

Lift type Safety Valve -AL-150 Series-

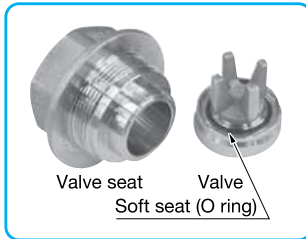


Usages are as follows:

Safety device for pressure vessel or measuring instrument of steam, air, water, oil at building equipment, factory equipment.

Versatile safety relief valve can be used for fluid such as steam, air, water or oil. Long life and high corrosion resistance due to stainless steel used for adjusting spring, valve and valve seat.

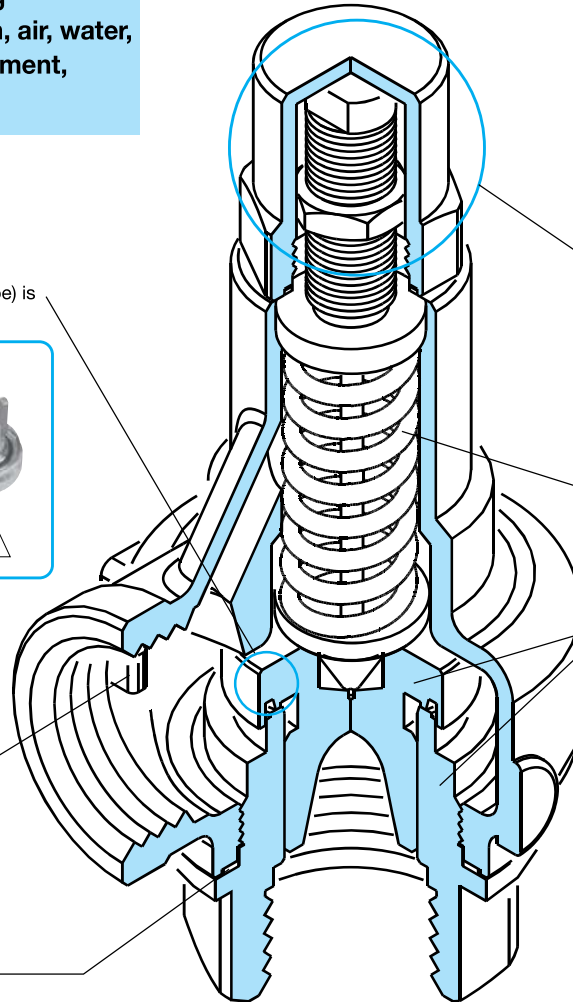
* Non leak type (soft seat type) is available (AL-150T series).



Prevention Measure

Installed as product protection. Stopper for over tightening is attached.

PTFE Gasket (Fluorine Resin)



Closed, Lever, Handle

Type can be selected according to using purpose.

Stainless Steel Spring

Material of valve and valve seat is SCS14A.

Due to adoption of SCS14A (equivalent to SUS316) for standard product corrosion resistance is superior. Because material indication is made, environmental aspect (recycle) is considered.

Small, lightweight, simple structure, usable for various fluid, versatile type

· Variation for various requirement



Lever type
AL-150 type



High pressure type
AL-150H type



Soft seat type
AL-150T type



Handle type soft seat type
AL-150TR type



Stainless steel made
AL-140, AL-140H type

AL-150

Full bore type	Lift type	Safety valve	Relief valve
Safety relief valve	Lever type	Closed type	Dash-pot structure
Handle type	Stainless	High pressure gas testing products	
Diaphragm	Non-leakage		

■Features

1. Versatile type, compatible with fluids such as steam, air, water, and oil.
2. Achieved the highest performance by segmentalize the pressure range and finished by ultra-precision technique.
3. The trim parts (valve and valve seat) and adjusting spring are made of stainless steel. Used for the trim parts is SCS14A (equivalent to SUS316) with outstanding corrosion resistance.
4. Closed structure prevents fluid leakage.



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Safety Relief Valve

■Specifications

Structure	Closed type	
Application	Steam, Air, Water, Oil, Other non-dangerous fluids	
Working pressure	0.05-1.0 MPa	
Working temperature	5-220°C *1	
Material	Spring case	Bronze
	Valve, Valve seat	Stainless steel (SCS14A)
	Adjusting spring	Stainless steel
Connection	JIS Rc screwed	

*1 The maximum temperature is 150°C when using for water, oil, or other liquids.
 · Please refer to the chart in P.3-76 for set pressure range.

■Dimensions and Weights

Nominal size	Dimension (mm)					Flow area $\pi D l$ (mm ²)	Weight (kg)
	d	D	L	H _i	H		
15A	Rc 1/2	16	34	40	128	20.1	0.7
20A	Rc 3/4	21	38	43	128.5	34.6	0.8
25A	Rc 1	26	43	51.5	144.5	53.0	1.1
32A	Rc 1-1/4	33	50	61.5	181.5	93.3	1.8
40A	Rc 1-1/2	41	60	60	205	135.2	2.8
50A	Rc 2	51	75	76	245.5	208.2	4.7

