



**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	O-Ring	VITON
12	Stem packing	FLEX GRAPHITE
13	Gland	ASTM A276 Type 410
14	Pin or Stop Screw	Carbon Steel or ASTM A193-2H
15	Stop plate	Carbon Steel
16	washer Spring	Harmonic Steel
17	Nut	Carbon Steel
18	Lever	Carbon Steel

- 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 conform to API 6D
  - 5.Fire safe as per API 607

VALVE SIZE	DIMENSION unit:mm										Flow Coefficient (Cv)	Stem Torque unit:ft.lb	WT kg
	L	øb	ød	øc	øg	n-øh	t	f	K	W			
1"	127	25.4	107.9	79.5	50.8	4-ø15	12.9	1.5	4.1	149.9	95	7.4	5.0
0.75"	117.3	19.1	98.6	69.9	42.9	4-ø15	11.9	1.5	4.1	129.8	56	6.6	2.7
0.5"	107.9	12.9	88.9	60.5	35.1	4-ø15	10.9	1.5	4.1	129.8	25	5.2	2.3

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

**GDVAL VALVE**