



Multiple Flow Meter with Needle Valve (for Precision Measurement and Control for Laboratory)

MODEL RK120X SERIES

This multiple flow meter with a needle valve is made by combining several types of flow meter for controlling various flows in a laboratory. It is designed based on the RK1200, a flow meter with precision needle valve, and has been verified to have outstanding reliability.

Features

- Multiple control of two to four flow meters**
 Two to four flow meters can be attached to one unit to permit control of various gases in various flow ranges.
- Various flow ranges**
 The flow meter can measure a variety of flows ranging from the very small flow of full-scale 5 ML/MIN to 20 L/MIN.
- High-precision measurement and control**
 This flow meter is designed based on the precision flow meter RK1200 and permits control of very small flow and high-precision measurement (FS ±2%).

Applications

- Control of multiple components
- Multiple range control
- Flow control in laboratories

Standard Specifications

Fluids	Air, N ₂ , O ₂ , H ₂ , He, Ar, CO ₂ (Calibration with actual gas) For other gases, please consult us regarding conversion conditions or calibration with the actual gas to be used.
Flow range	From 0.5–5 ML/MIN to 2–20 L/MIN (Refer to the Capacity Table on page 55.)
Accuracy	FS ±2% (Measurement point) * Optional: FS ±1% (Measurement point)
Proof pressure	0.5MPa
Available scale	10:1 * Optional 20:1



RK1203

Material	SS	BS
Body block	SUS316	Brass
Tapered tube	Pyrex®, glass	
Packing	FKM * Option (1)	NBR
Float	Pyrex, SUS316, glass	
Protective cover	Acrylic resin	
Temperature resistance	MAX60°C	
Connection	Rc 1/4 (Standard), Rc 1/8 (Optional)	

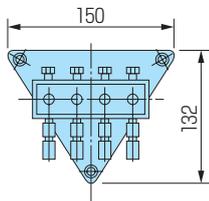
* Option (1): Fluorocarbon resin, Kalrez, Perfluoro, etc.

Dimensions

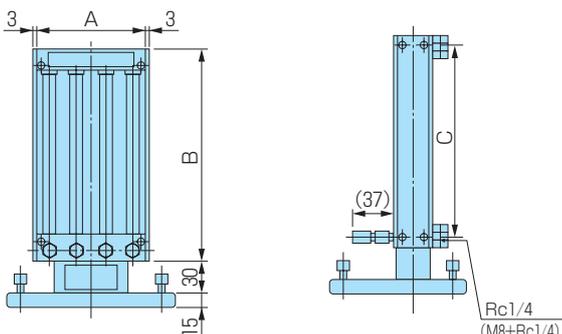
Dimensions of each part

Model	A		B	
1202	50	120	150	200
1203	75	120	150	200
1204	100	120	150	200

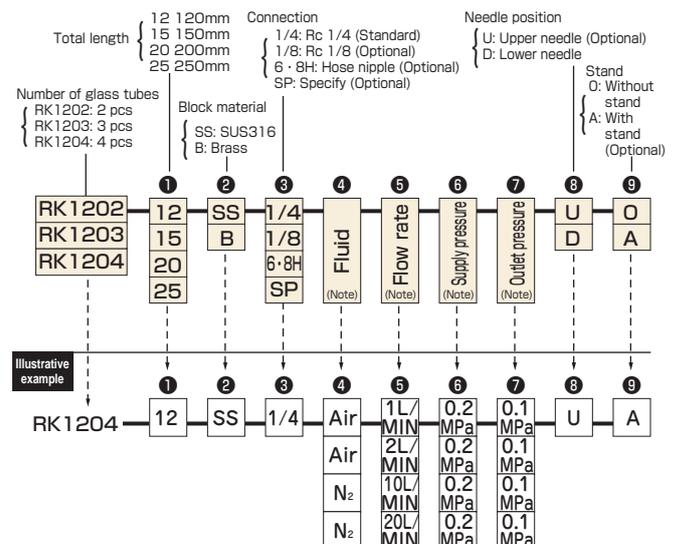
	C
B=120	100
B=150	130
B=200	180
B=250	230



<Cut Dimensions>



Ordering



(Note) Specify the flow rates in increasing order from the left, as many as the number of glass tubes for (4), (5), (6), and (7).

* Refer to "Ordering" and "Illustrative example" when placing an order or requesting a quotation. Fill in the blanks in the "Order/Quotation Request Card" at the end of the catalog, and send the card by fax.