

Safety Valve Stainless without lever

MODEL: SMV

Safety valves are used in oil system, high-temperature pipes and various caustic piping systems.

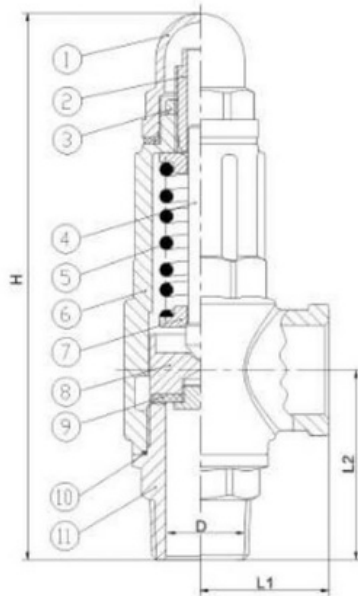
Operating Principle :

After installing in the piping system, the safety valve will work automatically when the pressure of medium in the system is reaching to the set value. It releases pressure to protect the system.

Technical Parameters :

Operating pressure : 0.1 – 40 Bar.

Operating temperature : FKM Sealing : -20 to 200 °C , PTFE Sealing : -60 to 170 °C , EPDM Sealing : -40 to 110 °C



Material

No.	Name	SMV
1	Cap	SS304 / SS316
2	Adjust Screw	SS304
3	Nut	SS304
4	Spindle	SS304 / SS316
5	Spring	SS304
6	Valve Body	SS304 / SS316
7	Spring Seat	SS304 / SS316
8	Disc	SS304 / SS316
9	Gasket	PTFE / FKM / EPDM
10	Gasket Ring	PTFE
11	Valve Seat	SS304 / SS316

Dimension

Inlet	D	Outlet	Lift	L 1	L 2	H
1/2"	13	1/2"	1.04	31.5	47	137
3/4"	16	3/4"	1.52	35	56	161.5
1"	23	1"	2	43.5	65	184.5
1-1/4"	30	1-1/4"	2.56	55	73	25.5
1-1/2"	34	1-1/2"	3.04	58	89	242.5
2"	43	2"	4	70	96	270

Unit : mm

Safety Valve Stainless with lever

MODEL: SMLV

Safety valves are used in oil system, high-temperature pipes and various caustic piping systems.

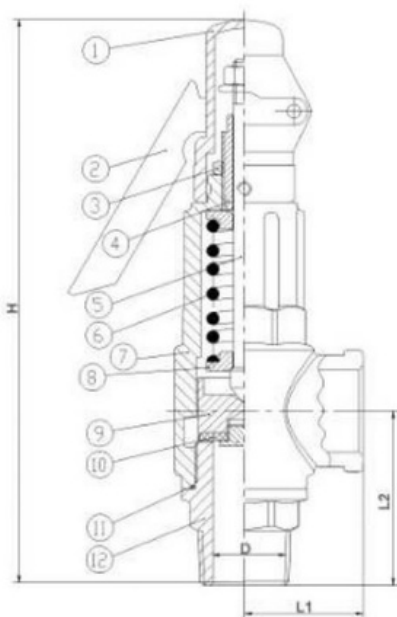
Operating Principle :

After installing in the piping system, the safety valve will work automatically when the pressure of medium in the system is reaching to the set value. It releases pressure to protect the system.

Technical Parameters :

Operating pressure : 0.1 – 40 Bar.

Operating temperature :FKM Sealing : -20 to 200 °C , PTFE Sealing : -60 to 170 °C , EPDM Sealing: -40 to 110 °C



Material

No.	Name	SMV
1	Cap	SS304 / SS316
2	Lever	SS304
3	Nut	SS304
4	Adjust Screw	SS304
5	Spindle	SS304 / SS316
6	Spring	SS304
7	Valve Body	SS304 / SS316
8	Spring Seat	SS304 / SS316
9	Disc	SS304 / SS316
10	Gasket	PTFE / FKM / EPDM
11	Gasket Ring	PTFE
12	Valve Seat	SS304 / SS316

Dimension

Inlet	D	Outlet	Lift	L 1	L 2	H
½"	13	½"	1.04	32.5	47	162.5
¾"	16	¾"	1.52	36.5	56	187
1"	23	1"	2	41.5	65	207.5
1-1/4"	30	1-1/4"	2.56	50.5	73	239.5
1-1/2"	34	1-1/2"	3.04	54.5	89	256.5
2"	43	2"	4	62.5	96	293

Flow Chart

SUS316 SAFETY VALVE FLOW CHART (AIR)

$$W=0.01A(1.1P+1)C^*K'\sqrt{M/T*0.9}$$

UNIT:kg/h

尺寸 設定壓力 kgf/cm ²	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
0.5	63	63	63	188	188	188
1	85	85	85	255	255	255
2	130	130	130	388	388	388
3	175	175	175	521	521	521
4	219	219	219	654	654	654
5	264	264	264	788	788	788
6	309	309	309	921	921	921
7	353	353	353	1054	1054	1054
8	398	398	398	1188	1188	1188
9	443	443	443	1321	1321	1321
10	487	487	487	1454	1454	1454
11	532	532	532	1588	1588	1588
12	577	577	577	1721	1721	1721
13	622	622	622	1854	1854	1854
14	666	666	666	1988	1988	1988
15	711	711	711	2121	2121	2121
16	756	756	756	2254	2254	2254
17	800	800	800	2388	2388	2388
18	845	845	845	2521	2521	2521
19	890	890	890	2654	2654	2654
20	934	934	934	2787	2787	2787

Curve Drawing Of Low Lift Safety Valves

