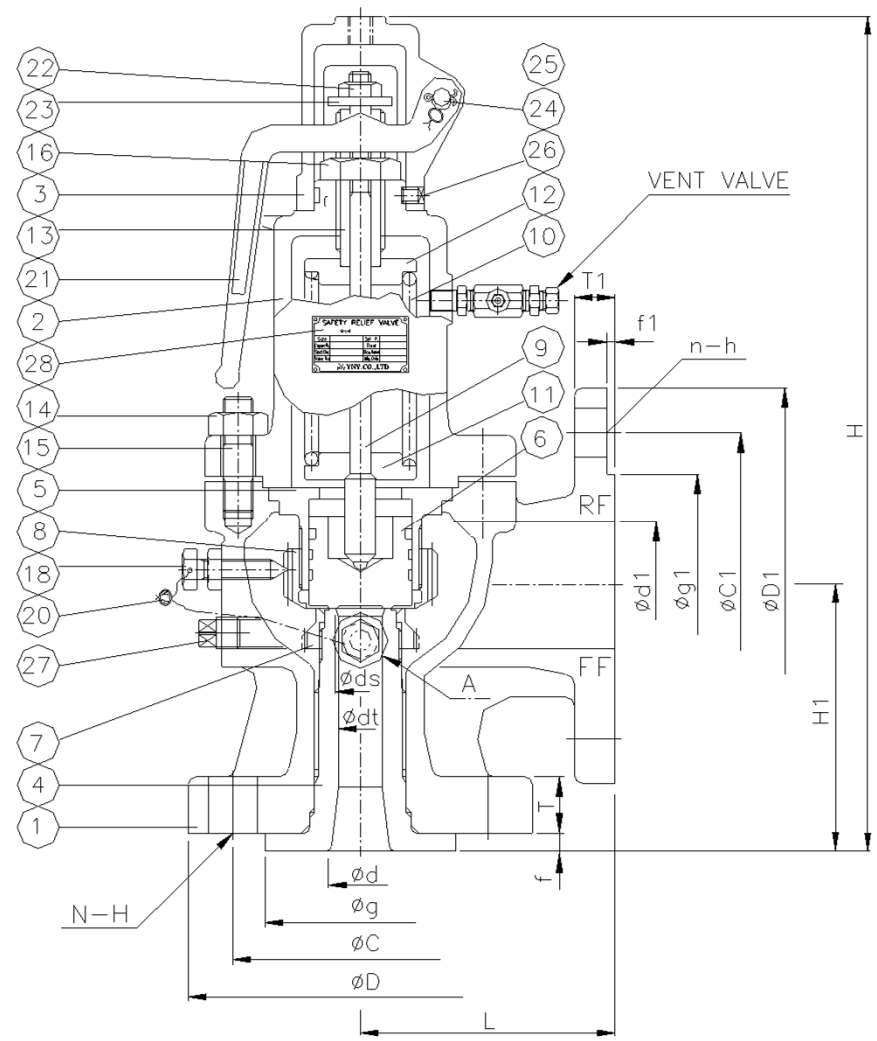
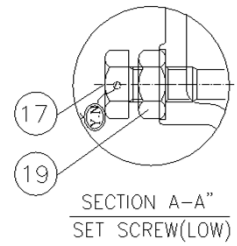


NO	REVISION	DATE	CHK	APP
△				
△				
△				



* SPRING MATERIAL

MAT'L	REMARK
SWOSC-B	
SAE 9254	
SUS 304	
SUS 316	
INCONEL	
ALLOY STEEL	



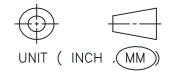
SPECIFICATION	
1. APPLICABLE FLUIDS	: AIR, VAPOR, STEAM
2. SERVICE SYSTEM	: -
3. DESIGN TEMPERATURE	: 220 °C
4. DESIGN PRESSURE	: 10.0 kgf/cm ²
5. SETTING PRESSURE	: - kgf/cm ²
6. HYDRO. TEST PRESSURE	: DESIGN PRESSURE X 1.5

NO	PART NAME	MATERIAL	Q'TY	REMARK
28	NAME PLATE	SUS 304	1	
27	PLUG	SF 440A	1	
26	CAP SET SCREW	SUS 304	2	
25	SPLIT PIN	SUS 304	1	
24	PIN	C 3604	1	
23	STEM WASHER	SS 400	1	
22	LOCK NUT	SS 400	1	
21	LEVER	FCD 450	1	
20	SEAL	Pb	2	
19	LOCK NUT	SS 400	2	
18	SET SCREW(UP)	SS 400	1	
17	SET SCREW(LOW)	SS 400	1	
16	LOCK NUT	C 3604	1	
15	STUD BOLT	SS 400	4	
14	NUT	SS 400	4	
13	ADJUST SCREW	SUS 304	1	
12	SPRING SEAT(UP)	S20C	1	
11	SPRING SEAT(LOW)	S20C	1	
10	SPRING	SEE TABLE	1	
9	VALVE STEM	SUS 304	1	
8	ADJUST RING(UP)	SCS 14	1	
7	ADJUST RING(LOW)	SCS 14	1	
6	DISC	SUS 304	1	STELLITED
5	DISC GUIDE	SCS 13	1	
4	SEAT	SUS 304	1	STELLITED
3	CAP	FCD 450	1	
2	BONNET	FCD 450	1	
1	BODY	FCD 450	1	

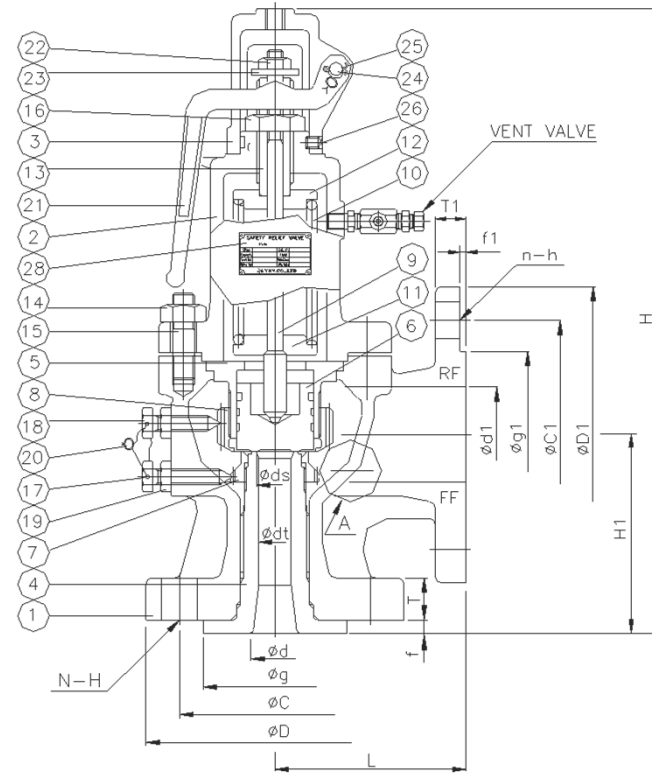
* DIMENSION

SIZE d x d1	Ødt	Øds	L	H1	H	INLET FLANGE					OUTLET FLANGE					W.T (Kg)	Q'ty (EA)		
						JIS B 2220			10K	RF	JIS B 2220			10K	FF				
						ØD	Øg	ØC	T	f	N-H	ØD1	Øg1	ØC1	T1			f1	n-h
15A x 25A	11.5	14.5	95.0	85.0	282.0	95.0	51.0	70.0	12.0	5.0	4-15	125.0	-	90.0	14.0	-	4-19	6.7	
20A x 25A	15.0	17.5	95.0	85.0	282.0	100.0	56.0	75.0	14.0	5.0	4-15	125.0	-	90.0	14.0	-	4-19	6.8	
20A x 40A	15.0	17.5	95.0	85.0	282.0	100.0	56.0	75.0	14.0	5.0	4-15	140.0	-	105.0	16.0	-	4-19	7.2	

TITLE		SAFETY & RELIEF VALVE				MODEL NO.	
						FSV-1F(L)	
DES	CHE	APP	DATE	2020-02-13	DRAWING NO		REV
J.M.JEONG	Y.S.SEO	S.M.JANG	SCALE	N/S	YNV 131100-JB00		



NO	REVISION	DATE	CHK	APP
△				
△				
△				



* CAP SET SCREW

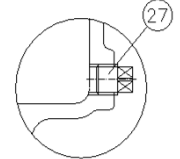
VALVE SIZE	Q'TY
25A - 80A	2
100A - 200A	3

* STUD BOLT / NUT

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

* SPRING MATERIAL

MAT'L	REMARK
SWOSC-B	
SAE 9254	
SUS 304	
SUS 316	
INCONEL	
ALLOY STEEL	



DETAIL A: DRAIN PLUG

SPECIFICATION

- 1. APPLICABLE FLUIDS : AIR, VAPOR, STEAM
- 2. SERVICE SYSTEM : -
- 3. DESIGN TEMPERATURE : 220 °C
- 4. DESIGN PRESSURE : 10.0 kgf/cm²
- 5. SETTING PRESSURE : - kgf/cm²
- 6. HYDRO. TEST PRESSURE : DESIGN PRESSURE X 1.5

NO	PART NAME	MATERIAL	Q'TY	REMARK
28	NAME PLATE	SUS 304	1	
27	PLUG	SF 440A	1	
26	CAP SET SCREW	SUS 304	-	SEE TABLE
25	SPLIT PIN	SUS 304	1	
24	PIN	C 3604	1	
23	STEM WASHER	SS 400	1	
22	LOCK NUT	SS 400	1	
21	LEVER	FCD 450	1	
20	SEAL	Pb	2	
19	LOCK NUT	SS 400	2	
18	SET SCREW(UP)	SS 400	1	
17	SET SCREW(LOW)	SS 400	1	
16	LOCK NUT	C 3604	1	
15	STUD BOLT	SS 400	-	SEE TABLE
14	NUT	SS 400	-	SEE TABLE
13	ADJUST SCREW	SUS 304	1	
12	SPRING SEAT(UP)	S20C	1	
11	SPRING SEAT(LOW)	S20C	1	
10	SPRING	SEE TABLE	1	
9	VALVE STEM	SUS 304	1	
8	ADJUST RING(UP)	SCS 14	1	
7	ADJUST RING(LOW)	SCS 14	1	
6	DISC	SUS 304	1	STELLITED
5	DISC GUIDE	SCS 13	1	
4	SEAT	SUS 304	1	STELLITED
3	CAP	FCD 450	1	
2	BONNET	FCD 450	1	
1	BODY	FCD 450	1	

* DIMENSION

Unit : mm

SIZE d x d1	Ødt	Øds	L	H1	H	INLET FLANGE						OUTLET FLANGE						W.T (Kg)	Q'ty (EA)						
						JIS B 2220			10K			RF			JIS B 2220					10K			FF		
						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	324.0	125.0	67.0	90.0	14.0	7.0	4-19	140.0	-	105.0	16.0	-	4-19	10.0							
25A x 50A	19.0	22.0	100.0	104.0	324.0	125.0	67.0	90.0	14.0	7.0	4-19	155.0	-	120.0	16.0	-	4-19	10.3							
32A x 65A	30.0	35.0	115.0	123.0	419.0	135.0	76.0	100.0	16.0	8.0	4-19	175.0	-	140.0	18.0	-	4-19	17.6							
40A x 50A	30.0	35.0	115.0	123.0	419.0	140.0	81.0	105.0	16.0	8.0	4-19	155.0	-	120.0	16.0	-	4-19	17.6							
40A x 65A	30.0	35.0	115.0	123.0	419.0	140.0	81.0	105.0	16.0	8.0	4-19	175.0	-	140.0	18.0	-	4-19	17.7							
40A x 80A	30.0	35.0	128.0	130.0	434.0	140.0	81.0	105.0	16.0	8.0	4-19	185.0	-	150.0	18.0	-	8-19	19.4							
50A x 80A	38.0	44.0	128.0	130.0	478.0	155.0	96.0	120.0	16.0	9.0	4-19	185.0	-	150.0	18.0	-	8-19	23.6							
65A x 100A	49.0	57.0	145.0	145.0	544.0	175.0	116.0	140.0	18.0	10.0	4-19	210.0	-	175.0	18.0	-	8-19	34.1							
80A x 100A	49.0	57.0	145.0	145.0	544.0	185.0	126.0	150.0	18.0	10.0	8-19	210.0	-	175.0	18.0	-	8-19	34.4							
80A x 125A	61.0	71.0	162.0	168.0	600.0	185.0	126.0	150.0	18.0	12.0	8-19	250.0	-	210.0	20.0	-	8-23	48.3							
100A x 150A	76.0	88.0	190.0	197.0	725.0	210.0	151.0	175.0	18.0	12.0	8-19	280.0	-	240.0	22.0	-	8-23	77.5							
125A x 200A	95.0	114.0	220.0	222.0	900.0	250.0	182.0	210.0	20.0	15.0	8-23	330.0	-	290.0	22.0	-	12-23	124.4							
150A x 200A	115.0	133.0	225.0	230.0	961.0	280.0	212.0	240.0	22.0	15.0	8-23	330.0	-	290.0	22.0	-	12-23	148.6							
200A x 250A	150.0	175.0	270.0	270.0	1094.0	330.0	262.0	290.0	22.0	15.0	12-23	400.0	-	355.0	24.0	-	12-25	261.2							

TITLE		SAFETY & RELIEF VALVE			MODEL NO.	
					FSV-1F(L)	
DES	CHE	APP	DATE	2020-02-13	DRAWING NO	REV
J.M.JEONG	Y.S.SEO	S.M.JANG	SCALE	N/S	YNV 131100 - JB00	

