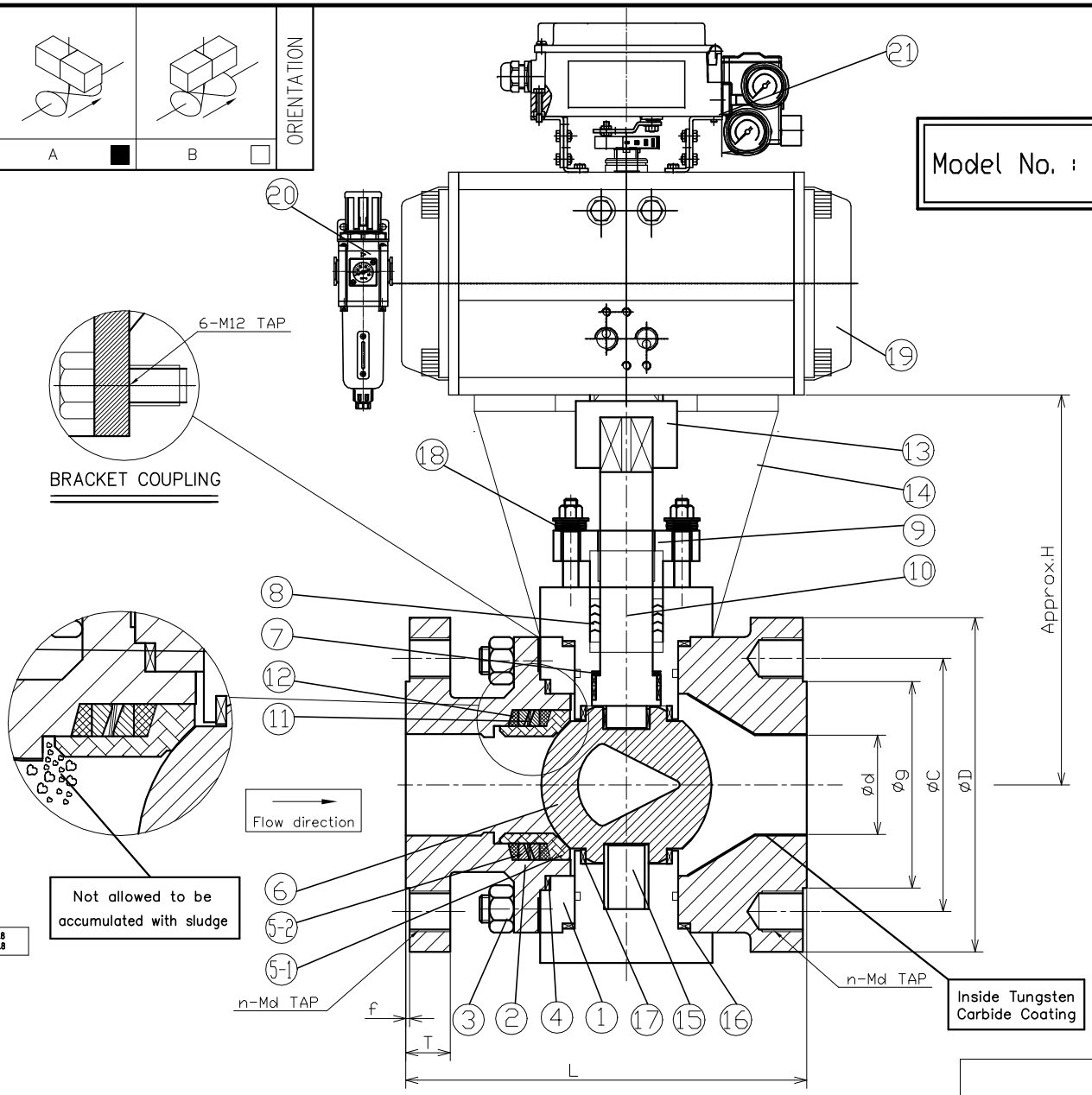
NO.	DATA	REVISIONS & DESCRIPTION	SIGNA TURE REVIEWED	SIGNA TURE CHECKED

Model No. : D100TV

Pressure Rating (JIS)	Test Pressure(kg/cm2) Shell	Seat Leakage Hydro.	Seat Leakage Air	Applicable Temp. (°C)
10K	30	22	6	0~+120°C

DESIGN STANDARD

1. Flange standard : JISK B 2220:2004
2. Face to face dimension : Requirements
3. Wall thickness standard : ASME B16.34-2004
4. Test Standard : ASME B16.104-Class VI
5. Pressure temperature rating : ASME B16.34-2004
6. Hardness measurement certificate issued by the certification from authority KOLAS
   (P-CVD : Penetrated method into parent material)



지시용접치수	
지시외일반첫수허용차	
일반첫수허용차	
절삭가공부분	

구 분	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)	
치 수 차	

구 분	보통급
100이하	±1.5
100에서 300이하	±2.9
300에서 1000이하	±3.5
1000~ 3000~	±5.0
3000~ 5000~	±7.2
진 직 도	
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

직 각 도	
300이하	±2.0
300~ 1000~	±3.0
1000~ 2000~	±4.0
2000~ 3000~	±5.0

1. 1000 이상상태
2. 3000을 모두 1000 마다에 곱한다

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

NO.	DESCRIPTION	MATERIAL	QUANTITY	REMARK'S
21	POSITIONER	COMMERCIAL	1	
20	AIR SET	COMMERCIAL	1	
19	ACTUATOR	MAXTORK	1	
18	CONICAL WASHER	SUS304	1	
17	BUSH	NITRONIC 60	2	
16	GASKET-2	SS304+GRAPHITE	1	
15	TRUNNION	SUS660+K-CVD	1	
14	YOKE	SUS304	1	
13	CONNECTING SHAFT	SUS410	1	
12	SEAL RING	GRAPHITE	2	
11	SPRING	SUS631	2s	
10	STEM	SUS660+K-CVD	1	Hv1800(Thick. : 15㎛)
9	GLAND FLANGE	SUS304	1	
8	PACKING	C-PTFE	1s	
7	THRUST WASHER	SS316+PEEK	1s	
6	BALL	SUS660+TCC+U-COATING	1	TCC(20% Cr+7Ni)+U-COATING
5-2	SEAT INSERT	SUS316	2	
5-1	SEAT	SOLID TC+P-CVD	1	Hv1800(Thick. : 30㎛)
4	GASKET-1	SS304+GRAPHITE	2	
3	BOLT/NUT	SUS316	1s	
2	CAP	SUS316	1	
1	BODY	SUS316+TCC	1	TCC(20% Cr+7Ni)

NOMINAL DIAMMETER		MAIN DIMENSION								
DN	JIS	L	D	C	g	d	T	f	n-Md	H
50A	10K	140	155	120	96	50	16	2	4-M16	193

posco

TITLE	CONTROL BALL VALVE 50A, 10K, RF, FOR UNSLAKED LIME	SCALE	PRO-JECTION
		REF. DWG. NO. MANUF. NO.	
		STOCK. NO.	
		DWG. NO.	

	DRAWN	CHECKED	REVIEWED	APPROVED
POSCO SIGNA TURE				
POSCO DATE				
CONSULTANT				

POSCO DWG. NO.