



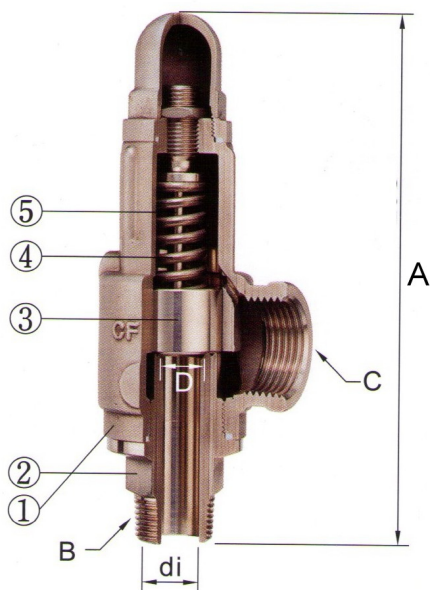
AERO-NCD

SUS WATER RELIEF VALVES

SS SERIES

Sealing

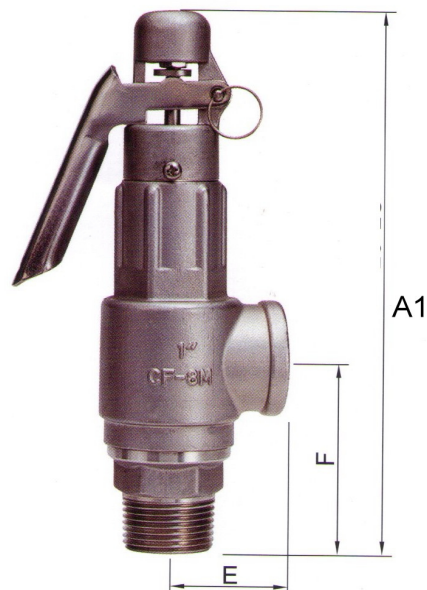
1/2" – 2"



SS-L SERIES

Lever

1/2" – 2"



Dimensions

Dimensions		Sealing		Unit : :mm		Unit : mm				Lever		
Item		Inlet	Outlet	Inlet orifice di	Valve seat orifice D	E	F	Lift	Wt. Kg	Item	A1	Wt. Kg
Size	A	B	C							Size		
SS104(L) 1/2” x 1”	176	1/2”	1”	13	22	40	67	0.88	1.2	1/2” x 1”	199	1.3
SS106(L) 3/4” x 1”	176	3/4”	1”	19	22	40	67	0.88	1.2	3/4” x 1”	199	1.3
SS110(L) 1” x 1”	180	1”	1”	25	22	40	71	0.88	1.2	1” x 1”	203	1.3
SS112(L) 1-1/4” x 2”	255	1-1/4”	2”	32	38	66	93	1.52	4.6	1-1/4” x 2”	279	4.9
SS115(L) 1-1/2” x 2”	260	1-1/2”	2”	38	38	66	98	1.52	4.6	1-1/2” x 2”	284	4.9
SS120(L) 2” x 2”	260	2”	2”	50	38	66	98	1.52	4.6	2” x 2”	284	4.9

General Material

NO	Type	Sealing	NO	Type	Lever
Parts Name			Parts Name		
1 Valve body		CF8M	1 Valve body		CF8M
2 Valve seat		CF8M	2 Valve seat		CF8M
3 Disc		SUS316+PTFE	3 Disc		SUS316+PTFE
4 Spring		SUS304	4 Spring		SUS304
5 Stem		SUS316	5 Stem		SUS316
Working pressure	0.3 ~ 10 kgf/cm ² , 11 ~ 20 kgf/cm ²				
Working temp.	-196°C ~ 290°C (SS /SS-L)				
Working fluid	Water、 Steam				

- ✖ The disc can be replaced with PTFE and those type SS-T 、 SS-LT
- ✖ The features of full bore stainless steel safety valves for which the valve seat & disc are processed by lapping, good effect of anti-leakage.

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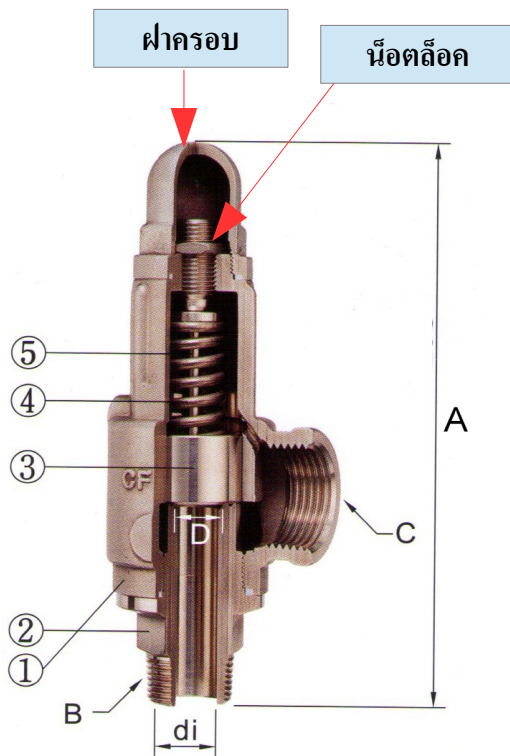
Maintenance of Safety valves

- (1) Visual Checking: carry out visual checking of equipment during operation
- (2) Check the valve body for corrosion or cracks.
- (3) Check changes of temperature under normal operation pressure.
- (4) Check if commence to blow pressure or blow out pressure are the same as Those valves on the name plate.
- (5) Check fixing sections for any leaking sound.
- (6) Check open/Close position of the main valve.
- (7) Check for any abnormal vibration.
- (8) Carry out periodical inspection every six months.

INSTALLATION AND INSTRUCTION

- (1) Install it in a place which allows an easy access for maintenance and checking.
- (2) Install it in a place or direction so as to avoid danger to workers.
- (3) Make the inner diameter larger than the inlet side bore of the safety valve.
- (4) Install it vertically against the ground.
- (5) Keep it clean at all times since foreign matters like dust or scale may prevent proper operation.
- (6) When installing a screwed -in type safety valve, be sure to adjust at the hexagonal section or chamfered section.

วิธีตั้งแรงดันเซฟตี้วาล์ว



1. คลายฝาครอบออก
2. ขันน็อตล็อกออกให้หลวม
3. ขันแกนตั้ง
 - 3.1 ขันเข้าตามเข็มนาฬิกาตั้งแรงดันสูงขึ้น
 - 3.2 ขันออกทวนเข็มนาฬิกาตั้งแรงดันต่ำลง
4. เมื่อตั้งเสร็จแล้วให้ขันน็อตล็อกให้แน่น

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

