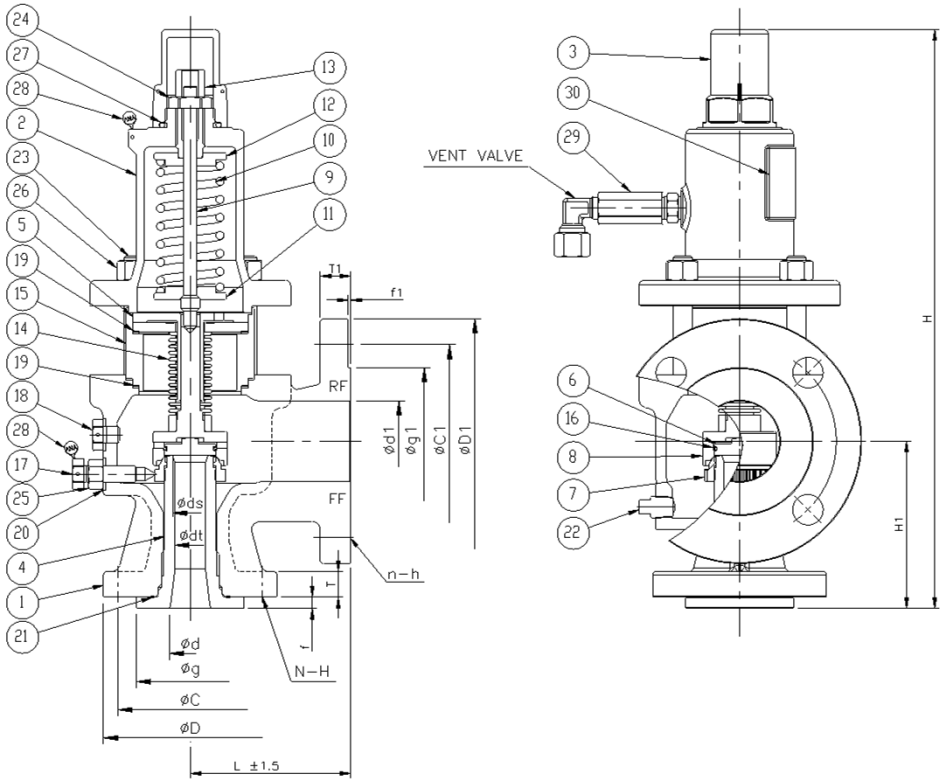
NO	REVISION	DATE	CHK	APP
1				
2				
3				



SPECIFICATION

1. APPLICABLE FLUIDS	:	LIQUID, HARMFUL GAS	
2. SERVICE SYSTEM	:	-	
3. DESIGN TEMPERATURE	:	400	℃
4. DESIGN PRESSURE	:	30.0	kgf/㎠g
5. SETTING PRESSURE	:	-	kgf/㎠g
6. HYDRO. TEST PRESSURE	:	DESIGN PRESSURE X 1.5	

* CAP MATERIAL

BODY MAT'L	CAP MAT'L	
	25A-80A	100A-200A
FCD 450	FCD 450	SS 400
SC 480	FCD 450	SS 400
CAC 406	C 3771	C 3604
SCS	SCS	SUS

* STUD BOLT / NUT

VALVE SIZE	Q'TY
25A	4
32A - 80A	6
100A - 200A	8

* SPRING MATERIAL

MAT'L	REMARK
SWOSC-B	
SUP 9	
SUS 304	
SUS 316	
INCONEL	
ALLOY STEEL	

NO	PART NAME	MATERIAL	Q'TY	REMARK
30	NAME PLATE	SUS 304	1	
29	VENT VALVE ASS'Y	SUS F304	1	
28	SEAL	Pb	2	
27	CAP GASKET	NON-ASBESTOS	1	HI TEMP.
26	NUT(STUD)	SUS 304	-	SEE TABLE
25	LOCK NUT(SET SCREW)	SUS 304	1	
24	LOCK NUT(ADJUST SCREW))	SUS 304	1	
23	STUD BOLT	SUS 304	-	SEE TABLE
22	DRAIN PLUG	SUS F304	1	
21	SEAT GASKET	PTFE	1	
20	SET SCREW GASKET	NON-ASBESTOS	1	HI TEMP.
19	BODY GASKET	NON-ASBESTOS	2	HI TEMP.
18	PLUG	SUS 304	1	
17	SET SCREW(LOW)	SUS 304	1	
16	RING SPRING	SUS 304	1	
15	SPACER	SUS 304	1	
14	BELLOWS UNIT	SUS 316L	1	
13	ADJUST SCREW	SUS 304	1	
12	SPRING SEAT(UP)	SUS 304	1	
11	SPRING SEAT(LOW)	SUS 304	1	
10	SPRING	SEE TABLE	1	
9	VALVE STEM	SUS 304	1	
8	DISC HOLDER	SUS 316	1	
7	ADJUST RING(LOW)	SCS 14	1	
6	DISC	SUS 304	1	STELLITED
5	DISC GUIDE	SCS 13	1	
4	SEAT	SCS 13	1	STELLITED
3	CAP	SEE TABLE	1	
2	BONNET	SCS 13	1	
1	BODY	SCS 13	1	

* DIMENSION

Unit : mm

SIZE d x d1	Ødt	Øds	L	H1	H	INLET FLANGE JIS B 2220 30K RF						OUTLET FLANGE JIS B 2220 10K FF						W.T (Kg)	Q'ty (EA)
						ØD	Øg	ØC	T	f	N-H	ØD1	Øg1	ØC1	T1	f1	n-h		
25A x 40A	19.0	22.0	100.0	104.0	360.0	130.0	70.0	95.0	20.0	7.0	4-19	140.0	-	105.0	16.0	-	4-19	11.6	
25A x 50A	19.0	22.0	100.0	104.0	360.0	130.0	70.0	95.0	20.0	7.0	4-19	155.0	-	120.0	16.0	-	4-19	11.9	
32A x 65A	30.0	35.0	115.0	123.0	452.0	140.0	80.0	105.0	22.0	8.0	4-19	175.0	-	140.0	18.0	-	4-19	20.4	
40A x 50A	30.0	35.0	115.0	123.0	452.0	160.0	90.0	120.0	22.0	8.0	4-23	155.0	-	120.0	16.0	-	4-19	20.4	
40A x 65A	30.0	35.0	115.0	123.0	452.0	160.0	90.0	120.0	22.0	8.0	4-23	175.0	-	140.0	18.0	-	4-19	21.1	
40A x 80A	30.0	35.0	128.0	130.0	466.0	160.0	90.0	120.0	22.0	8.0	4-23	185.0	-	150.0	18.0	-	8-19	22.7	
50A x 80A	38.0	44.0	128.0	130.0	514.0	165.0	105.0	130.0	22.0	9.0	8-19	185.0	-	150.0	18.0	-	8-19	26.4	
65A x 100A	49.0	57.0	145.0	145.0	594.0	200.0	130.0	160.0	26.0	10.0	8-23	210.0	-	175.0	18.0	-	8-19	41.4	
80A x 100A	49.0	57.0	145.0	145.0	594.0	210.0	140.0	170.0	28.0	10.0	8-23	210.0	-	175.0	18.0	-	8-19	42.5	
80A x 125A	61.0	71.0	162.0	168.0	642.0	210.0	140.0	170.0	28.0	12.0	8-23	250.0	-	210.0	20.0	-	8-23	56.7	
100A x 150A	76.0	88.0	190.0	197.0	800.0	240.0	160.0	195.0	32.0	12.0	8-25	280.0	-	240.0	22.0	-	8-23	90.7	
150A x 200A	115.0	133.0	225.0	230.0	1015.0	325.0	235.0	275.0	38.0	15.0	12-27	330.0	-	290.0	22.0	-	12-23	165.8	
200A x 250A	150.0	175.0	270.0	270.0	1164.0	370.0	280.0	320.0	42.0	15.0	12-27	400.0	-	355.0	24.0	-	12-25	294.7	

TITLE	SAFETY & RELIEF VALVE	MODEL NO.	BFSV-3F(N)

DES	CHE	APP	DATE	2020-04-13	DRAWING NO	REV
J.M.JEONG	Y.S.SEO	S.M.JANG	SCALE	N / S	YNV 1 4 7 1 0 0 - J E 0 1	

YNV CO.,LTD

UNIT (INCH MM)