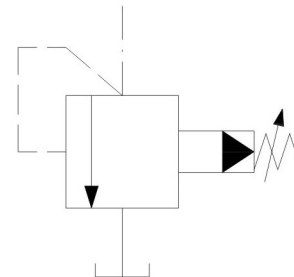


## Pilot Operated Relief Valves



JIS Graphic Symbol



### Feature

These valves protect the hydraulic system from excessive pressure, and can be used to maintain constant pressure in a hydraulic system. Remote control and unloading are permitted by using vent circuits.

### Model Definition

| RV                          | G                                                | -03                                                | -3                                |
|-----------------------------|--------------------------------------------------|----------------------------------------------------|-----------------------------------|
| Model Series                | Installation Type                                | Valve Size(inch)                                   | Pressure Adj. Range (MPa)         |
| Pilot Operated Relief Valve | G: Sub-plate Mounting<br>T: Threaded Connections | 03 : 3/8"<br>04 : 1/2"<br>06 : 3/4"<br>10 : 1 1/4" | 1 : 1~7<br>2 : 3.5~14<br>3 : 7~25 |

### Specification

| Model No.     | Max. Operating Pressure(MPa) | Pressure Adj. Range(MPa) | Max. Flow(L/min) |
|---------------|------------------------------|--------------------------|------------------|
| RVG-03 RVT-04 | 25                           | 1 : 1~7                  | 100              |
| RVG-06 RVT-06 |                              | 2 : 3.5~14               | 200              |
| RVG-10 RVT-10 |                              | 3 : 7~25                 | 400              |

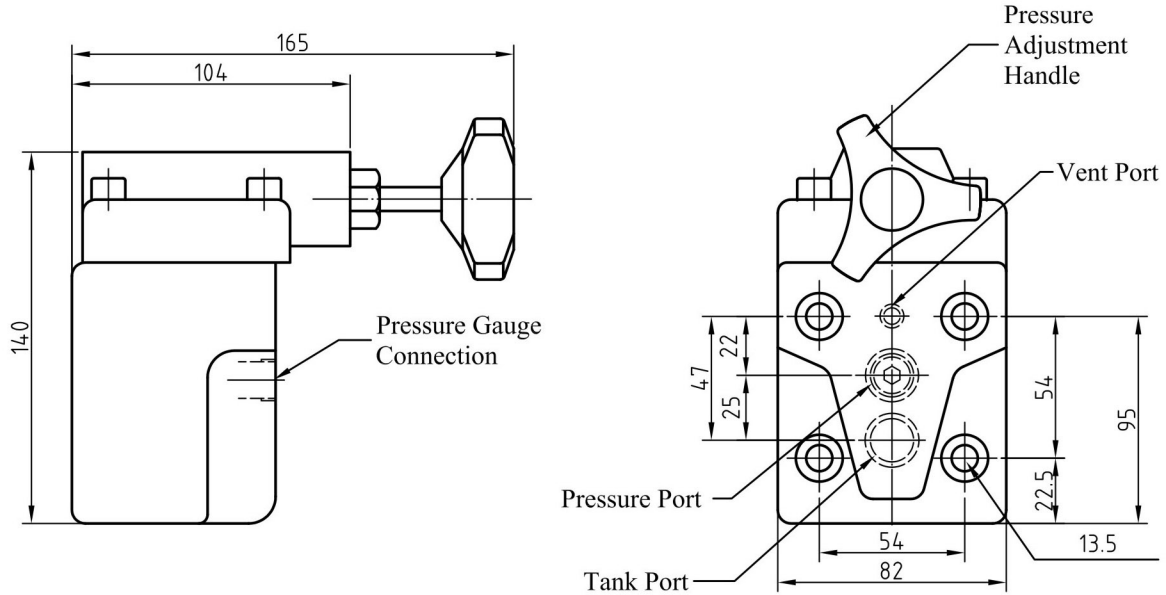
### Instructions

- In addition, if the internal volume of the vent line is too large, chattering is likely to occur. Please try to reduce the inside diameter and the length of the pipe.
- If the flow is low, the setting pressure may be unstable. The flow rate should be greater than 5 L/min while using size 03 or 06, and greater than 8 L/min while using size 10.

Dimension

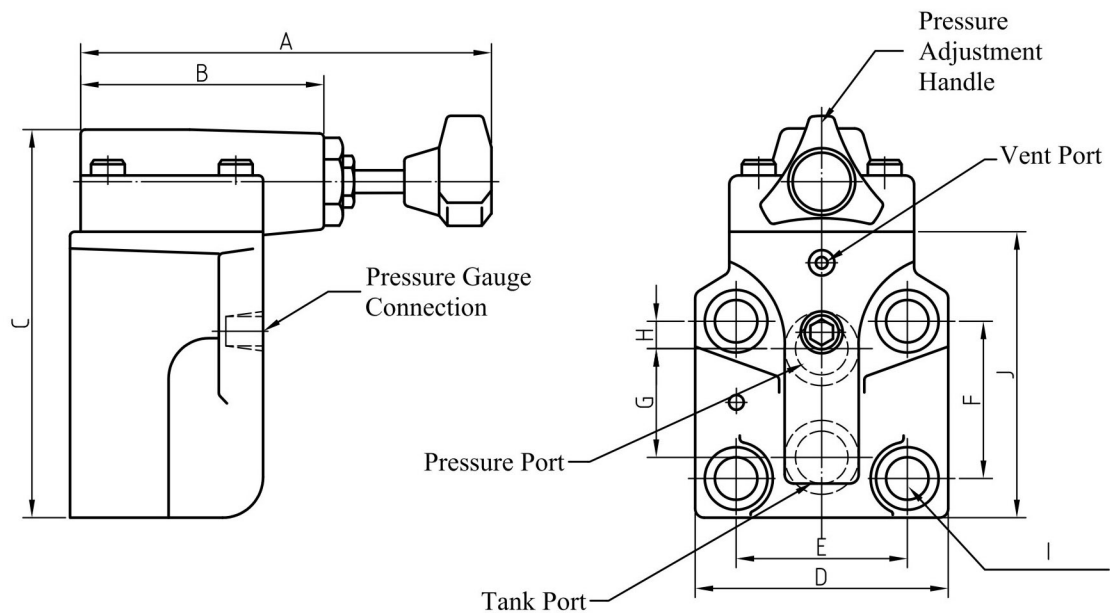
**RVG-03**

RVG-03 : ISO 6264-AR-06-2-A

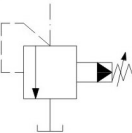


**RVG-06/10**

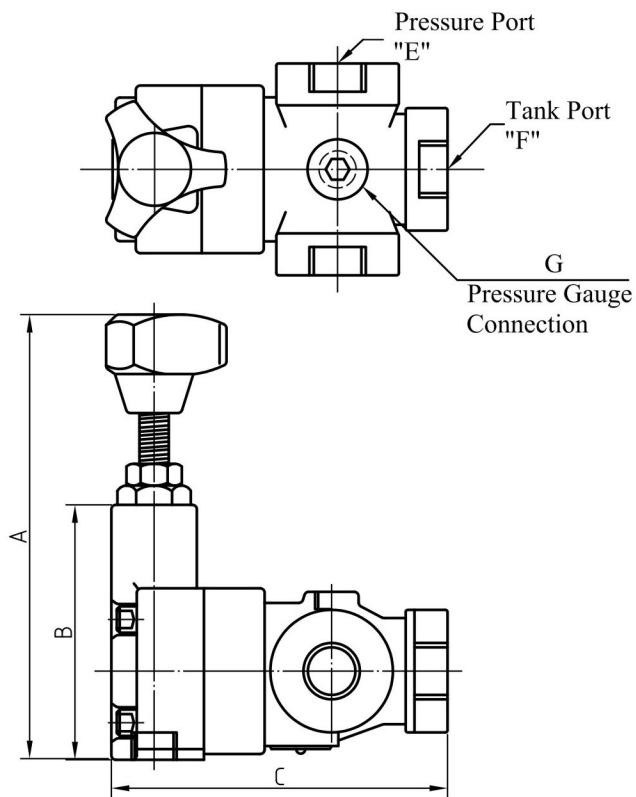
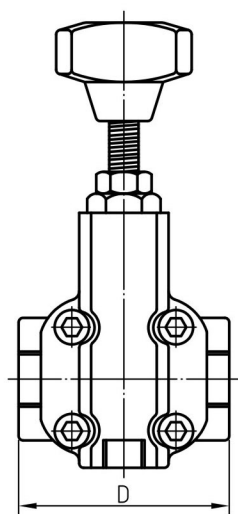
RVG-06 : ISO 6264-AS-08-2-A  
RVG-10 : ISO 6264-AT-10-2-A



| Model No. | A       | B   | C   | D   | E  | F    | G    | H    | I  | J   |
|-----------|---------|-----|-----|-----|----|------|------|------|----|-----|
| RVG-06    | MAX.172 | 104 | 168 | 103 | 70 | 66.7 | 44.1 | 11.1 | 17 | 123 |
| RVG-10    | MAX.184 | 104 | 200 | 125 | 82 | 63.6 | 63.6 | 12.7 | 22 | 154 |



RVT-04/06/10



| Model No. | A   | B   | C   | D   | E         | F         | G       |
|-----------|-----|-----|-----|-----|-----------|-----------|---------|
| RVT-04    | 139 | 92  | 128 | 94  | PT 1/2"   | PT 1/2"   | PT 1/4" |
| RVT-06    | 143 | 103 | 144 | 101 | PT 3/4"   | PT 3/4"   | PT 1/4" |
| RVT-10    | 151 | 104 | 174 | 128 | PT 1 1/4" | PT 1 1/4" | PT 1/4" |