



SUPPLY AIR PRESSURE	MPa
STANDARD PRESSURE	0.4

DIMENSIONS

UNIT: mm

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NOMINAL SIZE	END FLANGE														ACTUATOR SIZE	APPROX. MASS (kg)
	NPS	DN	d	H	H1	L	L1	D	BOLT HOLE		BOLT SIZE	g	t	f		
1/2	15	15	225	155	108	42	89	60.5	4	16	1/2	35	11.2	1.6	1	4.7
3/4	20	20	228	158	117	47	98	70	4	16	1/2	43	11.2	1.6	1	5.0
1	25	25	258	178	127	50	108	79.5	4	16	1/2	51	11.2	1.6	2	8.3
1.1/2	40	40	313	227	165	67	127	98.5	4	16	1/2	73	14.3	1.6	3	15
2	50	50	343	235	178	74	152	120.5	4	19	5/8	92	15.9	1.6	4	24
2.1/2	65	65	404	296	190	85	178	139.5	4	19	5/8	105	17.5	1.6	4	32
3	80	80	468	336	203	95	190	152.5	4	19	5/8	127	19.1	1.6	5	49
4	100	100	500	368	229	110	229	190.5	8	19	5/8	157	23.9	1.6	5	64
5	125	125	549	397	356	178	254	216	8	22	3/4	186	23.9	1.6	6	111
6	150	150	574	422	394	197	279	241.5	8	22	3/4	216	25.4	1.6	6	133

PNEUMATIC ACTUATOR TYPE: FAS-	PNEUMATIC ACTUATOR TYPE: FAS-					
	SIZE	E1	E2	W1	W2	(2) P2
1	132	87	50	54	Rc1/4	Rc1/8
2	166	107	54	70	Rc1/4	Rc1/8
3	203	128	57	87	Rc1/4	Rc1/8
4	290	160	68	111	Rc1/4	Rc1/8
5	363	208	78	135	Rc1/4	Rc1/8
6	483	268	101	178	Rc1/4	Rc1/8

NOTE (1) VALVE SIZE IDENTIFICATION.  
 (2) SCREW SIZE IDENTIFICATION OF ELBOW.  
 (3) EITHER SCS13A OR S13A IS INDICATED.  
 (4) 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	1S		
99	SET BOLT	1S	STAINLESS STEEL	SUS304 (SIZE 2.1/2 & 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, 2.1/2 & OVER)

STANDARD	FACE TO FACE OR END TO END	ASME B16.10	CLASS 150
	END CONNECTION	ASME B16.5	CLASS 150 (4)
	WALL THICKNESS	ASME B16.34	CLASS 150
	PRESSURE TEST	API 598	

FIGURE FAS-150UTB

**CLASS 150 CAST STAINLESS STEEL BALL VALVES**  
 WITH PNEUMATIC ACTUATOR  
 SPRING RETURN

ANTI-STATIC DEVICE, FULL BORE, FLANGED ENDS.

DATE APPD	JAN.26.'15	DRAWING NO	
APPD BY	T. KOYANAGI		
CHKD BY	K. NAKAI	965-F50152	
DSGND BY	Y. INOUE	REV-08	
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