



DIMENSIONS.

UNIT: mm

NOMINAL SIZE		END FLANGE														APPROX. MASS (kg)
in.	mm	d	H	D1	L	l	D	BOLT HOLE		BOLT SIZE	g	t	f			
								c	NO.					h		
1.1/2	40	40	385	200	165	63	127	98.5	4	16	1/2	73	14.3	1.6	16	
2	50	50.5	385	200	178	63	152	120.5	4	19	5/8	92	15.9	1.6	19	
2.1/2	65	65	432	200	190	78	178	139.5	4	19	5/8	105	17.5	1.6	25	
3	80	80	509	250	203	94	190	152.5	4	19	5/8	127	19.1	1.6	34	
4	100	101	592	250	229	118	229	190.5	8	19	5/8	157	23.9	1.6	46	
5	125	125	658	300	254	141	254	216	8	22	3/4	186	23.9	1.6	63	
6	150	151	758	300	267	167	279	241.5	8	22	3/4	216	25.4	1.6	78	
8	200	203	958	350	292	219	343	298.5	8	22	3/4	270	28.6	1.6	123	
10	250	254	1162	400	330	273	406	362	12	25	7/8	324	30.2	1.6	180	
12	300	305	1362	450	356	325	483	432	12	25	7/8	381	31.8	1.6	232	
14	350	338	1572	600	381	362	533	476.5	12	29	1	413	35.0	1.6	336	
16	400	387	1692	600	406	411	597	539.5	16	29	1	470	36.6	1.6	480	
18	450	438	1888	600	432	465	635	578	16	32	1.1/8	533	39.7	1.6	575	
20	500	489	2123	680	457	524	698	635	20	32	1.1/8	584	42.9	1.6	750	
24	600	591	2497	760	508	626	813	749.5	20	35	1.1/4	692	47.7	1.6	1090	

NOTE (1) VALVE SIZE (inch) IDENTIFICATION. (2) Co-Cr-W ALLOY. (3) METAL CORRUGATED GASKET WITH FLEXIBLE GRAPHITE. SIZE 5 ONLY STAINLESS FOIL INSERTED FLEXIBLE GRAPHITE.

NO	NAME OF PARTS	QTY	MATERIALS	SPECIFICATIONS
1	BODY	1	CAST STEEL	SCPH2 / A216 Gr. WCB
2	BONNET	1	CAST STEEL	SCPH2 / A216 Gr. WCB
3	STEM	1	STAINLESS STEEL	A182Gr. F6a OR SUS403
4	DISC	1	STAINLESS STEEL	A182 Gr. F6a OR A217 Gr. CA15 (SIZE 1.1/2-4)
		1	CAST STEEL	A216 Gr. WCB+13CR (SIZE 5-24)
7	GLAND	1	STAINLESS STEEL	A276 TYPE403
8	GLAND PACKING	1S	FLEXIBLE GRAPHITE	
9	HAND WHEEL	1	DUCTILE IRON	
10	WHEEL NUT	1	CARBON STEEL	
16	NAME PLATE	1	ALUMINUM	
19	GASKET	1	(3)	
30	BODY SEAT RING	2	CARBON STEEL+HF (2)	
33	BONNET NUT	1S	CARBON STEEL	A194 Gr. 2H
34	GLAND NUT	2	CARBON STEEL	A194 Gr. 2H
35	BONNET BOLT	1S	ALLOY STEEL	A193 Gr. B7
36	GLAND BOLT	2	CARBON STEEL	A576 Gr. 1045
38	BONNET BUSH	1	STAINLESS STEEL	A182 Gr. F6a
39	SET SCREW	1	CARBON STEEL	
41	GLAND BOLT PIN	2	STAINLESS STEEL	A276 TYPE403
42	YOKE SLEEVE	1	DUCTILE NI-RESIST	A439 TYPED2
46	GLAND FLANGE	1	CARBON STEEL OR CAST STEEL	A105 OR A216 Gr. WCB
61	YOKE	1	CAST STEEL	A216 Gr. WCB
62	YOKE NUT	8	CARBON STEEL	A194 Gr. 2H
63	YOKE BOLT	4	ALLOY STEEL	A193 Gr. B7
76	THRUST BEARING	2	STEEL	
77	SLEEVE NUT	1	STAINLESS STEEL	A276 TYPE403 OR A217 Gr. CA15
122	GREASE NIPPLE	1	CARBON STEEL	

STANDARD	FACE TO FACE OR END TO END	ASME B16.10 CLASS 150
	END CONNECTION	ASME B16.5 CLASS 150
	WALL THICKNESS	API 600 CLASS 150
	PRESSURE TEST	API 598
FIGURE		150SCLS

CLASS 150 CAST STEEL
GATE VALVES

BOLTED BONNET, OUTSIDE SCREW & YOKE, FLANGED ENDS.

DATE APPD	JUL. 17.' 12	DRAWING NO	△		
APPD BY	I. TAKANO	951-B10030	△		
CHKD BY	K. NAKAMURA		△		
DSGND BY	Y. YAMASHITA		△		
DRAWN BY	Y. KOBASHI		REV-19	MARK	DATE

KITZ CORPORATION

