

# MODEL RK1400 SERIES



Gas

Liquid

With valve

Without valve

**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

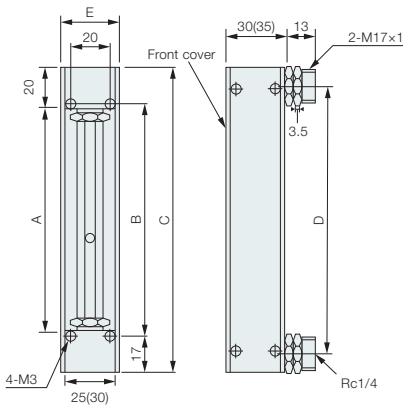
**Accuracy** ±2% F.S.



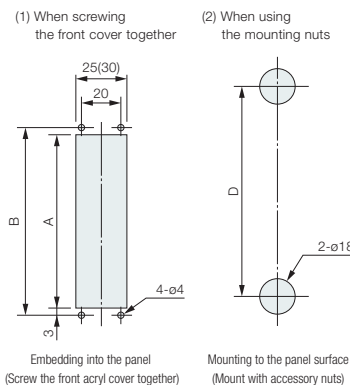
- Available for a wide range of flow rate from minute flow
- High-accuracy measurement of ±2% F.S. or better
- Wide variations suitable for various conditions of use

## Dimensions

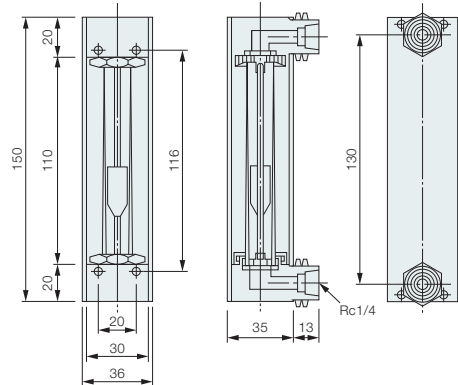
<<Other than right dimension drawing>>



(Cutting dimensions)



<<Air 60 to 100L/min>>

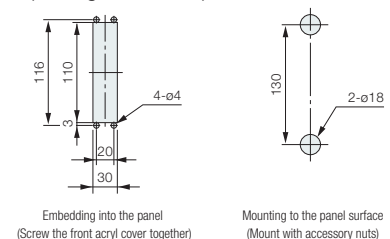


\* Dimensions in ( ) are for Air-50L/min.

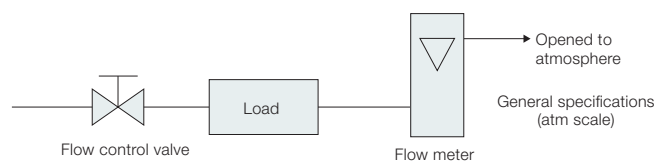
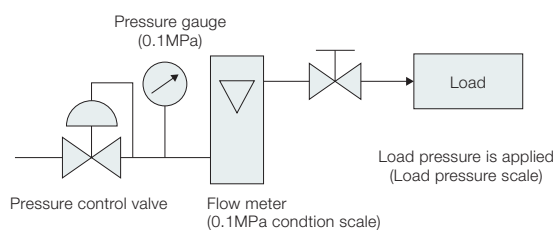
Dimensions by length code

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)

(Cutting dimensions)



## Example of use



## Standard Specifications

MODEL	RK1400	
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	
Accuracy	±2%F.S.	
Proof pressure	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)
Max. working temperature	60°C	
Materials of parts in contact with fluid	SS: SUS316, Hard glass, FKM, (PTFE, PCTFE) B: Brass, Hard glass, NBR, SUS316, (PTFE, POM)	
Connection	Rc1/4	
Weight	Approx. 400g	

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

## Capacity Table

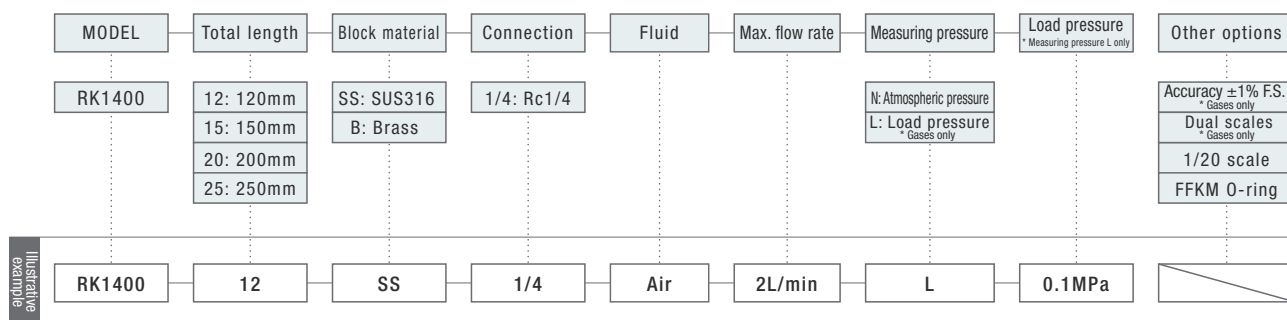
Air (atmospheric pressure)

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

H<sub>2</sub>O

Max. flow rate	5	10	20	30	50	100	150	200	300	500	1	2
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.