

# MODEL RK1200 SERIES



Applicable fluids Gas N<sub>2</sub>, Air, H<sub>2</sub>, He, Ar, O<sub>2</sub>, CO<sub>2</sub>, etc.

Liquid H<sub>2</sub>O

Max. flow rate Gas 5mL/min to 100L/min

Liquid 5mL/min to 2L/min

Accuracy ±2% F.S.

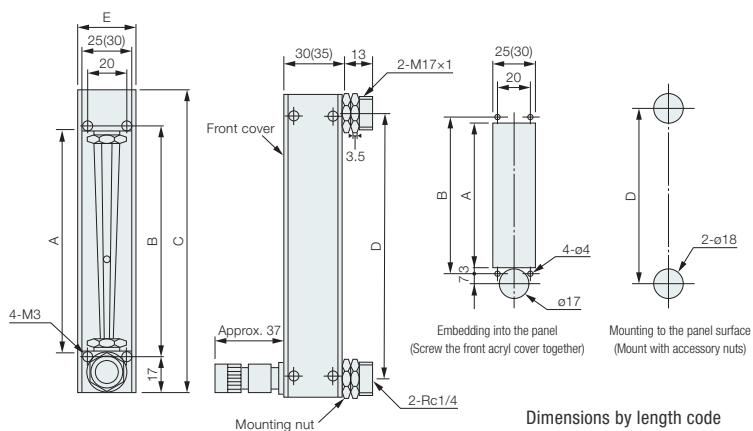
- Available for a wide range of flow rate from minute flow
- High-accuracy measurement of ±2% F.S. or better
- Superior control performance by non-rotating precision needle valve
- Upper needle valve type available
- Wide variations suitable for various conditions of use



RK1200 (valve at top)

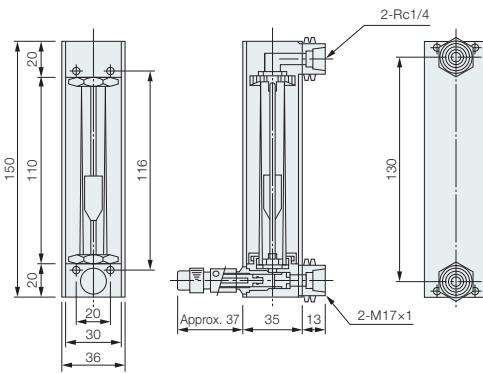
## Dimensions

<<Other than right dimension drawing>>



(Cutting dimensions)

<<Air 60 to 100L/min>>



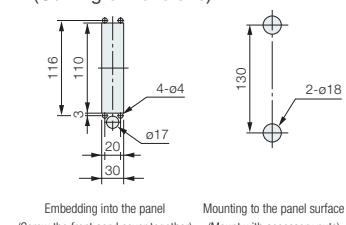
Dimensions by length code

Part	Code	12	15	20	25
A		80	110	160	210
B		86	116	166	216
C		120	150	200	250
D		100	130	180	230
E		29(36)	29(36)	31(36)	31(36)

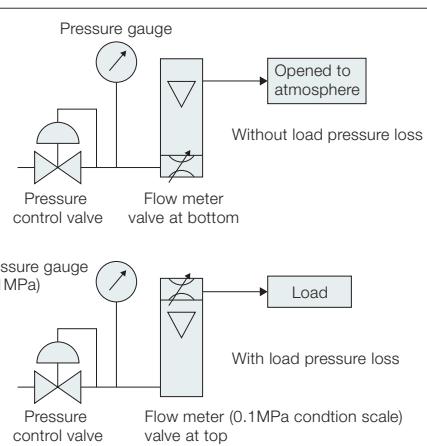
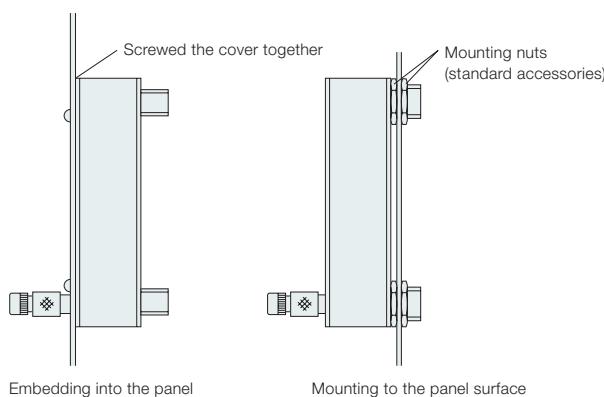
\* The figure is for the lower valve. The dimensions are upside down for the upper valve.

\* Dimensions in ( ) are for Air-50L/min and H<sub>2</sub>O-2L/min.

(Cutting dimensions)



## Example of use



## Standard Specifications

MODEL	RK1200																			
Applicable fluids	N <sub>2</sub> , Air, H <sub>2</sub> , He, Ar, O <sub>2</sub> , CO <sub>2</sub> , etc.										H <sub>2</sub> O									
Max. flow rate (Air atm condition for gas)	5mL/min to 100L/min (See the Capacity Table below)										5mL/min to 2L/min (See the Capacity Table below)									
Effective scale	10:1										±2%F.S.									
Accuracy	100mL/min or less: 1MPa(G) 5L/min or less: 0.7MPa(G) 10L/min or more: 0.5MPa(G)										5mL/min or less: 1MPa(G) 150mL/min or less: 0.7MPa(G) 200mL/min or more: 0.5MPa(G)									
Proof pressure	60°C																			
Max. working temperature	SS: SUS316, Hard glass, FKM, PCTFE, (PTFE) B: Brass, Hard glass, NBR, POM, SUS316, (PTFE)																			
Materials of parts in contact with fluid	Rc1/4																			
Connection	Approx. 450g																			
Weight	* Of the materials of parts in contact with fluid, what is in ( ) depends on the manufacturing specification condition.																			

\* Of the materials of parts in contact with fluid, what is in ( ) depends on the manufacturing specification condition.

## Capacity Table

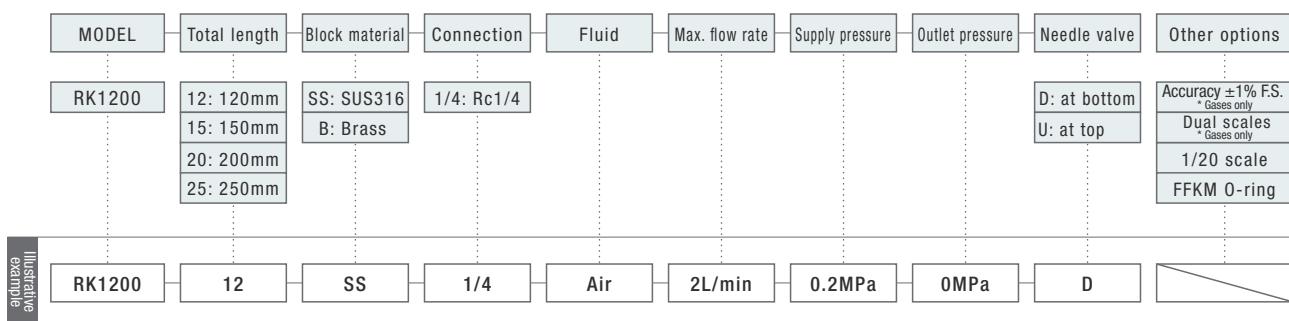
Air (atmospheric pressure)

Max. flow rate	5 mL/min	10 mL/min	20 mL/min	30 mL/min	50 mL/min	100 mL/min	150 mL/min	200 mL/min	300 mL/min	500 mL/min	1 L/min	2 L/min	3 L/min	5 L/min	10 L/min	15 L/min	20 L/min	30 L/min	50 L/min	100 L/min
Total length	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	L/min	L/min	L/min	L/min	L/min	L/min	L/min	L/min	L/min	
120mm	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
150mm	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
200mm	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
250mm	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	—	

H<sub>2</sub>O

Max. flow rate	5 mL/min	10 mL/min	20 mL/min	30 mL/min	50 mL/min	100 mL/min	150 mL/min	200 mL/min	300 mL/min	500 mL/min	1 L/min	2 L/min
Total length	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	L/min	L/min
120mm	○	○	○	○	○	○	○	○	○	○	○	—
150mm	○	○	○	○	○	○	○	○	○	○	○	○
200mm	○	○	○	○	○	○	○	○	○	○	○	—
250mm	○	○	○	○	○	○	○	○	○	○	○	—

## Ordering



\* Possible to manufacture with a scale of 0.5mL/min to 3mL/min (air at atmospheric pressure) only for total length of 120mm.

\* No shutting O-ring for FFKM option.