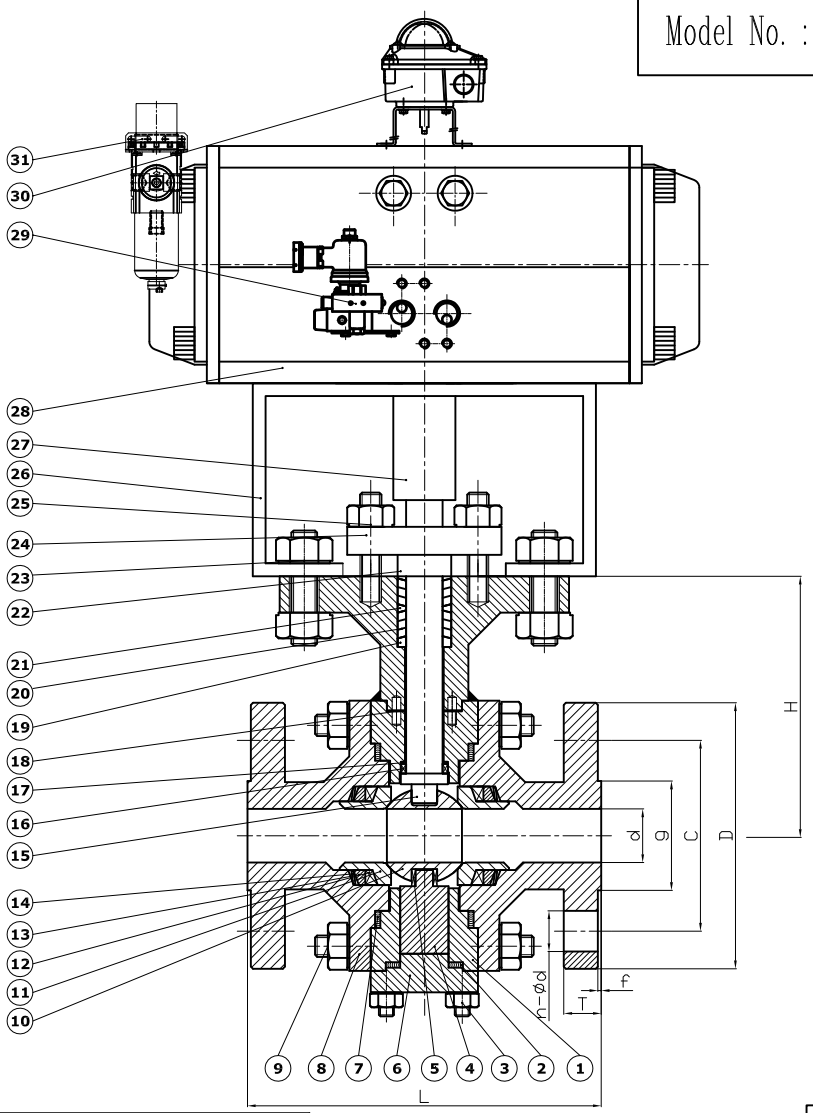
NO.	DATA	REVISIONS & DESCRIPTION	SIGNA TURE REVIEWED	SIGNA TURE CHECKED

Model No. : D100-TH1



Pressure Rating (JIS)	Test Pressure(kg/cm2)			Applicable Temp. (°C)
	Shell	Seat Leakage		
		Hydro.	Air	
20K	75	55	6	+350°C

DESIGN STANDARD

1. Flange standard : JIS B2220
2. Face to face dimension : JIS B2002
3. Test Standard: ASME B16.104-Class IV
4. Pressure temperature rating : ASME B16.34-2004

NO.	Description	Material	Remark
31	Air Set	–	
30	Limit Switch Box	HKC APL-422N(NJ4-12GM40-E2)	
29	Solenoid Valve	YTC YT-720(DC24V)	
28	Actuator	MaxTork	
27	Connector	SS410	
26	Yoke	SS304	
25	Gland Bolt/Nut	ASTM A193 B7/A194 2H	
24	Gland Flange	ASTM A276 304	
23	Yoke Bolt	ASTM A193 B7/A194 2H	
22	Gland Ring	ASTM A276 304	
21	Packing Washer	ASTM A276 304	
20	Gland Packing	Graphite	
19	Packing Washer	ASTM A276 304	
18	Pin	ASTM A276 304	
17	Thrust Washer	SS304	
16	Stem Bush	Bronze	
15	Stem	ASTM A564 630	
14	Spring	SS631	
13	Seat Insert	ASTM A276 304	
12	Seat Packing	Graphite	
11	Seat	ASTM A564 630/25%Ni-Cr TCC	
10	Ball	ASTM A564 630/25%Ni-Cr TCC	
9	Body Bolt/Nut	ASTM A193 B7/A194 2H	
8	Cap	ASTM A105	
7	Body Gasket	SPW304+Graphite	
6	Bottom Cover	ASTM A105	
5	Low Stem Bush	Bronze+Carbon	
4	Low Stem	ASTM A564 630	
3	Bottom Bolt/Nut	ASTM A193 B7/A194 2H	
2	Bottom Gasket	SPW304+Graphite	
1	Body	ASTM A105	

NOMINAL DIAMMETER		MAIN DIMENSION								
DN	JIS	L	D	C	g	d	T	f	n-Ød	H
40(A)	20K	190	140	105	81	38	18	2	4-ø19	100
25(A)	20K	165	125	90	67	25	16	1	4-ø19	90

posco

TITLE: SHUT-OFF BALL VALVE
25A, 40A-20K, RF, FOR STEAM

	DRAWN	CHECKED	REVIEWED	APPROVED
POSCO				
SIGNA TURE				
DATE				
CONSULTANT				

SCALE | PRO-JECTION

REF. DWG. NO. | MANUF. NO. | STOCK. NO. | DWG. NO.

POSCO DWG. NO.

지시용접치수

지시외일반첫수허용차

일반첫수허용차

절삭가공부분

구분	1급
1이상 8이하	±0.2
8에서 15~	
15~63~	±0.3
63~250~	±0.5
250~1000~	±0.8
1000~2000~	±1.0
3000~4000~	±1.5
4000~10000~	±2.5
10000~100000~	±3.5

용접구조물 (관급가공포함)

치수차

구분	보통급
100이하	±1.5
100에서 300이하	±2.9
300에서 1000이하	±3.5
1000~3000~	±5.0
3000~5000~	±7.2

진직도

300이하	±1.5
300에서 1000이하	±2.3
1000~3000~	±3.5
3000~3000~	±5.0
3000~5000~	±7.2

1. 1300이상상태
2. 5000을 초과 1000 보다 -0.3로 한다

직각도

300이하	±2.0
300~1000~	±3.0
1000~2000~	±4.0
2000~3000~	±5.0

1. 1000 이상상태
2. 3000을 모두 1000 마다에 급한다

10000이면 C 0.3 ~ 0.8
10000이면 IC -0.3~0.8