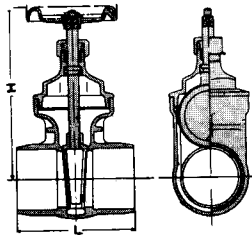
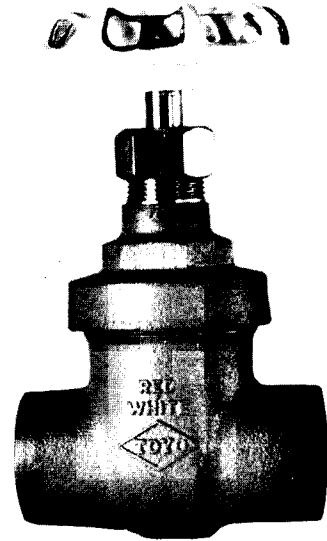
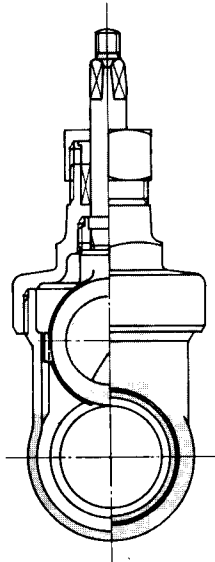
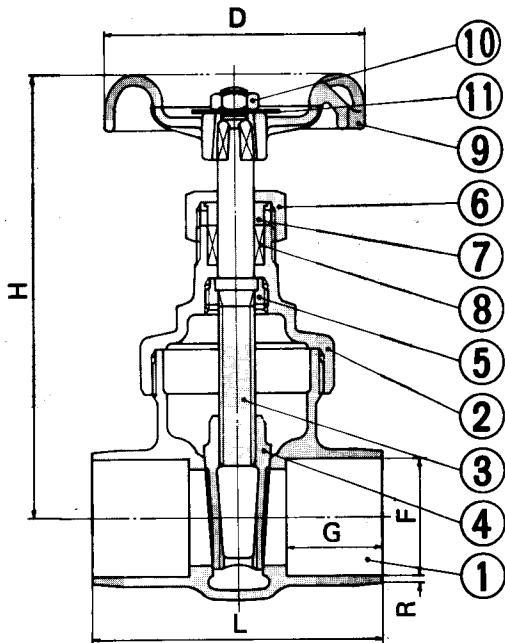


RED-WHITE



# 125-POUND BRONZE GATE VALVES

Non-rising stem, screw-over bonnet, solid wedge disc, solder-joint ends.



Bonnet construction for sizes 2 1/2 to 4

### Pressure-Temperature Ratings

Joining Material	Working Temperature		Maximum Working Gage Pressure						Test Pressure	
	°F	°C	1/8 thru 1		1/4 thru 2		2 1/2 thru 4		Shell	Seat
ASTM B32 Alloy Grade 50A	100	38	200	14	175	12	150	10	Water	Air
	150	66	150	10	125	9	100	7		
	200	93	100	7	90	6	75	5		
	250	120	85	6	75	5	50	3		
ASTM B32 Alloy Grade 95TA	100	38	500	35	400	28	300	20	300 psig (20.7 Bar)	80 psig (5.5 Bar)
	150	66	400	28	350	24	275	19		
	200	93	300	20	250	17	200	14		
	250	120	200	14	175	12	150	10		

### Materials

No.	Name of Parts	ASTM Specifications	
1	Body	Cast bronze	B62-C83600
2	Bonnet	Cast bronze	B62-C83600
3	Stem	Copper alloy rod*	B21-C47940
4	Disc	Cast bronze	B62-C83600
5	Lock nut	Copper alloy rod*	B21-C47940
6	Packing nut 3/8-3/4	Forged brass	B21-C37700
7	Gland	Cast bronze	B62-C83600
8	Gland packing	Non-asbestos packing	T#2996-NA
9	Hand-wheel 3/8-3/4	Zinc alloy die casting	B86-Z33520
		Aluminum alloy die casting	B85-A03840
10	Wheel nut	Steel (Zinc plated)	A563
11	Name plate	Aluminum plate	B209-1100

\* Resist-Dezincification Material (Toyo copper alloy Pat. No. 845351)

### Dimensions

Mark	Size	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	
		L	in.	1.57	1.81	2.36	2.80	3.03	3.37	4.02	4.53	5.16
	mm	40	46	60	71	77	86	102	115	131	175	
H	in.	3.03	3.19	3.70	4.25	4.92	5.43	6.65	0.07	9.57	12.24	
	mm	77	81	94	108	125	138	169	205	243	311	
D	in.	1.89	1.89	2.17	2.48	2.76	3.15	3.54	3.94	4.92	6.30	
	mm	48	48	55	63	70	80	90	100	125	160	
F	Max.	in.	0.506	0.631	0.881	1.132	1.382	1.633	2.133	2.633	3.133	4.133
	mm	12.85	16.02	22.37	28.75	35.10	41.47	54.17	66.87	79.57	104.97	
	Min.	in.	0.502	0.627	0.877	1.128	1.378	1.628	2.128	2.628	3.128	4.128
	mm	12.75	15.93	22.28	28.66	35.01	41.36	54.06	66.76	79.46	104.86	
G	Min.	in.	0.38	0.50	0.75	0.91	0.97	1.09	1.34	1.47	1.66	2.16
	mm	9.7	12.7	19.1	23.2	24.7	27.7	34.1	37.5	42.0	55.0	
R	in.	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.10	0.11	0.13	
	mm	1.3	1.3	1.5	1.8	1.8	2.0	2.3	2.5	2.8	3.3	

### Weight

lbs.	0.49	0.55	0.82	1.12	1.63	2.31	3.75	6.48	9.68	23.04
kgs.	0.22	0.25	0.37	0.51	0.74	1.05	1.70	2.94	4.39	10.45

### Note:

- Dimensions of solder-joint ends 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.

\*Design and materials are subject to change without notice.