



SUPPLY AIR PRESSURE	MPa
STANDARD PRESSURE	0.4

DIMENSIONS

NOMINAL SIZE	NPS	DN	d	H	H1	L	L1	END FLANGE						ACTUATOR SIZE	APPROX. MASS (kg)	
								BOLT HOLE		BOLT SIZE	g	t	f			D
1/2	15	15	225	155	108	42	89	60.5	4					16	1/2	
3/4	20	20	228	158	117	47	98	70	4	16	1/2	43	11.2	1.6	1	4.6
1	25	25	235	165	127	50	108	79.5	4	16	1/2	51	11.2	1.6	1	5.8
1.1/2	40	40	297	217	165	67	127	98.5	4	16	1/2	73	14.3	1.6	2	11
2	50	50	304	224	178	74	152	120.5	4	19	5/8	92	15.9	1.6	2	14
2.1/2	65	65	345	259	190	85	178	139.5	4	19	5/8	105	17.5	1.6	3	22
3	80	80	413	305	203	95	190	152.5	4	19	5/8	127	19.1	1.6	4	33
4	100	100	436	328	229	110	229	190.5	8	19	5/8	157	23.9	1.6	4	46
5	125	125	520	388	356	178	254	216	8	22	3/4	186	23.9	1.6	5	74
6	150	150	545	413	394	197	279	241.5	8	22	3/4	216	25.4	1.6	5	97
8	200	200	628	476	457	228.5	343	298.5	8	22	3/4	270	28.6	1.6	6	151

NOTE
 (1) VALVE SIZE IDENTIFICATION, EITHER SCS13A OR S13A IS INDICATED.
 (2) EITHER SCS13A OR S13A IS INDICATED.
 (3) PIPE CONNECTION DIMENSIONS SHALL BE INDICATED IN DIMENSIONS IN MILLIMETERS CONVERTED FROM DIMENSIONS IN INCHES ACCORDING TO ASME B16.5.

NO	NAME OF PARTS	QTY	MATERIALS	SPECIFICATIONS
1	BODY	1	STAINLESS STEEL	SCS13A
2	BODY CAP	1	STAINLESS STEEL	SCS13A
3	STEM	1	STAINLESS STEEL	SUS304
4	BALL	1	STAINLESS STEEL	SUS304 OR SCS13A
7A	GLAND	1	STAINLESS STEEL	SCS13A
7B	GLAND	1	STAINLESS STEEL	SUS304
8	GLAND PACKING	1S	PTFE	
16A	NAME PLATE	1	ALUMINUM	A1050P
16B	WASHER	1	CARBON STEEL	SS400
19	GASKET	1	PTFE	
20	PACKING WASHER	1	STAINLESS STEEL	SUS316L (UP TO SIZE 1)
30	BALL SEAT	2	HYPATITE PTFE	
33	CAP NUT	1S	STAINLESS STEEL	A194 Gr.8
34A	GLAND NUT	1S	STAINLESS STEEL	
34B	NUT	1S	STAINLESS STEEL	
35	CAP BOLT	1S	STAINLESS STEEL	A193 Gr. B8 CL2
36	GLAND BOLT	1S	STAINLESS STEEL	
47	THRUST WASHER	1	G/F PTFE	(SIZE 4 & OVER)
67	STEM BEARING	1	G/F PTFE	
92	CONNECTOR	1	STAINLESS STEEL	SCS13A OR SUS304
93	BRACKET	1	DUCTILE IRON	FCD450-10
94	BOLT	1S	STAINLESS STEEL	SUS304
96	PNEUMATIC ACTUATOR	1		
99	SET BOLT	1S	STAINLESS STEEL	SUS304 (SIZE 3 & OVER)
124A	SPRING & PIN	1S	STAINLESS STEEL	SUS316-WPA & SUS316 (SIZE 2.1/2 & OVER)
124B	SPRING	1	STAINLESS STEEL	SUS316-WPA (UP TO SIZE 2)
145	SPRING WASHER	4	STAINLESS STEEL	SUS304-CSP
155	SPACER	1	CARBON STEEL	SS400 (SIZE 1.1/2 & OVER)

STANDARD	FACE TO FACE OR END TO END		ASME B16.10	CLASS 150
	END CONNECTION		ASME B16.5	CLASS 150 (3)
	WALL THICKNESS		ASME B16.34	CLASS 150
	PRESSURE TEST		API 598	
FIGURE			FA-150UTB	

CLASS 150 CAST STAINLESS STEEL BALL VALVES
 WITH PNEUMATIC ACTUATOR

ANTI-STATIC DEVICE, FULL BORE, FLANGED ENDS.

DATE APPD	JAN.26.'15	DRAWING NO	△		
APPD BY	T. KOYANAGI	965-F50150	△		
CHKD BY	K. NAKAI		△		
DSGND BY	Y. INOUE		△		
DRAWN BY	T. TONOKORO		REV-08	MARK	DATE

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