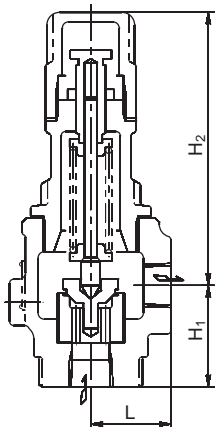


Cast iron  
16K  
Screwed

## Type RPC14 Relief Valve

### Features

- For liquid
- Closed type allow some back pressure
- Useful for back pressure regulating valve



### Specifications

|                  |   |                         |
|------------------|---|-------------------------|
| Spring case form | Non-lever closed  |                         |
| Fluid            | Water, oil and non-corrosive liquid                       |                         |
| Pressure         | Set : 0.04 – 1.6 MPa (back pressure : 1.0MPa or less)     |                         |
| Temperature      | 0 – 205°C   |                         |
| Material         | Body  | Cast iron               |
|                  | Valve seat  | Stainless steel         |
|                  | Valve disc  | Stainless steel         |
|                  | Stem  | Stainless steel         |
|                  | Spring case   | Cast iron               |
|                  | Adjusting spring  | Spring wire, piano wire |
|                  | Cover   | Cast iron               |
|                  | Adjusting ring  | Brass                   |
| Use for          | Thermal relief, pump by-pass and back pressure regulating |                         |

- Note
1. In case of being back pressure, inlet pressure will be set pressure + back pressure. Allowable max. inlet pressure is 1.6MPa.
  2. Back pressure should be less than 10% of inlet pressure.

### Dimensions and weights

(mm, kg)

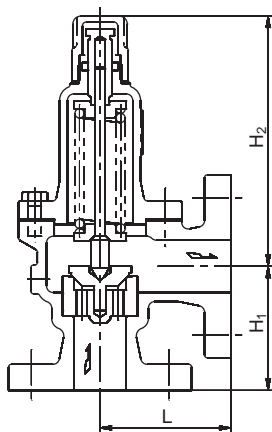
| Size<br>Inlet×Outlet | L  | H <sub>1</sub> | Height<br>H <sub>2</sub> | Connection        |                   | Weight |
|----------------------|----|----------------|--------------------------|-------------------|-------------------|--------|
|                      |    |                |                          | Inlet             | Outlet            |        |
| 15×15                | 38 | 48             | 129                      | Screwed<br>JIS Rc | Screwed<br>JIS Rc | 1.5    |
| 20×20                | 38 | 48             | 129                      |                   |                   | 2      |
| 25×25                | 44 | 56             | 140                      |                   |                   | 3      |
| 32×32                | 51 | 70             | 162                      |                   |                   | 4      |
| 40×40                | 57 | 75             | 182                      |                   |                   | 5      |

**Cast iron  
 10K, 16K  
 Flanged**

# Type RPC14 Relief Valve

## Features

- For liquid
- Closed type allow some back pressure
- Useful for back pressure regulating valve



## Specifications

|                  |   |  |
|------------------|---|--|
| Spring case form | Non-lever closed  |  |
| Fluid            | Water, oil and non-corrosive liquid                       |  |
| Pressure         | Set : 0.04 – 1.6 MPa (back pressure : 1.0MPa or less)     |  |
| Temperature      | 0 – 205°C   |  |
| Material         | Body  | Cast iron (15A – 40A, JIS16K : Spherical graphite cast iron) |
|                  | Valve seat  | Stainless steel  |
|                  | Valve disc  | Stainless steel  |
|                  | Stem  | Stainless steel  |
|                  | Spring case   | Cast iron  |
|                  | Adjusting spring  | Spring wire, piano wire                                      |
|                  | Cover   | Cast iron  |
|                  | Adjusting ring  | Brass  |
| Use for          | Thermal relief, pump by-pass and back pressure regulating |  |

Note : In case of being back pressure, inlet pressure will be set pressure + back pressure. Allowable max. inlet pressure is same as nominal flange rating.

## Dimensions and weights

(mm, kg)

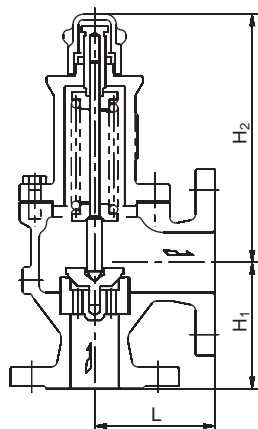
| Size<br>Inlet×Outlet | L   | H <sub>1</sub> | Height<br>H <sub>2</sub> | Connection          |                     | Weight |
|----------------------|-----|----------------|--------------------------|---------------------|---------------------|--------|
|                      |     |                |                          | Inlet               | Outlet              |        |
| 15× 15               | 73  | 68             | 136                      | Flanged<br>JIS10KFF | Flanged<br>JIS10KFF | 3.8    |
| 20× 20               | 75  | 70             | 136                      |                     |                     | 4.2    |
| 25× 25               | 85  | 85             | 148                      |                     |                     | 6.5    |
| 32× 32               | 95  | 90             | 172                      |                     |                     | 9.2    |
| 40× 40               | 100 | 95             | 191                      |                     |                     | 10.8   |
| 50× 50               | 110 | 105            | 238                      |                     |                     | 15.6   |
| 65× 65               | 130 | 120            | 286                      |                     |                     | 25.7   |
| 80× 80               | 140 | 135            | 343                      |                     |                     | 33.2   |
| 15× 20               | 75  | 83             | 143                      | Flanged<br>JIS16KFF | Flanged<br>JIS10KFF | 4.7    |
| 20× 25               | 75  | 85             | 143                      |                     |                     | 5.4    |
| 25× 32               | 90  | 90             | 158                      |                     |                     | 7.5    |
| 32× 40               | 95  | 95             | 183                      |                     |                     | 10     |
| 40× 50               | 100 | 105            | 206                      |                     |                     | 13     |
| 50× 65               | 115 | 115            | 250                      |                     |                     | 17.2   |
| 65× 80               | 130 | 130            | 303                      |                     |                     | 26.5   |
| 80× 100              | 145 | 145            | 358                      |                     |                     | 38     |

**Cast iron  
10K, 20K  
Flanged**

## Type RPC14 Relief Valve

### Features

- For liquid
- Closed type allow some back pressure
- Useful for back pressure regulating valve



Note : In case of being back pressure, inlet pressure will be set pressure + back pressure. Allowable max. inlet pressure is same as nominal flange rating.

**4**
**Relief Valve**

### Specifications

|                  |   |   |
|------------------|---|---|
| Spring case form | Non-lever closed  |   |
| Fluid            | Water, oil and non-corrosive liquid                       |   |
| Pressure         | Set : 0.04 – 1.6 MPa (back pressure : 1.0MPa or less)     |   |
| Temperature      | – 5 – 205°C   | – 30 – 205°C  |
| Material         | Body  | Cast iron   |
|                  | Valve seat  | Stainless steel   |
|                  | Valve disc  | Stainless steel   |
|                  | Stem  | Stainless steel   |
|                  | Spring case   | Mild steel, cast steel                                    |
|                  | Adjusting spring  | Spring wire, piano wire                                   |
|                  | Cover   | Stainless steel, mild steel                               |
|                  | Adjusting ring  | Stainless steel   |
| Use for          | Thermal relief, pump by-pass and back pressure regulating | Thermal relief, pump by-pass and back pressure regulating |

### Dimensions and weights

(mm, kg)

| Size<br>Inlet×Outlet | L     | H <sub>1</sub> | Height<br>H <sub>2</sub> | Connection                      |                           | Weight |
|----------------------|-------|----------------|--------------------------|---------------------------------|---------------------------|--------|
|                      |       |                |                          | Inlet                           | Outlet                    |        |
| 15× 20               | 85    | 83             | 143                      | Flanged<br>JIS10KRF<br>JIS20KRF | Flanged<br>JIS10KFF       | 4.1    |
| 20× 25               | 85    | 85             | 143                      |                                 |                           | 4.8    |
| 25× 32               | 90    | 90             | 158                      |                                 |                           | 7      |
| 32× 40               | 95    | 95             | 183                      |                                 |                           | 9.7    |
| 40× 50               | 100   | 105            | 206                      |                                 |                           | 11.7   |
| 50× 65               | 115   | 115            | 250                      |                                 |                           | 17.3   |
| 65× 80               | 130   | 130            | 311                      |                                 |                           | 25     |
| 80×100               | 145   | 145            | 366                      |                                 |                           | 37.9   |
| 20× 25               | 86.5  | 83             | 143                      | Flanged<br>ANSI·JPI 150RF       | Flanged<br>ANSI·JPI 150RF | 4.8    |
| 25× 32               | 91    | 89.5           | 158                      |                                 |                           | 7      |
| 32× 40               | 97.5  | 94             | 183                      |                                 |                           | 9      |
| 40× 50               | 104.5 | 105.5          | 206                      |                                 |                           | 11.7   |
| 15× 20               | 85    | 84.5           | 143                      | Flanged<br>ANSI·JPI 300RF       | Flanged<br>ANSI·JPI 150RF | 4.1    |
| 20× 25               | 86.5  | 86             | 143                      |                                 |                           | 4.8    |
| 25× 32               | 91    | 92.5           | 158                      |                                 |                           | 7      |
| 32× 40               | 97.5  | 97.5           | 183                      |                                 |                           | 9.7    |
| 40× 50               | 104.5 | 109            | 206                      |                                 |                           | 11.7   |