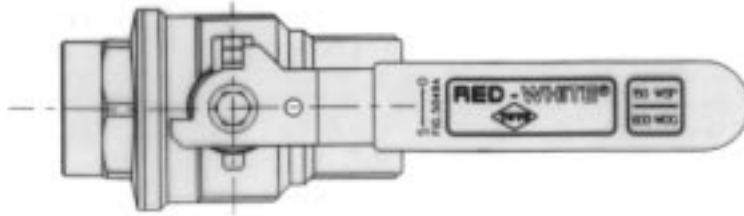


RED-WHITE

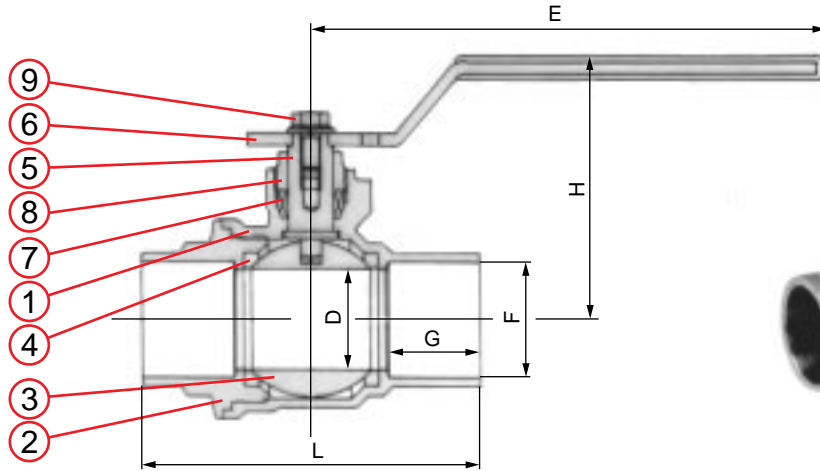


600 - POUND BRASS BALL VALVES

Full bore, 2- piece body, blowout-proof stem, solder-joint ends



MSS Specification Valves



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	2 1/2	3
L	48	66	80	84	99	115	140	169	196
mm/in	1.89	2.60	3.15	3.31	3.90	4.53	5.51	6.65	7.72
H	40	53.5	57	65	71	83	91	120	131
mm/in	1.57	2.11	2.24	2.56	2.80	3.27	3.58	4.72	5.16
E	82.5	92.5	92.5	128	128	143	143	284	284
mm/in	3.25	3.64	3.64	5.04	5.04	5.63	5.63	11.18	11.18
F (max)	12.85	16.02	22.37	28.74	35.09	41.46	54.16	66.86	79.56
mm/in	0.506	0.631	0.881	1.131	1.381	1.632	2.132	2.632	3.132
F (min)	12.76	15.93	22.28	28.65	35.00	41.36	54.06	66.76	79.46
mm/in	0.502	0.627	0.877	1.128	1.378	1.628	2.128	2.628	3.128
G	13.0	13.5	19.1	23.2	24.8	27.8	34.1	38.0	43.0
mm/in	0.51	0.53	0.75	0.91	0.98	1.09	1.34	1.50	1.69
D	10	15	20	25	32	40	50	65	78
mm/in	0.39	0.59	0.79	0.98	1.26	1.57	1.97	2.56	3.07

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	3/8 thru 1	1 1/4 thru 2	2 1/2 thru 3	Shell	Seat		
ASTM B32 Alloy Grade 50A	100	38	200	14	175	12	150	10	Water 900 psig (62.1 Bar) Air 80 psig (5.5 Bar)
	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	
	150	66	400	28	350	24	275	19	
	200	93	300	20	250	17	200	14	
	250	120	200	14	175	12	150	10	

⚠ Joining materials having a lead content in excess of 0.2% such as alloy grade 50A, are prohibited from use in potable water system.

Note:

- Dimensions of solder-joint end conform to ANSI B16.22-1980.
- The maximum recommended pressure-temperature rating 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 MSS SP-110.
- Memory stop is available on request. This ball valve with memory stop can be opened to the same pre-set position each time.

*Design and materials are subject to change without notice.

M A T E R I A L S			
No.	Name of parts	ASTM specification	
1	Body	Forged brass	B283-C37700
1	Cap	Forged brass	B283-C37700
2	Ball	1/2 - 1 1/4	Forged brass**
		1 1/2 - 3	Cast brass**
4	Seat	Teflon®	
5	Stem	Forged brass	B124-C37700
6	Lever handle	Steel*	A36
7	Gland packing	Teflon®	
8	Gland	Forged brass	B124-C37700
18	Handle bolt	Steel*	A36

®DuPont's tradename

*Zinc plated

**Hard chromium plated

Toyo Valve Co., Ltd.