



DIMENSIONS.

UNIT: mm

NOMINAL SIZE		END FLANGE											APPROX. MASS (kg)
in.	mm	d	H	L	D	BOLT HOLE			BOLT SIZE	g	t	f	
						c	NO.	h					
1.1/2	40	40	135	165	127	98.5	4	16	1/2	73	14.3	1.6	9.6
2	50	50.5	152	203	152	120.5	4	19	5/8	92	15.9	1.6	18
2.1/2	65	65	170	216	178	139.5	4	19	5/8	105	17.5	1.6	23
3	80	80	180	241	190	152.5	4	19	5/8	127	19.1	1.6	27
4	100	101	200	292	229	190.5	8	19	5/8	157	23.9	1.6	45
5	125	125	235	330	254	216	8	22	3/4	186	23.9	1.6	61
6	150	151	250	356	279	241.5	8	22	3/4	216	25.4	1.6	74
8	200	203	295	495	343	298.5	8	22	3/4	270	28.6	1.6	120
10	250	254	334	622	406	362	12	25	7/8	324	30.2	1.6	193
12	300	305	368	698	483	432	12	25	7/8	381	31.8	1.6	276
14	350	337	415	787	533	476.5	12	29	1	413	35.0	1.6	430
16	400	387	460	864	597	539.5	16	29	1	470	36.6	1.6	506
18	450	438	510	978	635	578	16	32	1.1/8	533	39.7	1.6	647
20	500	489	583	978	698	635	20	32	1.1/8	584	42.9	1.6	843
24	600	591	630	1295	813	749.5	20	35	1.1/4	692	47.7	1.6	1300

NOTE (1) VALVE SIZE (inch) IDENTIFICATION.  
 (2) SIZE 1.1/2-12 METAL CORRUGATED GASKET WITH FLEXIBLE GRAPHITE EXCEPT FOR SIZE 5. SIZE 5&14-24 STAINLESS FOIL INSERTED FLEXIBLE GRAPHITE.  
 (3) Co-Cr-W ALLOY.  
 (4) STAINLESS FOIL INSERTED FLEXIBLE GRAPHITE.

NO	NAME OF PARTS	QTY	MATERIALS	SPECIFICATIONS
1	BODY	1	CAST STEEL	SCPH2 / A216 Gr. WCB
2	COVER	1	CARBON STEEL OR CAST STEEL	SFVC2A / A105 OR SCPH2 / A216 Gr. WCB
4	DISC	1	STAINLESS STEEL OR CAST STEEL	A182 Gr. F6a OR A217 Gr. CA15 OR A216 Gr. WCB+13CR (SIZE 1 1/2-4)
		1	STAINLESS STEEL OR CAST STEEL	A182 Gr. F6a OR A216 Gr. WCB+13CR (SIZE 5-6)
		1	CAST STEEL	A216 Gr. WCB+13CR (SIZE 8-24)
13	DISC NUT	1	STAINLESS STEEL	A194 Gr. 8
14	SPLIT PIN	1	STAINLESS STEEL	A276 TYPE304
16A	NAME PLATE	1	ALUMINUM	
16B	WASHER	1	CARBON STEEL	
17	HINGE PIN	1	STAINLESS STEEL	A276 TYPE403
18	PLUG	1	CARBON STEEL	A576 Gr. 1045
19	GASKET	1	(2)	
30	BODY SEAT RING	1	CARBON STEEL+HF (3)	
33	COVER NUT	1S	CARBON STEEL	A194 Gr. 2H
34	COVER HINGE NUT	4	CARBON STEEL	A194 Gr. 2H
35	COVER BOLT	1S	ALLOY STEEL	A193 Gr. B7
36	COVER HINGE BOLT	4	ALLOY STEEL	A193 Gr. B7
44	GASKET	1	(4)	
46	COVER HINGE	1	CARBON STEEL	A105
69	ARM	1	CARBON STEEL OR CAST STEEL	A105 OR A216 Gr. WCB
70	WASHER	1	STAINLESS STEEL	A276 TYPE403 OR A276 TYPE316
75	EYE BOLT	1	CARBON STEEL	A105

1S=1 SET

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

150SC05

CLASS 150 CAST STEEL  
 SWING CHECK VALVES

BOLTED COVER, FLANGED ENDS.

DATE APPD	SEP.27.'12	DRAWING NO	△		
APPD BY	I. TAKANO	953-B10016	△		
CHKD BY	K. NAKAMURA		△		
DSGND BY	Y. YAMASHITA		△		
DRAWD BY	Y. KOBASHI		△		
		REV-11	MARK	DATE	BY

KITZ CORPORATION