

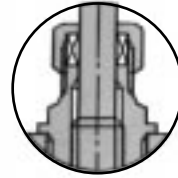
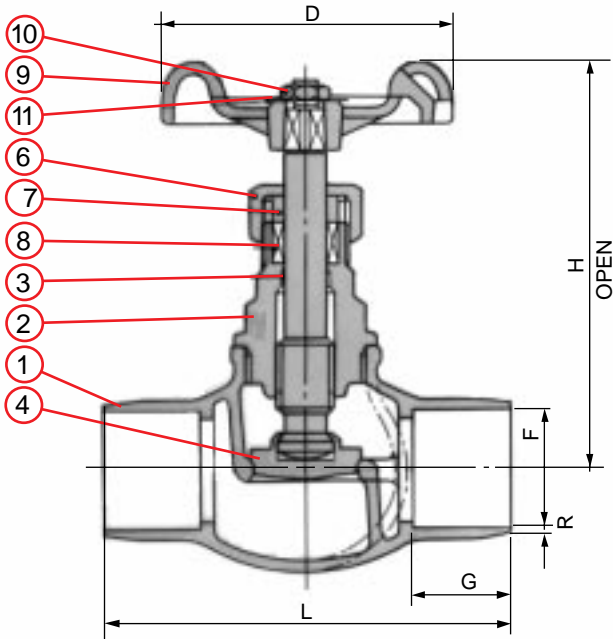
RED-WHITE



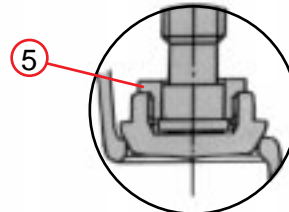
125 - POUND BRONZE GLOBE VALVES

Screwed bonnet, swivel type metal disc, solder-joint ends.

MSS Specification valves



Bonnet construction for sizes 3/8 to 3/4



Disc construction for sizes 1 1/4 to 2



D I M E N S I O N S							
size/in	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L	53	65	85	98	110	128	152
mm/in	2.09	2.56	3.35	3.86	4.33	5.04	5.98
H	74	81	98	130	144	167	191
mm/in	2.91	3.19	3.86	5.12	5.67	6.57	7.52
D	55	55	63	70	80	90	100
mm/in	2.17	2.17	2.48	2.76	3.15	3.54	3.94
F (max.)	12.85	16.03	22.38	28.75	35.10	41.48	54.18
mm/in	0.506	0.631	0.881	1.132	1.382	1.663	2.133
F (min.)	12.75	15.93	22.28	28.65	35.00	41.35	54.05
mm/in	0.502	0.627	0.877	1.128	1.378	1.628	2.128
G (min.)	9.5	12.5	19.0	23.0	24.5	28.0	34.0
mm/in	0.38	0.50	0.75	0.91	0.97	1.09	1.34
R	1.3	1.3	1.5	1.8	1.8	2.0	2.3
mm/in	0.05	0.05	0.06	0.07	0.07	0.08	0.09
Weight	0.49	0.62	1.06	1.79	2.40	3.70	5.64
lb/kg	0.22	0.28	0.48	0.81	1.09	1.68	2.56

Note:

- Dimensions of solder-joint end conform to ANSI B16.18-1984.
- The maximum recommended pressure-temperature ratings for solder-joints made with copper tube and copper alloy fittings, using representative commercial solders are listed in the table above.
- The safe working pressure-temperature rating for a solder-joint piping system is dependent, not only on fitting and tube strength, but also on the composition of the solder used for joints.
- These valves conform to the requirements of MSS SP-80.
- Packing washer is inserted at bottom of stuffing box, but not shown in this drawing.

*Design and materials are subject to change without notice.

P R E S S U R E - T E M P E R A T U R E R A T I N G S								
Joining materials	Working temperature		Maximum working gage pressure				Test pressure	
	°F	°C	1/8 thru 1		1 1/4 thru 2		Shell	Shell
ASTM B32 Alloy Grade 50A	100	38	200	14	175	12	(Water)	(Air)
	150	66	150	10	125	9		
	200	93	100	7	90	6		
	250	120	85	6	75	5		
ASTM B32 Alloy Grade 95TA	100	38	400	28	400	28	300 psig (20.7 Bar)	80 psig (5.5 Bar)
	150	66	400	28	350	24		
	200	93	300	20	250	17		
	250	120	200	14	175	12		

M A T E R I A L S			
No.	Name of parts	ASTM specification	
1	Body	Cast bronze	B62-C83600
2	Bonnet	Forged brass	B124-C37700
3	Stem	Copper alloy rod*	B21-C37840
4	Disc	3/8 - 1 1/2	Copper alloy rod*
		2	Cast bronze
4	Lock nut	1 1/4 - 2	Brass rod
6	Packing nut		Forged brass
7	Gland		Forged brass
8	Gland packing		Non-asbestos packings
9	Hand wheel	3/8 & 1/2	Zinc alloy die casting
		3/4 - 2	Aluminum alloy die casting
10	Wheel nut		Steel (Zinc plated)
11	Name plate		Aluminum plate

* Toyo's patented corrosion resistant material.