

MODEL RK1500 SERIES



Applicable fluids Gas N₂, Air, H₂, He, Ar, O₂, CO₂, etc. Liquid H₂O

Max. flow rate Gas 5mL/min to 30L/min

Liquid 5mL/min to 1L/min

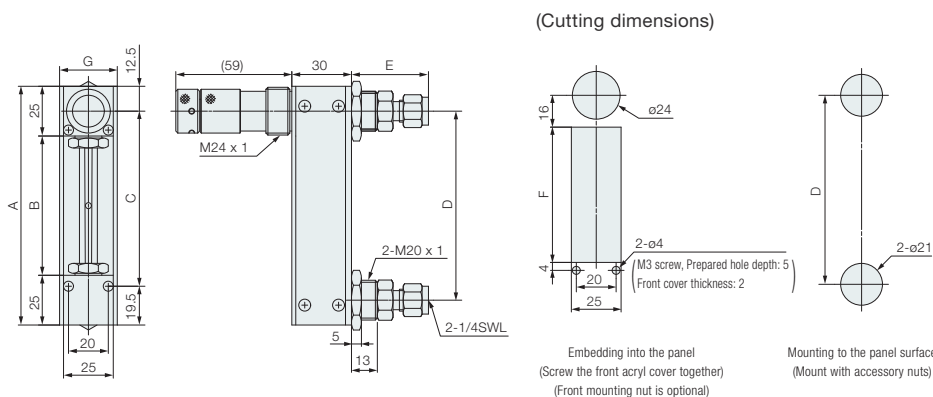
Accuracy ±2% F.S.

- Low leak thanks to bellows sealed needle valve
- Available for minute flow rate as well
- High-accuracy measurement of ±2% F.S. or better
- Superior control performance by non-rotating precision needle valve
- Upper needle valve type available



RK1500
(valve at bottom)

Dimensions



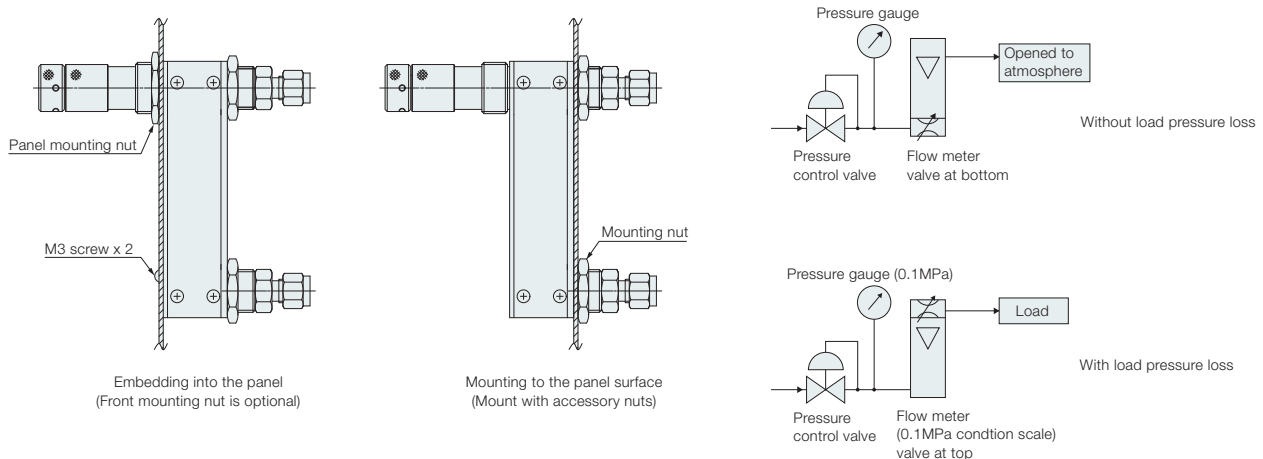
Dimensions by length code

Part	Code	12	15	20	25
A		120	150	200	250
B		70	100	150	200
C		88	118	168	218
D		95	125	175	225
E	1/4 SWL	39	39	39	39
	1/8 SWL	37	37	37	37
	1/4 VCR	37	37	37	37
F		68	98	148	198
G		29	29	31	31

* When mounting to the panel surface, remove the SWL type fittings once.

* When connecting the piping, fix the hexagonal part of fittings so that the SWL type fittings will not be loosened. (It may be loosened because of O-ring sealing.)

Example of use



Standard Specifications

MODEL	RK1500	
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 30L/min (See the Capacity Table below)	5mL/min to 1L/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	SUS316, Hard glass, FKM, PCTFE, (PTFE)	
Connection	Standard: 1/4SWL type Option: 1/8SWL type, 1/4VCR type	
Weight	Approx. 800g	

* 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
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
120mm	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
150mm	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
200mm	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○
250mm	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○

H₂O

Max. flow rate	5	10	20	30	50	100	150	200	300	500	1
Total length	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	mL/min	mL/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
RK1500	12: 120mm 15: 150mm 20: 200mm 25: 250mm	SS: SUS316	1/4SW: 1/4SWL type 1/8SW: 1/8SWL type 1/4VCR: 1/4VCR type					D: at bottom U: at top	Accuracy ±1% F.S. * Gases only Dual scales * Gases only 1/20 scale FFKM O-ring
Illustrative example RK1500	12	SS	1/4SW	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.

* If you need the front panel mounting nut, let us know at ordering time.

* 'SWL type' and 'VCR type' are shortened to SW and VCR in Ordering code.