

Cast iron  
16K  
Screwed

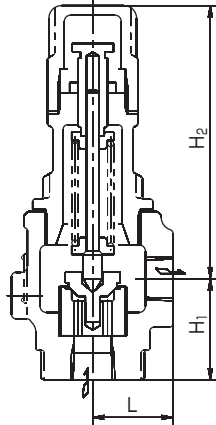
## Type RPC14 Relief Valve

4

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 – 200°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	Pump by-pass, back pressure regulating valve	

Note : In case of being back pressure, inlet pressure will be set pressure + back pressure. Allowable max. inlet pressure is 1.6MPa.

### Dimensions and weights

(mm, kg)

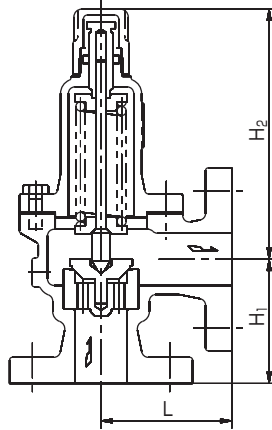
Size Inlet × Outlet	L	H <sub>1</sub>	Height H <sub>2</sub>	Connection		Weight
				Inlet	Outlet	
15 × 15	38	48	129	Screwed JIS Rc	Screwed JIS Rc	1.5
20 × 20	38	48	129			2
25 × 25	44	56	140			3
32 × 32	51	70	162			4
40 × 40	57	75	182			5

**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 – 200°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	Pump by-pass	

Note : In case of back pressure available, start-to-discharge pressure differs from the set pressure which is adjusted at factory in atmosphere back pressure.

Start-to-discharge pressure (=factory set pressure+back pressure) should not be over nominal pressure of the flange rating.

### Dimensions and weights

(mm, kg)

Size Inlet×Outlet	L	H <sub>1</sub>	Height H <sub>2</sub>	Connection		Weight
				Inlet	Outlet	
15× 15	73	68	136	Flanged JIS10KFF	Flanged 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 JIS16KFF	Flanged 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 steel  
10K, 20K  
Flanged**

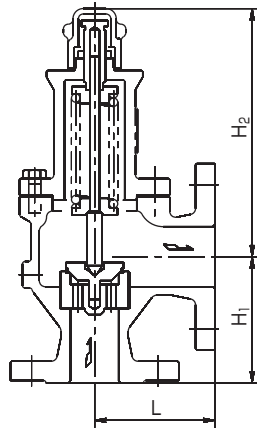
# Type RPC14 Relief Valve

4

Relief Valve

## Features

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



Note : In case of back pressure available, start-to-discharge pressure differs from the set pressure which is adjusted at factory in atmosphere back pressure.

Start-to-discharge pressure (=factory set pressure+back pressure) should not be over nominal pressure of the flange rating.

## 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 — +200°C	-30 — Saturated temp.
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	Pump by-pass	

## Dimensions and weights

(mm, kg)

Size Inlet×Outlet	L	H <sub>1</sub>	Height H <sub>2</sub>	Connection		Weight
				Inlet	Outlet	
15× 20	85	83	143	Flanged JIS10KRF JIS20KRF	Flanged 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 ANSI·JPI 150RF	Flanged 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 ANSI·JPI 300RF	Flanged 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