

# SL-7, 8 Type Safety Valve (Lift Type)

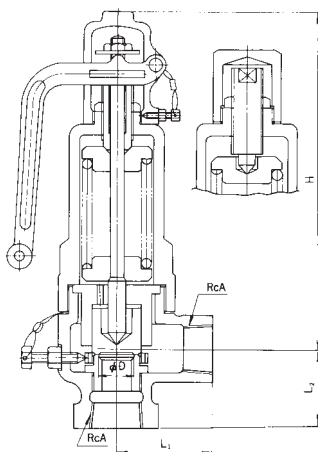


SL-7 Type



SL-8 Type

## CONSTRUCTION



Depending on models, the structure may be different from what is shown in the above figure.

## SPECIFICATIONS

Model name	SL-7		SL-8		
	SL7-N □	SL7-D □	SL8-N □	SL8-D □	
Code name	※ Code No. of pressure division is required in □.				
Cap type	With lever		Without lever		
Applicable fluid	Steam & air		Steam, air, gases & liquids		
Set pressure range	0.035~3.0MPa				
Applicable temperature	-5~250°C				
End connection	Screwed JIS Rc				
Materials	Body	Forged steel	Stainless steel	Forged steel	Stainless steel
	Disc	Stainless steel			
	Seat ring	Stainless steel			
Valve body pressure test	Set pressure 0.035MPa~1.0MPa:Hydraulic 2.0MPa Set pressure 1.0MPa~2.0MPa:Hydraulic 4.0MPa Set pressure 2.0MPa~3.0MPa:Hydraulic 6.0MPa				

\* For those exceeding 2.0MPa as the pressure division, the satellite deposition (welding) shall be executed on the disc and the seat ring.

## DIMENSIONS

Size d	Seat opening dia. D	Effective area (mm <sup>2</sup> ) πDt	Lift ℓ	Face to Face		Height H	End connection d	Mass(kg)	
				L <sub>1</sub>	L <sub>2</sub>			SL-7 Type	SL-8 Type
15(½")	15	18.8	0.4	50	45	207	½"	2.7	2.5
20(¾")	20	31.4	0.5	50	45	207	¾"	2.7	2.5
25(1")	25	54.9	0.7	70	55	254	1"	6.5	6.2
32(1¼")	32	80.3	0.8	70	55	254	1¼"	7.3	7

## PRESSURE DIVISION (Forged steel)

(MPa)

Code No.	Size 15mm	Size 20mm	Size 25mm	Size 32mm
1	0.035~0.15	0.035~0.1	0.035~0.2	0.035~0.1
2	Over 0.15~0.4	Over 0.1~0.25	Over 0.2~0.3	Over 0.1~0.2
3	Over 0.4~0.8	Over 0.25~0.5	Over 0.3~0.7	Over 0.2~0.4
4	Over 0.8~1.5	Over 0.5~1.0	Over 0.7~1.5	Over 0.4~0.7
5	Over 1.5~2.5	Over 1.0~1.5	Over 1.5~2.0	Over 0.7~1.0
6	Over 2.5~3.0	Over 1.5~3.0	Over 2.0~3.0	Over 1.0~1.5
7				Over 1.5~2.0
8				Over 2.0~2.5
9				Over 2.5~3.0

## PRESSURE DIVISION (Stainless steel)

(MPa)

Code No.	Size 15mm	Size 20mm	Size 25mm	Size 32mm
1	0.035~0.15	0.035~0.1	0.035~0.2	0.035~0.1
2	Over 0.15~0.4	Over 0.1~0.25	Over 0.2~0.3	Over 0.1~0.2
3	Over 0.4~0.8	Over 0.25~0.5	Over 0.3~0.7	Over 0.2~0.4
4	Over 0.8~1.5	Over 0.5~1.0	Over 0.7~1.5	Over 0.4~0.7
5	Over 1.5~2.5	Over 1.0~1.5	Over 1.5~2.0	Over 0.7~1.0
6	Over 2.5~3.0	Over 1.5~3.0	Over 2.0~3.0	Over 1.0~1.5
7				Over 1.5~2.0
8				Over 2.0~3.0