



PARTS & MATERIAL LIST		
ITEM	PART NAME	MATERIAL
1	Body	ASTM A216 GR.WCB
2	Ball seat	R-PTFE
3	Ball	ASTM A276 Type 316
4	Stud bolts	ASTM A193 GR.B7
5	Stud bolts nuts	ASTM A194 GR.2H
6	End piece	ASTM A216 GR.WCB
7	Antistatic device	ASTM A276 Type 316
8	Stem	ASTM A182 F316
9	Body gasket	316+GRAPHITE
10	Thrust bearing	R-PTFE
11	Packing Ring	ASTM A276 Type 316
12	Stem packing	FLEX GRAPHITE
13	Gland	ASTM A276 Type 410
14	Stem bearing	R-PTFE
15	Gland Flange	Carbon Steel
16	Socket heat bolt	ASTM A193 GR.B7
17	Stop plate	Carbon Steel
18	Retaining Ring	ASTM A686-W1
19	Lever	Carbon Steel
20	Screw	Carbon Steel
21	Yoke stud	Carbon Steel
22	Yoke	ASTM A216 GR.WCB
23	Gear	ASTM A216 GR.WCB

- Note:
- 1.Design as per API 6D
 - 2.RF end dimension as per ANSI B 16.5
 - 3.Face to face according to ANSI B 16.10
 - 4.Test & Inspect confirm to API 6D
 - 5.Fire safe as per API 607

VALVE SIZE	DIMENSION										Flow Coefficient (Cv)	Stem Torque unit:ft.lb	WT kg
	NPS	L	Øb	Ød	Øc	Øg	n-Øh	t	f	K			
12"	609.6	304.8	482.6	431.8	381.0	12-Ø25.4	31.8	1.5	9.7	500.4*	26750	2581	333.4
10"	533.4	254.0	406.4	361.9	323.9	12-Ø25.4	30.2	1.5	8.6	1016	17500	1481	195.0
8"	457.2	203.2	342.9	298.4	269.7	8-Ø22.4	28.4	1.5	7.9	899.9	10750	737	156.5
6"	393.7	152.4	279.4	241.3	215.9	8-Ø22.4	25.4	1.5	7.1	750.0	5300	339	91.6
4"	228.6	101.6	228.6	190.5	157.2	8-Ø19	23.9	1.5	6.4	405.1	2500	96	31.8
3"	203.2	76.2	190.5	152.4	127.0	4-Ø19	19.1	1.5	5.6	350.5	1360	59	18.1
2.5"	190.5	63.5	177.8	139.7	104.6	4-Ø19	17.5	1.5	5.6	350.5	950	51	14.5
2"	177.8	50.8	152.4	120.7	91.9	4-Ø19	16.0	1.5	5.6	219.9	500	22	9.5
1.5"	165.1	38.1	127.0	98.6	72.9	4-Ø16	14.9	1.5	4.8	219.9	308	11	6.8

* Gear Operator

1 1/2"~12"-150#-CAST STEEL BALL VALVE			
CLIENT		DWG REV .NO	00
P.O.NO		CLASS	
APPROVED BY		HYDROSTATIC TEST (PSI)	SHELL SEAT
REVIEWED BY		AIR TSET	
MADE BY		DATE	
DRAWING NO	1 1/2"-12"-KF846		
GDVAL VALVE			