

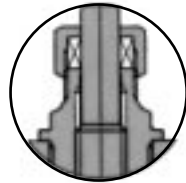
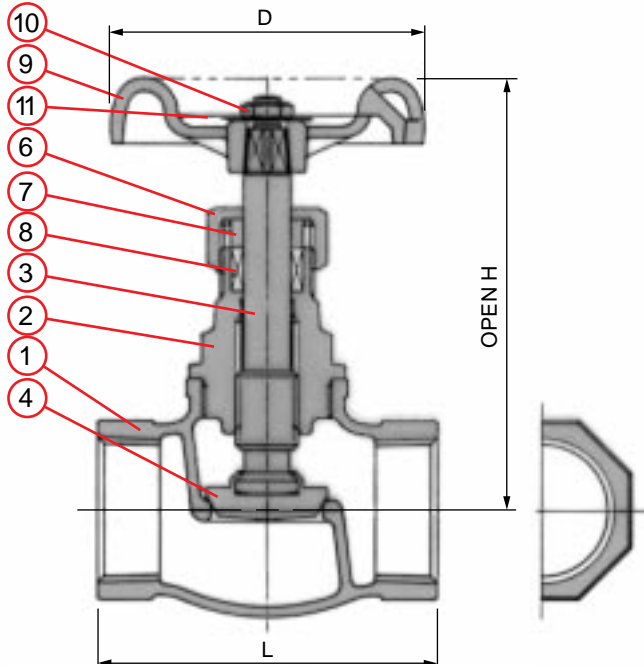
RED-WHITE



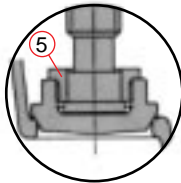
# 125 - POUND BRONZE GLOBE VALVES

Screwed bonnet, swivel type metal disc, screwed ends.

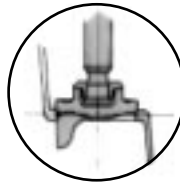
MSS Specification Valves



Stuffing box construction  
for sizes 1/4 to 3/4



Disc construction  
for sizes 1 1/4 to 2 1/2



Disc construction  
for sizes 3 to 4

### WORKING PRESSURES

Size	Working Pressure Non-shock		Test pressure	
	Saturated steam	Cold water, Oil, Gas	Shell (Water)	Seat (Gas)
1/4 to 3	Psig 125	200	300	80
	Bar 8.6	13.8	20.7	5.5
4	Psig 125	175	250	80
	Bar 8.6	12.1	17.2	5.5

**Note:**

1. End threads conform to the American or British standard pipe threads.
2. These valves conform to the requirements of MSS SP-80.

\*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	1/4 & 3/8	Forged brass B124-C37700
		1/2 - 2	Forged brass B283-C37700
		2 1/2 - 4	Cast bronze B62-C83600
3	Stem	Copper alloy rod*	B21-C47940
4	Disc	1/4 - 1 1/2	Copper alloy rod*
		2-4	Cast bronze B62-C83600
5	Lock nut	1 1/4 - 2	Brass rod B16-C36000
		2 1/2 & 3	Forged brass B124-C37700
		4	Cast bronze B62-C83600
6	Packing nut	1/4 - 2 1/2	Forged brass B283-C37700
		3 & 4	Cast bronze B62-C83600
7	Gland	1 - 4	Forged brass B124-C37700
8	Gland packing	Non-asbestos packings T#2996-NA	
9	Handwheel	1/4 - 1/2	Zinc alloy die casting B86-Z33520
		3/4 - 3	Aluminum alloy die casting
		4	Ductile iron A563 Gr. 65-45-12
10	Wheel nut	Steel (Zinc plated) A563 Gr. A	
11	Name plate	Aluminum plate B209-1100	

\* Toyo's patented corrosion resistant material.

### 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	42	46	55	65	76	85	98	115	132	150	185
mm/in	1.65	1.81	2.17	2.56	2.99	3.35	3.86	4.53	5.20	5.91	7.28
H	67	74	77	89	110	131	144	167	219	245	302
mm/in	2.64	2.91	3.03	3.50	4.33	5.16	5.67	6.57	8.62	9.65	11.89
D	48	55	55	63	70	80	90	100	125	140	180
mm/in	1.89	2.17	2.17	2.48	2.76	3.15	3.54	3.94	4.92	5.51	7.09
Weight	0.42	0.51	0.64	0.95	1.48	2.27	3.17	5.05	9.59	13.22	28.62
lb/kg	0.19	0.23	0.29	0.43	0.67	1.03	1.44	2.29	4.35	6.00	12.98

**Toyo Valve Co., Ltd.**