

Bronze Globe Valves Illustrated Index



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Class 125 Bronze Globe Valves

Screw-in Bonnet • Integral Seat • Renewable Seat and Disc

125 PSI/8.6 Bar Saturated Steam to 353° F/178° C
200 PSI/13.8 Bar Non-Shock Cold Working Pressure♦

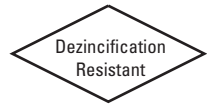
CONFORMS TO MSS SP-80

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	Zinc Plated Steel with Clear Chromate
2. Identification Plate	Aluminum
3. Handwheel	Malleable Iron ASTM A 47
4. Stem	Silicon Bronze ASTM B 371 Alloy C69400
5. Packing Gland	Bronze ASTM B 62 or ASTM B 584 Alloy C84400 or Brass ASTM B 16
6. Packing Nut	Bronze ASTM B 62 or ASTM B 584 Alloy C84400 or Brass ASTM B 16
7. Packing	Aramid Fibres with Graphite
8. Bonnet	Bronze ASTM B 62
9. Disc Holder Nut	Bronze ASTM B 140 Alloy C31400 or B 62
*10. Disc Holder	Bronze ASTM B 62
*11. Seat Disc	Water, Oil or Gas Steam (TFE) (Y)
*11a. Seat Disc	Bronze ASTM B 62 (B)
*12. Disc Nut	Bronze ASTM B 62
13. Body	Bronze ASTM B 62

Note: S-211 not available with (B) Disc.

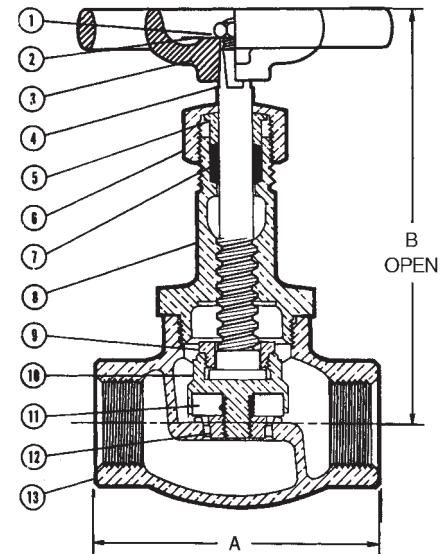
* The Bronze Disc does not require a Disc Nut. When converting from (B) Disc to (Y) Disc, order Disc Nut (12) and Disc Holder (10) and proper disc (11).



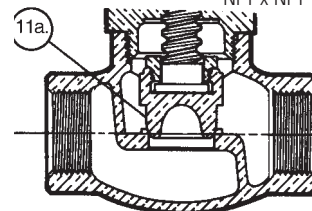
T-211
Threaded



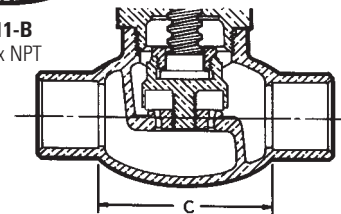
S-211
Solder



T-211-Y
NPT x NPT



T-211-B
NPT x NPT



S-211-Y
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions						T-211		S-211		Master Ctn. Qty.		
	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	T-211	S-211	
*1/8†	6	2.38	60	3.38	86	1.81	46	1.01	0.46	0.98	0.44	50	50
*1/4†	8	2.38	60	3.38	86	1.81	46	1.00	0.45	0.94	0.43	50	50
*3/8†	10	2.38	60	3.38	86	1.81	46	0.98	0.45	0.93	0.42	50	50
*1/2†	15	2.56	65	3.38	86	1.69	43	1.03	0.47	0.95	0.43	50	50
3/4	20	3.06	78	4.88	124	2.25	57	1.73	0.79	1.80	0.82	30	30
1	25	3.69	94	5.69	145	2.81	72	2.85	1.29	2.87	1.30	20	20
1 1/4	32	4.31	110	6.13	156	3.06	78	3.79	1.72	3.55	1.61	10	10
1 1/2	40	4.69	119	7.38	187	3.56	91	5.90	2.68	5.70	2.58	10	10
2	50	5.63	143	7.94	202	4.44	113	8.68	3.94	8.91	4.04	6	4
2 1/2	65	6.63	168	10.19	259	5.25	133	15.40	6.98	15.92	7.22	2	2
3	80	7.75	197	11.19	284	6.50	165	22.44	10.18	21.32	9.67	2	2

* Stem and Disc (or Disc Holder) are integral.

† No packing gland, packing only in these sizes.

Freezing Weather Precaution – Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 107.

Class 150 Bronze Globe Valves

Union Bonnet • Integral Seat • Renewable Seat and Disc

150 PSI/10.3 Bar Saturated Steam to 366° F/185° C
300 PSI/20.7 Bar Non-Shock Cold Working Pressure♦

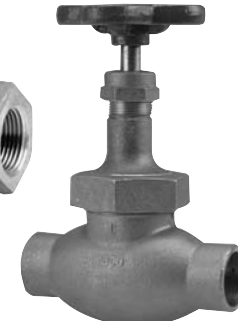
CONFORMS TO MSS SP-80

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	Zinc Plated Steel with Clear Chromate
2. Identification Plate	Aluminum
3. Handwheel	Malleable Iron ASTM A 47
4. Stem	Silicon Bronze ASTM B 371 Alloy C69400
5. Packing Gland	Bronze ASTM B 62 or ASTM B 584 Alloy C84400 or Brass ASTM B 16
6. Packing Nut	Bronze ASTM B 62 or ASTM B 584 Alloy C84400 or Brass ASTM B 16
7. Packing	Aramid Fibres with Graphite
8. Bonnet	Bronze ASTM B 62
9. Union Nut	Bronze ASTM B 62
10. Body	Bronze ASTM B 62
11. Disc Holder	Bronze ASTM B 62
12. Disc	Steam (TFE) (Y)
13. Disc Nut	Bronze ASTM B 62

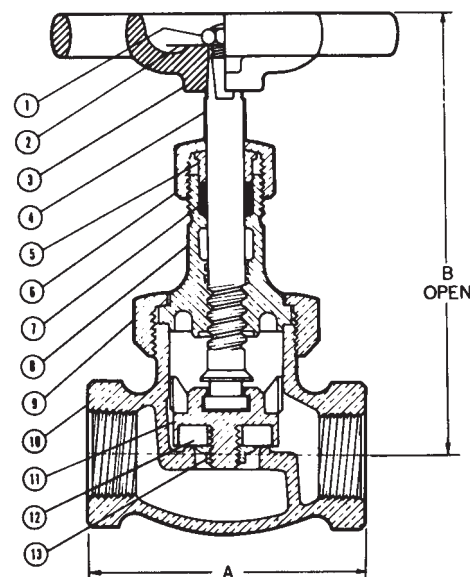


T-235-Y
Threaded

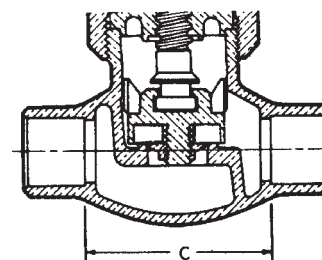


S-235-Y
Solder

Dezincification Resistant



T-235-Y
NPT x NPT



S-235-Y
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions						T-235-Y		S-235-Y		Master Ctn. Qty.		
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	T-235-Y
† 1/8	6	2.31	59	3.88	99	2.00	51	1.21	0.55	1.06	0.48	50	50
† 1/4	8	2.31	59	3.88	99	1.88	48	1.19	0.54	1.05	0.48	50	50
† 3/8	10	2.38	60	3.88	99	1.75	45	1.17	0.53	1.03	0.47	50	50
1/2	15	2.69	68	4.63	118	1.88	48	1.60	0.73	1.38	0.62	40	50
3/4	20	3.19	81	5.38	137	2.31	59	2.34	1.06	2.21	1.00	20	20
1	25	3.75	95	6.00	153	2.88	73	3.56	1.61	3.35	1.52	10	20
1 1/4	32	4.25	108	6.56	167	3.13	79	5.76	2.61	4.93	2.23	10	10
1 1/2	40	4.75	121	7.38	187	3.75	95	7.59	3.44	7.17	3.25	6	10
2	50	5.75	146	8.31	211	4.50	114	12.56	5.70	11.02	5.00	4	4
2 1/2	65	6.63	168	10.19	259	5.38	137	17.44	7.91	17.16	7.79	2	2
3	80	7.75	197	11.13	283	6.50	165	23.87	10.83	22.82	10.35	2	2

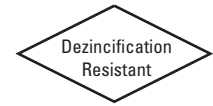
† No packing gland, packing only in these sizes.

Freezing Weather Precaution – Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 107.

Class 200 Bronze Globe Valves

Union Bonnet • Replaceable Seat and Full Plug Disc

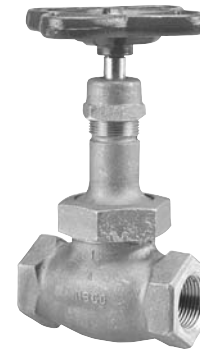


200 PSI/13.8 Bar Saturated Steam to 391° F/201° C
400 PSI/27.6 Bar Non-Shock Cold Working Pressure♦

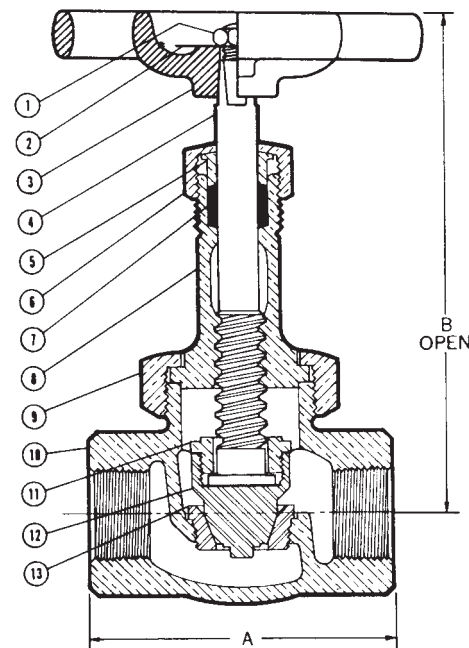
CONFORMS TO MSS SP-80

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	Zinc Plated Steel with Clear Chromate
2. Identification Plate	Aluminum
3. Handwheel	Malleable Iron ASTM A 47
4. Stem	Silicon Bronze ASTM B 371 Alloy C69400
5. Packing Gland	Bronze ASTM B 62 or ASTM B 584 Alloy C84400 or Brass ASTM B 16
6. Packing Nut	Bronze ASTM B 62 or ASTM B 584 Alloy C84400 or Brass ASTM B 16
7. Packing	Aramid Fibres with Graphite
8. Bonnet	Bronze ASTM B 61
9. Union Nut	Bronze ASTM B 61
10. Body	Bronze ASTM B 61
11. Disc Holder Nut	Bronze ASTM B 61
12. Plug Disc	S42000 Stainless Steel ASTM A 276 Hardened
13. Plug Seat Ring	S42000 Stainless Steel ASTM A 276 Hardened



T-256-AP
Threaded



T-256-AP
NPT x NPT
Full Plug

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions				T-256-AP		Master Ctn. Qty.	
	In.	mm.	In.	mm.	Lbs.	Kg.		
1/4	8	2.63	67	4.44	113	1.37	0.62	50
1/8	10	2.63	67	4.44	113	1.33	0.60	50
1/2	15	2.69	68	4.88	124	1.83	0.83	30
3/4	20	3.38	86	5.75	146	2.76	1.25	20
1	25	4.00	102	7.00	178	4.71	2.13	10
1 1/4	32	4.63	118	7.63	194	6.61	3.00	10
1 1/2	40	5.00	127	7.69	195	8.01	3.63	6
2	50	6.00	153	9.25	235	12.89	5.85	4
2 1/2	65	6.63	168	10.19	259	17.74	8.04	2
3	80	7.75	197	11.125	283	24.55	11.13	2

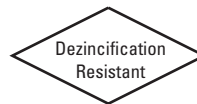
† No packing gland, packing only in these sizes.

Freezing Weather Precaution – Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 107.

Class 300 Bronze Globe Valves

Union Bonnet • Integral Seat • Renewable Seat and Disc

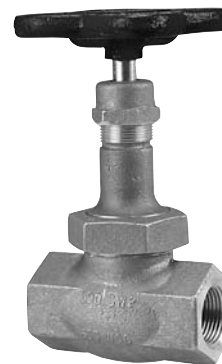


300 PSI/20.7 Bar Saturated Steam to 421° F/216° C
600 PSI/41.4 Bar Non-Shock Cold Working Pressure♦

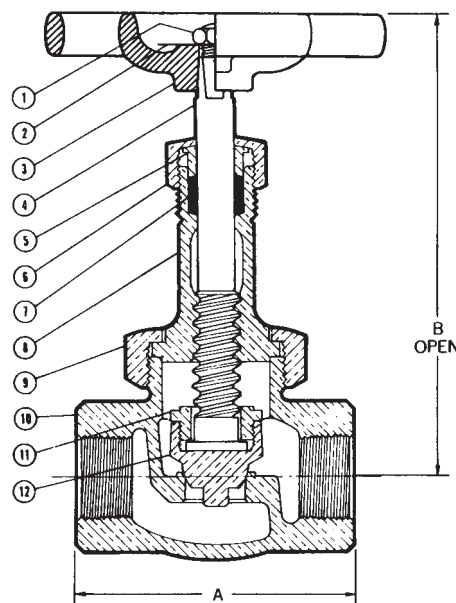
CONFORMS TO MSS SP-80

MATERIAL LIST

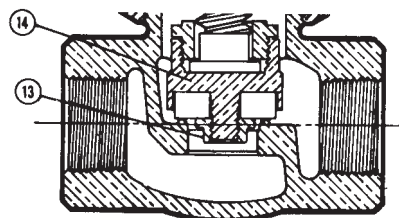
PART	SPECIFICATION
1. Handwheel Nut	Zinc Plated Steel with Clear Chromate
2. Identification Plate	Aluminum
3. Handwheel	Malleable Iron ASTM A 47
4. Stem	Silicon Bronze ASTM B 371 Alloy C69400
5. Packing Gland	Bronze ASTM B 62 or ASTM B 584 Alloy C84400 or Brass ASTM B 16
6. Packing Nut	Bronze ASTM B 62 or ASTM B 584 Alloy C84400 or Brass ASTM B 16
7. Packing	Aramid Fibres with Graphite
8. Bonnet	Bronze ASTM B 61
9. Union Nut	Bronze ASTM B 61
10. Body	Bronze ASTM B 61
11. Disc Holder Nut	Bronze ASTM B 61
12. Seat Disc	Bronze ASTM B 61 (B) Steam (TFE) (Y)
13. Seat Disc Nut	Bronze ASTM B 61
14. Disc Holder	Bronze ASTM B 62



T-275
Threaded



T-275-B
NPT x NPT



T-275-Y
NPT x NPT

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions				T-275		Master Ctn. Qty.	
	In.	mm.	In.	mm.	Lbs.	Kg.		
1½	6	2.63	67	4.44	113	1.38	0.62	50
1¼	8	2.63	67	4.44	113	1.37	0.62	50
1⅜	10	2.63	67	4.44	113	1.32	0.60	50
½	15	2.69	68	4.88	124	1.82	0.83	30
¾	20	3.38	86	5.75	146	2.84	1.29	20
1	25	4.00	102	7.00	178	4.80	2.18	10
1¼	32	4.63	118	7.63	194	7.03	3.19	10
1½	40	5.00	127	7.69	195	8.34	3.78	6
2	50	6.00	153	9.25	235	13.65	6.19	4
2½	65	6.63	168	10.19	259	17.39	7.89	2
3	80	7.75	197	11.13	283	23.69	10.75	2

† No packing gland, packing only in these sizes.

Freezing Weather Precaution – Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 107.