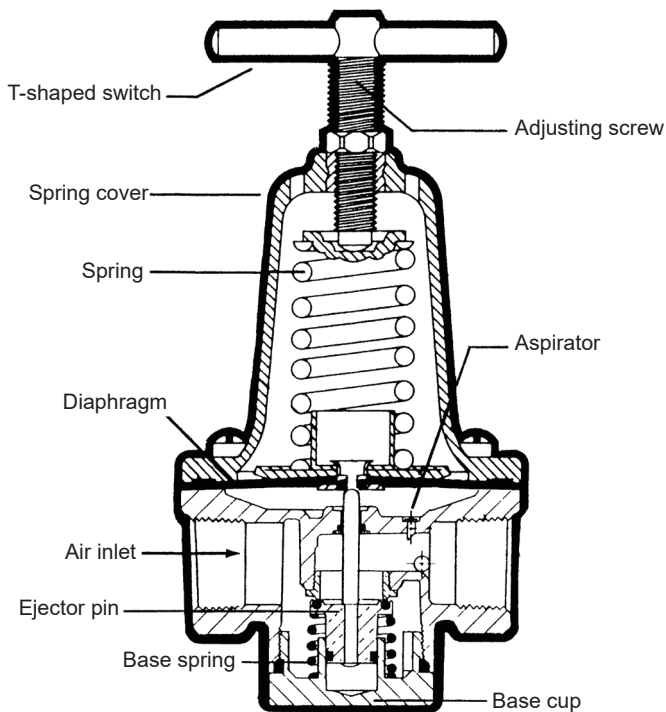


# Air Pressure Regulator

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



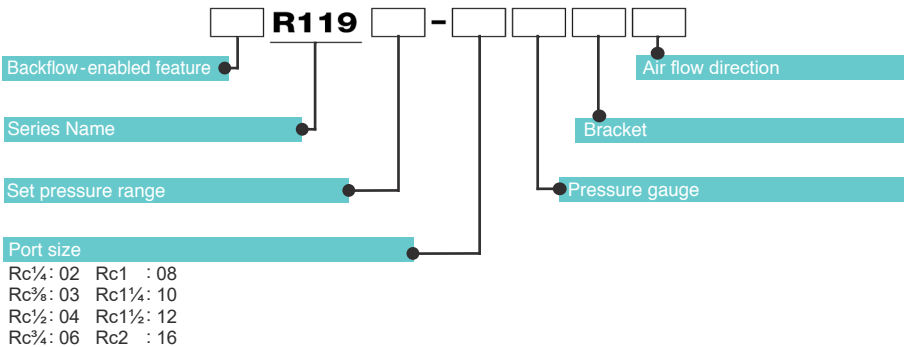
R119-03



R119-04

## Specifications

| Model No.                   | Unit         | R119-02, 03                       | R119-04 | R119-06, 08 | R119-10, 12 | R119-16                           |
|-----------------------------|--------------|-----------------------------------|---------|-------------|-------------|-----------------------------------|
| Port size                   |              | Rc¼, ⅜                            | Rc½     | Rc¾, 1      | Rc1¼, 1½    | Rc2                               |
| Maximum operating pressure  | MPa[kgf/cm²] | 0.75 (7.5)                        |         | 0.75 (7.5)  |             | 0.75 (7.5)                        |
| Proof pressure              | MPa[kgf/cm²] | 2.1(21)                           |         | 2.1(21)     |             | 2.1(21)                           |
| Operating temperature range | ℃            | 5~65                              |         |             |             |                                   |
| Set pressure range          | MPa[kgf/cm²] | 0.02~0.75<br>(0.2~7.5) (standard) |         |             |             | 0.03~0.75<br>(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.

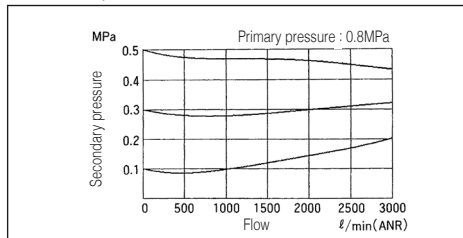
### Option

| 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            | ○           |         |             |             |         |

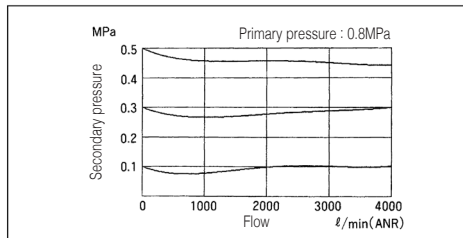
⊙ Standard ○ Option

## Flow characteristics

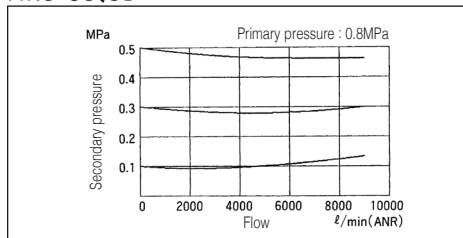
R119-02\_03



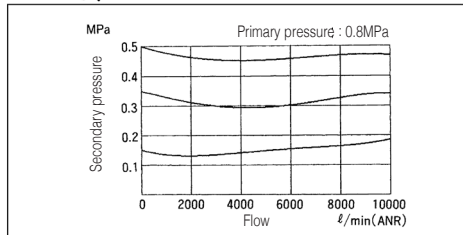
R119-04



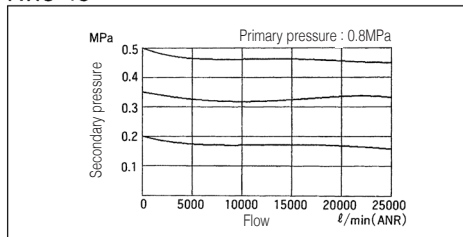
R119-06\_08



R119-10\_12

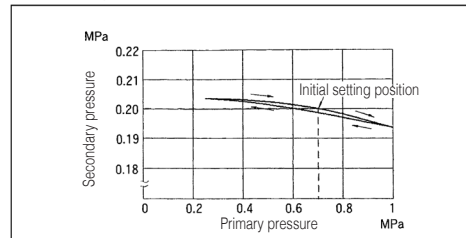


R119-16

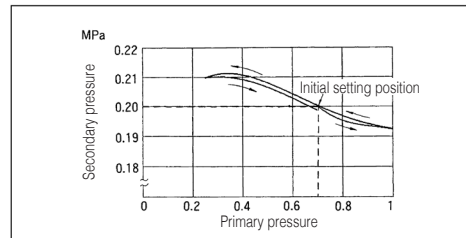


## Pressure characteristics

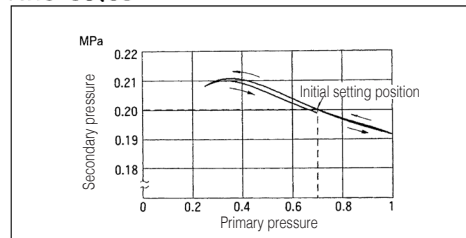
R119-02\_03



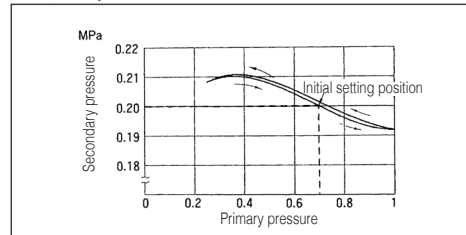
R119-04



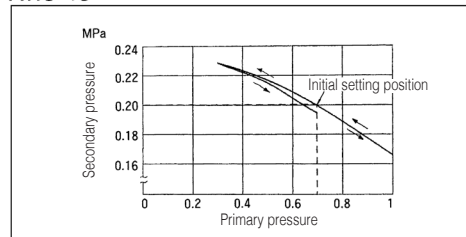
R119-06\_08



R119-10\_12

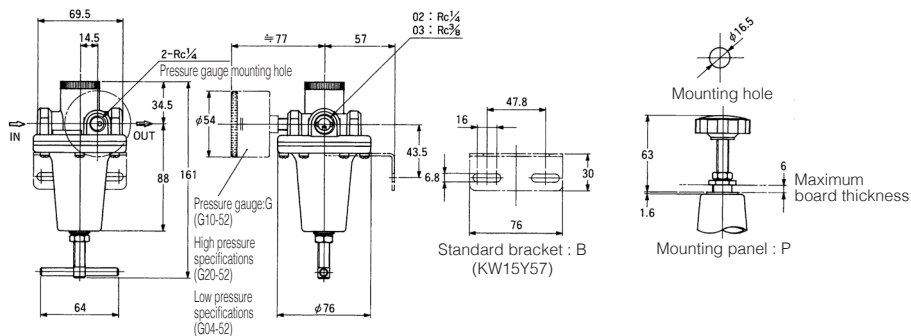


R119-16



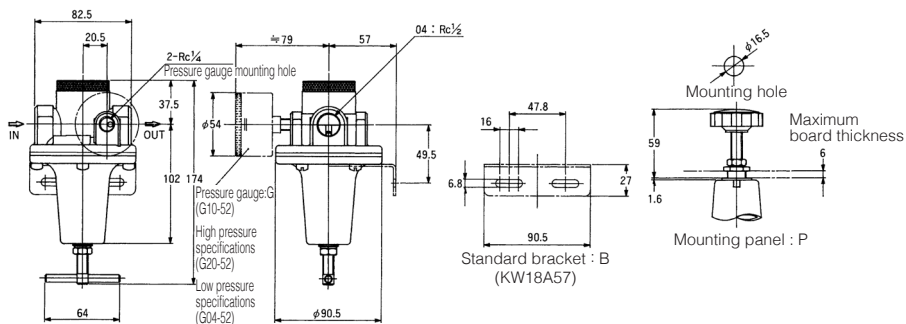
R119-02, 03

(Unit : mm)



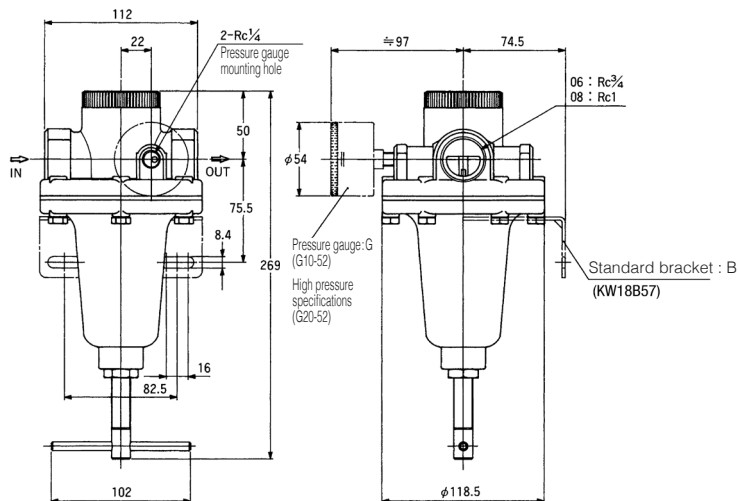
R119-04

(Unit : mm)



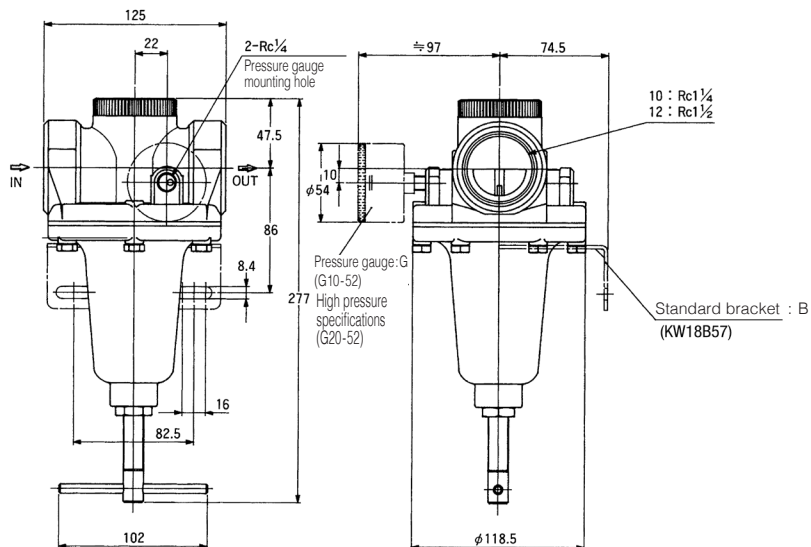
R119-06, 08

(Unit : mm)



## R119-10, 12

(Unit : mm)



## R119-16

(Unit : mm)

