

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 $\pm 2\%$ F.S.

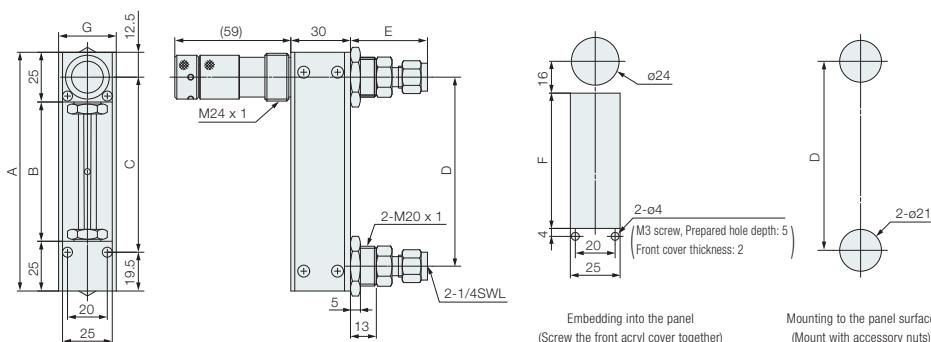
- Low leak thanks to bellows sealed needle valve
- Available for minute flow rate as well
- High-accuracy measurement of $\pm 2\%$ F.S. or better
- Superior control performance by non-rotating precision needle valve
- Upper needle valve type available



RK1500
(valve at bottom)

Dimensions

(Cutting dimensions)

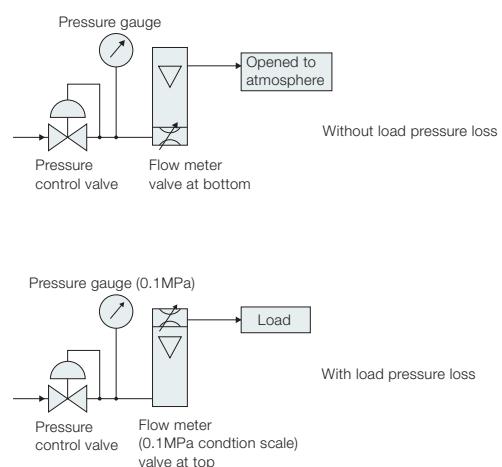
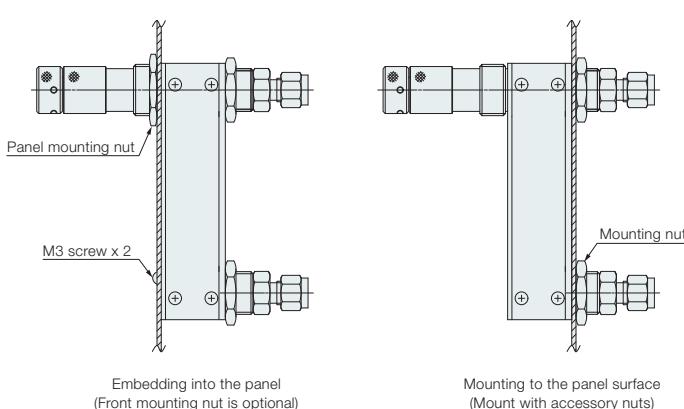


- * When mounting to the panel surface, remove the SWL type fittings once.
- * When connecting the piping, fix the hexagonal part of fittings so that the SWL type fittings will not be loosened. (It may be loosened because of O-ring sealing.)

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	

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										±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	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

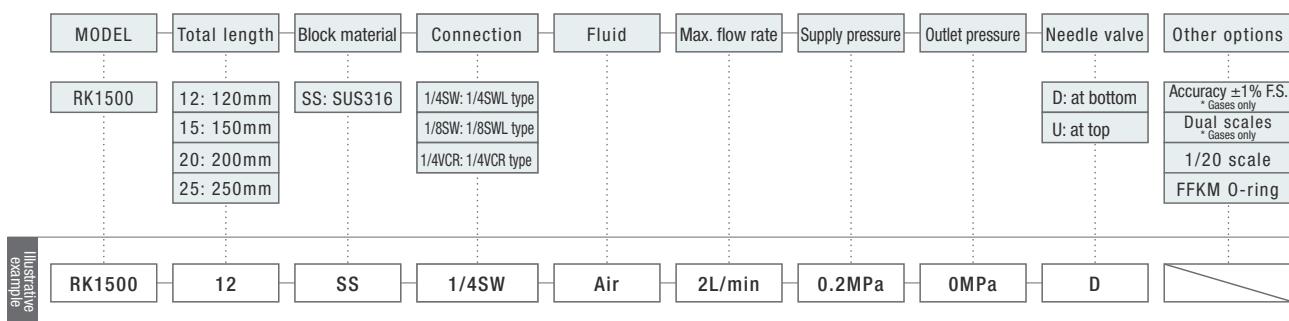
Air (atmospheric pressure)

Max. flow rate \ Total length	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
120mm	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
150mm	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
200mm	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○
250mm	—	—	—	—	—	○	○	○	○	○	○	○	○	○	○	○	○	○

H₂O

Max. flow rate \ Total length	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
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.

* 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.