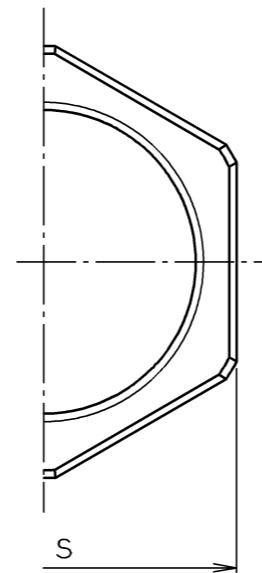
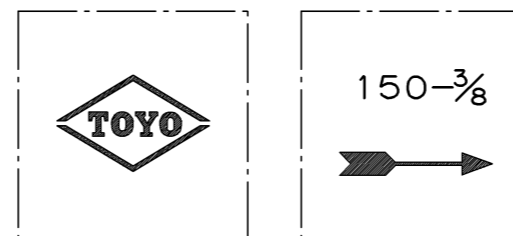


SIZES $\frac{3}{8}$ to 1

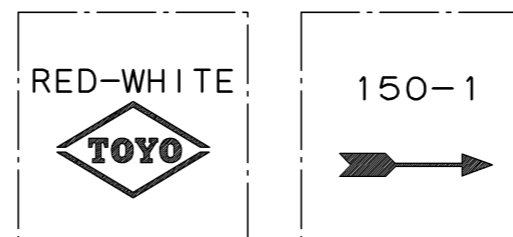


DIMENSIONS UNIT: mm

SIZE		d	d1	H	L	S	MASS (Kg)	Q'ty
A	B							
10	$\frac{3}{8}$	Rc $\frac{3}{8}$	13.5	26	44	23	0.13	
15	$\frac{1}{2}$	Rc $\frac{1}{2}$	13.5	28	53	28	0.19	
20	$\frac{3}{4}$	Rc $\frac{3}{4}$	19.0	34	65	35	0.35	
25	1	Rc 1	24.0	42	77	43	0.56	
32	$1\frac{1}{4}$	Rc $1\frac{1}{4}$	32.0	50	85	52	0.83	
40	$1\frac{1}{2}$	Rc $1\frac{1}{2}$	37.0	56	100	59	1.15	
50	2	Rc 2	48.5	67	119	72	1.92	
65	$2\frac{1}{2}$	Rc $2\frac{1}{2}$	60.0	79	139	88	2.79	
80	3	Rc 3	69.0	91	158	105	4.12	



SIZE $\frac{3}{8}$



SIZES $\frac{1}{2}$ to 3
BODY MARKING

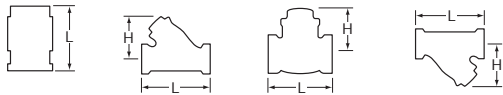
4	DISC	CAST BRONZE	B584-C84400
2	CAP	CAST BRONZE <small>SIZE $2\frac{1}{2}$ & 3</small>	B584-C84400
		FORGED BRASS <small>SIZE $\frac{3}{8}$ to 2</small>	B283-C37700
1	BODY	CAST BRONZE	B584-C84400
No.	PART	MATERIAL (ASTM)	

FACE TO FACE OR END TO END MAKER'S STANDARD	CLASS 150 CAST BRONZE SCREWD END LIFT CHECK VALVE
END CONNECTION JIS B0203	
WALL THICKNESS MAKER'S STANDARD	
PRESSURE TEST MAKER'S STANDARD	





APP'D	K.Kobayashi	FIGURE	PRODUCT CODE		
CHK'D	H.Fuseya	150E-BN-N	230A		
CHK'D	M.Mochizuki	DRAWING No.	△		
PREP'D	K.Kohama	T1211S016 △			
DATE	JUL.31.'15		MARK	DATE	BY



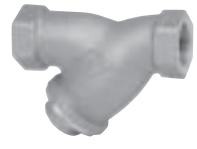


Toyo Valve Co., Ltd.



Bronze Valves

Design	TOYO Standard	MSS SP-80								
Type	Lift Check Valve	Swing Check Valves								
Class		125								
		150								
										
Fig.	231	236A		236T		234		230A		
Size	L	L	H	L	H	L	H	L	H	
8 (mm) 1/4"		54	40	54	40					
10 3/8"		54	40	54	40	53	39	44	26	
15 1/2"	53	56	40	56	40	60	39	53	28	
20 3/4"	59	70	49	70	49	70	45	65	34	
25 1"	67	80	58	80	58	80	52	77	42	
32 1 1/4"	78	95	71	95	71	92	62	85	50	
40 1 1/2"	84	110	80	110	80	102	67	100	56	
50 2"	98	128	95	128	95	122	79	119	67	
65 2 1/2"		156	119	156	114	150	91	139	79	
80 3"		184	139	184	131	165	102	158	91	
100 4"										
Material	Body	Bronze		Bronze		Bronze		Bronze		
	Pin	-		Brass		Brass		Brass		
	Disc	FKM		Brass or Bronze		PTFE		Brass		
Service conditions	1.37MPa (200psi) WOG non-shock 0.86MPa (125psi) Saturated steam								2.06MPa (300psi) WOG non-shock 1.03MPa (150psi) Saturated steam	
Remarks	ASME taper threads only, Spring loaded				PTFE seat		BS/JIS taper threads only			

Design	MSS SP-80	TOYO Standard					
Type	Swing Check Valve	Swing Check Valve				Strainer	
Class	150	300				150	
							
Fig.	238	360				380A	
Size	L	H	L	H	L	H	
8 (mm) 1/4"							
10 3/8"	54	39					
15 1/2"	60	39	60	42	80	49	
20 3/4"	72	49	72	51	100	57	
25 1"	84	58	84	61	115	70	
32 1 1/4"	99	70	99	74	135	82	
40 1 1/2"	113	79	113	83	160	98	
50 2"	131	95	131	98	195	121	
65 2 1/2"	162	114			230	148	
80 3"	186	132			240	180	
100 4"							
Material	Body	Bronze		Bronze		Bronze	
	Pin	Brass		Brass		Screen	SUS304
	Disc	Bronze		Bronze			
Service conditions	2.06MPa (300psi) WOG non-shock 1.03MPa (150psi) Saturated steam		4.13MPa (600psi) WOG non-shock 2.06MPa (300psi) Saturated steam		1.72MPa (250psi) WOG non-shock 1.03MPa (150psi) Saturated steam		
Remarks					Perforated screen equivalent to 14-16 meshes		