

MODEL RK1100 SERIES



Gas



Liquid



With valve



Without valve

Applicable fluids Gas N₂, Air, H₂, He, Ar, O₂, CO₂, etc.

Max. flow rate Gas 10mL/min to 20L/min

Accuracy ±2% F.S.

- Possible to disassemble and reassemble
- Capable of selecting a non-rotating precision needle valve
- Upper needle valve type available



RK1100-0

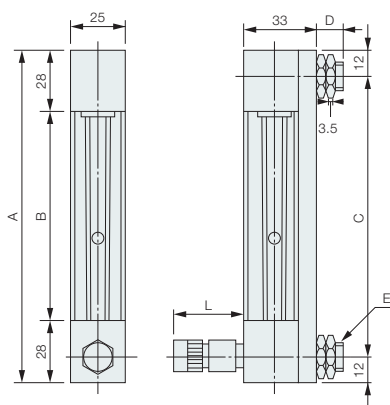


RK1100-VD

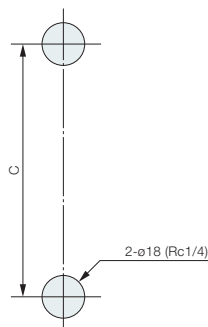


RK1100-PVD

Dimensions



(Cutting dimensions)

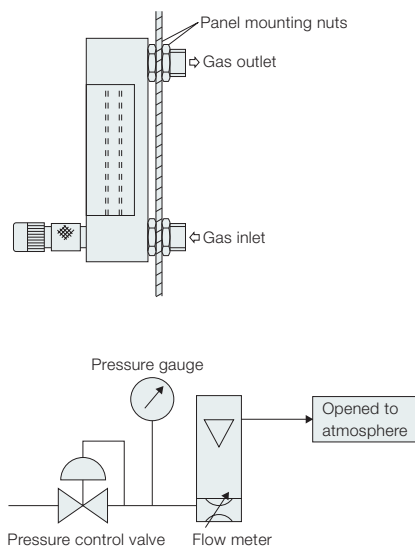


Dimensions by length code

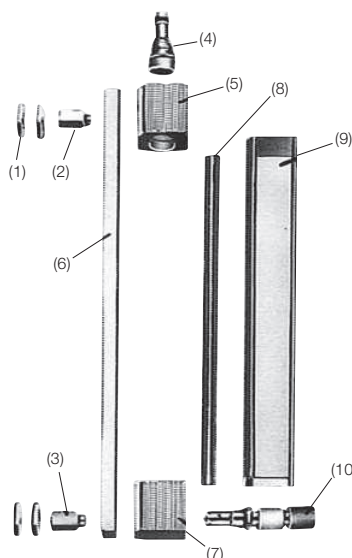
Part	Code	12	15	20	25
A		120	150	200	250
B		64	94	144	194
C		96	126	176	226
D	Rc1/4	14	14	14	14
E	Rc1/4	M17×1	M17×1	M17×1	M17×1

MODEL	L
RK1100-0	0
RK1100-V	33MAX
RK1100-PV	40

Example of use



Disassembled parts



(1)	Panel mounting nuts
(2)	Gas outlet joint
(3)	Gas inlet joint
(4)	Glass tube retainer
(5)	Upper block
(6)	Backplate base
(7)	Lower block
(8)	Glass tapered tube
(9)	Acryl cover
(10)	Needle valve

Standard Specifications

MODEL	RK1100
Applicable fluids	N ₂ , Air, H ₂ , He, Ar, O ₂ , CO ₂ , etc.
Max. flow rate (Air atm condition)	0, PV: 10mL/min to 20L/min V: 1 to 20L/min (See the Capacity Table below)
Effective scale	10:1
Accuracy	±2%F.S.
Proof pressure	0.5MPa(G)
Max. working temperature	60°C
Materials of parts in contact with fluid	S: SUS304, Hard glass, SUS316, FKM, (SUS303, PCTFE, PTFE, nylon) A: Al, Brass, Hard glass, SUS316, NBR, (SUS303, POM, PTFE, nylon)
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 Total length	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
120mm	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
150mm	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
200mm	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○
250mm	—	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○

Ordering

<with needle valve type>

MODEL	Needle valve	Total length	Block material	Connection	Fluid	Max. flow rate	Supply pressure	Outlet pressure	Other options
RK1100	VD: at bottom VU: at top PVD: Precision, at bottom PVU: Precision, at top	12: 120mm 15: 150mm 20: 200mm 25: 250mm	S: SUS304 A: Al	1/4: Rc1/4					Accuracy ±1% F.S. 1/20 scale
RK1100	PVD	12	S	1/4	Air	2L/min	0.1MPa	0MPa	

<without needle valve type>

MODEL	Needle valve	Total length	Block material	Connection	Fluid	Max. flow rate	Measuring pressure	Load pressure	Other options
RK1100	0: No	12: 120mm 15: 150mm 20: 200mm 25: 250mm	S: SUS304 A: Al	1/4: Rc1/4			N: Atmospheric pressure L: Load pressure	* Measuring pressure L only	Accuracy ±1% F.S. 1/20 scale
RK1100	0	12	S	1/4	Air	2L/min	L	0.1MPa	