

# Modular Check Valve

The modular check valve is used to prevent downstream pressure loss. Acting as a one-way directional flow valve, this device is generally installed downstream of the regulator.

## □ PCV2



## □ PCV4



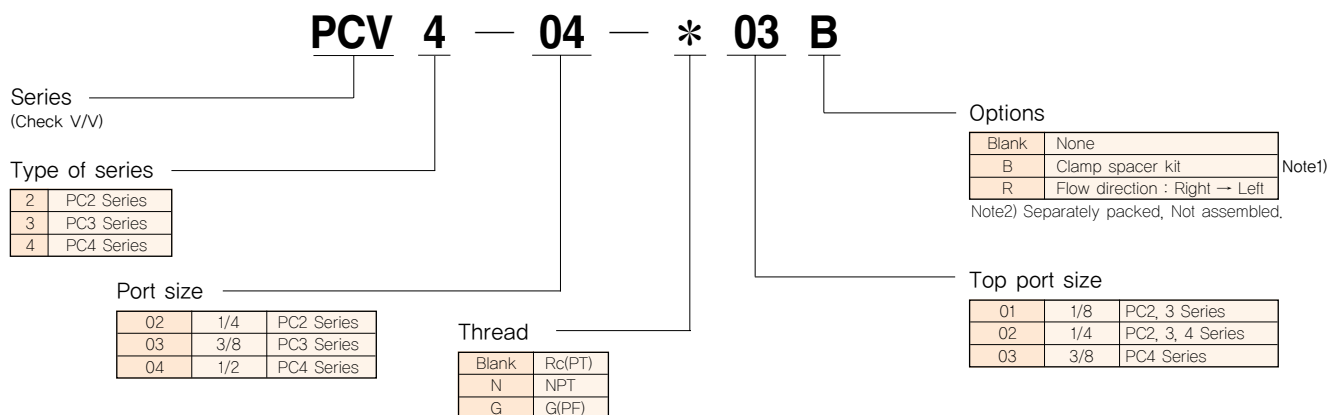
## □ PCV3



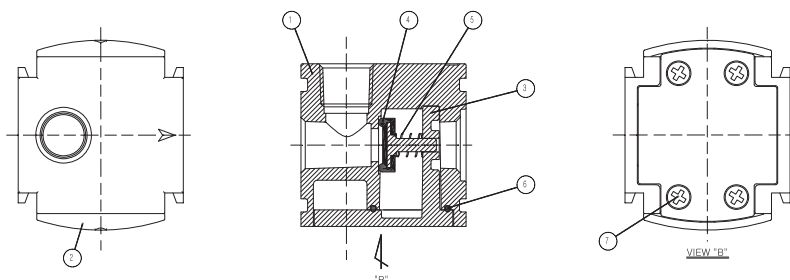
## ■ Standard Specifications

| Specifications                      | PCV2              | PCV3               | PCV4               |
|-------------------------------------|-------------------|--------------------|--------------------|
| Port size<br>(no threads)           | 1/4 " Hole        | 3/8 " Hole         | 1/2 " Hole         |
| Top port size<br>Rc(PT), NPT, G(PF) | 1/8 ", 1/4 "      | 1/8 ", 1/4 "       | 1/4 ", 3/8 "       |
| Max. flow capacity<br>(N l /min)    | 1,200<br>(42scfm) | 3,500<br>(124scfm) | 5,000<br>(177scfm) |
| Weight (kg)                         | 0.01(0.02lb)      | 0.23(0.51lb)       | 0.43(0.95lb)       |

## ■ How to order



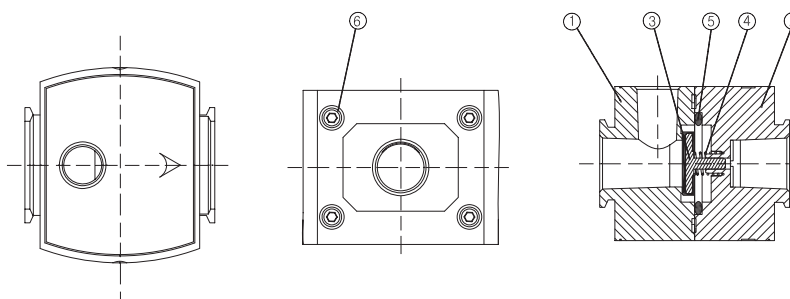
## ■ PCV2 Construction



Main part list

| No. | Description          | Material        | Remarks |
|-----|----------------------|-----------------|---------|
| ①   | Body                 | Aluminum        |         |
| ②   | F-body cover         | Nylon           |         |
| ③   | Body cover           | Aluminum        |         |
| ④   | Valve assembly       | Brass+NBR       |         |
| ⑤   | Spring               | Stainless steel |         |
| ⑥   | Gasket of body cover | NBR             |         |
| ⑦   | Bolt of cover        | Rolled steel    |         |

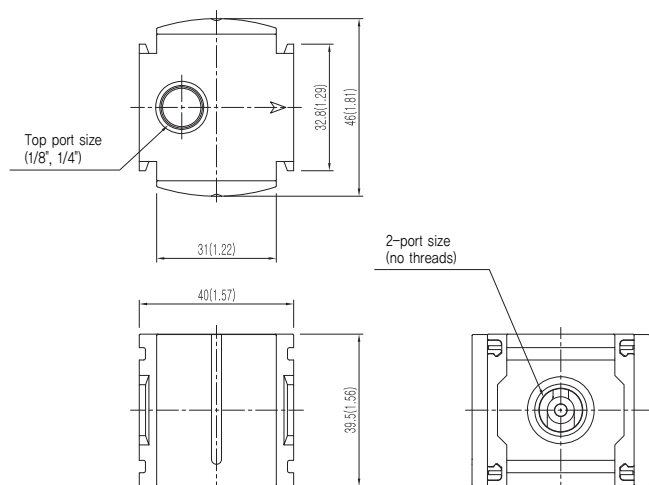
## ■ PCV3, 4 Construction



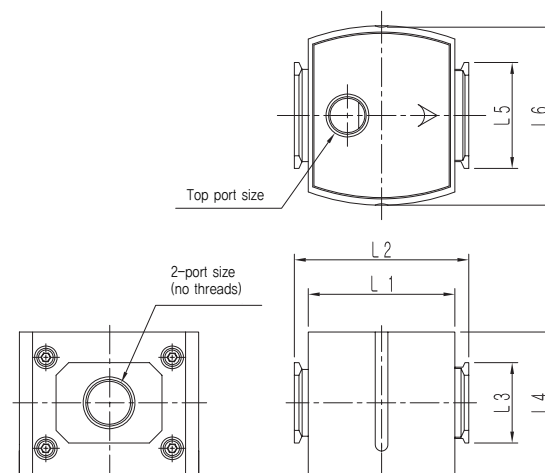
Main part list

| No. | Description    | Material        | Remarks |
|-----|----------------|-----------------|---------|
| ①   | Body R         | Aluminum        |         |
| ②   | Body L         | Aluminum        |         |
| ③   | Valve assembly | Brass+NBR       |         |
| ④   | Return spring  | Stainless steel |         |
| ⑤   | Gasket         | NBR             |         |
| ⑥   | Wrench bolt    | Rolled steel    |         |

## ■ PCV2 Dimensions



## ■ PCV3, 4 Dimensions



| Series | Main dimensions           |                                  |              |              |                |              |                |             | Remarks |
|--------|---------------------------|----------------------------------|--------------|--------------|----------------|--------------|----------------|-------------|---------|
|        | port size<br>(no threads) | Top port size<br>R(PT),NPT,G(PF) | L 1          | L 2          | L 3            | L 4          | L 5            | L 6         |         |
| PCV3   | 3/8"                      | 1/8, 1/4                         | 46<br>(1.81) | 56<br>(2.2)  | 45<br>(1.77)   | 49<br>(1.93) | 33<br>(1.3)    | 56<br>(2.2) |         |
| PCV4   | 1/2"                      | 1/4, 3/8                         | 58<br>(2.28) | 69<br>(2.72) | 31.8<br>(1.25) | 56<br>(2.2)  | 41.9<br>(1.65) | 71<br>(2.8) |         |