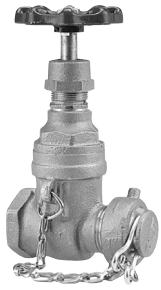
Bronze Gate Valves
Illustrated Index

Dezincification Resistant

Bronze Gate Valve Screw-in Bonnet 125 lb. SWP 200 lb. CWP  **T or S-111** Rising Stem • Solid Wedge Sizes ¼" thru 3" Threaded or Solder Ends **Page 6**	Bronze Gate Valve Screw-in Bonnet 125 lb. SWP 200 lb. CWP  **T or S-113** Non-Rising Stem • Solid Wedge Sizes ¼" thru 3" Threaded or Solder Ends **Page 7**	Bronze Hose Gate Valve Screw-in Bonnet 125 lb. SWP 200 lb. CWP  **T-113-HC** Non-Rising Stem • Solid Wedge Sizes ½" thru 1½" Threaded Ends **Page 8**	Bronze Gate Valve Union Bonnet 125 lb. SWP 200 lb. CWP  **T-124** Rising Stem • Solid Wedge Sizes ¼" thru 3" Threaded Ends **Page 9**
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Visit our website for the most current information.

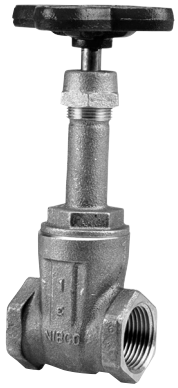
Class 125 Bronze Gate Valves

Screw-In Bonnet • Rising Stem • Solid Wedge

Dezincification Resistant

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

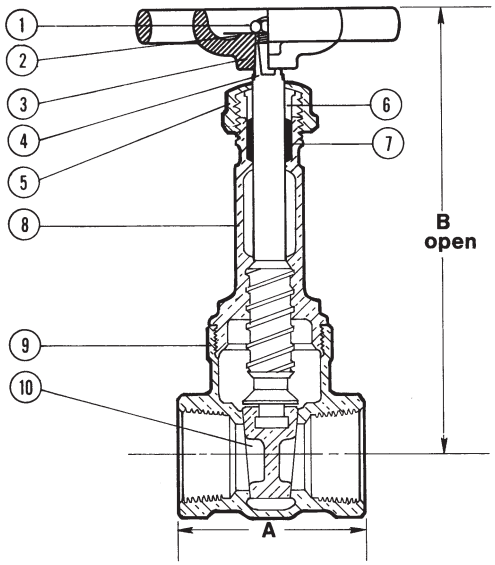


T-111
Threaded

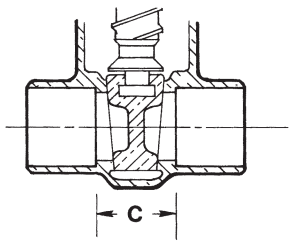
S-111
Solder

MATERIAL LIST

	PART	SPECIFICATION
1.	Handwheel Nut	300 Series Stainless Steel
2.	Identification Plate	Aluminum
3.	Handwheel	Malleable Iron ASTM A 47
4.	Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430 or ASTM B 99 Alloy C65100
5.	Packing Nut	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B 16
6.	Packing Gland	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B16
7.	Packing	Aramid Fibers with Graphite
8.	Bonnet	Bronze ASTM B 62
9.	Body	Bronze ASTM B 62
10.	Wedge	Bronze ASTM B 62



T-111
NPT x NPT



S-111
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions A		B		C		T-111		S-111		Master Ctn. Qty.	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	T-111	S-111
†¼	8	1.69	43	4.63	117	x	x	0.79	0.36	x	x	50	x
†⅜	10	1.69	43	4.63	117	.69	18	0.76	0.35	0.70	0.32	50	50
†½	15	1.94	49	4.81	122	.75	19	0.87	0.40	0.73	0.33	50	50
¾	20	2.06	54	5.81	148	.88	22	1.19	0.54	1.07	0.49	50	50
1	25	2.44	62	7.09	180	1.00	25	1.98	0.90	1.77	0.80	30	30
1¼	32	2.63	67	8.13	206	1.19	32	2.66	1.21	2.52	1.14	20	20
1½	40	2.88	72	9.81	249	1.25	33	3.76	1.70	3.42	1.55	10	10
2	50	3.06	78	11.56	294	1.31	34	5.56	2.52	5.23	2.37	10	10
2½	65	4.13	105	14.31	364	1.81	46	10.81	4.90	9.63	4.37	4	4
3	80	4.50	114	16.50	419	1.94	49	15.49	7.02	13.92	6.31	2	4

† No packing gland, packing only in these sizes.

x Not available this size.

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 114.

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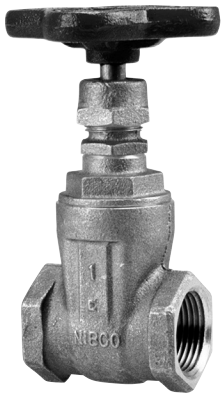
Dezincification Resistant

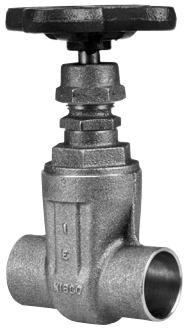
Screw-In Bonnet • Non-Rising Stem • Solid Wedge

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



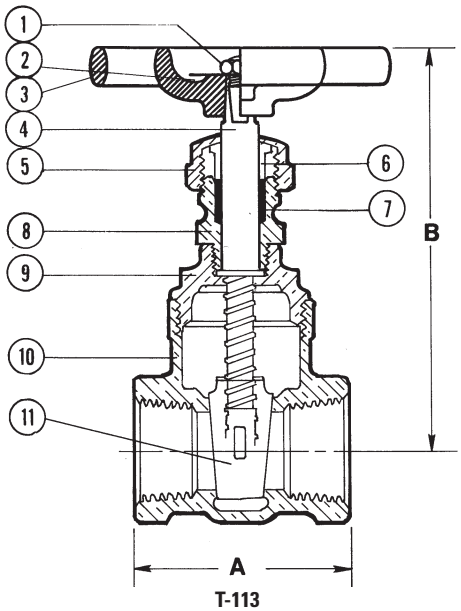
T-113
Threaded



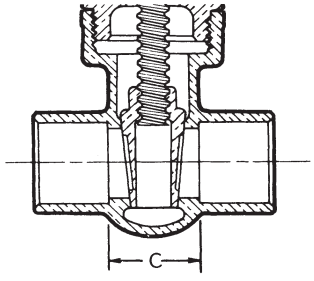
S-113
Solder

MATERIAL LIST

PART		SPECIFICATION
1.	Handwheel Nut	300 Series Stainless Steel
2.	Identification Plate	Aluminum
3.	Handwheel	a. Malleable Iron ASTM A 47 (T-113) b. Bronze (T-113-BHW) c. Bronze Cross (T-113-K)
4.	Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430 or ASTM B99 Alloy C65100
5.	Packing Nut	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B 16
6.	Packing Gland	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B 16
7.	Packing	Aramid Fibers with Graphite
8.	Stuffing Box	Bronze ASTM B 62
9.	Bonnet	Bronze ASTM B 62
10.	Body	Bronze ASTM B 62
11.	Wedge	Bronze ASTM B 62



T-113
NPT x NPT



S-113
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions A		Dimensions B		Dimensions C		T-113		S-113		Master
In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn. Qty.
¼ †	8	1.69	43	3.38	86	x	x	0.74	0.33	x	x	50
⅜ †	10	1.69	43	3.38	86	.69	18	0.71	0.32	0.65	0.29	50
½ †	15	1.94	49	3.63	92	.75	19	0.82	0.37	0.67	0.31	50
¾	20	2.06	54	3.91	99	.88	22	1.10	0.50	0.99	0.45	50
1	25	2.44	62	4.69	119	1.00	25	1.82	0.82	1.60	0.72	30
1 ¼	32	2.63	67	5.22	133	1.19	32	2.40	1.09	2.25	1.02	20
1 ½	40	2.88	72	6.25	159	1.25	33	3.51	1.59	3.17	1.44	10
2	50	3.06	78	7.06	179	1.31	34	4.93	2.24	4.60	2.09	10
2 ½	65	4.13	105	8.41	224	1.81	46	9.96	4.52	8.78	3.98	5
3	80	4.50	114	10	254	1.94	49	14.40	6.53	12.84	5.82	4

† No packing gland, packing only in these sizes.

x Not available this size.

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 114.

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Class 125 Bronze Gate Valves

Dezincification Resistant

Screw-In Bonnet • Non-Rising Stem • Solid Wedge

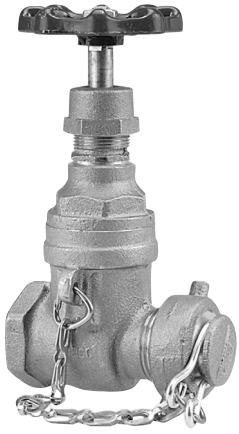
125 PSI/8.6 bar saturated steam to 353° F/178° C
200 PSI/13.8 bar non-shock cold working pressure

CONFORMS TO MSS SP-80

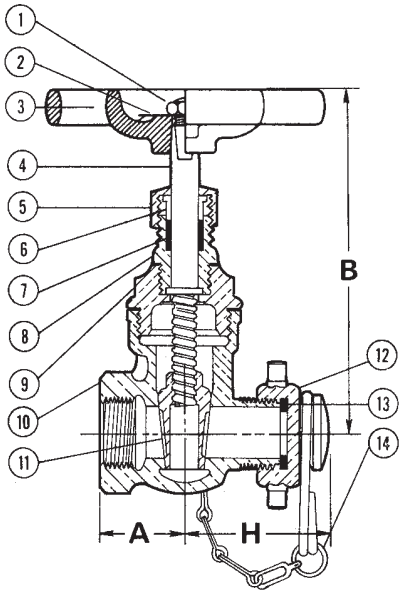
MATERIAL LIST

	PART	SPECIFICATION
1.	Handwheel Nut	300 Series Stainless Steel
2.	Identification Plate	Aluminum
3.	Handwheel	Malleable Iron ASTM A 47
4.	Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430
5.	Packing Nut	Sintered Bronze ASTM B 438 70 Grade I Type II or Brass ASTM B16
6.	Packing Gland	Sintered Bronze ASTM B 438 70 Grade I Type II or Brass ASTM B16
7.	Packing	Aramid Fibers with Graphite
8.	Stuffing Box	Bronze ASTM B 62
9.	Bonnet	Bronze ASTM B 62
10.	Body	Bronze ASTM B 62
11.	Wedge	Bronze ASTM B 62
*12.	Hose Cap	Bronze ASTM B 62
13.	Hose Cap Gasket	Rubber
14.	Safety Chain	Brass

NOTE: Valve available less cap and chain – consult factory.
***** **½ – 1 is 11½ threads per inch**
1¼–1½ is 9 threads per inch



T-113-HC
Threaded x Hose Thread



T-113-HC
NPT x ANFH

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions A		Dimensions B		Dimensions H		Weight		Master
In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Ctn. Qty.
½ x ¾H	15 x 20H†	1.13	29	4.44	113	2.06	52	1.52	0.69	30
¾ x ¾H	20 x 20H†	1.25	32	5.06	129	2.13	54	1.84	0.84	20
1 x 1H	25 x 25H*	1.44	37	5.88	149	2.38	60	2.93	1.33	20
1¼ x 1¼H	32 x 32H‡	1.56	40	6.63	168	2.75	70	4.27	1.94	10
1½ x 1½H	40 x 40H‡	1.69	43	7.09	180	2.94	75	5.75	2.61	10

† Garden Hose Thread

*** Special Pitch Hose Thread**

‡ American National Fire Hose Thread

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

♦ **For detailed Operating Pressure, refer to Pressure Temperature Chart on page 114.**

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Class 125 Bronze Gate Valves

Union Bonnet • Rising Stem • Solid Wedge

Dezincification Resistant

125 PSI/8.6 bar saturated steam to 353°F/178°C
200 PSI/13.8 bar non-shock cold working pressure

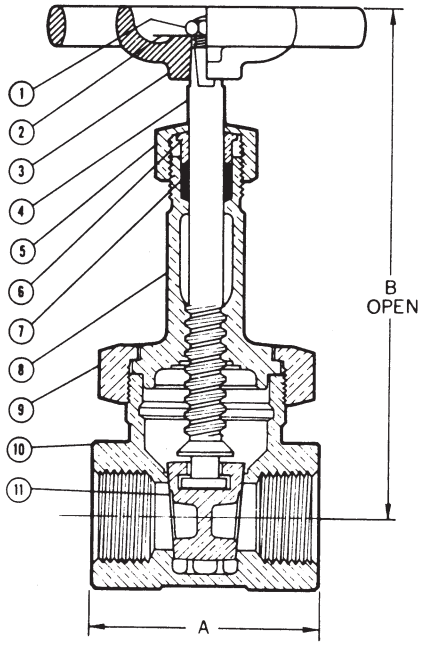
CONFORMS TO MSS SP-80

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	300 Series Stainless Steel
2. Identification Plate	Aluminum
3. Handwheel	Malleable Iron ASTM A 47
4. Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430 or ASTM B 99 Alloy C65100
5. Packing Nut	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B 16
6. Packing Gland	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B16
7. Packing	Aramid Fibers with Graphite
8. Bonnet	Bronze ASTM B 62
*9. Union Nut	Bronze ASTM B 62
10. Body	Bronze ASTM B 62
11. Wedge	Bronze ASTM B 62

***Sizes ¼", ⅜", ½" ASTM B 124 Alloy C37700.**

T-124
Threaded



T-124
NPT x NPT

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions A		Dimensions B		Weight		Master
In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Ctn. Qty.
¼	8	1.96	60	4.81	122	1.08	0.49	50
⅜	10	1.96	50	4.81	122	1.12	0.51	50
½	15	2.31	59	4.81	122	1.16	0.53	40
¾	20	2.51	64	5.81	148	1.70	0.77	30
1	25	2.92	74	7.09	180	2.37	1.08	20
1 ¼	32	3.20	81	8.13	206	3.73	1.69	10
1 ½	40	3.33	85	9.81	249	4.67	2.12	10
2	50	3.44	87	11.56	294	7.77	3.53	6
2 ½	65	4.35	110	14.31	364	12.70	5.76	4
3	80	5.31	135	16.50	419	18.74	8.51	2

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

♦ **For detailed Operating Pressure, refer to Pressure Temperature Chart on page 114.**

Visit our website for the most current information.

Class 150 Bronze Gate Valves

Dezincification Resistant

Screw-In Bonnet • Rising Stem • Solid Wedge

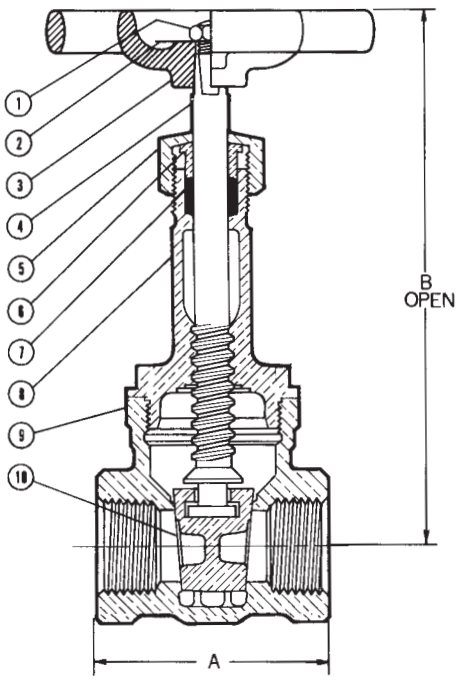
150 PSI/10.3 bar saturated steam to 366° F/185° C
300 PSI/20.7 bar non-shock working pressure

CONFORMS TO MSS SP-80

MATERIAL LIST

PART		SPECIFICATION
1.	Handwheel Nut	300 Series Stainless Steel
2.	Identification Plate	Aluminum
3.	Handwheel	Malleable Iron ASTM A 47
4.	Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430 or ASTM B 99 Alloy C65100
5.	Packing Nut	Bronze ASTM B 62 ASTM B584 Alloy C84400 or Brass ASTM B 16
6.	Packing Gland	Bronze ASTM B 62 ASTM B584 Alloy C84400 or Brass ASTM B 16
7.	Packing	Aramid Fibers with Graphite
8.	Bonnet	Bronze ASTM B 62
9.	Body	Bronze ASTM B 62
10.	Wedge	Bronze ASTM B 62

T-131
Threaded



T-131
NPT x NPT

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions A		Dimensions B		Weight		Master
In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Ctn. Qty.
¼	8	1.96	50	4.81	122	1.01	0.46	50
⅜	10	1.96	50	4.81	122	1.04	0.47	50
½	15	2.31	59	4.81	122	1.06	0.48	40
¾	20	2.51	64	5.81	148	1.49	0.67	30
1	25	2.92	74	7.09	180	2.18	0.99	20
1 ¼	32	3.20	81	8.13	206	3.24	1.47	10
1 ½	40	3.33	86	9.81	249	4.57	2.07	10
2	50	3.44	87	11.56	294	7.67	3.48	6
2 ½	65	4.35	110	14.31	364	11.97	5.43	4
3	80	5.31	135	16.50	419	17.43	7.91	2

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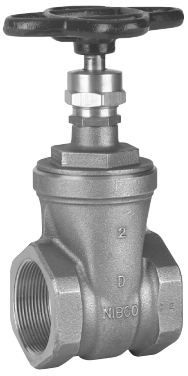
300 PSI/20.7 bar non-shock cold working pressure

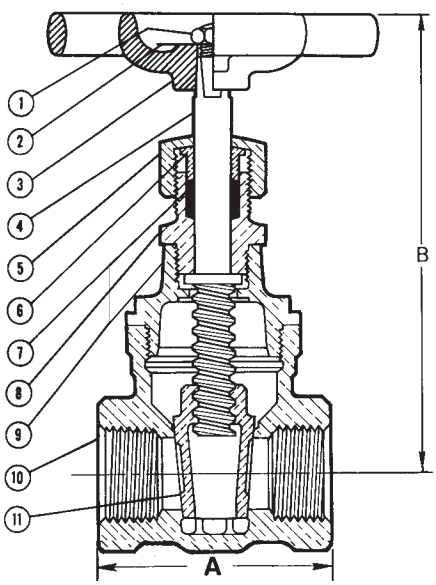
CONFORMS TO MSS SP-80



T-133
Threaded

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	300 Series Stainless Steel
2. Identification Plate	Aluminum
3. Handwheel	Malleable Iron ASTM A 47
4. Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430 or ASTM B 99 Alloy C65100
5. Packing Nut	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B 62
6. Packing Gland	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B 16
7. Packing	Aramid Fibers with Graphite
8. Stuffing Box	Bronze ASTM B 62
9. Bonnet	Bronze ASTM B 62
10. Body	Bronze ASTM B 62
11. Wedge	Bronze ASTM B 62



T-133
NPT x NPT

DIMENSIONS—WEIGHTS—QUANTITIES

Size		A		B		Weight		Master
		Dimensions						
In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Ctn. Qty.
¼	8	1.96	50	3.63	92	1.02	0.46	50
⅜	10	1.96	50	3.63	92	1.05	0.48	50
½	15	2.31	59	3.63	92	0.93	0.42	40
¾	20	2.51	64	3.91	99	1.40	0.64	30
1	25	2.92	74	4.69	119	2.03	0.92	20
1 ¼	32	3.20	81	5.22	133	2.97	1.35	10
1 ½	40	3.33	86	6.25	159	4.16	1.89	10
2	50	3.44	87	7.06	179	6.75	3.07	6
2 ½	65	4.35	110	8.41	224	10.55	4.79	4
3	80	5.31	135	10.00	254	14.86	6.75	2

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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

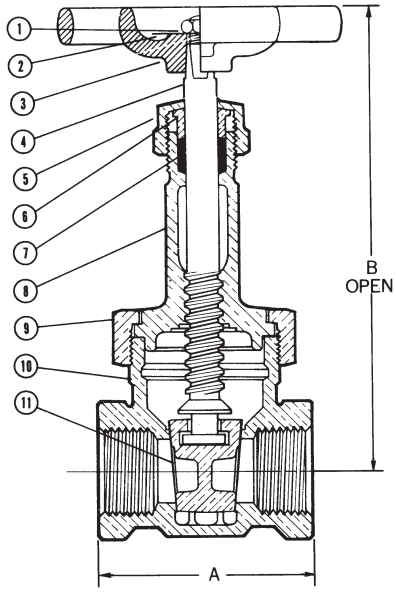
Dezincification Resistant

T-134
Threaded

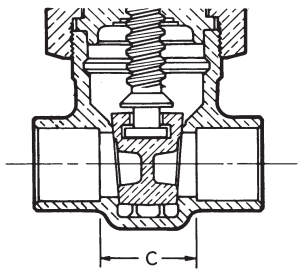
S-134
Solder

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	300 Series Stainless Steel
2. Identification Plate	Aluminum
3. Handwheel	Malleable Iron ASTM A 47
4. Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430 or ASTM B 99 Alloy C65100
5. Packing Nut	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B16
6. Packing Gland	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B 16
7. Packing	Aramid Fibers with Graphite
8. Bonnet	Bronze ASTM B 62
9. Union Nut	Bronze ASTM B 62
10. Body	Bronze ASTM B 62
11. Wedge	Bronze ASTM B 62



T-134
NPT x NPT



S-134
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions A		B		C		T-134		S-134		Master
In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn. Qty.
¼	8	1.96	50	4.81	122	x	x	1.08	0.49	x	x	50
⅜	10	1.96	50	4.81	122	0.79	20	1.12	0.51	1.02	0.46	50
½	15	2.31	59	4.81	122	0.76	19	1.12	0.51	1.06	0.48	40
¾	20	2.51	64	5.81	148	0.98	25	1.70	0.77	1.54	0.70	30
1	25	2.92	74	7.09	180	1.13	29	2.38	1.08	2.26	1.03	20
1 ¼	32	3.20	81	8.13	206	1.18	30	3.73	1.69	3.56	1.61	10
1 ½	40	3.33	85	9.81	249	1.29	33	4.67	2.12	4.46	2.02	10
2	50	3.44	87	11.56	294	1.31	33	7.77	3.53	7.14	3.24	6
2 ½	65	4.35	110	14.31	364	1.81	46	12.70	5.77	12.30	5.58	4
3	80	5.31	135	16.50	419	1.97	50	18.74	8.51	17.13	7.78	2

x Not available this size.

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

♦ **For detailed Operating Pressure, refer to Pressure Temperature Chart on page 114.**

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Class 150 Bronze Gate Valves

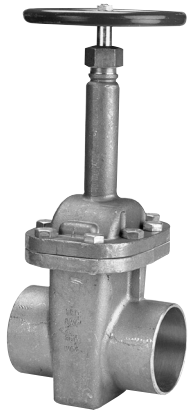
Bolted Bonnet • Rising Stem • Solid Wedge

Dezincification Resistant

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

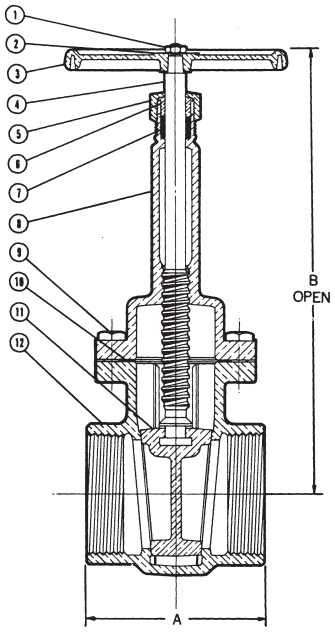
T-134
Threaded



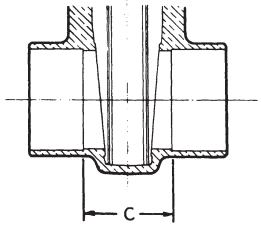
S-134
Solder

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	300 Series Stainless Steel
2. Identification Plate	Aluminum
3. Handwheel	Aluminum Commercial Alloy 380
4. Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430
5. Packing Nut	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B 16
6. Packing Gland	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B16
7. Packing	Aramid Fibers with Graphite
8. Bonnet	Bronze ASTM B 62
9. Bonnet Bolt	Zinc Plated Steel
10. Bonnet Gasket	Aramid Fibers with Graphite
11. Wedge	Bronze ASTM B 62
12. Body	Bronze ASTM B 62



T-134
NPT x NPT



S-134
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions A		B		C		T-134		S-134		Master
In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn. Qty
4	100	6.44	164	20.81	529	3.56	90	45.68	20.72	43.96	19.94	1

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

♦ **For detailed Operating Pressure, refer to Pressure Temperature Chart on page 114.**

Visit our website for the most current information.

Class 150 Bronze Gate Valves

Union Bonnet • Non-Rising Stem • Solid Wedge

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

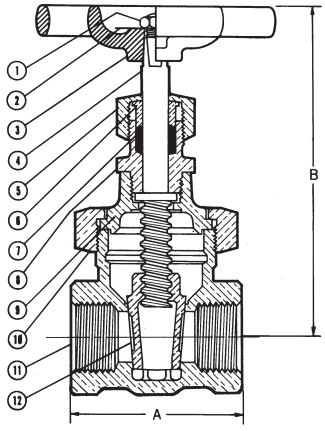
Dezincification Resistant

T-136
Threaded

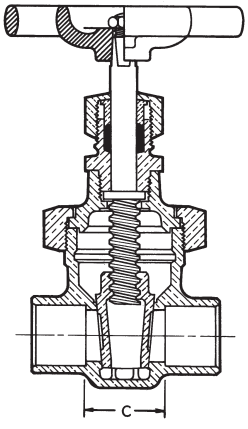
S-136
Solder

MATERIAL LIST

	PART	SPECIFICATION
1.	Handwheel Nut	300 Series Stainless Steel
2.	Identification Plate	Aluminum
3.	Handwheel	Malleable Iron ASTM A 47
4.	Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430 or ASTM B 99 Alloy C65100
5.	Packing Nut	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B 16
6.	Packing Gland	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B16
7.	Packing	Aramid Fibers with Graphite
8.	Stuffing Box	Bronze ASTM B 62
9.	Bonnet	Bronze ASTM B 62
10.	Union Nut	Bronze ASTM B 62
11.	Body	Bronze ASTM B 62
12.	Wedge	Bronze ASTM B 62
13.	Wedge Holder	Bronze ASTM B 62 (Not shown)



T-136
NPT x NPT



S-136
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions A		B		C		T-136		S-136		Master
In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn. Qty.
¼	8	1.96	50	3.63	92	x	x	1.09	0.50	x	x	50
⅜	10	1.96	50	3.63	92	0.79	20	1.07	0.48	1.02	0.46	50
½	15	2.31	59	3.63	92	0.76	19	1.12	0.51	1.02	0.46	40
¾	20	2.51	64	3.91	99	0.98	25	1.63	0.74	1.47	0.67	30
1	25	2.92	74	4.69	119	1.13	29	2.26	1.03	2.15	0.98	20
1 ¼	32	3.20	81	5.22	133	1.18	30	3.52	1.60	3.35	1.52	10
1 ½	40	3.33	86	6.25	159	1.29	34	4.44	2.01	4.22	1.92	10
2	50	3.44	87	7.06	179	1.31	33	7.35	3.34	6.72	3.05	6
‡2 ½	65	4.35	110	8.41	224	1.81	46	11.80	5.36	11.40	5.17	4
‡3	80	5.31	135	10.00	254	1.97	50	17.41	7.90	15.80	7.17	2

‡ Split Wedge with wedge holder.

x Not available this size.

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 114.

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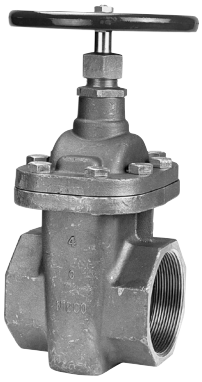
Class 150 Bronze Gate Valves

Bolted Bonnet • Non-Rising Stem • Split Wedge

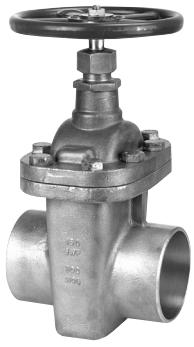
150 PSI/10.3 bar saturated steam to 366°F/185°C
300 PSI/20.7 bar non-shock cold working pressure

CONFORMS TO MSS SP-80

Dezincification Resistant



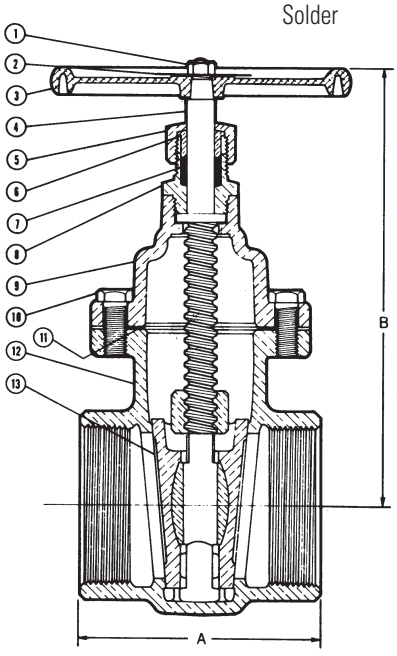
T-136
Threaded



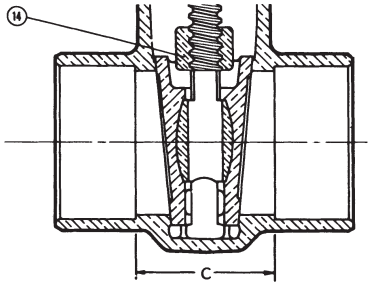
S-136
Solder

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	300 Series Stainless Steel
2. Identification Plate	Aluminum
3. Handwheel	Aluminum Commercial Alloy 380
4. Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430
5. Packing Nut	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B16
6. Packing Gland	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B 16
7. Packing	Aramid Fibers with Graphite
8. Stuffing Box	Bronze ASTM B 62
9. Bonnet	Bronze ASTM B 62
10. Bonnet Bolt	Zinc Plated Steel
11. Bonnet Gasket	Aramid Fibers with Graphite
12. Body	Bronze ASTM B 62
13. Wedge	Bronze ASTM B 62
14. Wedge Holder	Bronze ASTM B 62



T-136
NPT x NPT



S-136
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions A		B		C		T-136		S-136		Master
In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn. Qty.
4	100	6.44	164	12.25	311	3.56	90	43.85	19.89	42.13	19.13	1

NOTE: Split wedge with wedge holder.

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

♦ **For detailed Operating Pressure, refer to Pressure Temperature Chart on page 114.**

Visit our website for the most current information.

Class 200 Bronze Gate Valves

Dezincification Resistant

Block Pattern • Union Bonnet • Rising Stem • Alloy Solid Wedge • Integral Seat

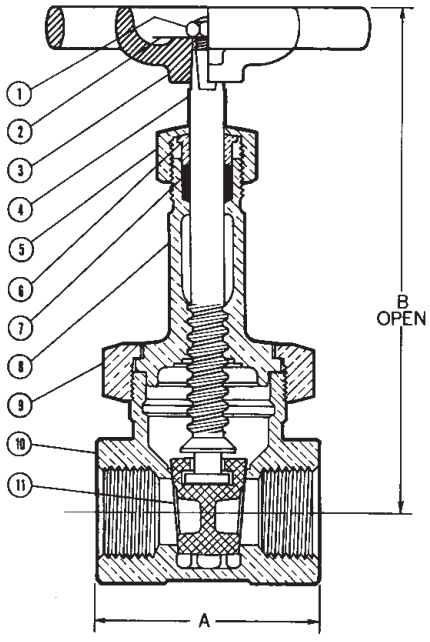
200 PSI/13.8 bar saturated steam to 391° F/201° C
400 PSI/27.6 bar non-shock cold working pressure

CONFORMS TO MSS SP-80

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	300 Series Stainless Steel
2. Identification Plate	Aluminum
3. Handwheel	Malleable Iron ASTM A 47
4. Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430 or ASTM B 99 Alloy C65100
5. Packing Nut	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B 16
6. Packing Gland	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B16
7. Packing	Aramid Fibers with Graphite
8. Bonnet	Bronze ASTM B 61
9. Union Nut	Bronze ASTM B 61
10. Body	Bronze ASTM B 61
11. Wedge	ASTM B584 Alloy C97600

T-154-A
Threaded



T-154-A
NPT x NPT
with Integral Seats

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions A		Dimensions B		Weight		Master
In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Ctn. Qty.
¼	8	1.88	48	4.81	122	1.15	0.52	50
⅜	10	2.06	52	4.81	122	1.14	0.52	50
½	15	2.31	59	5.38	137	1.49	0.68	40
¾	20	2.44	62	6.31	160	2.23	1.01	30
1	25	2.88	73	7.56	192	3.37	1.53	20
1 ¼	32	3.13	83	8.88	226	4.76	2.16	10
1 ½	40	3.38	86	10.25	260	6.32	2.87	10
2	50	3.88	99	12.50	318	10.96	4.97	6

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

♦ **For detailed Operating Pressure, refer to Pressure Temperature Chart on page 114.**

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Class 300 Bronze Gate Valves

Dezincification Resistant

Block Pattern • Union Bonnet • Rising Stem • Alloy Solid Wedge

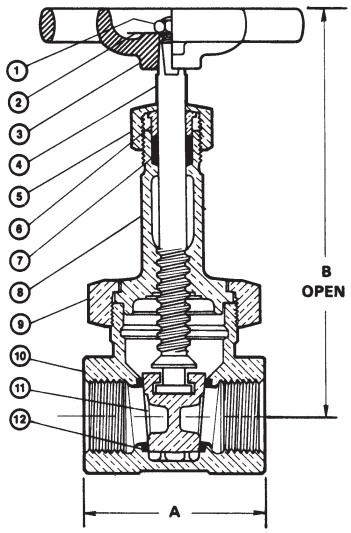
300 PSI/20.7 bar saturated steam to 421°F/216°C
600 PSI/41.4 bar non-shock cold working pressure

CONFORMS TO MSS SP-80

T-174-SS
T-174-A
Threaded

MATERIAL LIST

	PART	SPECIFICATION
1.	Handwheel Nut	300 Series Stainless Steel
2.	Identification Plate	Aluminum
3.	Handwheel	Malleable Iron ASTM A 47
4.	Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430 or ASTM B 99 Alloy C65100
5.	Packing Nut	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B16
6.	Packing Gland	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B16
7.	Packing	Aramid Fibers with Graphite
8.	Bonnet	Bronze ASTM B 61
9.	Union Nut	Bronze ASTM B 61
10.	Body	Bronze ASTM B 61
11.	Wedge	T-174-SS Bronze ASTM B 61 T-174-A Copper Nickel Alloy
12.	Seats	T-174-SS Stainless Steel Type 410 ASTM A 276 Alloy 541000 T-174-A Integral with Body



T-174-SS
NPT x NPT
with Stainless Steel Seats

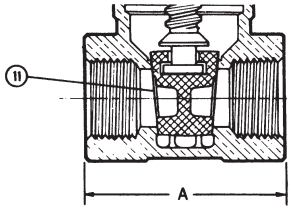
DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions T-174-SS A		Dimensions T-174-SS B		Dimensions T-174-A A		Dimensions T-174-A B		T-174-SS		T-174-A		Master
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn. Qty.
¼	8	x	x	x	x	1.88	48	4.81	122	x	x	1.15	0.52	50
⅜	10	x	x	x	x	2.06	53	4.81	122	x	x	1.14	0.52	50
½	15	2.38	60	5.38	137	2.31	59	5.38	137	1.48	0.67	1.49	0.68	40
¾	20	2.69	68	6.31	160	2.44	62	6.31	160	2.23	1.01	2.23	1.01	30
1	25	3.13	79	7.56	192	2.88	73	7.56	192	3.37	1.53	3.37	1.53	20
1 ¼	32	3.44	87	8.88	226	3.13	79	8.75	222	4.74	2.15	4.76	2.16	10
1 ½	40	3.75	95	10.25	260	3.38	86	10.25	260	6.29	2.85	6.32	2.87	10
2	50	4.25	108	12.50	318	3.88	99	12.50	318	10.84	4.92	10.96	4.97	6

x Not available this size.

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

♦ **For detailed Operating Pressure, refer to Pressure Temperature Chart on page 114.**



T-174-A
NPT x NPT
with Integral Seats

Visit our website for the most current information.

Class 300 Bronze Gate Valves

Block Pattern • Union Bonnet • Non-Rising Stem • Alloy Solid Wedge

300 PSI/20.7 bar saturated steam to 421° F/216° C
600 PSI/41.4 bar non-shock cold working pressure

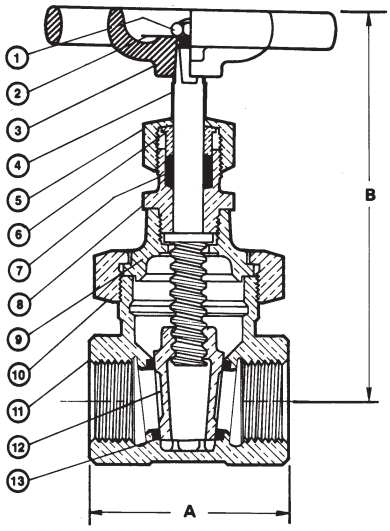
CONFORMS TO MSS SP-80

Dezincification Resistant

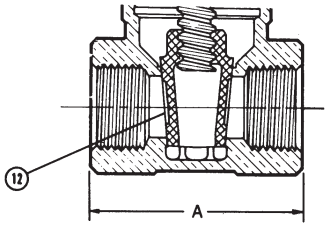
T-176-SS
T-176-A
Threaded

MATERIAL LIST

	PART	SPECIFICATION
1.	Handwheel Nut	300 Series Stainless Steel
2.	Identification Plate	Aluminum
3.	Handwheel	Malleable Iron ASTM A 47
4.	Stem	Silicon Bronze ASTM B 371 Alloy C69400/C69430 or ASTM B 99 Alloy C65100
5.	Packing Nut	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B 16
6.	Packing Gland	Bronze ASTM B 62 or ASTM B584 Alloy C84400 or Brass ASTM B16
7.	Packing	Aramid Fibers with Graphite
8.	Stuffing Box	Bronze ASTM B 61
9.	Bonnet	Bronze ASTM B 61
10.	Union Nut	Bronze ASTM B 61
11.	Body	Bronze ASTM B 61
12.	Wedge	T-176-SS Bronze ASTM B 61 T-176-A Copper Nickel Alloy
13.	Seats	T-176-SS Stainless Steel Type 410 ASTM A 276 Alloy 541000 T-176-A Integral with Body



T-176-SS
NPT x NPT
with Stainless Steel Seats



T-176-A
NPT x NPT
with Integral Seats

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions T-176-SS A		Dimensions T-176-SS B		Dimensions T-176-A A		Dimensions T-176-A B		T-176-SS		T-176-A		Master
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn. Qty.
¼	8	x	x	x	x	1.88	48	3.88	98	x	x	1.15	0.52	50
⅜	10	x	x	x	x	2.06	53	3.88	98	x	x	1.14	0.52	50
½	15	2.38	60	4.19	106	2.31	59	4.31	106	1.44	0.65	1.44	0.65	40
¾	20	2.69	68	4.63	117	2.44	62	4.63	117	2.15	0.98	2.13	0.97	30
1	25	3.13	79	5.44	138	2.88	73	5.44	138	3.25	1.47	3.24	1.47	20
1 ¼	32	3.44	87	6.06	154	3.13	79	6.06	154	4.56	2.07	4.57	2.07	10
1 ½	40	3.75	95	7.13	181	3.38	86	7.13	181	6.02	2.73	5.98	2.71	10
2	50	4.25	108	8.31	211	3.88	99	8.31	211	10.46	4.74	10.18	4.62	6

x Not available this size.

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

♦ **For detailed Operating Pressure, refer to Pressure Temperature Chart on page 114.**

Visit our website for the most current information.

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