



- 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

PARTS & MATERIAL LIST

ITEM	PART NAME	MATERIAL
1	Body flange	ASTM A105
2	Body	ASTM A105
3	Ball	ASTM A182-F316
4	Spring	Inconel X-750
5	Seat ring&Seat plate	ASTM A182-F316
6	Seat	R-PTFE
7	Vent Valve	ASTM A276 Type 316
8	Support	Carbon Steel
9	Seat gasket	Graphite
10	O-ring	VITON
11	Body stud	ASTM A193-B7M
12	Body nut	ASTM A194 -2HM
13	Gasket	316+graphite
14	Antistatic device	ASTM A276 Type 316
15	Bearing	1045+PTFE
16	Stem	ASTM A182-F316
17	Stem bearing	R-PTFE
18	Stuffing box	ASTM A105
19	Injection fitting	Carbon Steel
20	Adaptor flange	Carbon Steel
21	Pin	Carbon Steel
22	Screw	ASTM A193-B7M
23	Packing	Flex graphite
24	Gland	ASTM A276 Type 410
25	Stop device	Carbon Steel
26	Gear	ATSM A276 GR.WCB
27	Pin	AISI 1045
28	Thrust Washer	1045+PTFE
29	Drain Plug	Carbon Steel
30	Turnnion	ASTM A105
31	O-ring	VITON
32	Injection fitting	ASTM A105
33	Support	Carbon Steel

VALVE SIZE	DIMENSION unit: mm											Flow Coefficient (Cv)	WEIGHT kg
	A	B	C	E	n-ØF	f	D	L	H	t	W		
14"	533.4	35.1	412.8	476.3	12-Ø28.4	1.5	336.6	685.8	541.0	31.5	701.0	28000	865.5
16"	596.9	36.6	469.9	539.8	16-Ø28.4	1.5	387.4	762.0	657.9	35.6	701.0	36000	1017.9
18"	635.0	39.6	533.4	577.9	16-Ø31.8	1.5	438.2	863.6	701.0	35.6	701.0	46000	1431.1
20"	698.5	42.9	584.2	635.0	20-Ø31.8	1.5	488.9	914.4	769.6	35.6	749.3	57000	1916.5
24"	812.8	47.8	692.2	749.3	20-Ø35.1	1.5	591.1	1066.8	845.8	35.6	800.1	75000	2825.0

14"-24"-150#-FORGED 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	14"-24"-LF846-GO		
GDVAL VALVE			