

STAINLESS STEEL SAFETY VALVES

N8S / N8-LS

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)

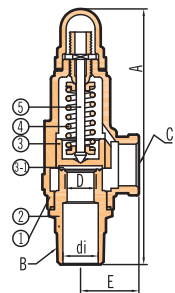
Working Temperature: -60°C ~ 196°C

Working Fluid: Please refer to the table of "General Material List"

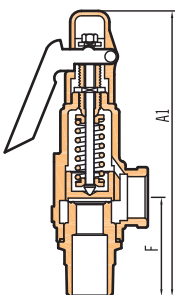


Soft Seal

Dimensions



N8S TYPE
Sealing ½"~2"



N8LS TYPE
Lever ½"~2"

(unit:mm)

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

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

Blowout Capacity Table

(unit:mm)

set pressure	orifice	Steam Blowout Cap. (kg/h)					
		½"(15)	¾"(20)	1"(25)	1¼"(32)	1½"(40)	2"(50)
1 kgf/cm ²		18.4	39.2	67.90	111.3	156.9	271.7
2 kgf/cm ²		27.7	59.1	102.4	167.7	236.6	409.5
3 kgf/cm ²		37.0	79.0	136.9	224.2	316.2	547.4
4 kgf/cm ²		46.3	98.9	171.3	280.7	395.8	685.2
5 kgf/cm ²		55.7	118.8	205.8	337.1	475.4	823.1
6 kgf/cm ²		65.0	138.7	240.2	393.6	555.0	960.9
7 kgf/cm ²		74.3	158.7	274.7	450.1	634.7	1099
8 kgf/cm ²		83.6	178.6	309.2	506.5	714.3	1237
9 kgf/cm ²		92.9	198.5	343.6	563.0	793.9	1374
10 kgf/cm ²		102.3	218.4	378.1	619.5	893.5	1512
11 kgf/cm ²		111.6	238.3	412.5	675.9	953.2	1650
12 kgf/cm ²		120.9	258.2	447.0	732.4	1033	1788
13 kgf/cm ²		130.2	278.1	481.5	788.8	1112	1926
14 kgf/cm ²		139.5	298.0	515.9	845.3	1192	2064
15 kgf/cm ²		148.9	317.9	550.4	901.8	1272	2202
16 kgf/cm ²		158.2	337.8	584.9	958.3	1351	2239
17 kgf/cm ²		167.5	357.7	619.3	1014.7	1431	2477
18 kgf/cm ²		176.8	377.6	653.8	1071.2	1511	2615
19 kgf/cm ²		186.1	397.5	688.2	1127.6	1590	2753
20 kgf/cm ²		195.4	417.4	722.7	1184.1	1670	2891

General Material List

NO.	Type	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/cm ² , 11~20kgf/cm ² (CF8M Metal Seat) / 2~10kgf/cm ² , 11~20kgf/cm ² (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

Ordering Information

N8S / N8-LS	Code	Valve Seat	
↓	0	CF8M	P CF8M + PTFE
	↓	Code Pressure Rating	
		1	0.3~10 kg/cm ² (CF8M metal seat only)
↓	Code Size		
	(A)½" NPT (B)¾" NPT (C)1" NPT (D)1¼" NPT (E)1½" NPT (F)2" NPT		
Complete Ordering Code			