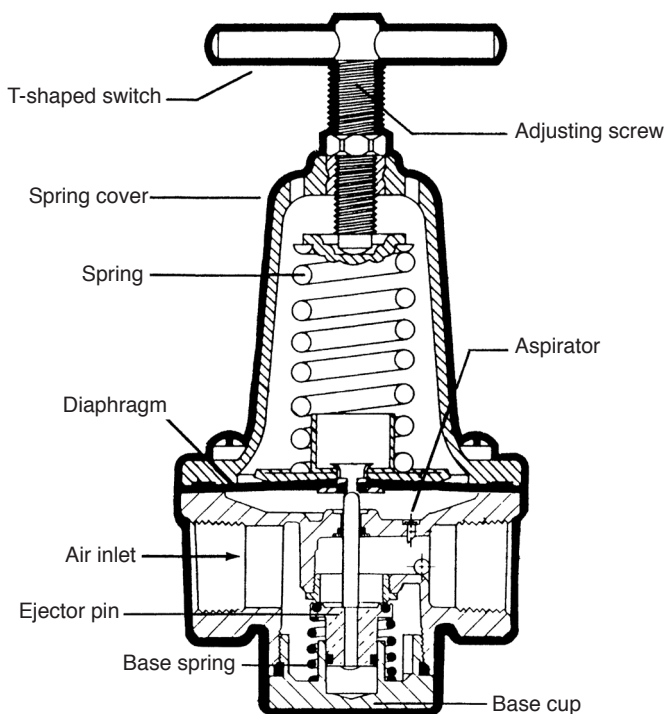


Air Pressure Regulator

Designed to endure for the harshest environment with high capacity, sturdy and durable feature.

Size ranges from 1/4 inches to 2 inches.

Extremely suitable for clients with the need for high variance in pressure flow for installation. Pressure regulation structure utilizes balanced type design to provide great pressure characteristic and low allowable errors, as well as enhance pressure stability. With regard to the pressure regulator, secondary pressure should be set below 85% of the primary pressure to avoid instability caused by fluctuation in flows and primary pressure. In addition, locking nut is provided to fix pressure and mitigate pressure fluctuation caused by external factors.



Air Pressure Regulator/R119

Standard type

- Wide range of Port size from Rc¼~2 to fit all customers' needs.
- Operating temperature range is very large.
- Designed to endure for the most harsh environment with sturdy and durable feature.

JIS Symbol



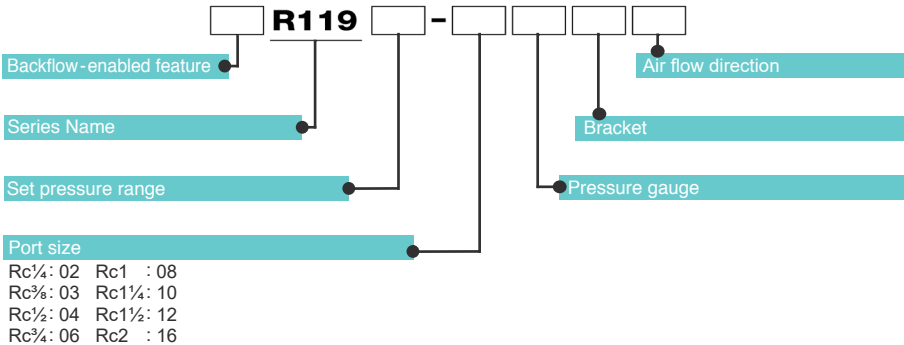
R119-03



R119-04

Specifications

Model No.	Unit	R119-02, 03	R119-04	R119-06, 08	R119-10, 12	R119-16	
Port size		Rc¼, ¾	Rc½	Rc¾, 1	Rc1¼, 1½	Rc2	
Maximum operating pressure	MPa[kgf/cm²]	1.4 (14)		1 (10)		1.4 (14)	
Proof pressure	MPa[kgf/cm²]	2.1 (21)		1.5 (15)		2.1 (21)	
Operating temperature range	℃	5~65					
Set pressure range	MPa[kgf/cm²]	0.02~0.75 (0.2~7.5) (standard)					0.03~0.75 (0.3~7.5) (standard)
Weight	kg	0.83	1.4	2.4	2.7	6.3	



• Please refer to symbol specification table and option table.

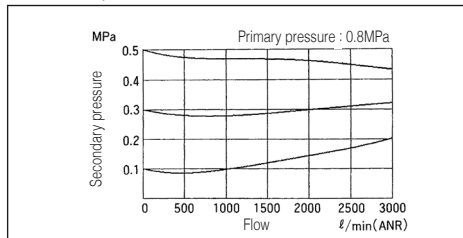
Option

Model No.		Mark	R119-02, 03	R119-04	R119-06, 08	R119-10, 12	R119-16
Pressure adjustment range	Standard pressure (0.02~0.75MPa)	Without mark	⊙		⊙		⊙
	High pressure (0.05~1.6MPa)	H	○		○		—
	Low pressure (0.01~0.4MPa)	L	○		—		—
Pressure relief mechanism	Pressure relief type	Without mark	⊙				⊙
Backflow-enabled feature	Standard	Without mark	⊙			⊙	
	Backflow-enabled	B	○			—	
Pressure gauge		G	○				
Bracket	Standard	B	○		○	○	—
	Mounting panel	P	○		—	—	—
Air flow direction	Left to Right	Without mark	⊙				
	Right to Left	R	○				

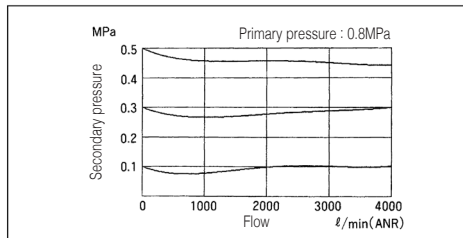
⊙ Standard ○ Option

Flow characteristics

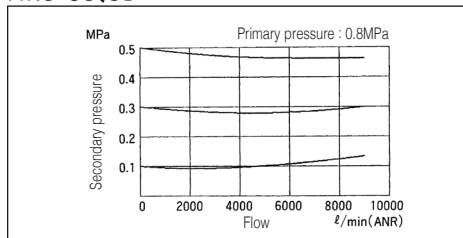
R119-02_03



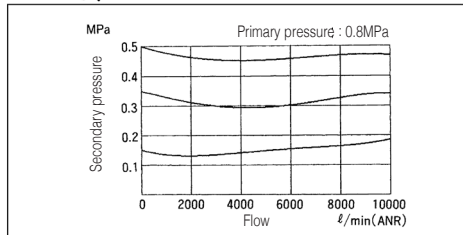
R119-04



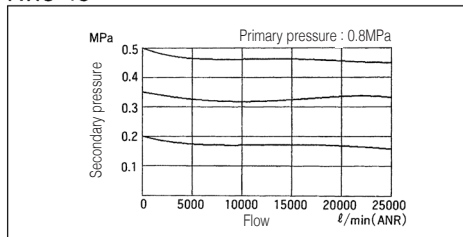
R119-06_08



R119-10_12

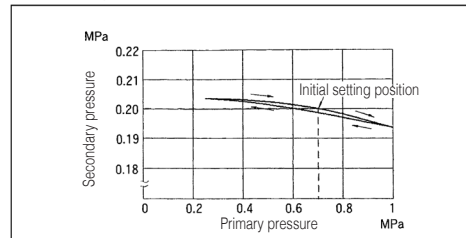


R119-16

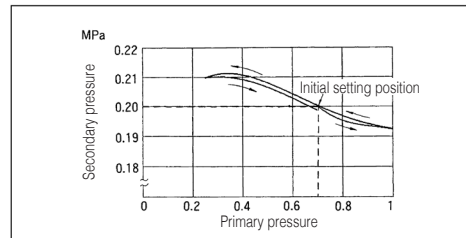


Pressure characteristics

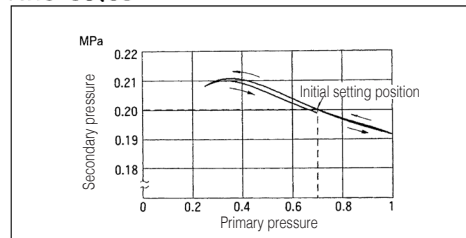
R119-02_03



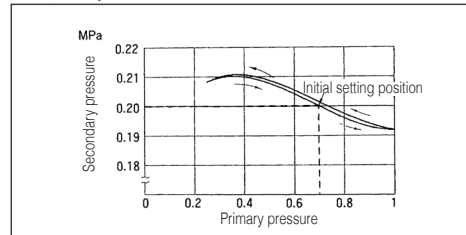
R119-04



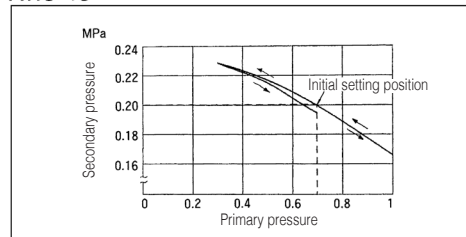
R119-06_08



R119-10_12

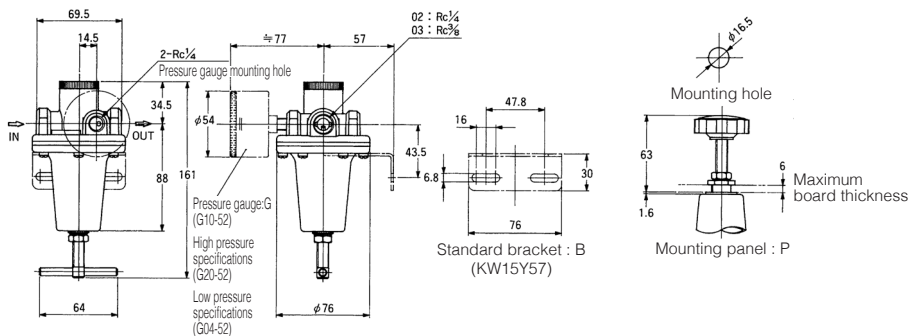


R119-16



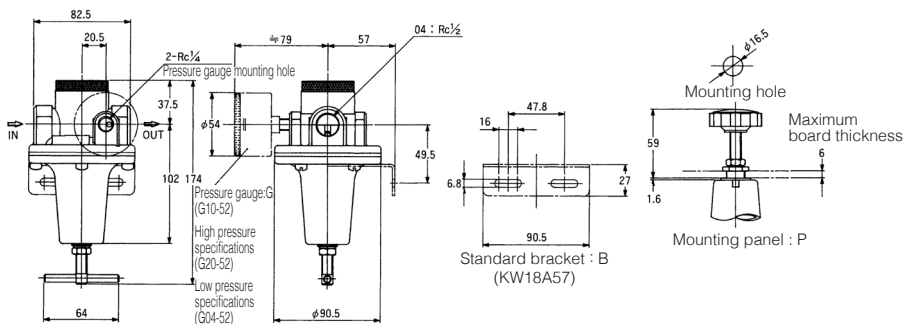
R119-02, 03

(Unit : mm)



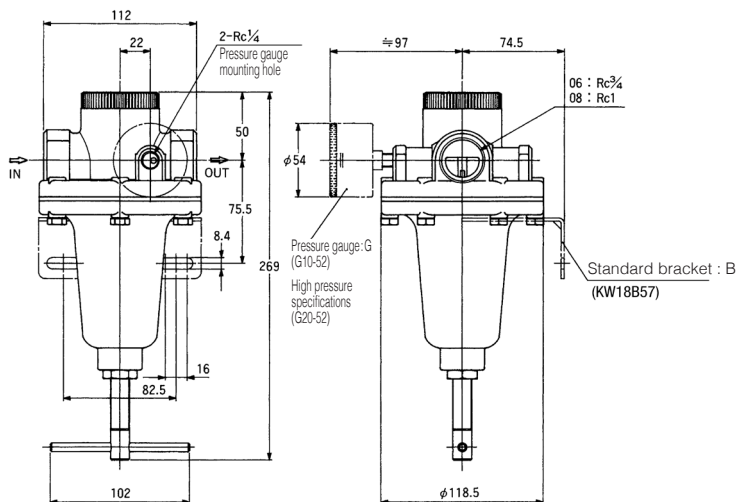
R119-04

(Unit : mm)



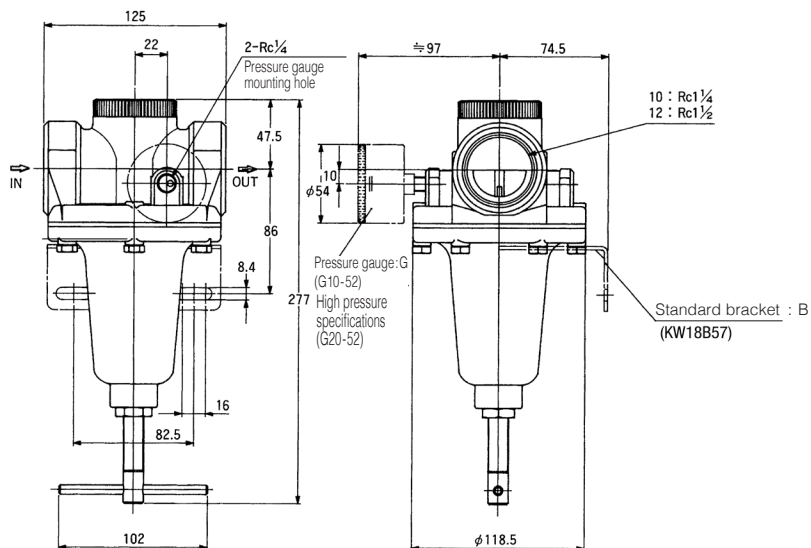
R119-06, 08

(Unit : mm)



R119-10, 12

(Unit : mm)



R119-16

(Unit : mm)

