



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"	584.2	53.8	412.8	514.4	20-Ø31.8	1.5	336.6	762.0	541.0	44.7	701.0	28000	857.3
16"	647.7	57.2	469.9	571.5	20-Ø35.1	1.5	387.4	838.2	657.9	48.5	701.0	36000	1202.0
18"	711.2	60.5	533.4	628.7	24-Ø35.1	1.5	438.2	914.4	701.0	48.5	701.0	46000	1693.3
20"	774.7	63.5	584.2	685.8	24-Ø35.1	1.5	488.9	990.6	769.6	48.5	800.1	57000	2016.3
24"	914.4	69.9	692.2	812.8	24-Ø41.1	1.5	591.1	1143	896.6	48.5	800.1	75000	2812.3

14"-24"-300#-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"-LF848-GO		
GDVAL VALVE			