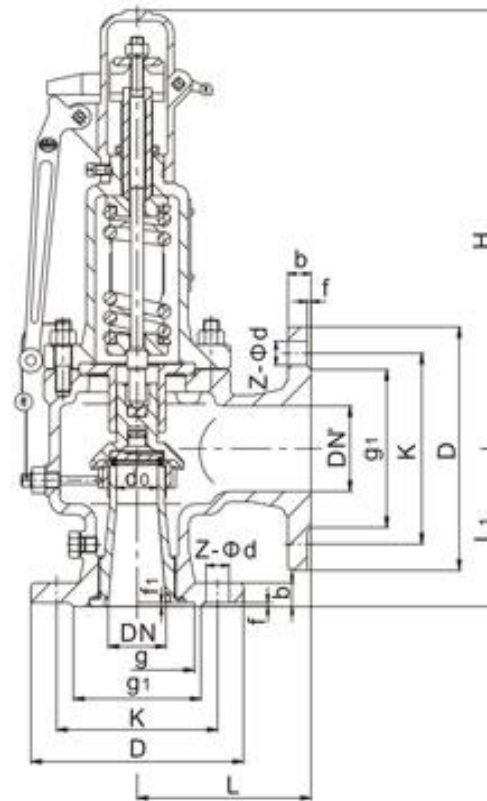




# A48 Type Full lift safety valve with lever

**GOOLE VALVE**



## APPLICATION

A48 Type is applicable as the pressure protecting device in the equipment or pipelines for steam, air, etc., which the working medium is  $\leq 350^{\circ}\text{C}$

### Dimensions

DN	do	DN'	L	L1	≈H
20	15	25	110	95	306
25	16	32	110	95	306
32	20	40	115	100	309
40	25	50	120	110	323
50	32	65	135	120	333
65	40	80	160	140	420
80	50	100	170	135	432
100	65	125	205	160	553
125	80	150	210	190	639
150	100	175	255	230	654
200	125	250	305	260	797
250	150	300	350	320	998
300	220	400	370	350	1246
350	250	500	500	450	1711
400	280	500	500	450	1780

### Safety valves with Closed bonnet or Open bonnet

The valve bonnet and valve cap are closed for safety valves with closed bonnet. There are two purposes: one is to protect the valve's inner parts from the damage of the dust or other impurities and there's no requirement for air sealing test. The other purpose is to prevent the leakage of the poisonous or flammable medium, but the air sealing test is needed for it. The requirement of outlet air sealing test should be marked before ordering if it's needed. Generally the Air Sealing Test Pressure is 0.6 Mpa. The safety valve with open bonnet can be used for high temperature medium such as steam as the open bonnet can help to lower the temperature in the spring chamber.

### With Lifting Lever or not

According to the National Boiler Safety Inspection Standard, boiler safety valve should be used with lifting lever and should be done opening test regularly. When the medium pressure is up to 75% of the opening pressure, users can lift the valve disc by lifting the lever so as to check the flexibility of the safety valve opening.

### The transportation and storage of the safety valve

The careless and casual transportation and storage of the safety valve before using may affect the valve working performance, and may even cause damage to the valve. Safety valves should be packed in a wooden case and fixed in it before delivery. While transportation, strenuous vibration should be avoided and the valves should be stored in dry and ventilated room. Either during transportation or storing the safety valves, both ends of the valves should be sealed with flange cap.

### Safety Valve Testing Guide

The Safety Valves that our company offered, are tested under normal temperature according to the Standard. But because of the temperature difference between the exact working condition and the normal testing, it will cause the setting pressure's deviation under these two different circumstances. Then Pressure Testing under high temperature is necessary for the safety valves which are used in the condition with big temperature differences. This testing contains the adjusting of setting pressure, relieve pressure and back seat pressure. In the following, you can find the detailed exemplifications for two types of our products. (See Drawing 5 and Drawing 6)

### The Adjusting of the Setting Pressure

Open the top seal, remove the lever and the valve cap, unfasten the lock nut, then rotate the adjusting screw to change the decrement of the spring under its working pressure range so as to adjust the setting pressure. While adjusting, increase the valve's inlet pressure slowly to make the valve open for one time. If the opening pressure is on the low side, then relieve the inlet pressure and rotate the adjusting screw clockwise. If the working pressure is on the high side, then rotate the adjusting screw counterclockwise. When approaching the needed working pressure, then tight the lock up and assemble the valve cap. If the demanded working pressure is beyond the working pressure of the spring, then the spring should be replaced by another spring with different pressure ranges and the valve's setting pressure should be readjusted.