

SL-39F, 40F Type Series Safety Relief Valve (Lift Type)

for Stainless Steel Lines of (Pressure Vessels), (Hot Water Boilers), (Heat Exchangers), (Secondary Side of Pressure Reducing Valves) etc.

Safety relief valve is a category of valves with functions between those of safety valves, which are mainly for steam and gases, and those of relief valves, which are mainly for liquids.

Safety relief valve has simple structure, high corrosion resistance, and is made of high-grade materials. It is widely used as safety device for pressure vessels, machines/equipments, hot water boilers, water/hot water supply systems, air conditioning systems, and pressure reducing valves.

The soft-sheet type safety relief valve is featured of high airtightness. It is suitable for gases and applications where leakage of valve is not allowed.

FEATURES

- A sealed type safety relief valve with high corrosion resistant Stainless steel spring case, seat and disc, and Stainless steel spring.
- 1~2 sizes smaller and lighter than prior products of the same type.

SPECIFICATIONS

Type	Standard item (Metal seated type)		Soft seat type	
Model name	SL-39F	SL-40F	SL-39FV	SL-40FV
Code name	SL39F-D □	SL40F-D □	SL39FV-D □	SL40FV-D □
※ Code No. of pressure division is required in □.				
Cap type (Closed type)	With lever*1	Without lever	With lever	Without lever
Applicable fluid	Steam, air, gases & liquids*2		Air, gases & liquids*2	
Set pressure range	0.05~1.0MPa			
Applicable temperature	Max. 150°C (Max. 235°C*)	Max. 235°C	Max. 120°C	
End connection	Flanged JIS 10K (Loose type)			
Materials	Body			
	Stainless steel (Spring case: Stainless steel)			
Materials	Disc		Stainless steel (Disc tip: Synthetic rubber)	
	Stainless steel		Stainless steel (Disc tip: Synthetic rubber)	
Valve body pressure test	Hydraulic 2.0MPa			

*1. For steam, the valve is provided with a release lever and can be used at steam temperature up to 235°C.
*2. Contact our local agent for gasoline, kerosene and solvent medium use.

DIMENSIONS

(mm)

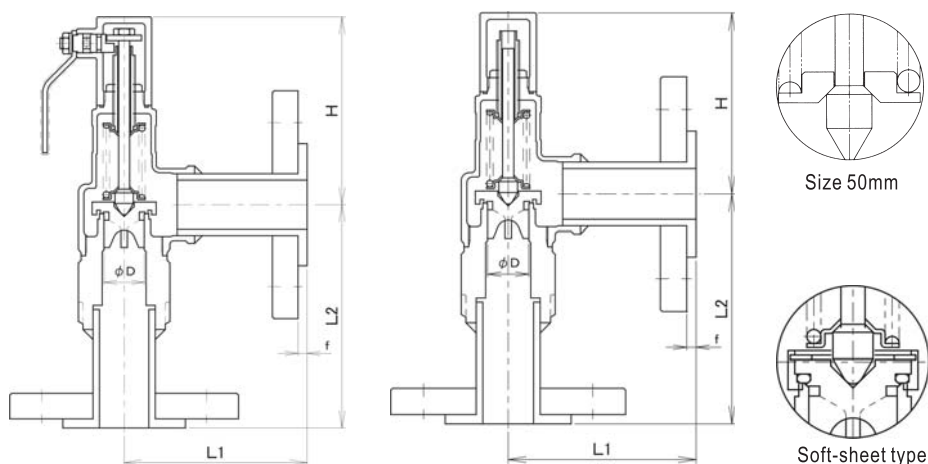
Size	Seat opening dia. D	Effective area (mm ²) π D ² /4	Lift t	Face to Face		Height H		f	Mass(kg)	
				L ₁	L ₂	SL-39F, 39FV Type	SL-40F, 40FV Type		SL-39F, 39FV Type	SL-40F, 40FV Type
15(1/2")	14(13)	17.5	0.4(0.43)	90	110	96	85	5	2.2	2.1
20(3/4")	19(18.6)	29.8	0.5(0.51)	95	115	100	89	5	2.6	2.5
25(1")	23(21.9)	43.3	0.6(0.63)	100	124	104	93	5	4.1	4
32(1 1/4")	32(29.4)	80.3	0.8(0.87)	110	138	126	115	5	5.6	5.5
40(1 1/2")	40(36.7)	125.6	1.0(1.09)	125	154	131	120	5	6.6	6.5
50(2")	50(47.1)	204.1	1.3(1.38)	135	164	166	152	5	9.9	9

* Figures in () are for SL-39FV, 40FV Type.

CONSTRUCTION

SL-39 Type

SL-40 Type



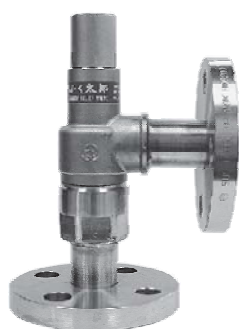
Note: See page 69 for relieving capacity.

PRESSURE DIVISION (MPa)

Code No.	Pressure division
1	0.05~0.1
2	Over 0.1~0.2
3	Over 0.2~0.5
4	Over 0.5~1.0



SL-39 Type Series



SL-40 Type Series