

Liquid H_2O

Liquid 5mL/min to 2L/min

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

- Available for a wide range of flow rate from minute flow
- High-accuracy measurement of $\pm 2\%$ 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



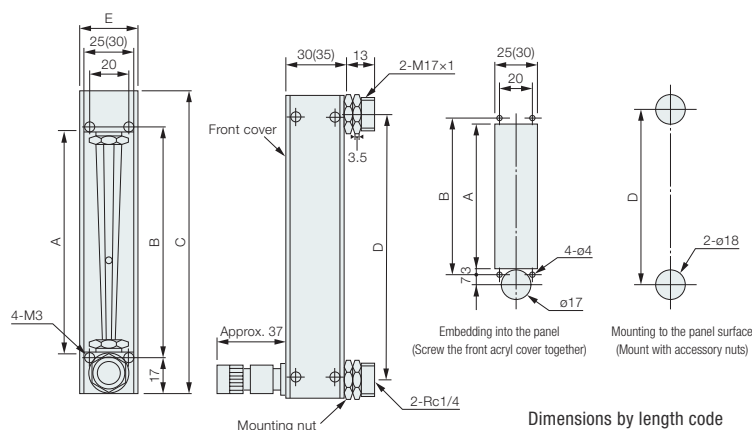
RK1200 (valve at top)

Dimensions

<<Other than right dimension drawing>>

(Cutting dimensions)

<<Air 60 to 100L/min>>

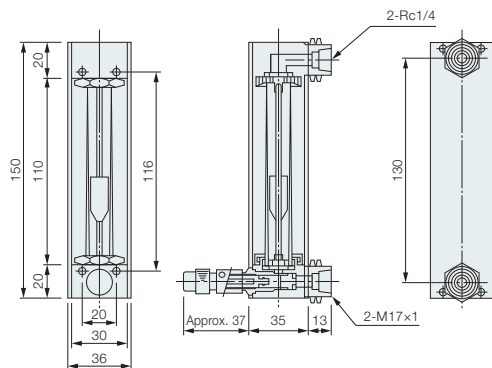


Dimensions by length code

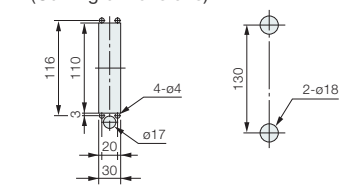
Part \ Code	12	15	20	25
A	80	110	160	210
B	86	116	166	216
C	120	150	200	250
D	100	130	180	230
E	29(36)	29(36)	31(36)	31(36)

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

* Dimensions in () are for Air-50L/min and H₂O-2L/min.

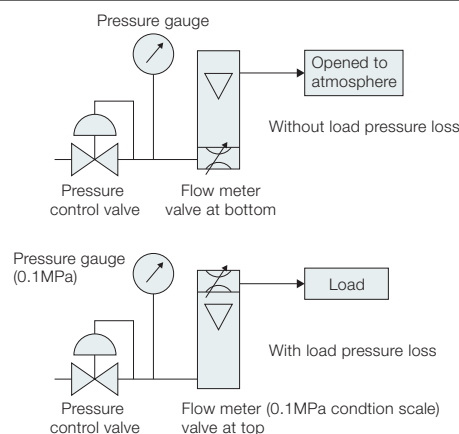
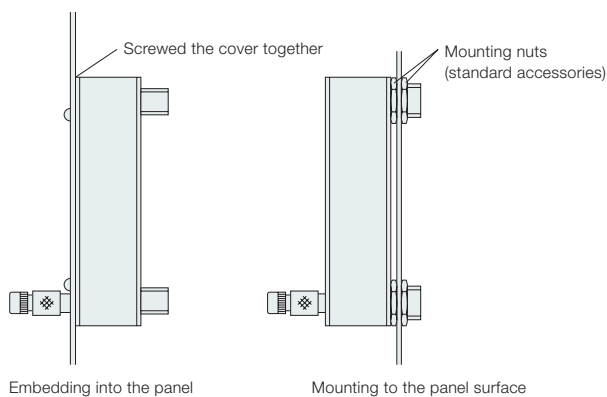


(Cutting dimensions)



Embedding into the panel	Mounting to the panel surface
(Screw the front acryl cover together)	(Mount with accessory nuts)

Example of use



Standard Specifications

MODEL	RK1200	
Applicable fluids	N ₂ , Air, H ₂ , He, Ar, O ₂ , CO ₂ , etc.	H ₂ 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, PCTFE, (PTFE) B: Brass, Hard glass, NBR, POM, SUS316, (PTFE)	
Connection	Rc1/4	
Weight	Approx. 450g	

* 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	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	—

H₂O

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

MODEL	Total length	Block material	Connection	Fluid	Max. flow rate	Supply pressure	Outlet pressure	Needle valve	Other options
RK1200	12: 120mm 15: 150mm 20: 200mm 25: 250mm	SS: SUS316 B: Brass	1/4: Rc1/4					D: at bottom U: at top	Accuracy ±1% F.S. * Gases only Dual scales * Gases only 1/20 scale FFKM O-ring
Illustrative example RK1200	12	SS	1/4	Air	2L/min	0.2MPa	0MPa	D	

* 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.