



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											Flow Coefficient (Cv)	WEIGHT kg
	unit: mm												
NPS	A	B	C	E	n-ØF	f	D	L	H	t	w		
12"	558.8	66.5	381.0	488.9	20-Ø35.1	6.4	304.8	838.2	469.9	52.1	701.0	24000	816.5
14"	603.3	69.9	412.8	527.1	20-Ø38.1	6.4	336.6	889.0	566.4	50.8	701.0	28000	1202.0
16"	685.8	76.2	469.9	603.3	20-Ø41.1	6.4	387.4	990.6	693.4	50.8	701.0	36000	1451.5
18"	742.9	82.6	533.4	654.1	20-Ø44.5	6.4	438.2	1092.2	731.5	50.8	701.0	46000	2132.8
20"	812.8	88.9	584.2	723.9	24-Ø44.5	6.4	488.9	1193.8	825.5	50.8	800.1	57000	2626.3
24"	939.8	101.6	692.2	838.2	24-Ø50.8	6.4	590.6	1397.0	904.2	52.1	800.1	75000	3882.8

12"~24"-600#-FORGED STEEL BALL VALVE			
CLIENT		DWG REV .NO	00
P.O.NO		CLASS	
APPROVED BY		HYDROSIATIC TEST (PSI)	SHELL
REVIEWED BY		AIR TSET	SEAT
MADE BY		DATE	
DRAWING NO	12"-24"-LF851-GO		
GDVAL VALVE			