STAINLESS STEEL SAFETY VALVES
N8S / N8-LS

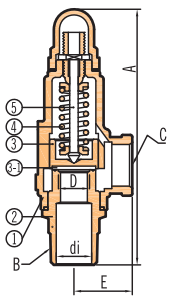


Soft Seal

Technical Data

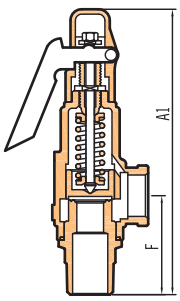
Low Lift Safety Valves
Material: Body–CF8M; Valve Seat–CF8M Metal Seat, PTFE Soft Seat available
Orifice Size: ½"(15mm), ¾"(20mm), 1"(25mm), 1¼"(32mm), 1½"(40mm), 2"(50mm)
Working Pressure: 2~10kgf/cm² (28~150 psig), 11~20kgf/cm² (156~285 psig)
Working Temperature: -60°C ~ 196°C
Working Fluid: Please refer to the table of "*General Material List*"

Dmensions



N8S Type Sealing ½"~2"

SEALING SERIES ITEM \ SIZE	½"x1"	¾"x1"	1"x1"	1¼"x2"	1½"x2"	2"x2"
A	176	176	180	255	260	260
Inlet B	½"	¾"	1"	1¼"	1½"	2"
Outlet C	1"	1"	1"	2"	2"	2"
Inlet Orifice di	15	20	25	32	40	50
Valve Seat Orifice D	22	22	22	38	38	38
E	40	40	40	66	66	66
F	67	67	71	93	98	98
Lift	0.88	0.88	0.88	1.52	1.52	1.52
Wt. kg	1.1	1.2	1.2	4.6	4.6	4.6



N8LS Type Lever ½"~2"

LEVER SERIES ITEM \ SIZE	½"x1"	¾"x1"	1"x1"	1¼"x2"	1½"x2"	2"x2"
A1	199	199	203	279	284	284
Wt. kg	1.3	1.3	1.3	4.8	4.8	4.9

(unit:mm)

General Material List

NO.	Type / Parts Name	N8S SEALING	N8-LS LEVER
1.	Valve Body	CF8M	
2.	Valve Seat	CF8M Metal Seat / PTFE Soft Seat	
3.	Disc	SUS316	
3-1.	Soft Seal	Teflon (PTFE)	
4.	Spring	SUS304	
5.	Stem	SUS316	
Working Pressure		0.3~10kgf/cm², 11~20kgf/cm² (CF8M Metal Seat) / 2~10kgf/cm², 11~20kgf/cm² (PTFE Soft Seat)	
Working Temp.		-196°C ~ 290°C (CF8M Metal Seat) / -60°C ~ 196°C (PTFE Soft Seat)	
Working Fluid		Noncorrosive gas, Noncorrosive liquid, Corrosive gas, Corrosive liquid, Air, Steam, Water, Oil	Noncorrosive gas, Corrosive gas, Air, Steam

Blowout Capacity

Please refer the Blowout Capacity Table on next page.

Ordering Information

N8S / N8-LS	Code	Valve Seat		
	0	CF8M	P	CF8M + PTFE

Code	Pressure Rating				
1	0.3~10 kg/cm² (CF8M metal seat only)	2	2~10 kg/cm² (PTFE soft seat only)	3	11~20 kg/cm²

Code	Size
	(A)½" NPT (B)¾" NPT (C)1" NPT (D)1¼" NPT (E)1½" NPT (F)2" NPT

				Complete Ordering Code

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Blowout Capavity Table

– Air

orifice / set press.	Air Blowout Capacity (kg/h)					
	½" (15)	¾" (20)	1" (25)	1¼" (32)	1½" (40)	2" (50)
1 kgf/cm²	85	85	85	255	255	255
2 kgf/cm²	130	130	130	388	388	388
3 kgf/cm²	175	175	175	521	521	521
4 kgf/cm²	219	219	219	654	654	654
5 kgf/cm²	264	264	264	788	788	788
6 kgf/cm²	309	309	309	921	921	921
7 kgf/cm²	353	353	353	1054	1054	1054
8 kgf/cm²	398	398	398	1188	1188	1188
9 kgf/cm²	443	443	443	1321	1321	1321
10 kgf/cm²	487	487	487	1454	1454	1454
11 kgf/cm²	532	532	532	1588	1588	1588
12 kgf/cm²	577	577	577	1721	1721	1721
13 kgf/cm²	622	622	622	1854	1854	1854
14 kgf/cm²	666	666	666	1988	1988	1988
15 kgf/cm²	711	711	711	2121	2121	2121
16 kgf/cm²	756	756	756	2254	2254	2254
17 kgf/cm²	800	800	800	2388	2388	2388
18 kgf/cm²	845	845	845	2521	2521	2521
19 kgf/cm²	890	890	890	2654	2654	2654
20 kgf/cm²	934	934	934	2787	2787	2787

– Water

orifice / set press.	Water Blowout Capacity (L/Min)					
	½" (15)	¾" (20)	1" (25)	1¼" (32)	1½" (40)	2" (50)
1 kgf/cm²	24	24	24	70	70	70
2 kgf/cm²	33	33	33	99	99	99
3 kgf/cm²	41	41	41	122	122	122
4 kgf/cm²	47	47	47	140	140	140
5 kgf/cm²	53	53	53	157	157	157
6 kgf/cm²	58	58	58	172	172	172
7 kgf/cm²	62	62	62	186	186	186
8 kgf/cm²	67	67	67	199	199	199
9 kgf/cm²	71	71	71	211	211	211
10 kgf/cm²	74	74	74	222	222	222
11 kgf/cm²	78	78	78	233	233	233
12 kgf/cm²	82	82	82	243	243	243
13 kgf/cm²	85	85	85	253	253	253
14 kgf/cm²	88	88	88	263	263	263
15 kgf/cm²	91	91	91	272	272	272
16 kgf/cm²	94	94	94	281	281	281
17 kgf/cm²	97	97	97	290	290	290
18 kgf/cm²	100	100	100	298	298	298
19 kgf/cm²	103	103	103	306	306	306
20 kgf/cm²	105	105	105	314	314	314

– Steam

orifice / set press.	Steam Blowout Capacity (kg/h)					
	½" (15)	¾" (20)	1" (25)	1¼" (32)	1½" (40)	2" (50)
1 kgf/cm²	53	53	53	157	157	157
2 kgf/cm²	79	79	79	237	237	237
3 kgf/cm²	106	106	106	316	316	316
4 kgf/cm²	133	133	133	396	396	396
5 kgf/cm²	159	159	159	475	475	475
6 kgf/cm²	186	186	186	555	555	555
7 kgf/cm²	213	213	213	635	635	635
8 kgf/cm²	239	239	239	714	714	714
9 kgf/cm²	266	266	266	794	794	794
10 kgf/cm²	293	293	293	874	874	874
11 kgf/cm²	319	319	319	953	953	953
12 kgf/cm²	346	346	346	1033	1033	1033
13 kgf/cm²	373	373	373	1112	1112	1112
14 kgf/cm²	400	400	400	1192	1192	1192
15 kgf/cm²	426	426	426	1272	1272	1272
16 kgf/cm²	453	453	453	1351	1351	1351
17 kgf/cm²	480	480	480	1431	1431	1431
18 kgf/cm²	506	506	506	1510	1510	1510
19 kgf/cm²	533	533	533	1590	1590	1590
20 kgf/cm²	560	560	560	1670	1670	1670

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