8700 SERIES

Max. flow rate: Gas 10SCCM-100SLM

Accuracy: ±1-1.5%F.S.

Power supply: 24VDC

- Built-in display
- RS485 communication

P025

Gas Liquid Controller Meter

Standard Mass Flow Controller

MODEL 3660 SERIES

Max. flow rate: Gas 10SCCM-100SLM

Accuracy: ±1-1.5%F.S.

Power supply: ±15VDC

P027

Gas Liquid Controller Meter

Standard Mass Flow Meter

MODEL 3760 SERIES

Max. flow rate: Gas 10SCCM-100SLM

Accuracy: ±1-1.5%F.S.

Power supply: ±15VDC

P028

Gas Liquid Controller Meter

High-grade Mass Flow Controller

MODEL 3200 SERIES

Max. flow rate: Gas 1SCCM-20SLM

Accuracy: ±1%F.S.

Power supply: ±15VDC

- Diaphragm valve

P029

Gas Liquid Controller Meter

High-grade Mass Flow Meter

MODEL 3100 SERIES

Max. flow rate: Gas 1SCCM-20SLM

Accuracy: ±1%F.S.

Power supply: ±15VDC

P030



Fluid

Gas

Liquid



Controller

Controller

Controller



Flow meter

Meter

Meter



Gas

Liquid

Controller

Meter

Metal-sealed Mass Flow Controller

MODEL 5100 SERIES

Max. flow rate: **Gas** 1SCCM-20SLM

Accuracy: $\pm 1\%$ F.S.

Power supply: ± 15 VDC

- Diaphragm valve



P031



Gas

Liquid

Controller

Meter

Metal-sealed Mass Flow Meter

MODEL 5410 SERIES

Max. flow rate: **Gas** 10SCCM-20SLM

Accuracy: $\pm 1\%$ F.S.

Power supply: ± 15 VDC



P032



Gas

Liquid

Controller

Meter

*Optional needle valve

Low-cost Mass Flow Meter with Display

MODEL 3810DSII SERIES

Max. flow rate: **Gas** 10SCCM-100SLM

Accuracy: $\pm 2-3\%$ F.S.

Power supply: 24VDC

- Built-in display



P033



Gas

Liquid

Controller

Meter

Low-cost Mass Flow Sensor

MODEL 3810S SERIES

Max. flow rate: **Gas** 10SCCM-50SLM

Accuracy: $\pm 3-5\%$ F.S.

Power supply: ± 15 VDC



P034



Gas

Liquid

Controller

Meter

Large flow rate Mass Flow Controller

MODEL HFC-303 SERIES

Max. flow rate: **Gas** 100-1000SLM

Accuracy: $\pm 1\%$ F.S.

Power supply: ± 15 VDC



P035



Gas

Liquid

Controller

Meter

Large flow rate Mass Flow Meter

MODEL HFM-301 SERIES

Max. flow rate: **Gas** 100-1000SLM

Accuracy: $\pm 1\%$ F.S.

Power supply: ± 15 VDC



P036



Gas

Liquid

Controller

Meter

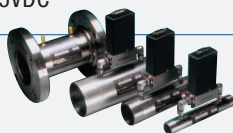
Low pressure drop large flow rate Mass Flow Meter

MODEL HFM-200W / LS SERIES

Max. flow rate: **Gas** 1500-15000SLM

Accuracy: $\pm 3-5\%$ F.S.

Power supply: ± 15 VDC



P037



Gas

Liquid

Controller

Meter

Handy Mass Flow Control / Measuring Unit

FLOW COMPO™

Max. flow rate: **Gas** 1SCCM-20SLM

Accuracy: $\pm 1\%$ F.S.

Power supply: 100VAC

- With handle



P038



Gas

Liquid

Controller

Meter

Small Karman Vortex Flow Meter for Liquid

MODEL FM01 SERIES

Max. flow rate: **Liquid** 4-150L/min


Accuracy: $\pm 3\%$ F.S.


Power supply: 12-24VDC





P039

List of Mass Flow Controller / Mass Flow Meter


Gas


Liquid


Controller


Meter

Small Karman Vortex Flow Meter for Liquid


MODEL FM31 SERIES

Max. flow rate: **Liquid** 4-100L/min

Accuracy: ±3%F.S.

Power supply: 12-24VDC

- PFA for all wetted parts (without O-ring)



P040


Gas


Liquid


Controller


Meter

Ultrasonic Flow Meter for Liquid

MODEL FML-500

Max. flow rate: **Liquid** 5L/min

Accuracy: ±30mL/min-1.5%F.S.


Power supply: 24VDC



P041

Compact Readout Unit


MODEL CR-400B



P043

Power Supply for Mass Flow Controller / Mass Flow Meter

MODEL PSK-FB SERIES



P044

AC Adapter for Mass Flow Controller / Mass Flow Meter / Conversion plug

PSK-83CE / PSK-85CE / PSK-38DSII / TR-AD



P045

Table of compatibility Cables and accessories for mass flow controller / mass flow meter

P046

FAQ

Before purchase

Q. Is the scale different depending on the total length?

The intervals on the scale depend on the model and total length of the product you select.

Q. What are the minimum and maximum values of the measurement range?

In the case of the products with a description of "Effective Scale: 10:1" in the specification sheet of the catalog, the measurement range is from 10 to 100% of the specified maximum flow rate. The measurement range of the other products is the same as the flow rate range specified in the specification sheet of the catalog.

Q. How should I specify the supply pressure and outlet pressure?

Please specify the pressure applied to the primary side of the flow meter as the supply pressure and the downstream pressure applied to the secondary side of the flow meter as the outlet pressure.

For example, if the flow meter has a regulator at the upstream part, the supply pressure should be the set pressure of the regulator. If the downstream part of the flow meter is exposed to the air and no other pressure is applied, the output pressure is zero.

Q. How should I specify the measurement pressure and load pressure?

In the case of gas, the measurement pressure is the atmosphere pressure if the secondary side is exposed to the air and no other pressure is applied to the flow meter.

If any pressure is applied to the flow meter, for example, when the flow meter has a valve at the secondary side, the pressure value should be the load pressure.

Please note that a negative pressure that is lower than the atmosphere pressure cannot be specified as the measurement pressure.

Q. What if I want to buy the same product that I have now?

Please tell me the serial number on the label.

FAQ

After purchase

Q. Is it okay to use the product with a solenoid valve?

If the product is used immediately near a solenoid valve, the pressure or flow rate rapidly changes by opening and closing of the solenoid valve, which may cause damage to the flow meter (e.g. breakage of the glass tube).

Please ensure that the pressure changes do not directly influence the flow meter as far as possible.

Q. Is it okay to use fluids other than the specified fluid?

When any fluid other than the specified one is used, a difference between the actual flow rate and indicated value is caused.

Although the indicated value can be converted with a conversion formula, the converted value is a theoretical one. Please consider it as a reference value that may have an error.

* Depending on product specifications, such as corrosion resistance, you cannot use fluids other than the specified one.

Q. The float does not move. What measures should I take?

The float may get stuck due to foreign matter entering to the flow meter.

In some cases, the problem can be solved by purging. If the problem remains, the product needs to be returned to our company for repair work, such as disassembling and cleaning.