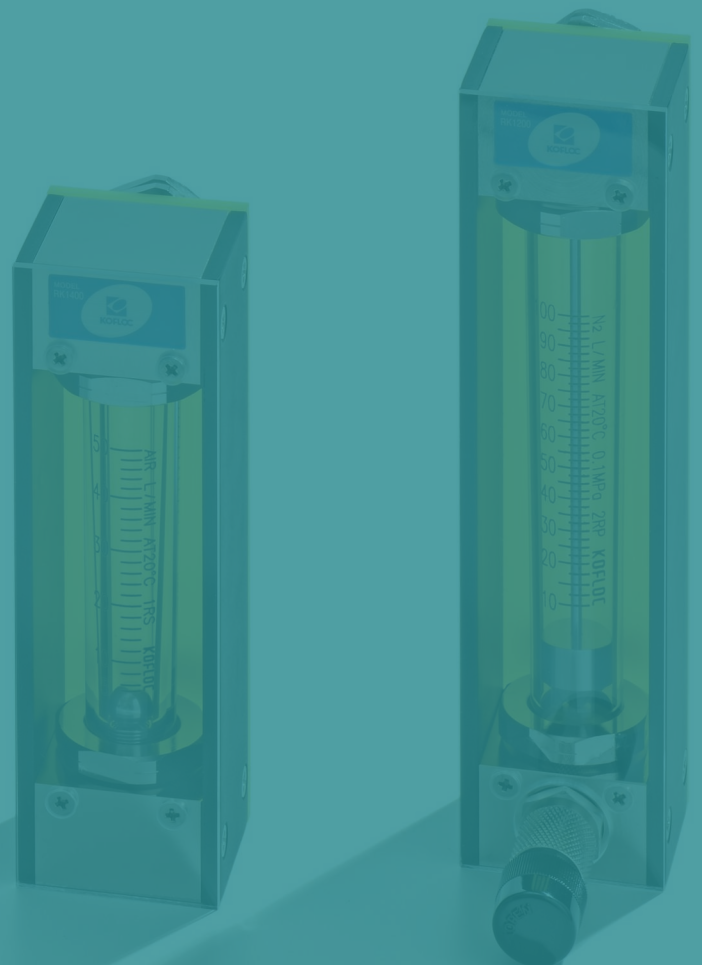
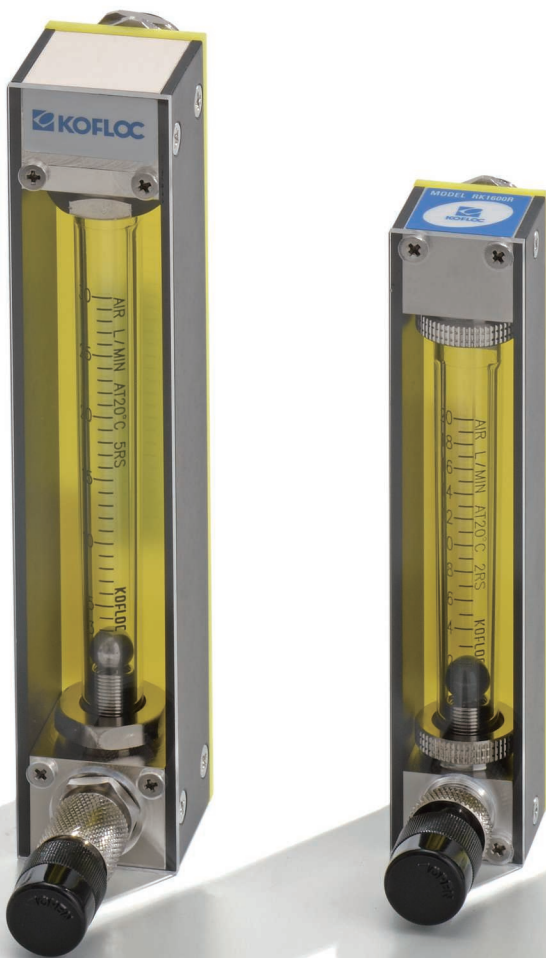


# Variable Flow Meter



# List of Variable Flow Meter



Flow Meter  
with Precision Needle Valve

## MODEL RK1200 SERIES

Max. flow rate:

Gas 5mL/min-100L/min

Liquid 5mL/min-2L/min

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

■ General-purpose



P059



High-precision Flow Meter

## MODEL RK1400 SERIES

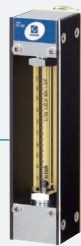
Max. flow rate:

Gas 5mL/min-100L/min

Liquid 5mL/min-2L/min

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

■ General-purpose



P061



Purge Flow Meter  
with Needle Valve

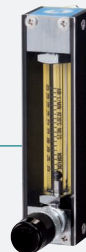
## MODEL RK1600R SERIES

Max. flow rate:

Gas 1-20L/min

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

■ Compact



P063



Purge Flow Meter

## MODEL RK1000 SERIES

Max. flow rate:

Gas 100mL/min-20L/min

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

■ Compact



P064



Resin Flow Meter

## MODEL RK20T SERIES

Max. flow rate:

Gas 0.5-100L/min

Liquid 25-2800mL/min

Accuracy:  $\pm 6\%$ F.S.

■ Low cost  
■ Quick delivery



P065



Resin Flow Meter  
for Large flow rate

NEW

## MODEL RK50T SERIES

Max. flow rate:

Gas 100-300L/min

Liquid 3-10L/min

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

■ Low cost  
■ Quick delivery



P066



Resin Flow Meter  
with Reed Switch

NEW

## MODEL RK20T-RSW SERIES

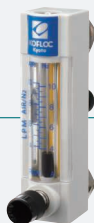
Max. flow rate:

Gas 10-100L/min

Liquid 250-2800mL/min

Accuracy:  $\pm 6\%$ F.S.

■ Alarm function



P067



Flow Meter  
for Cylinder Regulator

## MODEL RK4400 SERIES

Max. flow rate:

Gas 10mL/min-20L/min

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

■ Available for  
cylinder regulator



P068



Flow Meter  
with Reed Switch

## MODEL RK1970 / RK1975 / RK1976 SERIES

Max. flow rate:

Gas 30-150L/min

Liquid 1-5L/min

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

■ Alarm function



P069



Fluids



With flow control valve



Without flow control valve



Flow Meter  
for Large flow rate

### MODEL RK2000 / RK2005 / RK2006 SERIES

Max. flow rate:

Gas 100-1000L/min

Liquid 10-30L/min

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

- Alarm function



P071



Flow Meter  
with Photosensor

### MODEL RK1812 / RK1814 SERIES

Max. flow rate:

Gas 50mL/min-50L/min

Liquid 20mL/min-1L/min

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

- Alarm function



P073



Flow Meter  
with Bellows Needle Valve

### MODEL RK1500 SERIES

Max. flow rate:

Gas 5mL/min-30L/min

Liquid 5mL/min-1L/min

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

- Low leak



P075



Low pressure Flow Meter

### MODEL RK130 / RK230 / RK260 SERIES

Max. flow rate:

Gas 10-1000L/min

Accuracy:  $\pm 2-5\%$ F.S.

- Available for low pressure



P077



Flexible Flow Meter

### MODEL RK1100 SERIES

Max. flow rate:

Gas 10mL/min-  
20L/min

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

- Disassemble and reassemble



P079



Flow Meter  
with Stand

NEW

### MODEL RK1310 SERIES

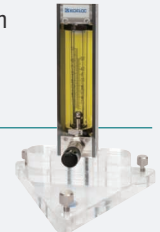
Max. flow rate:

Gas 5mL/min-100L/min

Liquid 5mL/min-2L/min

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

- Stand



P081



Multiple Flow Meter  
with Needle Valve

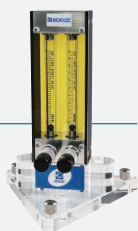
### MODEL RK120X SERIES

Max. flow rate:

Gas 5mL/min-20L/min

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

- Available for multiple lines
- Stand



P082



Multiple Flow Meter

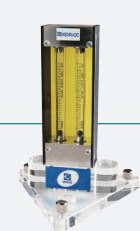
### MODEL RK140X SERIES

Max. flow rate:

Gas 5mL/min-20L/min

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

- Available for multiple lines
- Stand



P083



Multiple Flow Meter  
for Gas Mixing

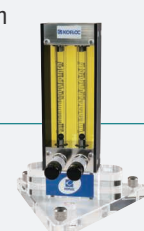
### MODEL RK120XM SERIES

Max. flow rate:

Gas 50mL/min-10L/min

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

- Gas mixing
- Stand



P084

# 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.