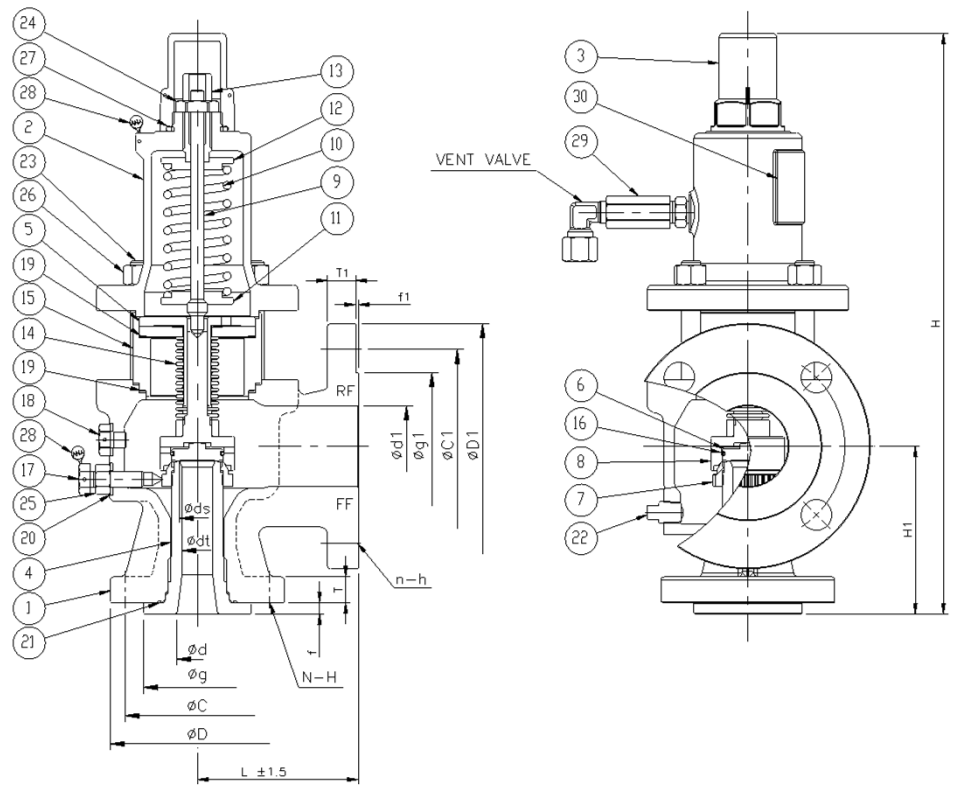


NO	REVISION	DATE	CHK	APP
△				
△				
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SPECIFICATION	
1. APPLICABLE FLUIDS	: LIQUID, HARMFUL GAS
2. SERVICE SYSTEM	: -
3. DESIGN TEMPERATURE	: 400 °C
4. DESIGN PRESSURE	: 19.7 barg (at 0-38 °C) (P-T Rating is according to ASME B 16.34)
5. SETTING PRESSURE	: - barg
6. HYDRO. TEST PRESSURE	: DESIGN PRESSURE X 1.5

* CAP MATERIAL		
BODY MAT'L	CAP MAT'L	
	1B - 3B	4B - 8B
A536 65	A536 65	A 36
A216 WCB	A536 65	A 36
B62 C836	B124	B16
A351	A351	A276

* STUD BOLT / NUT	
VALVE SIZE	Q'TY
1B	4
1½B - 3B	6
4B - 8B	8

* SPRING MATERIAL	
MAT'L	REMARK
SWOSC-B	
SAE 9254	
A313 304	
A313 316	
INCONEL	
ALLOY STEEL	

NO	NAME PLATE	A240 304	1	
29	VENT VALVE ASS'Y	A182 F304	1	
28	SEAL	Pb	2	
27	CAP GASKET	NON-ASBESTOS	1	HI-TEMP.
26	NUT(STUD)	A194 2H	-	SEE TABLE
25	LOCK NUT(SET SCREW)	A194 8	1	
24	LOCK NUT(ADJUST SCREW)	B16 C36000	1	
23	STUD BOLT	A193 B7	-	SEE TABLE
22	DRAIN PLUG	A 105	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	A193 B8	1	
17	SET SCREW(LOW)	A193 B8	1	
16	RING SPRING	A313 304	1	
15	SPACER	A276 304	1	
14	BELLOWS UNIT	A240 & 276 316L	1	
13	ADJUST SCREW	A276 304	1	
12	SPRING SEAT(UP)	A 36	1	
11	SPRING SEAT(LOW)	A 36	1	
10	SPRING	SEE TABLE	1	
9	VALVE STEM	A276 304	1	
8	DISC HOLDER	A276 316	1	
7	ADJUST RING(LOW)	A351 CF8M	1	
6	DISC	A276 304	1	STELLITED
5	DISC GUIDE	A351 CF8	1	
4	SEAT	A276 304	1	STELLITED
3	CAP	SEE TABLE	1	
2	BONNET	A216 WCB	1	
1	BODY	A216 WCB	1	

* DIMENSION																	Unit : mm		
SIZE d x d1	Ødt	Øds	L	H1	H	INLET FLANGE ASME / ANSI B 16.5 150LB RF						OUTLET FLANGE ASME / ANSI B 16.5 150LB RF						W.T (Kg)	Q'ty (EA)
						ØD	Øg	ØC	T	f	N-H	ØD1	Øg1	ØC1	T1	f1	n-h		
1B x 1½B	19.0	22.0	100.0	104.0	360.0	108.0	50.8	79.5	14.3	7.0	4-16	127.0	73.2	98.5	17.5	1.6	4-16	10.8	
1B x 2B	19.0	22.0	100.0	104.0	360.0	108.0	50.8	79.5	14.3	7.0	4-16	152.0	91.9	120.5	19.1	1.6	4-19	11.6	
1½B x 2½B	30.0	35.0	115.0	123.0	452.0	117.0	63.5	89.0	15.9	8.0	4-16	178.0	104.6	139.5	22.3	1.6	4-19	20.5	
1½B x 2B	30.0	35.0	115.0	123.0	452.0	127.0	73.2	98.5	17.5	8.0	4-16	152.0	91.9	120.5	19.1	1.6	4-19	20.5	
1½B x 2½B	30.0	35.0	115.0	123.0	452.0	127.0	73.2	98.5	17.5	8.0	4-16	178.0	104.6	139.5	22.3	1.6	4-19	20.8	
1½B x 3B	30.0	35.0	128.0	130.0	466.0	127.0	73.2	98.5	17.5	8.0	4-16	191.0	127.0	152.5	23.9	1.6	4-19	22.1	
2B x 3B	38.0	44.0	128.0	130.0	514.0	152.0	91.9	120.5	19.1	9.0	4-19	191.0	127.0	152.5	23.9	1.6	4-19	27.0	
2½B x 4B	49.0	57.0	145.0	145.0	594.0	178.0	104.6	139.5	22.3	10.0	4-19	229.0	157.2	190.5	23.9	1.6	8-19	42.6	
3B x 4B	49.0	57.0	145.0	145.0	594.0	191.0	127.0	152.5	23.9	10.0	4-19	229.0	157.2	190.5	23.9	1.6	8-19	43.6	
3B x 5B	61.0	71.0	162.0	168.0	642.0	191.0	127.0	152.5	23.9	12.0	4-19	254.0	185.7	216.0	23.9	1.6	8-22	57.0	
4B x 6B	76.0	88.0	190.0	197.0	800.0	229.0	157.2	190.5	23.9	12.0	8-19	279.0	215.9	241.5	25.4	1.6	8-22	90.2	
6B x 8B	115.0	133.0	225.0	230.0	1015.0	279.0	215.9	241.5	25.4	15.0	8-22	343.0	269.7	298.5	28.6	1.6	8-22	162.6	
8B x 10B	150.0	175.0	270.0	270.0	1164.0	343.0	269.7	298.5	28.6	15.0	8-22	406.0	323.9	362.0	30.2	1.6	12-25	290.6	

NO		PART NAME	MATERIAL	Q'TY	REMARK
TITLE		SAFETY & RELIEF VALVE			MODEL NO.
					BFSV-2F(N)
DES	CHE	APP	DATE	2020-04-13	DRAWING NO
J.M.JEONG	Y.S.SEO	S.M.JANG	SCALE	N / S	YNV 142100 - AA01
					REV

