

Cast iron  
10K, 16K

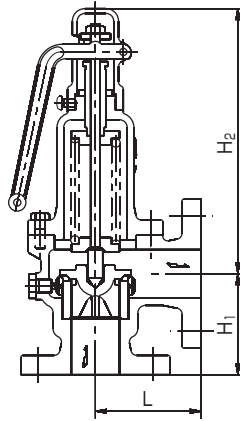
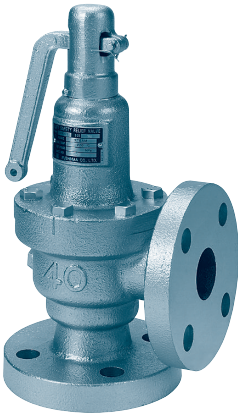
# Type RPF12 Lift Safety Relief Valves

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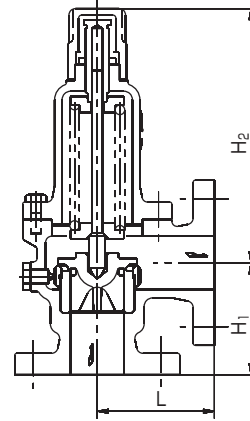
Safety Relief Valves

## Features

- Lift type safety relief valve with cast iron body
- Stable operation



With lever opened



Non-lever closed

## Specifications

Spring case form	With lever opened	Non-lever closed		
Fluid	Steam, air	Steam, air, non-corrosive gas and liquid	Water	
Pressure	Set : 0.02 – 1.6 MPa (back pressure : atmospheric)			
Temperature	0 – 220°C	0 – 200°C	Saturated temp.	
Material	Body	Cast iron (15A – 40A JIS16K : Spheroidal graphite cast iron)		
	Valve seat	Stainless steel	Stainless steel stellite	
	Valve disc	Stainless steel	Stainless steel stellite	
	Stem	Stainless steel		
	Spring case	Cast iron		
	Adjusting spring	Spring wire, piano wire		
	Lever	Cast iron		
	Cover	Cast iron		
	Adjusting ring	Bronze, brass		
Use for	Pressure vessel, header, outlet of PRV, thermal relief and piping protection			

## Dimensions and weights

(mm, kg)

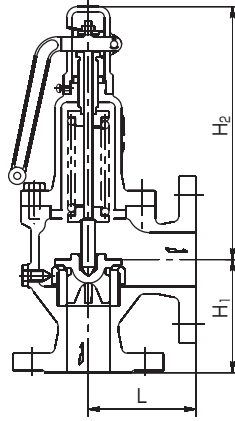
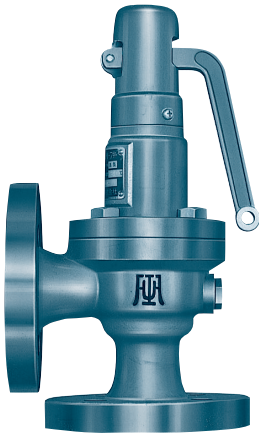
Size Inlet × Outlet	L	H <sub>1</sub>	With lever	Non-lever	Connection		Weight
			H <sub>2</sub>	H <sub>2</sub>	Inlet	Outlet	
15 × 15	73	68	165	136	Flanged JIS10KFF	Flanged JIS10KFF	4.2
20 × 20	75	70	165	136			4.5
25 × 25	85	85	177	148			6.7
32 × 32	95	90	201	172			9.5
40 × 40	100	95	220	191			11.2
50 × 50	110	105	276	238			16.0
65 × 65	130	120	336	286			26.0
80 × 80	140	135	393	343			33.5
15 × 20	75	83	172	143	Flanged JIS16KFF	Flanged JIS10KFF	4.7
20 × 25	75	85	172	143			5.4
25 × 32	90	90	187	158			7.5
32 × 40	95	95	212	183			10.0
40 × 50	100	105	235	206			13.0
50 × 65	115	115	288	250			17.6
65 × 80	130	130	353	303			27.3
80 × 100	145	145	408	358			38.7

Cast steel,  
Stainless steel  
10K, 20K

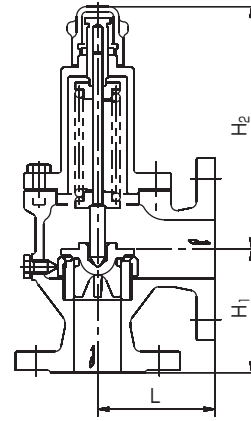
# Type RPF12 Lift Safety Relief Valves

## Features

- Lift type safety relief valve with cast steel or stainless cast steel body
- Stable operation



With lever opened



Non-lever closed

## Specifications

Spring case form	With lever opened	Non-lever closed		Non-lever closed	
Fluid	Steam, air	Steam, air, non-corrosive gas and liquid		Liquid, gas, steam	
Pressure	Set : 0.02 – 2.0 MPa (back pressure : atmospheric)			0.02 – 2.0MPa	
Temperature	0 – 220°C	– 5 – +200°C		– 30 – +200°C	
Material	Body	Cast steel		Stainless cast steel	
	Valve seat	Stainless steel	Stainless steel stellited	Stainless steel stellited	
	Valve disc	Stainless steel	Stainless steel stellited	Stainless steel stellited	
	Stem	Stainless steel		Stainless steel	
	Spring case	Cast iron	Mild steel, cast steel		Stainless steel
	Adjusting spring	Spring wire, piano wire		Stainless steel	
	Lever	Cast iron	—	—	—
	Cover	Cast iron	Stainless steel, mild steel		Stainless steel
	Adjusting ring	Bronze, brass	Stainless steel		Stainless steel
Use for	Pressure vessel, header, outlet of PRV, thermal relief and piping protection				

## Dimensions and weights

(mm, kg)

Size Inlet×Outlet	L	H <sub>1</sub>	With lever	Non-lever	Connection		Weight
			H <sub>2</sub>	H <sub>2</sub>	Inlet	Outlet	
15× 20	85	83	172	143	Flanged JIS10KRF JIS20KRF	Flanged JIS10KFF	4.5
20× 25	85	85	172	143			5.1
25× 32	90	90	187	158			7.2
32× 40	95	95	212	183			10
40× 50	100	105	235	206			12.1
50× 65	115	115	288	250			17.7
65× 80	130	130	353	311			27.3
80× 100	145	145	408	366			38.2
20× 25	86.5	83	172	143	Flanged ANSI 150RF	Flanged ANSI 150RF	5.1
25× 32	91	89.5	187	158			7.2
32× 40	97.5	94	212	183			10
40× 50	104.5	105.5	235	206			12.1
15× 20	85	84.5	172	143	Flanged ANSI 300RF	Flanged ANSI 150RF	4.5
20× 25	86.5	86	172	143			5.1
25× 32	91	92.5	187	158			7.2
32× 40	97.5	97.5	212	183			10
40× 50	104.5	109	235	206			12.1