

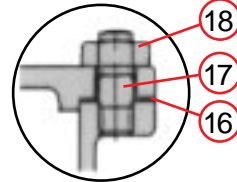
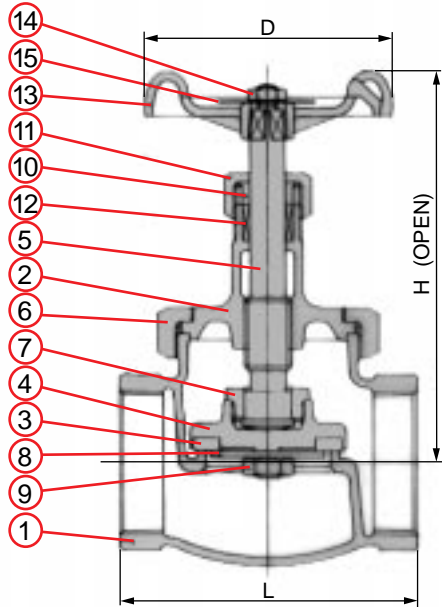
RED-WHITE



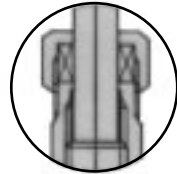
150 - POUND BRONZE GLOBE VALVES

Union bonnet, swivel type disc holder, renewable Teflon* disc, screwed ends.

MSS Specification Valves



Bolted bonnet for sizes 2 1/2 to 4



Stuffing box construction for sizes 3/8 to 3/4



Disc construction for sizes 3/8 to 1

WORKING PRESSURES

Size	Working Pressure Non-shock		Test pressure	
	Saturated steam	Cold water, Oil, Gas	Shell (Water)	Seat (Air)
1/4 to 3	Psig 150	300	450	80
	Bar 10.3	20.7	31.0	5.5
4	Psig 150	225	450	80
	Bar 10.3	15.5	31.0	5.5

Note:

1. Stem materials are as follows: ASTM B21-C47940 applied to British standard pipe threaded valves. ASTM B505-C83600 applied to American pipe threaded end valves.
2. End threads conform to the American or British standard pipe threads.
3. These valves conform to the requirements of MSS SP80.

*Design & materials are subject to change without notice.

M A T E R I A L S			
No.	Name of parts	ASTM specification	
1	Body	Cast bronze	B62-C83600
2	Bonnet	3/8 - 3/4	Forged brass B124-C37700
		1 - 3	Cast bronze B62-C83600
3	Disc	Teflon*	
4	Disc holder	3/8 - 1 1/4	Forged brass B283-C37700
		3	Cast bronze B62-C83600
5	Stem	Copper alloy rod*	
6	Union nut	3/8 - 1	Forged brass B283-C37700
		1 1/4 - 3	Cast bronze B62-C83600
7	Lock nut	1 1/4 - 3	Brass rod B16-C36000
8	Seat holder	1 1/4 - 3	Brass plate B36-C26000
9	Disc nut	Brass rod	B16-C36000
10	Gland	3/4 - 3	Forged brass B124-C37700
11	Packing nut	3/8 - 2 1/2	Forged brass B283-C37700
		3	Cast bronze B62-C83600
12	Gland packing	Non-asbestos packings	T#2996-NA
13	Hand wheel	Die casting	B85-A03840
14	Wheel nut	Steel (Zinc plated)	A563 Gr.A
15	Name plate	Aluminum plate	B209-1100
16	Gasket	Non-asbestos joint sheet	T#1995
17	Bonnet stud	Steel (Zinc plated)	A307 Gr.A
18	Bonnet stud nut	Brass rod	B16-C36000

*Toyo's patented corrosion resistant material.

*DuPont's tradename

D I M E N S I O N S											
size (in.)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
L	58	58	62	72	82	92	106	125	170	200	245
mm/in	2.28	2.28	2.44	2.83	3.23	3.62	4.17	4.92	6.69	7.87	9.65
H	104	104	98	120	130	152	169	193	252	280	347
mm/in	4.09	4.09	3.86	4.72	5.12	5.98	6.65	7.60	9.94	11.02	13.66
D	63	63	70	80	80	90	100	110	125	140	160
mm/in	2.48	2.48	2.76	3.15	3.54	3.94	4.33	4.92	5.51	6.30	7.87
Weight	0.93	0.93	0.90	1.43	2.01	3.11	4.61	7.01	17.28	25.75	55.34
lb/kg	0.42	0.42	0.41	0.65	0.91	1.41	2.09	3.18	7.84	11.68	25.10

Toyo Valve Co., Ltd.