



**PARTS & MATERIAL LIST**

ITEM	PART NAME	MATERIAL	ITEM	PART NAME	MATERIAL
1	Body	ASTM A216 WCB	1	Body	ASTM A351 CF8M
2	Seat	ASTM A105+STL	2	Seat	ASTM A182 F316+STL
3	Wedge	ASTM A216 WCB+Cr13	3	Wedge	ASTM A351 CF8M
4	Stem	Cr13	4	Stem	ASTM A276 type 316
5	Gasket	304+Graphite	5	Gasket	316+Graphite
6	Back seat	Cr13	6	Back seat	ASTM A276 type 316
7	Bonnet	ASTM A216 WCB	7	Bonnet	ASTM A351 CF8M
8	Packing	Graphite	8	Packing	Graphite
9	Pin	1035	9	Pin	1035
10	Gland	Cr13	10	Gland	ASTM A276 type 316
11	Gland Flange	ASTM A216 WCB	11	Gland Flange	ASTM A351 CF8M
12	Yoke	ASTM A216 WCB	12	Yoke	ASTM A351 CF8M
13	Yoke Nut	D-2	13	Yoke Nut	D-2
14	Wedge	1035	14	Wedge	1035
15	Handwheel	KTH330	15	Handwheel	KTH330
16	Lock Nut	1035	16	Lock Nut	1035
17	Oil Cup	Casting Steel	17	Oil Cup	Casting Steel
18	Nut	ASTM A194 2H	18	Nut	ASTM A194 8
19	Gland Eyebolt	ASTM A193 B7	19	Gland Eyebolt	ASTM A193 B8
20	Nut	ASTM A194 2H	20	Nut	ASTM A194 8
21	Bolt	ASTM A193 B7	21	Bolt	ASTM A193 B8
22	Gear Operator	Carbon Steel	22	Gear Operator	Carbon Steel

- Note:  
 1.Design as per API 600  
 2.Flange dimension as per ANSI B 16.5  
 3.Face to face dimension as per ANSI B 16.10  
 4.Test & Inspect confirm to API 598

SIZE	DN	B	C	D	t	L(RF)	z-d	K1	K2	WEIGHT (KG)
14"-150	336.6	412.8	476.3	533.4	35.6	381	12-28.5	500	310	450
16"-150	387.4	470	540	597	37.5	406.4	16-28.5	560	310	550
18"-150	438	533	578	635	40	432	16-32	640	460	700
20"-150	489	584.2	635	698.5	43	457.2	20-32	640	460	910
22"-150	540	641.4	692.2	749.3	46	483	20-35	640	460	1020
24"-150	591	692	749.5	813	48	508	20-35	720	460	1130

K1-Handwheel  
 K2-Gear Operator

14"-24"-150# Gate 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	47-XU/47-LU-CF8M		
<b>GDVAL VALVE</b>			