



NO	NAME OF PARTS	QTY	MATERIALS	SPECIFICATIONS
1	BODY	1	CAST STEEL	A216 Gr. WCB/SCPH2
2	BONNET	1	CAST STEEL	A216 Gr. WCB/SCPH2
3	STEM	1	STAINLESS STEEL	403SS
4	DISC	1	CARBON STEEL+OVERLAY or STAINLESS STEEL	A105+13Cr or A217 Gr. CA15 (SIZE 1.1/2-4)
		1	CAST STEEL+OVERLAY	A216 Gr. WCB/SCPH2+13Cr (SIZE 6-24)
7	GLAND	1	STAINLESS STEEL	403SS
8	GLAND PACKING	1S	FLEXIBLE GRAPHITE	
9	HAND WHEEL	1	DUCTILE IRON	
10	WHEEL NUT	1	CARBON STEEL	
16A	NAME PLATE	1	STAINLESS STEEL	
16B	LEV PLATE	1	STAINLESS STEEL	
19	GASKET	1	(2)	
30	BODY SEAT RING	2	CARBON STEEL+HF (4)	
33	BONNET NUT	1S	CARBON STEEL	A194 Gr. 2H
34	GLAND NUT	2	CARBON STEEL	
35	BONNET BOLT	1S	ALLOY STEEL	A193 Gr. B7
36	GLAND BOLT	2	CARBON STEEL	
38	BONNET BUSH	1	STAINLESS STEEL	403SS
39	SET SCREW	1	CARBON STEEL	
41	GLAND BOLT PIN	2	STAINLESS STEEL	
42	YOKE SLEEVE	1	DUCTILE NI-RESIST	
46	GLAND FLANGE	1	CAST STEEL	
61	YOKE	1	CAST STEEL	
62	YOKE NUT	8	CARBON STEEL	
63	YOKE BOLT	4	ALLOY STEEL	
74	BUSHING	1	STAINLESS STEEL	403SS
76	THRUST BEARING	2	BEARING STEEL	
77	SLEEVE NUT	1	STAINLESS STEEL	
122	GREASE NIPPLE	1	CARBON STEEL	

DIMENSIONS

UNIT: mm

NOMINAL SIZE		END FLANGE														
NPS	DN	d	H	D1	L	l	BOLT HOLE			BOLT SIZE	g	t	f	APPROX. MASS (kg)		
							D	C	NO.						h	
1.1/2	40	40	413	200	190	64	156	114.5	4	22	3/4	73	20.7	1.6	24	
2	50	50.5	413	200	216	64	165	127	8	19	5/8	92	22.4	1.6	27	
2.1/2	65	65	456	200	241	76	190	149	8	22	3/4	105	25.4	1.6	35	
3	80	80	530	250	283	95	210	168	8	22	3/4	127	28.6	1.6	49	
4	100	101	618	250	305	118	254	200	8	22	3/4	157	31.8	1.6	72	
6	150	151	793	350	403	169	318	270	12	22	3/4	216	36.6	1.6	138	
8	200	203	1014	400	419	221	381	330	12	25	7/8	270	41.3	1.6	216	
10	250	254	1216	450	457	275	444	387.5	16	29	1	324	47.8	1.6	332	
12	300	305	1458	600	502	325	521	451	16	32	1.1/8	381	50.8	1.6	479	
14	350	337	1563	600	762	368	584	514.5	20	32	1.1/8	413	54.0	1.6	700	
16	400	387	1766	680	838	416	648	571.5	20	35	1.1/4	470	57.2	1.6	890	
18	450	432	1932	680	914	461	711	628.5	24	35	1.1/4	533	60.5	1.6	1100	
20	500	483	2137	760	991	518	775	686	24	35	1.1/4	584	63.5	1.6	1312	
24	600	584	2542	910	1143	618	914	813	24	41	1.1/2	692	69.9	1.6	2150	

NOTE (1) VALVE SIZE IDENTIFICATION. (5) THIS IS A REPRESENTATIVE DRAWING. CHANGE OF SHAPE WHICH WILL NOT AFFECT THE VALUES IN THE DIMENSION TABLE, OR RIBS AND BOSSES WHICH WILL NOT AFFECT THE VALVE INSTALLATION MAY NOT BE SHOWN IN THIS DRAWING.

(2) FLEXIBLE GRAPHITE SPIRAL WOUND.

(3) PIPE CONNECTION DIMENSIONS SHALL BE INDICATED IN DIMENSIONS IN MILLIMETERS CONVERTED FROM DIMENSIONS IN INCHES ACCORDING TO ASME B16.5.

(4) Co-Cr-W ALLOY.

			1S=1 SET
STANDARD	FACE TO FACE OR END TO END	ASME B16.10	CLASS 300
	END CONNECTION	ASME B16.5	CLASS 300 (3)
	WALL THICKNESS	API 600	CLASS 300
	PRESSURE TEST	API 598	
	PRODUCT CODE	(PHTR) 300SCLS	
	FIGURE	300SCLS<Z0P02>	
LOW EMISSION VALVES level-I (Max100ppm.)			
CLASS 300 CAST STEEL			
GATE VALVES			
BOLTED BONNET, OUTSIDE SCREW & YOKE, FLANGED ENDS.			
DATE APPD	SEP.25.'18	DRAWING NO	
APPD BY	H. NAKAGAWA		
CHKD BY	K. NAKAMURA	951-B20079	
DSGND BY	K. HAYASHI	REV-02	
DRAWN BY	M. TANAKA		
		MARK	DATE BY



**KITZ CORPORATION**