

Bronze & Iron Gate, Globe & Check Valve Index

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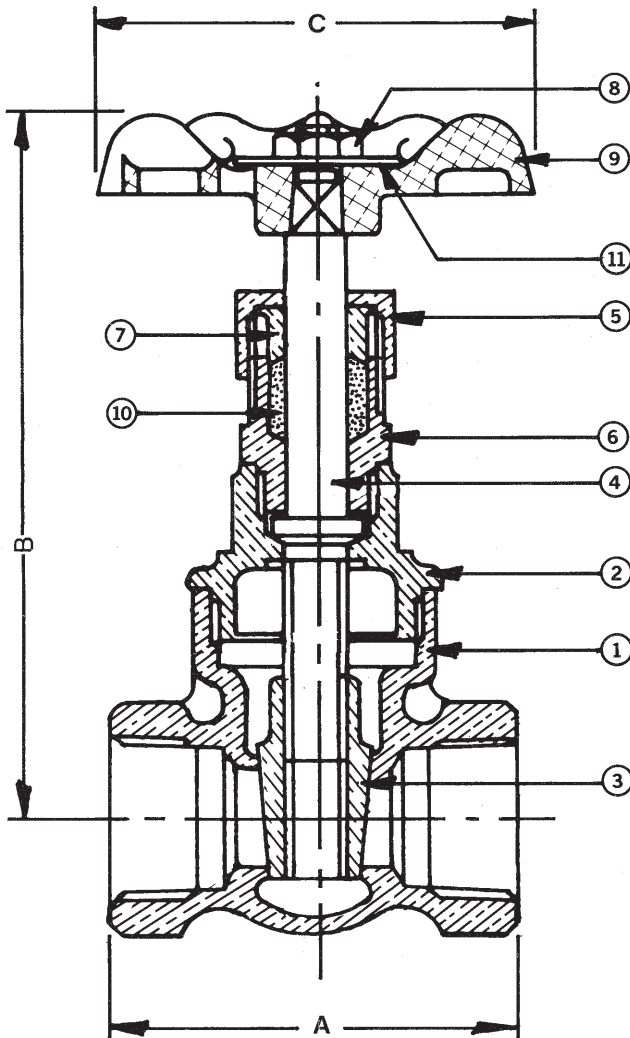
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WARNING: Cancer and Reproductive Harm. For more information visit www.p65warnings.ca.gov.



MILWAUKEE VALVE

105 1/4"-4"

Bronze Gate Valve
125 SWP-200 WOG †
Non-Rising Stem 1/4" - 3" • Rising Stem 4"
Solid Wedge Disc
Threaded Bonnet • Threaded Ends
Conforms to: MSS SP-80*



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Packing Nut	Brass	ASTM B283 C37700
6	Stuffing Box	Brass	ASTM B283 C37700
7 ¹	Gland	Brass	ASTM B283 C37700
8	Handwheel Nut	Brass	Commercial
9	Handwheel	Mall. Iron	Commercial
10	Packing	Graphite	Commercial
11	Name Plate	Sh. Alum	Commercial

¹ Not used on 1/2" and smaller

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches mm	1/4	1.75 45	3.63 92	2.00 51	5.6
Inches mm	3/8	1.81 46	3.63 92	2.00 51	10.7
Inches mm	1/2	2.00 51	3.63 92	2.00 51	17.6
Inches mm	3/4	2.18 55	4.38 111	2.50 64	32.0
Inches mm	1	2.56 65	5.00 127	2.75 70	54.0
Inches mm	1 1/4	2.78 71	5.31 135	3.44 87	97.0
Inches mm	1 1/2	2.81 72	6.34 161	3.75 95	135.0
Inches mm	2	3.31 84	7.44 189	3.75 95	230.0
Inches mm	2 1/2	4.19 106	9.13 232	4.75 121	337.0
Inches mm	3	4.63 118	10.47 266	5.25 133	536.0
Inches mm	4	5.50 140	15.50 394	5.25 133	960.0

† Non-Shock

* 4" is not covered in MSS SP-80

INNOVATION IN EVERY VALVE



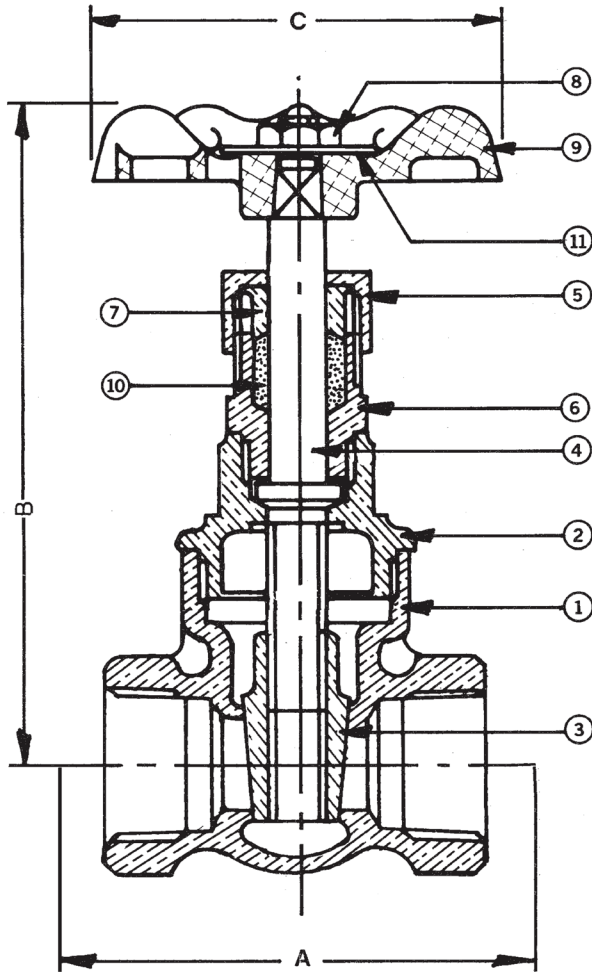
MILWAUKEE VALVE

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105 P2 1/2"-2"

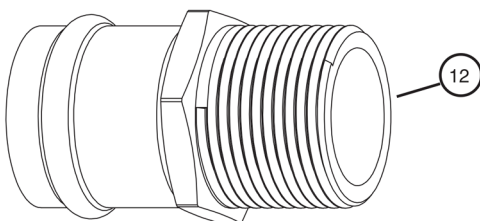


Bronze Gate Valve
200 psig @ 250°F†
Solid Wedge Disc • Non-Rising Stem
Threaded Bonnet • Press Ends
Conforms to: MSS SP-80



With Press Ends

Note: Not intended for use in potable water.



Press End Adapter (4151 Series)

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Packing Nut	Brass	ASTM B283 C37700
6	Stuffing Box	Brass	ASTM B283 C37700
7 [†]	Gland	Brass	ASTM B283 C37700
8	Handwheel Nut	Brass	Commercial
9	Handwheel	Mall. Iron	Commercial
10	Packing	Graphite	Commercial
11	Name Plate	Sh. Alum	Commercial
12	Press Adapters	Brass Fitting W/ EPDM O-Ring	ASTM B283 C27450

[†] Not used on 1/2" and smaller

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	STD Insertion Depth	A	B	C	Cv
Inches mm	1/2	0.87 22	5.00 127	3.63 92	2.00 51	17.6
Inches mm	3/4	0.98 25	5.76 146	4.38 111	2.50 64	32
Inches mm	1	0.98 25	6.56 167	5.00 127	2.75 70	54
Inches mm	1 1/4	1.02 26	6.85 174	5.31 135	3.44 87	97
Inches mm	1 1/2	1.42 36	7.29 185	6.34 161	3.75 95	135
Inches mm	2	1.58 40	9.31 237	7.44 189	3.75 95	230

† Non-Shock

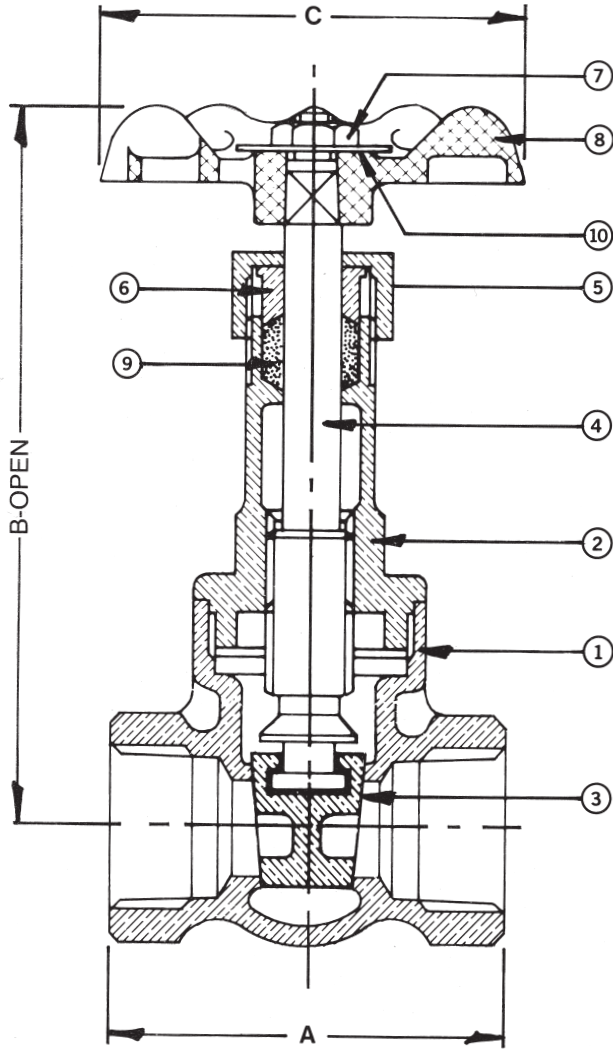
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WARNING: Cancer and Reproductive Harm. For more information visit www.p65warnings.ca.gov.



148 1/4"-4"

Bronze Gate Valve
125 SWP - 200 WOG †
Solid Wedge Disc • Rising Stem
Threaded Bonnet • Threaded Ends
Conforms to: MSS SP-80*



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Packing Nut	Brass	ASTM B283 C37700
6 ¹	Gland	Brass	ASTM B124 C37700
7	Handwheel Nut	Brass	Commercial
8	Handwheel	Mall. Iron	Commercial
9	Packing	Graphite	Commercial
10	Name Plate	Sh. Alum	Commercial

¹ Not used on 1/2" and smaller

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches	1/4	1.75	4.38	2.00	5.6
mm		45	111	51	
Inches	3/8	1.81	4.38	2.00	10.7
mm		46	111	51	
Inches	1/2	2.00	4.38	2.00	17.6
mm		51	111	51	
Inches	3/4	2.18	5.84	2.50	32.0
mm		55	148	64	
Inches	1	2.56	7.06	2.75	54.0
mm		65	179	70	
Inches	1 1/4	2.78	8.78	3.44	97.0
mm		71	223	87	
Inches	1 1/2	2.81	9.50	3.75	135.0
mm		72	241	95	
Inches	2	3.31	11.50	3.75	230.0
mm		84	292	95	
Inches	2 1/2	4.19	14.31	4.75	337.0
mm		106	364	121	
Inches	3	4.63	16.63	5.25	536.0
mm		118	422	133	
Inches	4	5.50	15.50	5.25	960.0
mm		140	394	133	

† Non-Shock

* 4" is not covered in MSS SP-80

INNOVATION IN EVERY VALVE

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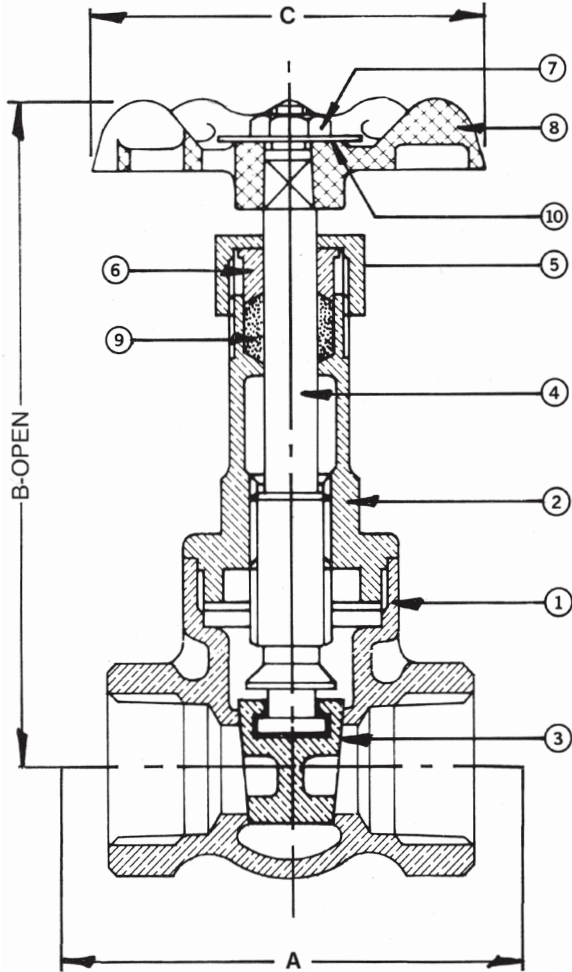


MILWAUKEE VALVE

148 P2 1/2"-2"

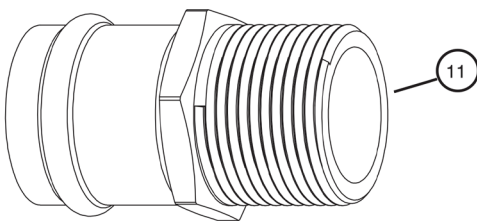
ULTRAPRESS®

Bronze Gate Valve
200 psig @ 250°F†
Solid Wedge Disc • Rising Stem
Threaded Bonnet • Press Ends
Conforms to: MSS SP-80



With Press Ends

Note: Not intended for use in potable water.



Press End Adapter (4151 Series)

MATERIAL LIST

No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Packing Nut	Brass	ASTM B283 C37700
6†	Gland	Brass	ASTM B124 C37700
7	Handwheel Nut	Brass	Commercial
8	Handwheel	Mall. Iron	Commercial
9	Packing	Graphite	Commercial
10	Name Plate	Sh. Alum	Commercial
11	Press Adapters	Brass Fitting W/ EPDM O-Ring	ASTM B283 C27450

† Not used on 1/2"

DIMENSIONS - INCHES/MILLIMETERS

Units	Size	STD Insertion Depth	A	B	C	Cv
Inches mm	1/2	0.87 22	5.00 127	4.38 111	2.00 51	17.6
Inches mm	3/4	0.98 25	5.76 146	5.84 148	2.50 64	32
Inches mm	1	0.98 25	6.56 167	7.06 179	2.75 70	54
Inches mm	1 1/4	1.02 26	6.85 174	8.78 223	3.44 87	97
Inches mm	1 1/2	1.42 36	7.29 185	9.50 241	3.75 95	135
Inches mm	2	1.58 40	9.31 236	11.50 292	3.75 95	230

† Non-Shock

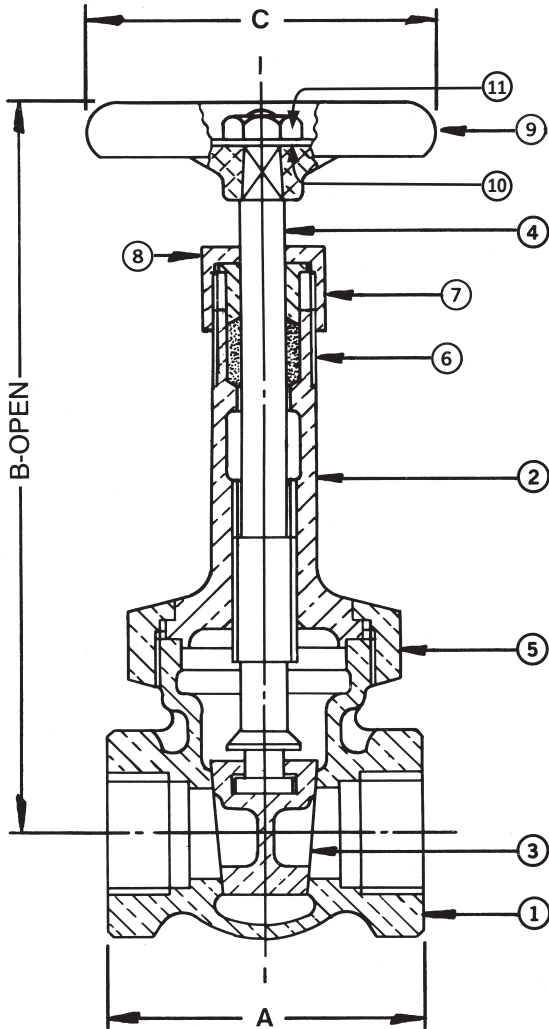
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WARNING: Cancer and Reproductive Harm. For more information visit www.p65warnings.ca.gov.

MILWAUKEE VALVE

1152 1/4"-3"

Bronze Gate Valve
125 SWP - 200 WOG †
Solid Wedge Disc • Rising Stem
Union Bonnet • Threaded Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge Disc	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Union Bonnet Nut	Bronze	ASTM B62
6	Packing	Graphite	Commercial
7	Gland	Brass	ASTM B124 C37700
8	Packing Nut	Brass	ASTM B283 C37700
9	Handwheel	Mall. Iron	Commercial
10	Name Plate	Aluminum	Commercial
11	Handwheel Nut	Brass	ASTM B 16

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches	1/4	1.75	5.13	2.00	5.6
mm		45	130	51	
Inches	3/8	1.88	5.13	2.00	10.7
mm		48	130	51	
Inches	1/2	2.13	5.50	2.50	17.6
mm		54	140	64	
Inches	3/4	2.25	6.25	2.75	32.0
mm		57	159	70	
Inches	1	2.56	7.19	2.75	54.0
mm		65	183	70	
Inches	1 1/4	2.78	8.56	3.44	97.0
mm		71	218	87	
Inches	1 1/2	3.25	9.63	3.75	135.0
mm		83	245	95	
Inches	2	3.63	11.75	4.25	230.0
mm		92	299	108	
Inches	2 1/2	4.50	14.50	4.75	337.0
mm		114	368	121	
Inches	3	4.88	16.75	5.25	536.0
mm		124	426	133	

† Non-Shock

INNOVATION IN EVERY VALVE

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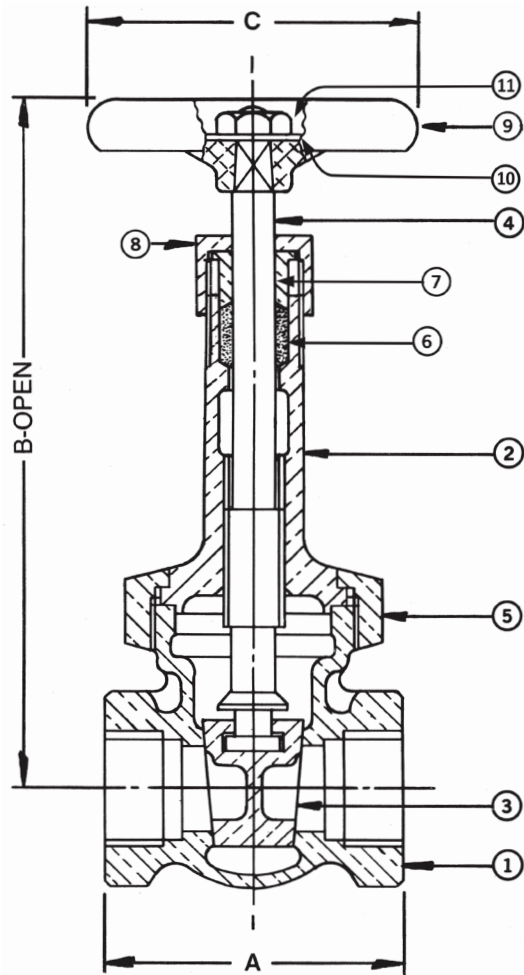


MILWAUKEE VALVE

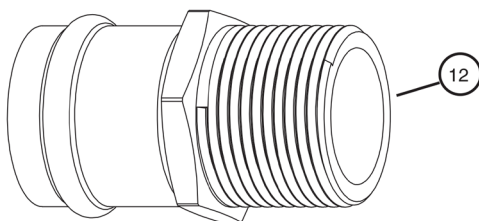
1152 P2 1/2"-2"

ULTRAPRESS®

Bronze Gate Valve
200 psig @ 250°F†
Solid Wedge Disc • Rising Stem
Union Bonnet • Press Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.



Press End Adapter (4151 Series)

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge Disc	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Union Bonnet Nut	Bronze	ASTM B62
6	Packing	Graphite	Commercial
7	Gland	Brass	ASTM B124 C37700
8	Packing Nut	Brass	ASTM B283 C37700
9	Handwheel	Mall. Iron	Commercial
10	Name Plate	Aluminum	Commercial
11	Handwheel Nut	Brass	ASTM B16
12	Press Adapter	Brass Fitting W/ EPDM O-Ring	ASTM B283 C27450

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	STD Insertion Depth	A	B	C	Cv
Inches mm	1/2	0.87 22	5.00 127	4.38 111	2.00 51	17.6
Inches mm	3/4	0.98 25	5.76 146	5.84 148	2.50 64	32
Inches mm	1	0.98 25	6.56 167	7.06 179	2.75 70	54
Inches mm	1 1/4	1.02 26	6.85 174	8.78 223	3.44 87	97
Inches mm	1 1/2	1.42 36	7.29 185	9.50 241	3.75 95	135
Inches mm	2	1.58 40	9.31 236	11.50 292	3.75 95	230

† Non-Shock

INNOVATION IN EVERY VALVE

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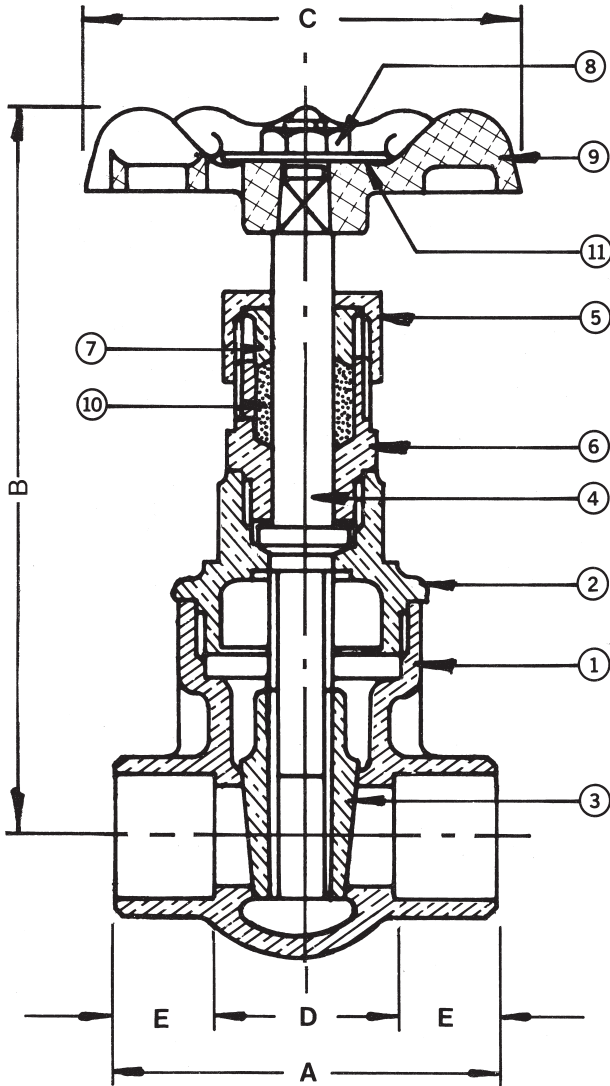
MILWAUKEE VALVE

115 3/8"-4"

Bronze Gate Valve
125 SWP - 200 WOG †
Non-Rising Stem 3/8" - 3" • Rising Stem 4"
Solid Wedge Disc
Threaded Bonnet • Solder Ends
Conforms to: MSS SP-80*

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Packing Nut	Brass	ASTM B283 C37700
6	Stuffing Box	Brass	ASTM B283 C37700
7 ¹	Gland	Brass	ASTM B124 C37700
8	Handwheel Nut	Brass	ASTM B16
9	Handwheel	Mall. Iron	Commercial
10	Packing	Graphite	Commercial
11	Name Plate	Sh. Alum	Commercial

¹ Not used on 1/2" and smaller



Note: Not intended for use in potable water.

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches	3/8	1.63	3.56	2.00	0.88	0.38	10.7
mm		41	91	51	22	10	
Inches	1/2	1.88	3.56	2.00	0.88	0.50	17.6
mm		48	91	51	22	13	
Inches	3/4	2.50	4.75	2.50	1.00	0.75	32.0
mm		64	121	64	25	19	
Inches	1	3.00	5.00	2.75	1.19	0.91	54.0
mm		76	127	70	30	23	
Inches	1 1/4	3.25	5.88	3.44	1.31	0.97	97.0
mm		83	149	87	33	25	
Inches	1 1/2	3.63	6.50	3.75	1.44	1.09	135.0
mm		92	165	95	37	28	
Inches	2	4.31	7.44	3.75	1.63	1.34	230.0
mm		110	189	95	41	34	
Inches	2 1/2	4.81	9.13	4.75	1.88	1.47	337.0
mm		122	232	121	48	37	
Inches	3	5.44	10.38	5.25	2.13	1.66	536.0
mm		138	264	133	54	42	
Inches	4	7.25	15.50	5.25	2.93	2.16	960.0
mm		184	394	133	75	55	

† Non-Shock

* 4" is not covered in MSS SP-80. It has a split wedge and bolted bonnet.

INNOVATION IN EVERY VALVE

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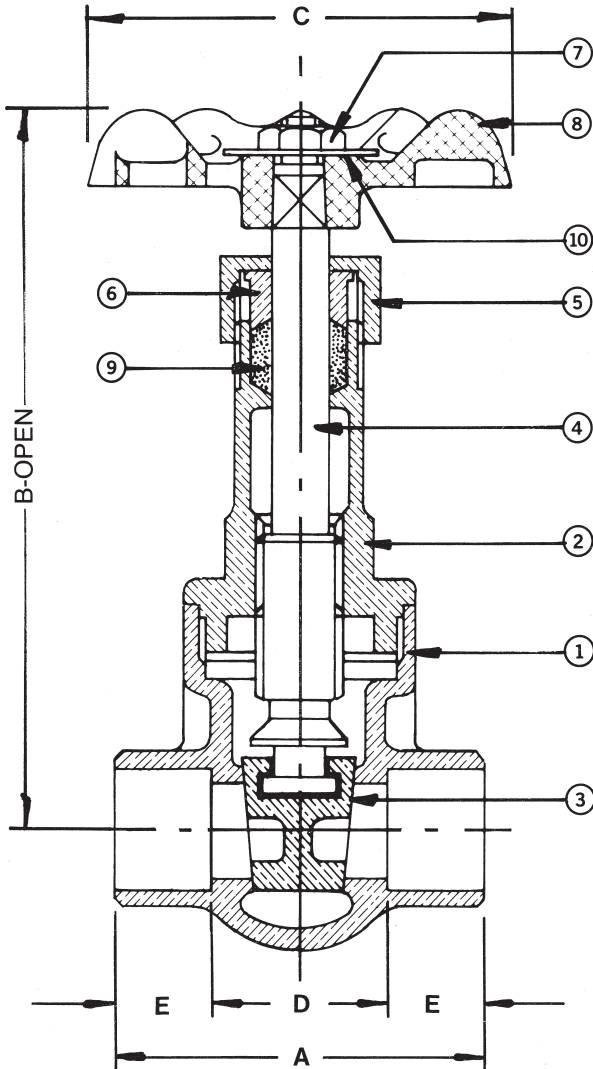
MILWAUKEE VALVE

149 3/8"-4"

Bronze Gate Valve
125 SWP - 200 WOG †
Solid Wedge Disc • Rising Stem
Threaded Bonnet • Solder Ends
Conforms to: MSS SP-80*

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Packing Nut	Brass	ASTM B283 C37700
6 ¹	Gland	Brass	ASTM B124 C37700
7	Handwheel Nut	Brass	Commercial
8	Handwheel	Mall. Iron	Commercial
9	Packing	Graphite	Commercial
10	Name Plate	Sh. Alum	Commercial

¹ Not used on 1/2" and smaller



Note: Not intended for use in potable water.

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	3/8	1.63 41	4.31 110	2.00 51	0.88 22	0.38 10	10.7
Inches mm	1/2	1.88 48	4.31 110	2.00 51	0.88 22	0.50 13	17.6
Inches mm	3/4	2.50 64	6.25 159	2.50 64	1.00 25	0.75 19	32.0
Inches mm	1	3.00 76	7.00 178	2.75 70	1.19 30	0.91 23	54.0
Inches mm	1 1/4	3.25 83	8.63 219	3.44 87	1.31 33	0.97 25	97.0
Inches mm	1 1/2	3.63 92	9.50 241	3.75 95	1.44 37	1.09 28	135.0
Inches mm	2	4.31 110	11.50 292	3.75 95	1.63 41	1.34 34	230.0
Inches mm	2 1/2	4.81 122	14.31 364	4.75 121	1.88 48	1.47 37	337.0
Inches mm	3	5.44 138	16.38 416	5.25 133	2.13 54	1.66 42	536.0
Inches mm	4	7.25 184	15.50 394	5.25 133	2.93 75	2.16 55	960.0

† Non-Shock

* 4" is not covered in MSS SP-80. It has a split wedge and bolted bonnet.

INNOVATION IN EVERY VALVE

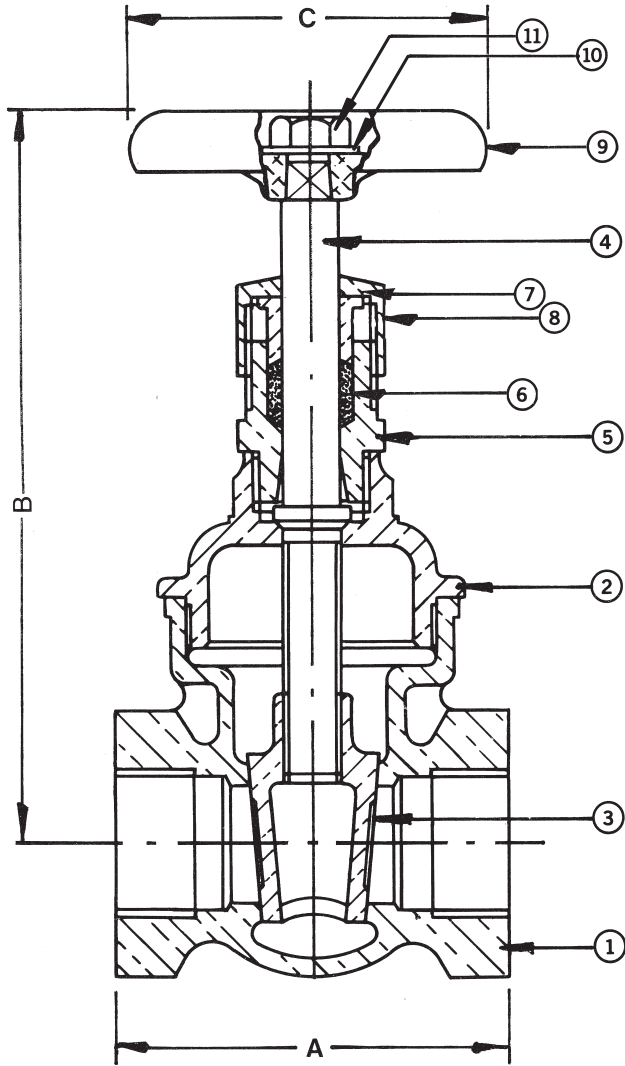
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WARNING: Cancer and Reproductive Harm. For more information visit www.p65warnings.ca.gov.



MILWAUKEE VALVE

1140 1/4"-4"

Bronze Gate Valve
150 SWP - 300 WOG †
Non-Rising Stem 1/4" - 3" • Rising Stem 4"
Solid Wedge Disc
Threaded Bonnet • Threaded Ends
Conforms to: MSS SP-80*



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge Disc	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Stuffing Box	Bronze	ASTM B16
6	Packing	Graphite	Commercial
7	Gland	Brass	ASTM B124 C37700
8	Packing Nut	Brass	ASTM B283 C37700
9	Handwheel	Mall. Iron	Commercial
10	Name Plate	Aluminum	Commercial
11	Handwheel Nut	Brass	Commercial

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches	1/4	1.75	3.63	2.00	5.6
mm		45	92	51	
Inches	3/8	1.81	3.63	2.00	10.7
mm		46	92	51	
Inches	1/2	2.00	3.63	2.00	17.6
mm		51	92	51	
Inches	3/4	2.18	4.38	2.50	32.0
mm		55	111	64	
Inches	1	2.56	5.00	2.75	54.0
mm		65	127	70	
Inches	1 1/4	2.78	5.31	3.44	97.0
mm		71	135	87	
Inches	1 1/2	2.81	6.34	3.75	135.0
mm		72	161	95	
Inches	2	3.31	7.44	3.75	230.0
mm		84	189	95	
Inches	2 1/2	4.19	9.13	4.75	337.0
mm		106	232	121	
Inches	3	4.63	10.47	5.25	536.0
mm		118	266	133	
Inches	4	5.50	15.50	5.25	960.0
mm		140	394	133	

† Non-Shock

* 4" is not covered in MSS SP-80. It has a split wedge and bolted bonnet.

INNOVATION IN EVERY VALVE

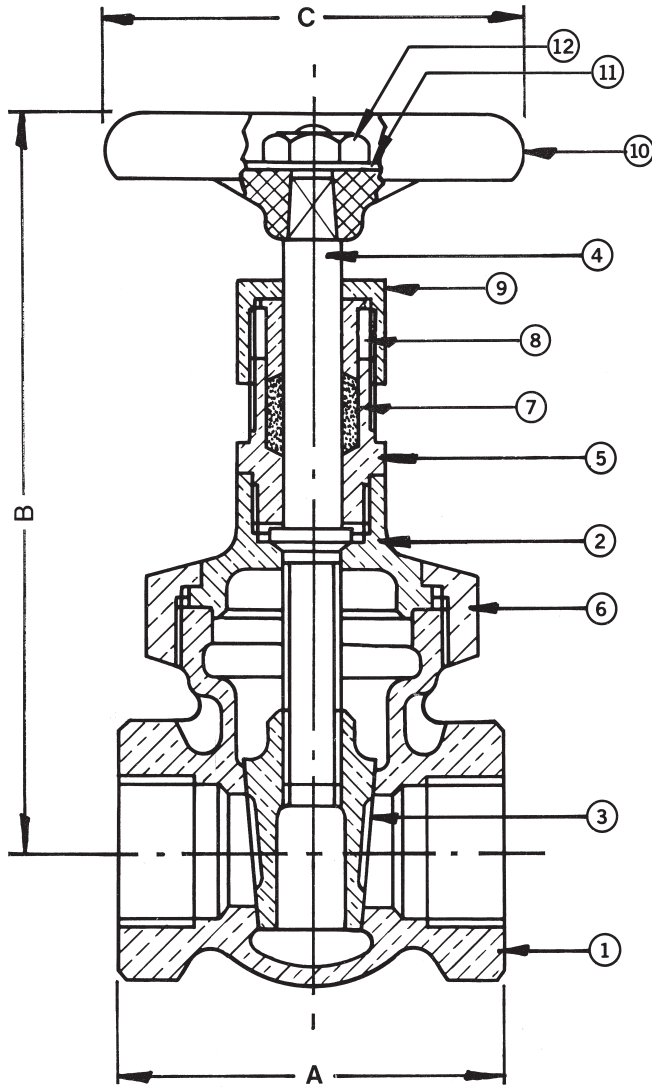
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MILWAUKEE VALVE

1141 1/4"-2"

Bronze Gate Valve
150 SWP - 300 WOG †
Solid Wedge Disc • Non-Rising Stem
Union Bonnet • Threaded Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge Disc	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Stuffing Box	Bronze	ASTM B16
6	Union Bonnet Nut	Bronze	ASTM B62
7	Packing	Graphite	Commercial
8	Gland	Brass	ASTM B124 C37700
9	Packing Nut	Brass	ASTM B283 C37700
10	Handwheel	Mall. Iron	Commercial
11	Name Plate	Aluminum	Commercial
12	Handwheel Nut	Brass	Commercial

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches	1/4	1.75	3.69	2.00	5.6
mm		45	94	51	
Inches	3/8	1.88	3.69	2.00	10.7
mm		48	94	51	
Inches	1/2	2.13	4.31	2.50	17.6
mm		54	110	64	
Inches	3/4	2.25	4.56	2.75	32.0
mm		57	116	70	
Inches	1	2.56	5.19	2.75	54.0
mm		65	132	70	
Inches	1 1/4	3.25	5.94	3.44	97.0
mm		83	151	87	
Inches	1 1/2	3.25	6.38	3.75	135.0
mm		83	162	95	
Inches	2	3.63	7.69	4.25	230.0
mm		92	195	108	

† Non-Shock

INNOVATION IN EVERY VALVE

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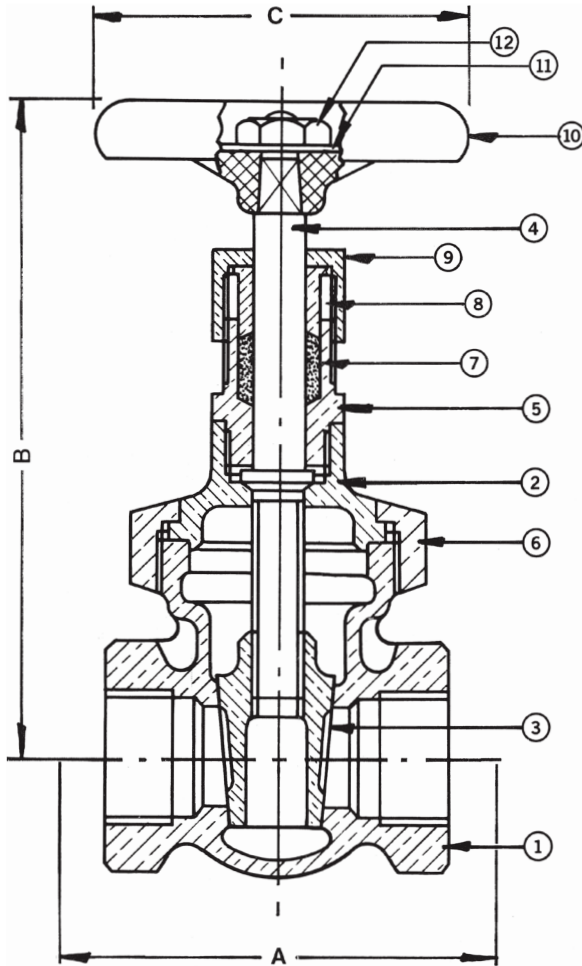


MILWAUKEE VALVE

1141 P2 1/2"-2"

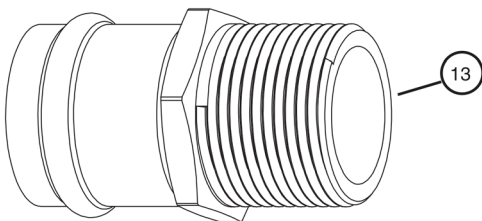


Bronze Gate Valve
200 psig @ 250°F†
Solid Wedge Disc • Non-Rising Stem
Union Bonnet • Press Ends
Conforms to: MSS SP-80



With Press Ends

Note: Not intended for use in potable water.



Press End Adapter (4151 Series)

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge Disc	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Stuffing Box	Bronze	ASTM B62
6	Union Bonnet Nut	Bronze	ASTM B62
7	Packing	Graphite	Commercial
8	Gland	Brass	ASTM B124 C37700
9	Packing Nut	Brass	ASTM B124 C37700
10	Handwheel	Mall. Iron	Commercial
11	Name Plate	Aluminum	Commercial
12	Handwheel Nut	Brass	Commercial
13	Press Adapter	Brass Fitting W/ EPDM O-Ring	ASTM B283 C27450

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	STD Insertion Depth	A	B	C	Cv
Inches mm	1/2	0.87 22	5.13 130	4.31 110	2.50 64	17.6
Inches mm	3/4	0.98 25	5.83 148	4.56 116	2.75 70	32
Inches mm	1	0.98 25	6.56 167	5.19 132	2.75 70	54
Inches mm	1 1/4	1.02 26	7.32 186	5.94 151	3.44 87	97
Inches mm	1 1/2	1.42 36	7.73 196	6.38 162	3.75 95	135
Inches mm	2	1.58 40	9.63 245	7.69 195	4.25 108	230

† Non-Shock

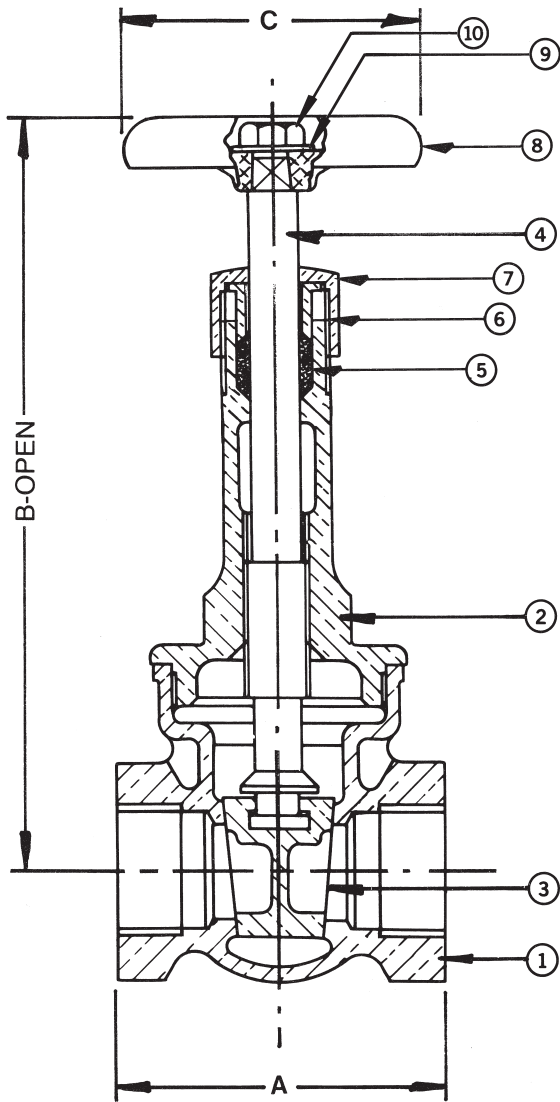


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WARNING: Cancer and Reproductive Harm. For more information visit www.p65warnings.ca.gov.



1150 1/4"-4"

**Bronze Gate Valve
150 SWP - 300 WOG †
Solid Wedge Disc • Rising Stem
Threaded Bonnet • Threaded Ends
Conforms to: MSS SP-80***



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge Disc	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Packing	Graphite	Commercial
6	Gland	Brass	ASTM B124 C37700
7	Packing Nut	Brass	ASTM B283 C37700
8	Handwheel	Mall. Iron	Commercial
9	Name Plate	Aluminum	Commercial
10	Handwheel Nut	Brass	Commercial

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches	1/4	1.75	4.38	2.00	5.6
mm		45	111	51	
Inches	3/8	1.81	4.38	2.00	10.7
mm		46	111	51	
Inches	1/2	2.00	4.38	2.00	17.6
mm		51	111	51	
Inches	3/4	2.18	5.84	2.50	32.0
mm		55	149	64	
Inches	1	2.56	7.06	2.75	54.0
mm		65	180	70	
Inches	1 1/4	2.78	8.78	3.44	97.0
mm		71	223	87	
Inches	1 1/2	2.81	9.50	3.75	135.0
mm		72	241	95	
Inches	2	3.31	11.50	3.75	230.0
mm		84	292	95	
Inches	2 1/2	4.19	14.31	4.75	337.0
mm		106	364	121	
Inches	3	4.63	16.63	5.25	536.0
mm		118	422	133	
Inches	4	5.50	15.50	5.25	960.0
mm		140	394	133	

† Non-Shock

* 4" is not covered in MSS SP-80. It has a split wedge and bolted bonnet.

INNOVATION IN EVERY VALVE

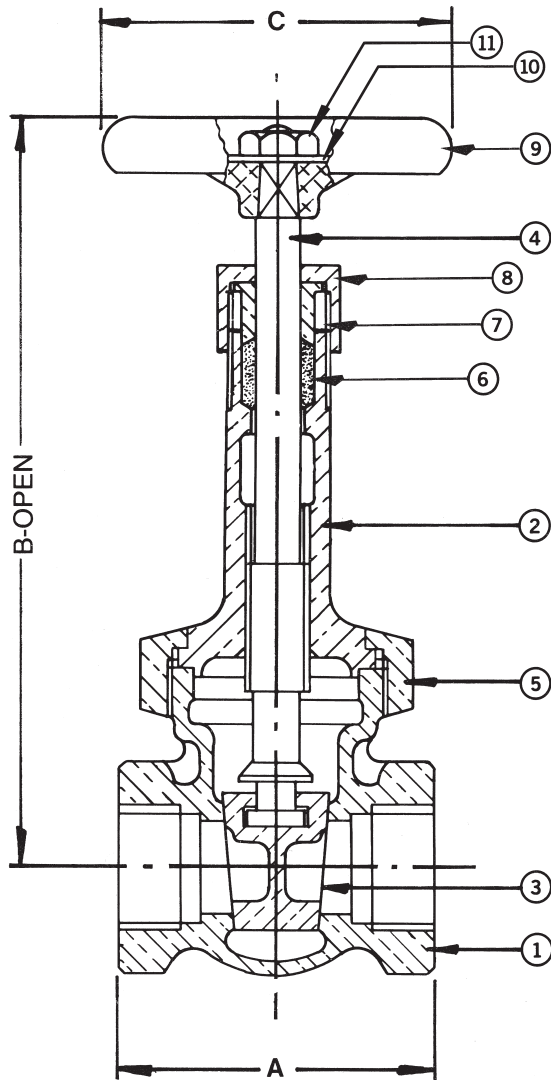
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MILWAUKEE VALVE

1151 1/4"-3"

Bronze Gate Valve
150 SWP - 300 WOG †
Solid Wedge Disc • Rising Stem
Union Bonnet • Threaded Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge Disc	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Union Bonnet Nut	Bronze	ASTM B62
6	Packing	Graphite	Commercial
7	Gland	Brass	Commercial
8	Packing Nut	Brass	Commercial
9	Handwheel	Mall. Iron	Commercial
10	Name Plate	Aluminum	Commercial
11	Handwheel Nut	Brass	Commercial

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches mm	1/4	1.75 45	5.13 130	2.00 51	5.6
Inches mm	3/8	1.88 48	5.13 130	2.00 51	10.7
Inches mm	1/2	2.13 54	5.50 140	2.50 64	17.6
Inches mm	3/4	2.25 57	6.25 159	2.75 70	32.0
Inches mm	1	2.56 65	7.19 183	2.75 70	54.0
Inches mm	1 1/4	2.78 71	8.56 218	3.44 87	97.0
Inches mm	1 1/2	3.25 83	9.63 245	3.75 95	135.0
Inches mm	2	3.63 92	11.75 299	4.25 108	230.0
Inches mm	2 1/2	4.50 114	14.50 368	4.75 121	337.0
Inches mm	3	4.88 124	16.75 426	5.25 133	536.0

† Non-Shock

INNOVATION IN EVERY VALVE

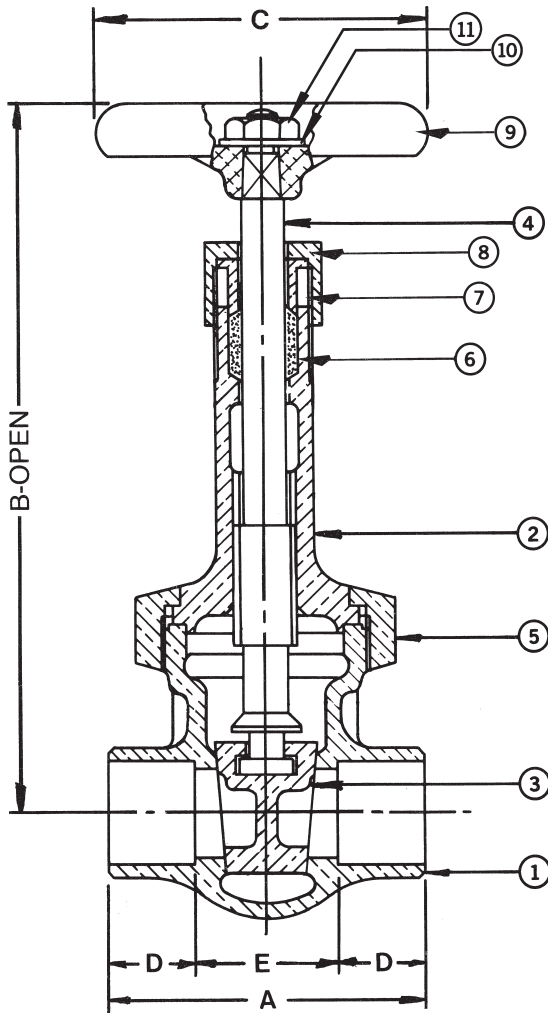
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MILWAUKEE VALVE

1169 3/8"-3"

Bronze Gate Valve
150 SWP - 300 WOG †
Solid Wedge Disc • Rising Stem
Union Bonnet • Solder Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Wedge Disc	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Union Bonnet Nut	Bronze	ASTM B62
6	Packing	Graphite	Commercial
7	Gland	Brass	ASTM B124 C37700
8	Packing Nut	Brass	ASTM B283 C37700
9	Handwheel	Mall. Iron	Commercial
10	Name Plate	Aluminum	Commercial
11	Handwheel Nut	Brass	Commercial

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	3/8	1.63 41	5.13 130	2.00 51	0.38 10	0.88 22	10.7
Inches mm	1/2	2.13 54	5.50 140	2.50 64	0.50 13	1.13 29	17.6
Inches mm	3/4	2.63 67	6.25 159	2.75 70	0.75 19	1.13 29	32.0
Inches mm	1	3.00 76	7.19 183	2.75 70	0.91 23	1.19 30	54.0
Inches mm	1 1/4	3.38 86	8.56 218	3.44 87	0.97 25	1.44 37	97.0
Inches mm	1 1/2	3.75 95	9.63 245	3.75 95	1.09 28	1.56 40	135.0
Inches mm	2	4.31 110	11.75 299	4.25 108	1.34 34	1.63 41	230.0
Inches mm	2 1/2	5.25 133	14.25 362	4.75 121	1.47 37	2.31 59	337.0
Inches mm	3	5.75 133	16.50 419	5.25 133	1.66 42	2.44 62	536.0

† Non-Shock

INNOVATION IN EVERY VALVE

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MILWAUKEE VALVE

118-FP 1"-2"

Bronze Gate Valve
175 WOG† • O.S. & Y

Solid Wedge Disc • Threaded Ends • Threaded Bonnet

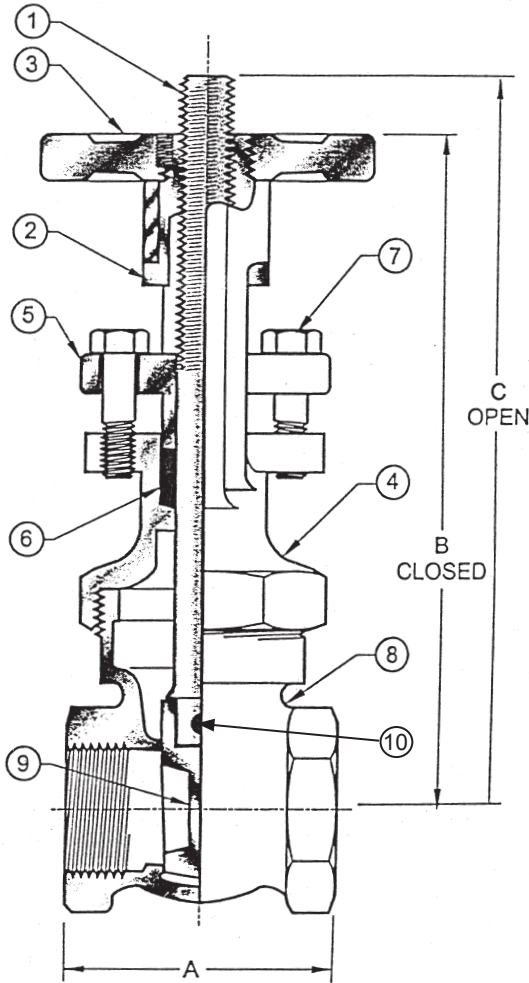
New York City Board of Standards and Approval

Approval: U.L. Listed, F.M., N.Y. C.B.S.A. No. 1079-81-SA



MEA255-93-E

FM Approved and UL Listed as Fig 118



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Stem	Brass	CDA-360
2	Yoke Bushing	Brass	CDA-360
3	Handwheel	Ductile Iron	
4	Bonnet	Bronze	CDA-844
5	Packing Gland	Brass	CDA-844
6	Packing	Graphite	
7	Gland Follower Bolt	Plated Steel	
8	Body	Bronze	B-584
9	Wedge	Bronze	B-584
10	Roll Pin	Bronze	

DIMENSIONS - INCHES/MILLIMETERS				
Units	Size	A	B	C
Inches mm	1	2.50 64	6.50 165	8.00 203
Inches mm	1 1/4	2.75 70	7.63 194	9.50 241
Inches mm	1 1/2	2.86 152	8.00 203	10.00 254
Inches mm	2	3.13 79	9.00 229	11.25 286

† Non-Shock

Note: Not intended for use in potable water.

INNOVATION IN EVERY VALVE

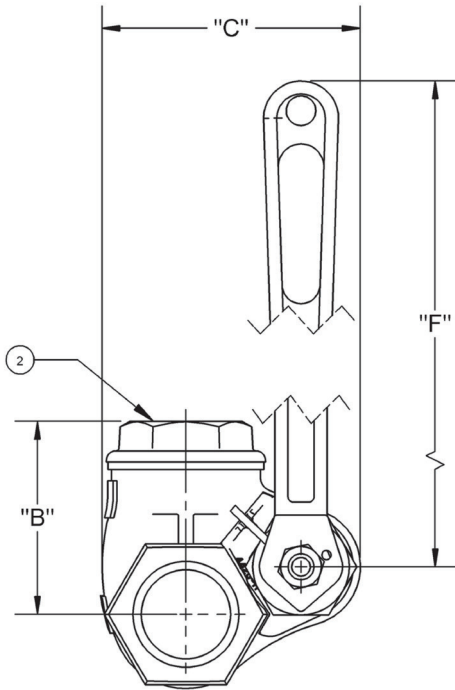
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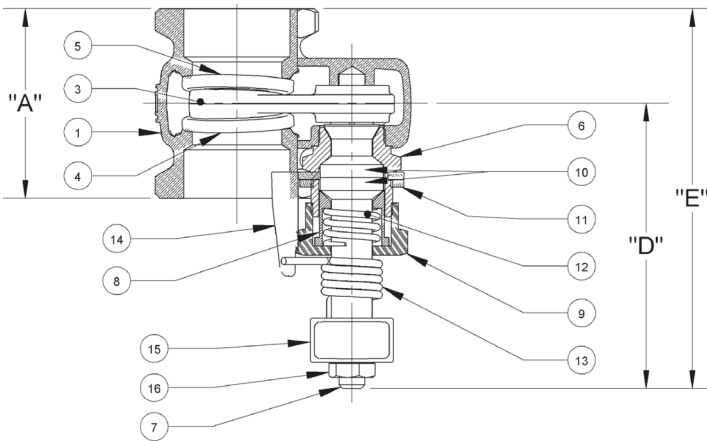
MILWAUKEE VALVE

P900 1"-3"

Bronze Gate Valve
150 SWP - 300 WOG†
Quick Opening • Self Closing
Lever Operated • Double Disc • Threaded Ends



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Cap	Bronze	ASTM B62
3	Lever	Bronze	ASTM B62
4	Male Disc	Brass	ASTM B16, 1"
		Bronze	ASTM B62, 1-1/4" to 3"
5	Female Disc	Brass	ASTM B16, 1"
		Bronze	ASTM B62, 1-1/4" to 3"
6	Bonnet	Bronze	ASTM B62
7	Stem	Brass	ASTM B16
8	Gland	Brass	ASTM B16
9	Packing Nut	Bronze	ASTM B62
10	Packing	Graphite	
11	Locknut Bracket	Bronze	ASTM B16
12	Gland Spring	Steel	
13	Spring, Torsion	Steel	
14	Spring Bracket	Bronze	ASTM B62
15	Handle Lever, Drilled	Steel	ASTM A216
16	Handle Nut	Steel	



DIMENSIONS - INCHES/MILLIMETERS								
Units	Size	A	B	C	D	E	F	Cv
Inches	1	2.50	2.38	3.37	4.31	5.56	7.00	54
mm		64	60	86	109	141	178	
Inches	1 1/4	2.88	2.81	3.84	4.44	5.88	8.19	97
mm		73	71	98	113	149	208	
Inches	1 1/2	3.18	3.25	4.34	4.79	6.38	10.50	135
mm		81	83	110	122	162	267	
Inches	2	3.75	4.12	5.31	5.41	7.28	10.50	230
mm		95	105	135	137	185	267	
Inches	2 1/2	4.25	4.50	5.94	5.47	7.59	11.51	337
mm		108	114	151	139	193	292	
Inches	3	4.75	5.63	7.02	5.59	7.97	11.50	536
mm		121	143	178	142	202	292	

Note: Not intended for use in potable water.

† Non-Shock

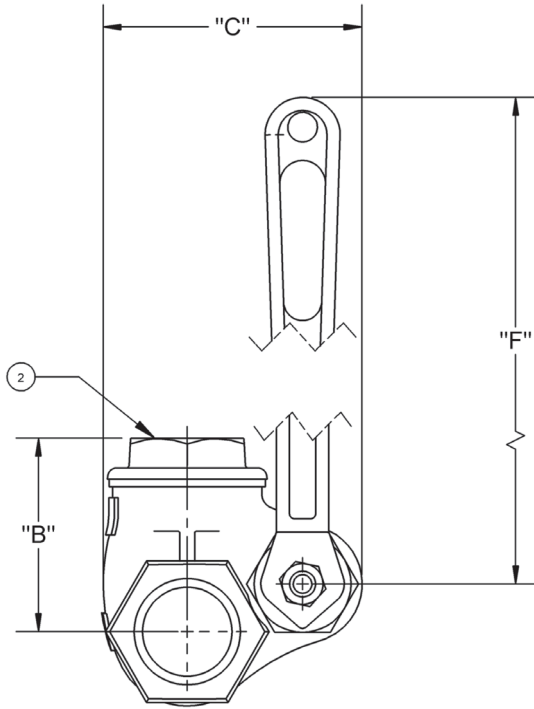
INNOVATION IN EVERY VALVE

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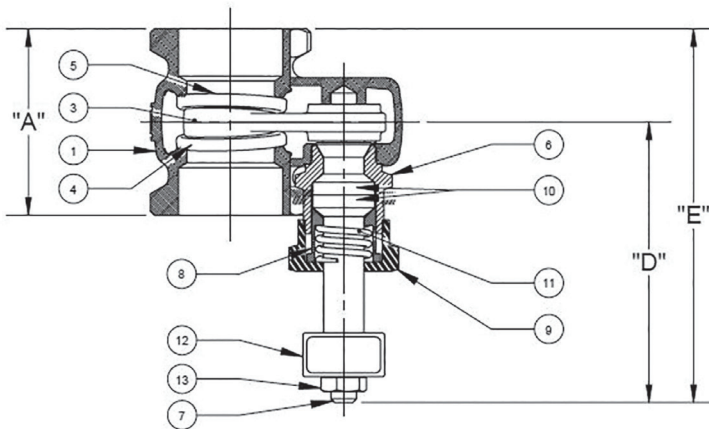
P901 1/2"-4"

Bronze Gate Valve
150 SWP - 300 WOG†
Quick Opening
Lever Operated • Double Disc • Threaded Ends



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Cap	Bronze	ASTM B62
3	Lever	Bronze	ASTM B62
4	Male Disc	Brass	ASTM B16, 1/2" to 1"
		Bronze	ASTM B62, 1-1/4" to 4"
5	Female Disc	Brass	ASTM B16, 1/2" to 1"
		Bronze	ASTM B62, 1-1/4" to 4"
6	Bonnet	Brass	ASTM B16, 1/2" to 3/4"
		Bronze	ASTM B62, 1" to 4"
7	Stem	Brass	ASTM B16
8	Gland	Brass	ASTM B16
9	Packing Nut	Brass	ASTM B16, 1/2" to 3/4"
		Bronze	ASTM B62, 1" to 4"
10	Packing	Graphite	
11	Gland Spring	Steel	
12	Handle Lever	Steel	ASTM A216
13	Handle Nut	Steel	

DIMENSIONS - INCHES/MILLIMETERS								
Units	Size	A	B	C	D	E	F	Cv
Inches	1/2	2.00	1.38	2.44	2.78	3.78	4.69	17.6
mm		51	35	62	71	96	119	
Inches	3/4	2.25	1.69	2.94	3.21	4.33	4.69	32
mm		57	43	75	82	110	119	
Inches	1	2.50	2.38	3.37	4.31	5.56	7.00	54
mm		64	60	86	109	141	178	
Inches	1 1/4	2.88	2.81	3.84	4.44	5.88	8.19	97
mm		73	71	98	113	149	208	
Inches	1 1/2	3.18	3.25	4.34	4.79	6.38	10.50	135
mm		81	83	110	122	162	267	
Inches	2	3.75	4.12	5.31	5.41	7.28	10.50	230
mm		95	105	135	137	185	267	
Inches	2 1/2	4.25	4.50	5.94	5.47	7.59	11.51	337
mm		108	114	151	139	193	292	
Inches	3	4.75	5.63	7.02	5.59	7.97	11.50	536
mm		121	143	178	142	202	292	
Inches	4	6.00	7.87	7.50	5.56	8.56	14.00	960
mm		152	200	191	141	217	356	



Note: Not intended for use in potable water.

† Non-Shock
 *4" SIZE HAS A BOLTED BONNET (NOT PICTURED)

INNOVATION IN EVERY VALVE

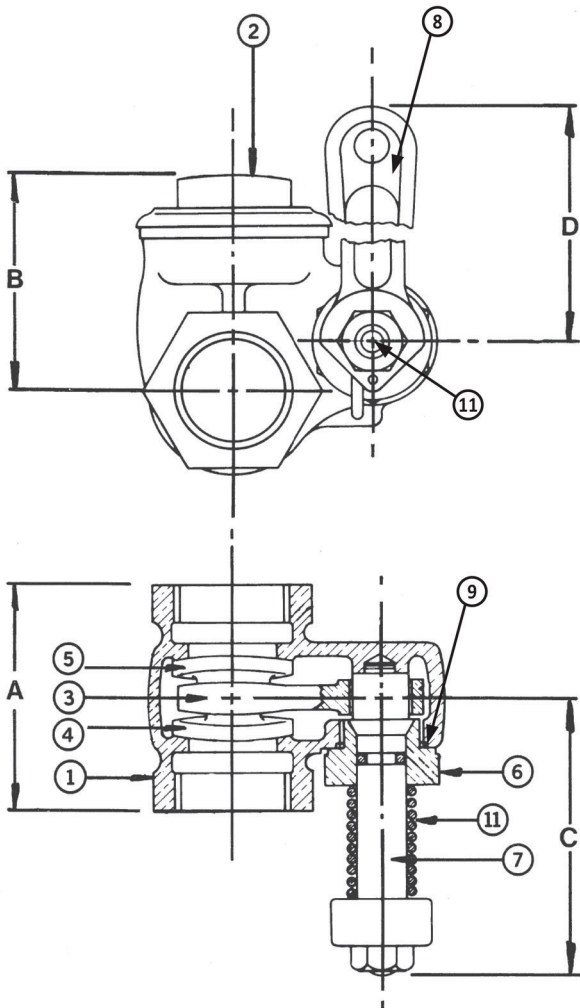
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WARNING: Cancer and Reproductive Harm. For more information visit www.p65warnings.ca.gov.



P902 3/4"-1 1/4"

Bronze Gate Valve
150 WOG†

Quick Opening • Self Closing
Lever Operated • Double Disc • Threaded Ends



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Cap	Bronze	ASTM B62
3	Lever	Bronze	ASTM B62
4	Male Disc	Brass	ASTM B16, 3/4"
		Bronze	ASTM B62, 1-1/4"
5	Female Disc	Brass	ASTM B16, 3/4"
		Bronze	ASTM B62, 1-1/4"
6	Bonnet (Center Piece)	Bronze	ASTM B62
7	Stem	Brass	ASTM B16
8	Lever Handle	Steel	ASTM A216
9	O-Ring	Buna-N	
10	Handle Nut	Steel	
11	Torsion Spring	Spring Steel-Cadmium Plated	

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	Cv
Inches	3/4	2.25	2.19	2.50	4.75	32
mm		57	56	64	121	
Inches	1 1/4	2.88	2.88	2.94	8.19	97
mm		73	73	75	208	

† Non-Shock

Note: Not intended for use in potable water.

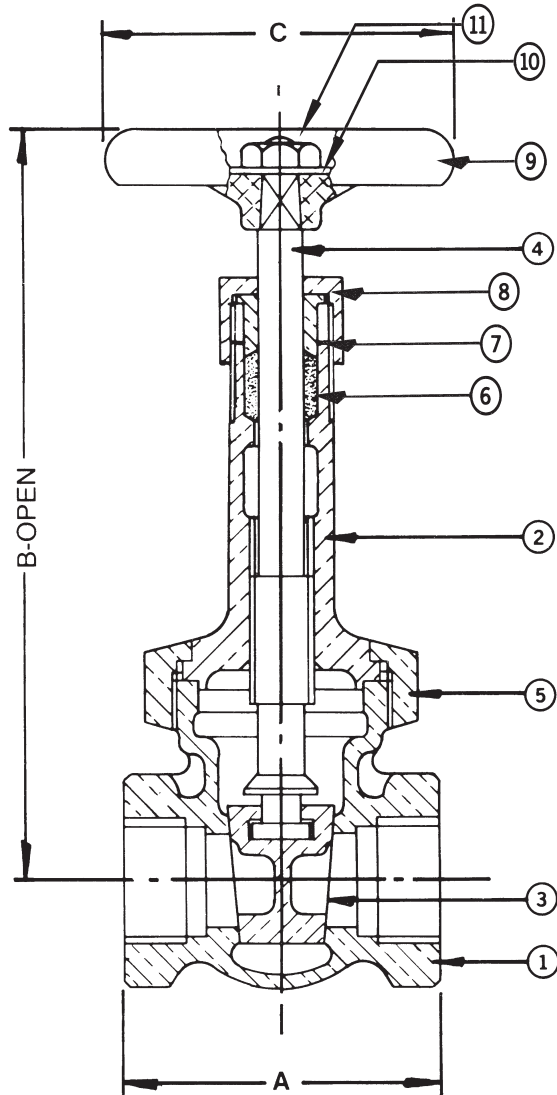
INNOVATION IN EVERY VALVE

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MILWAUKEE VALVE

1153 1/4"-3"

Bronze Gate Valve
200 SWP - 400 WOG †
Solid Wedge Disc • Rising Stem
Union Bonnet • Threaded Ends
Conforms to: MSS SP-80



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Wedge Disc	Bronze	ASTM B61
4	Stem	Bronze	ASTM B61
5	Union Bonnet Nut	Bronze	ASTM B61
6	Packing	Graphite	Commercial
7	Gland	Brass	ASTM B 124 C37700
8	Packing Nut	Brass	ASTM B 283 C37700
9	Handwheel	Mall. Iron	Commercial
10	Name Plate	Aluminum	Commercial
11	Handwheel Nut	Brass	Commercial

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches mm	1/4	1.75 45	5.13 130	2.00 51	5.6
Inches mm	3/8	1.88 47	5.13 130	2.00 51	10.7
Inches mm	1/2	2.25 57	5.50 140	2.50 64	17.6
Inches mm	3/4	2.50 64	6.25 159	2.75 70	32.0
Inches mm	1	2.88 73	7.19 183	2.75 70	54.0
Inches mm	1 1/4	3.25 83	8.56 218	3.44 87	97.0
Inches mm	1 1/2	3.50 89	9.56 243	3.75 95	135.0
Inches mm	2	3.75 95	11.75 299	4.25 108	230.0
Inches mm	2 1/2	4.63 118	14.50 368	4.75 121	337.0
Inches mm	3	5.00 127	16.75 426	5.50 140	536.0

Note: Not intended for use in potable water.

† Non-Shock

INNOVATION IN EVERY VALVE

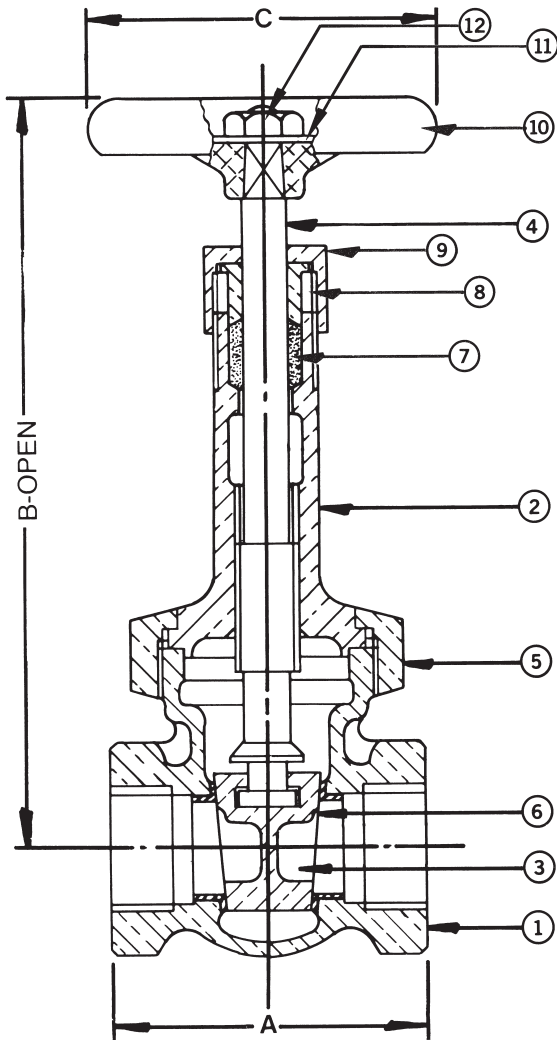
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MILWAUKEE VALVE

1156 1/4"-2"

**Bronze Gate Valve
200 SWP - 400 WOG †
Solid Wedge Disc • Rising Stem
Union Bonnet • Threaded Ends • Cu-Ni Seat
Conforms to: MSS SP-80**



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Wedge Disc	Bronze	ASTM B61
4	Stem	Bronze	ASTM B61
5	Union Bonnet Nut	Bronze	ASTM B61
6	Seat Ring	Cu-Ni	90-10
7	Packing	Graphite	Commercial
8	Gland	Brass	ASTM B 124 C37700
9	Packing Nut	Brass	ASTM B 283 C37700
10	Handwheel	Mall. Iron	Commercial
11	Name Plate	Aluminum	Commercial
12	Handwheel Nut	Brass	Commercial

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches mm	1/4	1.81 46	5.13 130	2.00 51	5.6
Inches mm	3/8	1.88 48	5.13 130	2.00 51	10.7
Inches mm	1/2	2.25 57	5.50 140	2.50 64	17.6
Inches mm	3/4	2.50 64	6.25 159	2.75 70	32.0
Inches mm	1	2.88 73	7.19 183	2.75 70	54.0
Inches mm	1 1/4	3.25 83	8.56 218	3.44 87	97.0
Inches mm	1 1/2	3.50 89	9.56 243	3.75 95	135.0
Inches mm	2	3.75 95	11.75 299	4.25 108	230.0

† Non-Shock

Note: Not intended for use in potable water.

INNOVATION IN EVERY VALVE

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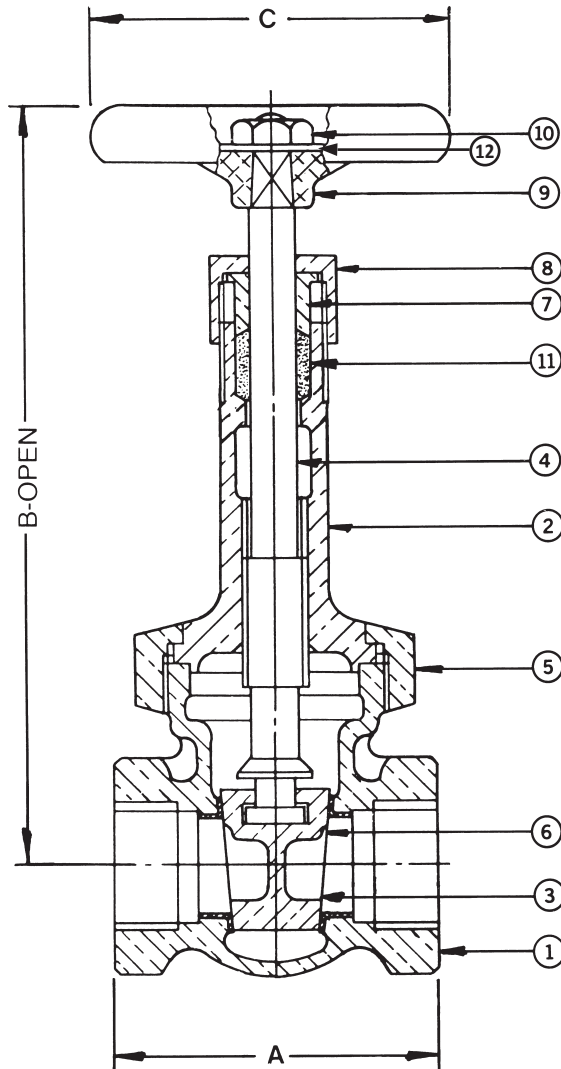


MILWAUKEE VALVE

1174 1/4"-3"

**Bronze Gate Valve
200 SWP - 400 WOG †
Solid Wedge Disc • Rising Stem
Union Bonnet • Threaded Ends • Stainless Seat
Conforms to: MSS SP-80**

Wear-resistant stainless seat rings are securely expanded into the body to assure trouble-free service. Normal seating wear is restricted to the bronze wedge and can be easily replaced.



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Wedge Disc	Bronze	ASTM B61
4	Stem	Bronze	ASTM B61
5	Union Bonnet Nut	Bronze	ASTM B61
6	Seat Ring	St. Steel	ASTM A 240 TY304
7	Gland	Brass	ASTM B 124 C37700
8	Packing Nut	Brass	ASTM B 283 C37700
9	Handwheel	Mall. Iron	Commercial
10	Handwheel Nut	Brass	Commercial
11	Packing	Graphite	Commercial
12	Identification Plate	Aluminum	Commercial

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches mm	1/4	1.81 46	5.13 130	2.00 51	5.6
Inches mm	3/8	1.88 48	5.13 130	2.00 51	10.7
Inches mm	1/2	2.25 57	5.50 140	2.50 64	17.6
Inches mm	3/4	2.50 64	6.25 159	2.75 70	32.0
Inches mm	1	2.88 73	7.19 183	2.75 70	54.0
Inches mm	1 1/4	3.25 83	8.56 218	3.44 87	97.0
Inches mm	1 1/2	3.50 89	9.63 245	3.75 95	135.0
Inches mm	2	3.75 95	11.75 299	4.25 108	230.0
Inches mm	2 1/2	4.63 118	14.50 368	4.75 121	337.0
Inches mm	3	5.00 127	16.75 426	5.50 140	536.0

† Non-Shock

INNOVATION IN EVERY VALVE

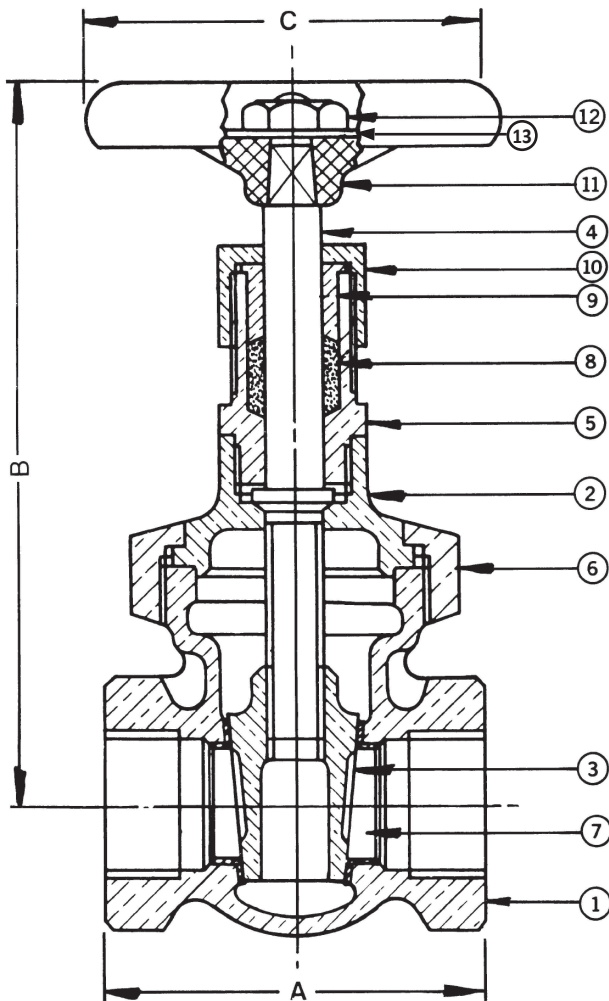
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MILWAUKEE VALVE

1176 1/4"-2"

Bronze Gate Valve 200 SWP - 400 WOG † Solid Wedge Disc • Non-Rising Stem Union Bonnet • Threaded Ends • Stainless Seat Conforms to: MSS SP-80

Wear-resistant stainless seat rings are securely expanded into the body to assure trouble-free service. Normal seating wear is restricted to the bronze wedge and can be easily replaced.



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Wedge Disc	Bronze	ASTM B61
4	Stem	Bronze	ASTM B61
5	Stuffing Box	Brass	ASTM B 283 C37700
6	Union Bonnet Nut	Bronze	ASTM B61
7	Seat Ring	St. Steel	ASTM A 240 TY304
8	Packing	Graphite	Commercial
9	Gland	Brass	ASTM B 124 C37700
10	Packing Nut	Brass	ASTM B 283 C37700
11	Handwheel	Mall. Iron	Commercial
12	Handwheel Nut	Brass	Commercial
13	Name Plate	Aluminum	Commercial

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches	1/4	1.81	4.13	2.00	5.6
mm		46	105	51	
Inches	3/8	1.88	4.13	2.00	10.7
mm		48	105	51	
Inches	1/2	2.25	4.31	2.50	17.6
mm		57	110	64	
Inches	3/4	2.50	4.56	2.75	32.0
mm		64	116	70	
Inches	1	2.88	5.19	2.75	54.0
mm		73	132	70	
Inches	1 1/4	3.25	5.94	3.44	97.0
mm		83	151	87	
Inches	1 1/2	3.50	6.38	3.75	135.0
mm		89	162	95	
Inches	2	3.75	7.69	4.25	230.0
mm		95	195	108	

† Non-Shock

Note: Not intended for use in potable water.

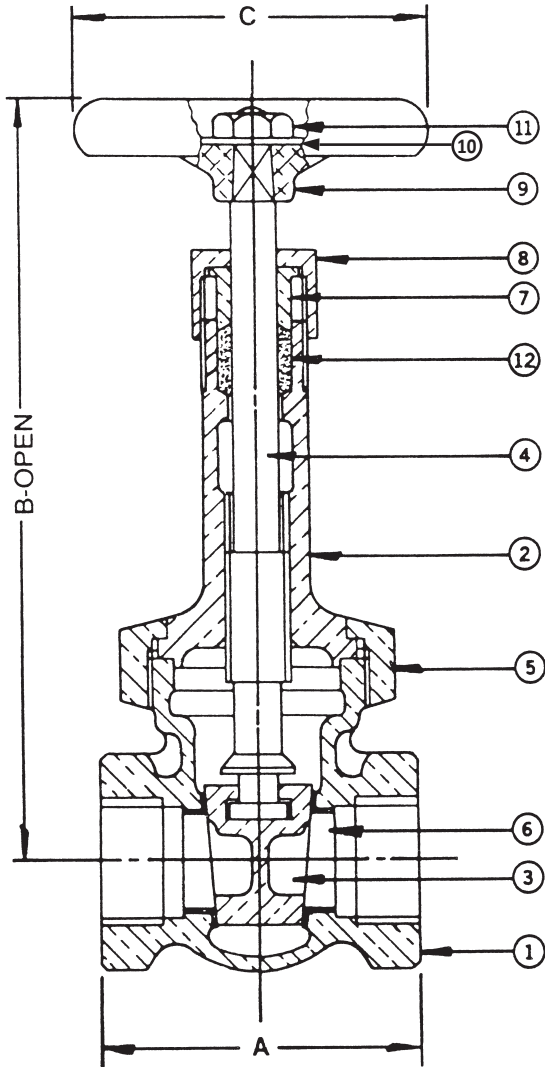
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MILWAUKEE VALVE

1182 1/4"-2"

**Bronze Gate Valve
300 SWP - 1000 WOG †
Solid Wedge Disc • Rising Stem
Union Bonnet • Threaded Ends • Cu-Ni Seat
Conforms to: MSS SP-80**



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Wedge Disc	Bronze	ASTM B61
4	Stem	Bronze	ASTM B61
5	Union Bonnet Nut	Bronze	ASTM B61
6	Seat Ring	Cu-Ni	90-10
7	Gland	Brass	ASTM B 124 C37700
8	Packing Nut	Brass	ASTM B 283 C37700
9	Handwheel	Mall. Iron	Commercial
10	Name Plate	Aluminum	Commercial
11	Handwheel Nut	Brass	Commercial
12	Packing	Graphite	Commercial

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches mm	1/4	1.81 46	5.13 130	2.00 51	5.6
Inches mm	3/8	1.88 48	5.13 130	2.00 51	10.7
Inches mm	1/2	2.25 57	5.50 140	2.50 64	17.6
Inches mm	3/4	2.50 64	6.25 159	2.75 70	32.0
Inches mm	1	3.00 76	7.19 183	2.75 70	54.0
Inches mm	1 1/4	3.38 86	8.56 218	3.44 87	97.0
Inches mm	1 1/2	3.50 89	9.63 245	3.75 95	135.0
Inches mm	2	3.75 95	11.75 299	4.25 108	230.0

† Non-Shock

INNOVATION IN EVERY VALVE

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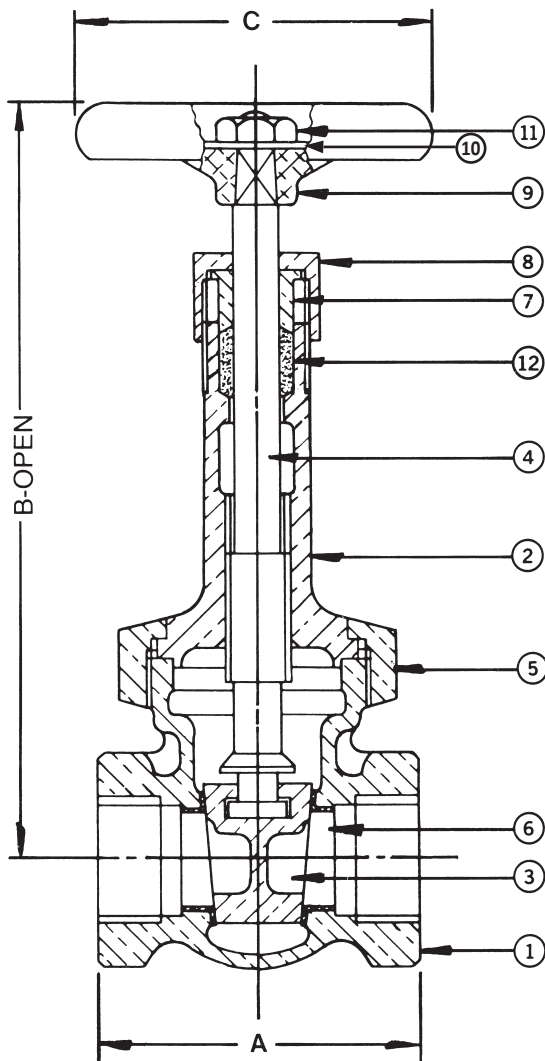


MILWAUKEE VALVE

1184 1/4"-3"

Bronze Gate Valve
300 SWP - 1000 WOG †
Solid Wedge Disc • Rising Stem
Union Bonnet • Threaded Ends • Stainless Seat
Conforms to: MSS SP-80

Wear-resistant stainless seat rings are securely expanded into the body to assure trouble-free service. Normal seating wear is restricted to the bronze wedge and can be easily replaced.



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Wedge Disc	Bronze	ASTM B61
4	Stem	Bronze	ASTM B61
5	Union Bonnet Nut	Bronze	ASTM B61
6	Seat Ring	St. Steel	ASTM A 240 TY304
7	Gland	Brass	ASTM B 124 C37700
8	Packing Nut	Brass	ASTM B 283 C37700
9	Handwheel	Mall. Iron	Commercial
10	Name Plate	Aluminum	Commercial
11	Handwheel Nut	Brass	Commercial
12	Packing	Graphite	Commercial

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches mm	1/4	1.81 46	5.13 130	2.00 51	5.6
Inches mm	3/8	1.88 48	5.13 130	2.00 51	10.7
Inches mm	1/2	2.25 57	5.50 140	2.50 64	17.6
Inches mm	3/4	2.50 64	6.25 159	2.75 70	32.0
Inches mm	1	3.00 76	7.19 183	2.75 70	54.0
Inches mm	1 1/4	3.38 86	8.56 218	3.44 87	97.0
Inches mm	1 1/2	3.50 89	9.63 245	3.75 95	135.0
Inches mm	2	3.75 95	11.75 299	4.25 108	230.0
Inches mm	2 1/2	4.63 118	14.50 368	4.75 121	337.0
Inches mm	3	5.00 127	16.75 426	5.50 140	536.0

† Non-Shock

INNOVATION IN EVERY VALVE

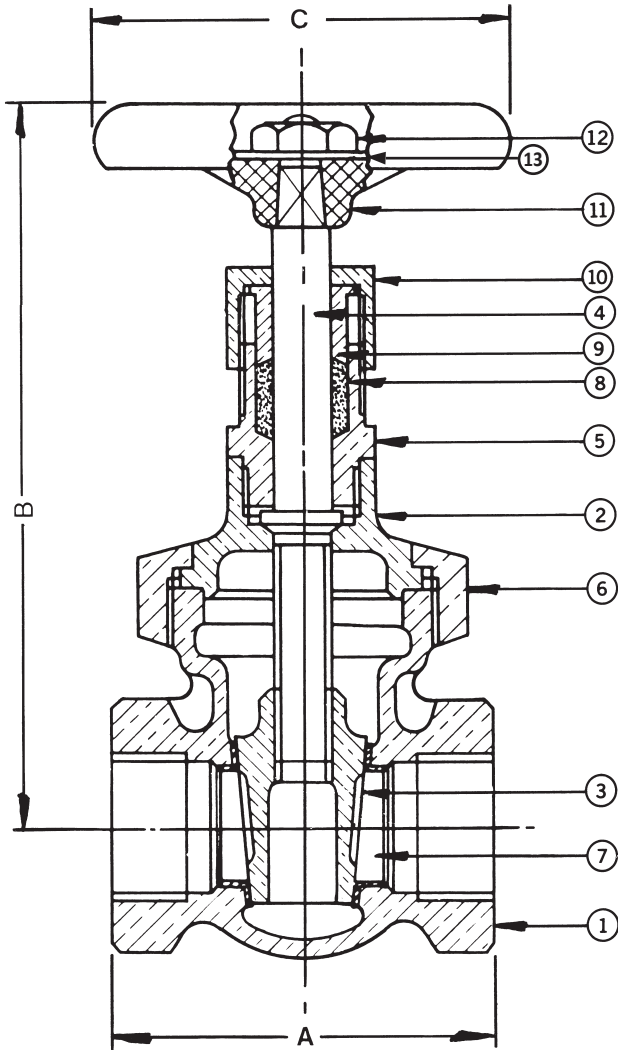
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MILWAUKEE VALVE

1186 1/4"-2"

Bronze Gate Valve
300 SWP - 1000 WOG †
Solid Wedge Disc • Non-Rising Stem
Union Bonnet • Threaded Ends • Stainless Seat
Conforms to: MSS SP-80

Wear-resistant stainless seat rings are securely expanded into the body to assure trouble-free service. Normal seating wear is restricted to the bronze wedge and can be easily replaced.



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Wedge Disc	Bronze	ASTM B61
4	Stem	Bronze	ASTM B61
5	Stuffing Box	Bronze	ASTM B61
6	Union Bonnet Nut	Bronze	ASTM B61
7	Seat Ring	St. Steel	ASTM A 240 TY304
8	Packing	Graphite	Commercial
9	Gland	Brass	ASTM B 124 C37700
10	Packing Nut	Brass	ASTM B 283 C37700
11	Handwheel	Mall. Iron	Commercial
12	Handwheel Nut	Brass	Commercial
13	Name Plate	Aluminum	Commercial

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches	1/4	1.81	4.13	2.00	5.6
mm		46	105	51	
Inches	3/8	1.88	4.13	2.00	10.7
mm		48	105	51	
Inches	1/2	2.25	4.31	2.50	17.6
mm		57	110	64	
Inches	3/4	2.50	4.56	2.75	32.0
mm		64	116	70	
Inches	1	3.00	5.19	2.75	54.0
mm		76	132	70	
Inches	1 1/4	3.38	5.94	3.44	97.0
mm		86	151	87	
Inches	1 1/2	3.50	6.38	3.75	135.0
mm		89	162	95	
Inches	2	3.75	7.69	4.25	230.0
mm		95	195	108	

† Non-Shock

INNOVATION IN EVERY VALVE

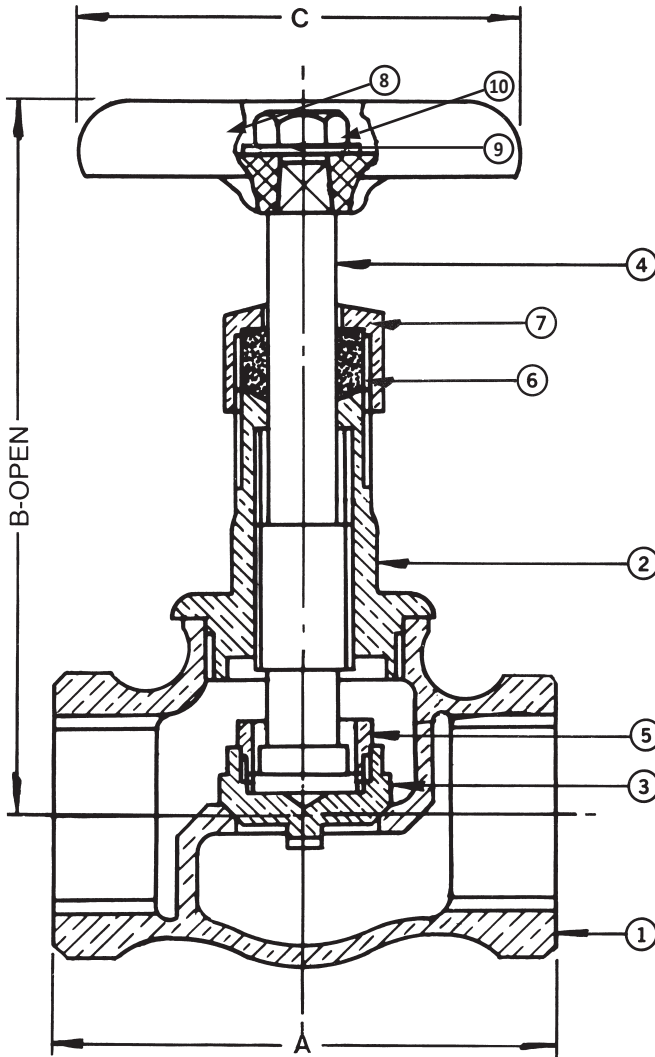
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MILWAUKEE VALVE

502 1/8" - 3"

Bronze Globe Valve
125 SWP - 200 WOG †
Threaded Bonnet • Threaded Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Brass	ASTM B16, 1/8" - 1/2"
		Bronze	ASTM B62, 3/4" - 3"
3	Disc*	Brass	ASTM B453, 3/4" - 1-1/4"
		Bronze	ASTM B62, 1-1/2" - 3"
4	Stem	Brass	ASTM B505
5	Disc Ring*	Brass	ASTM B16, 3/4" - 2", 3"
		Bronze	ASTM B62, 2-1/2"
6	Packing	Graphite	Commercial
7	Packing Nut	Brass	ASTM B16, 1/8" - 3/4", 1-1/4" - 2"
		Brass	ASTM B283, 1"
		Bronze	ASTM B584, 2-1/2"
		Bronze	ASTM B62, 3"
8	Handwheel	Mall. Iron	Commercial
9	Name Plate	Aluminum	Commercial
10	Handwheel Nut	Brass	Commercial
11	Gland (not shown)	Brass	ASTM B16, 2-1/2" and 3" only

* 1/8" to 1/2" sizes have the disc integral with the stem

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches mm	1/8	1.63 41	3.06 78	2.00 51	0.61
Inches mm	1/4	1.63 41	3.06 78	2.00 51	1.16
Inches mm	3/8	1.81 46	3.19 81	2.00 51	2.21
Inches mm	1/2	2.31 59	3.63 92	2.00 51	3.64
Inches mm	3/4	2.56 65	3.94 100	2.50 64	6.65
Inches mm	1	2.94 75	4.38 111	2.75 70	11.10
Inches mm	1 1/4	3.38 86	5.19 132	3.44 87	20.00
Inches mm	1 1/2	3.69 94	5.75 146	3.75 95	28.00
Inches mm	2	4.44 113	6.75 172	4.25 108	48.00
Inches mm	2 1/2	5.75 146	8.63 219	4.75 121	70.00
Inches mm	3	7.50 191	9.25 235	5.50 140	111.00

† Non-Shock

INNOVATION IN EVERY VALVE

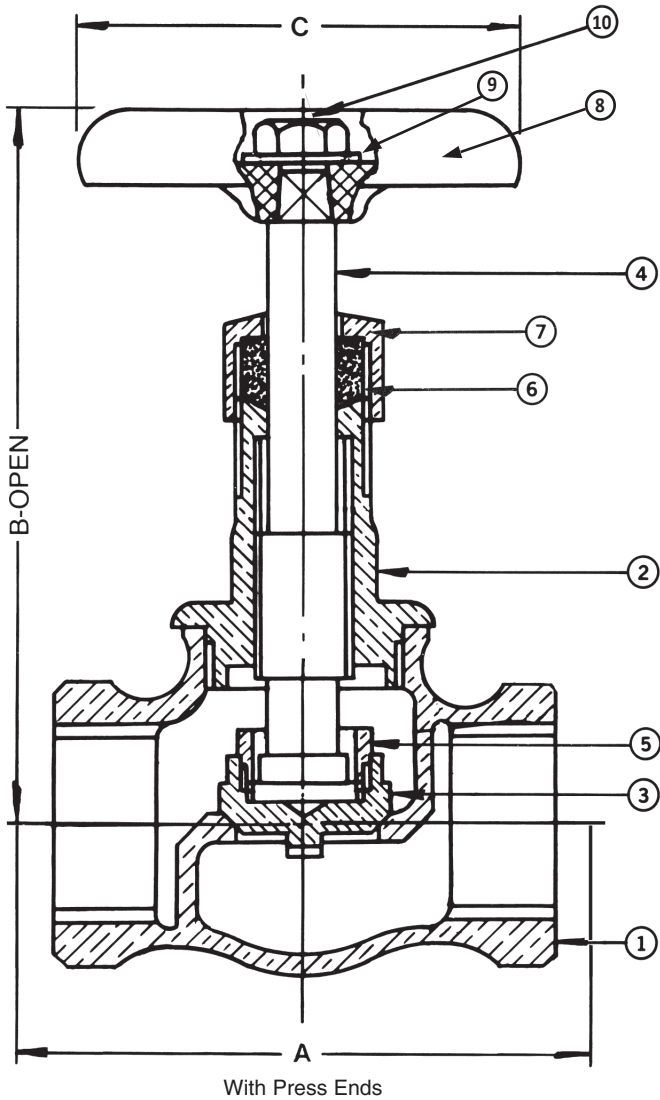
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MILWAUKEE VALVE

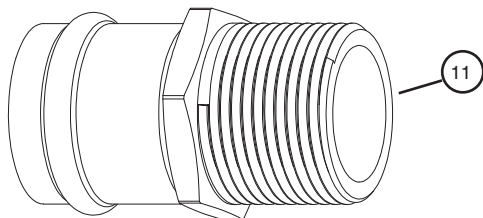
502 P2 1/2"-2"

ULTRAPRESS®

Bronze Globe Valve
200 psig @ 250°F †
Threaded Bonnet • Press Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.



Press End Adapter (4151 Series)

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Brass	ASTM B16, 1/2"
		Bronze	ASTM B62, 3/4" - 2"
3	Disc*	Brass	ASTM B453, 3/4" - 1-1/4"
		Bronze	ASTM B62, 1-1/2" - 2"
4	Stem	Brass	ASTM B505
5	Disc Ring*	Brass	ASTM B16, 3/4" - 2"
6	Packing	Graphite	Commercial
7	Packing Nut	Brass	ASTM B16, 1/2" - 3/4", 1-1/4"-2"
		Brass	ASTM B283, 1"
8	Handwheel	Mall. Iron	ASTM A47
9	Name Plate	Aluminum	Commercial
10	Handwheel Nut	Brass	ASTM B16
11	Press Adapter	Brass W/ EPDM O-Ring	ASTM B927

* 1/2" size has the disc integral with the stem and has no disc ring

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	STD Insertion Depth	A	B	C	C _v
Inches mm	1/2	0.87 22	5.31 135	3.63 92	2.00 51	3.64
Inches mm	3/4	0.98 25	6.14 156	3.94 100	2.50 64	6.65
Inches mm	1	0.98 25	6.94 176	4.38 111	2.75 70	11.10
Inches mm	1 1/4	1.02 26	7.45 189	5.19 132	3.44 87	20.00
Inches mm	1 1/2	1.42 36	8.17 208	5.75 146	3.75 95	28.00
Inches mm	2	1.58 40	10.44 265	6.75 172	4.25 108	48.00

† Non-Shock

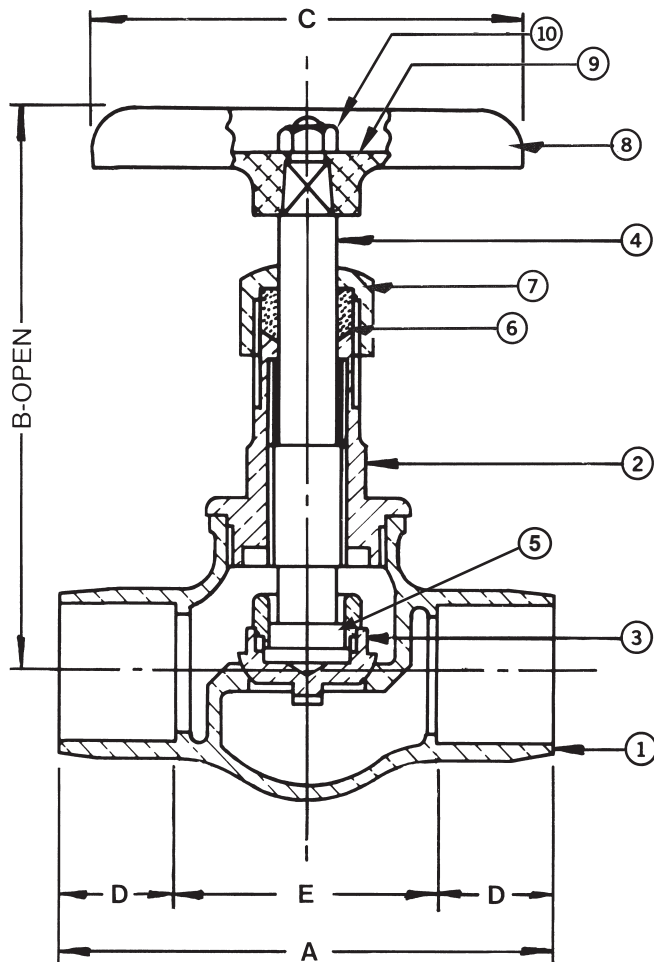
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WARNING: Cancer and Reproductive Harm. For more information visit www.p65warnings.ca.gov.


MILWAUKEE VALVE

1502 3/8"-2"

Bronze Globe Valve
125 SWP - 200 WOG †
Bronze Disc
Threaded Bonnet • Solder Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Disc*	Bronze	ASTM B62
4	Stem	Bronze	ASTM B16
5	Disc Ring	Brass	ASTM B16 3/4" to 2" Incl.
6	Packing	Graphite	Commercial
7	Packing Nut	Brass	ASTM B16
8	Handwheel	Mall. Iron	Commercial
9	Name Plate	Aluminum	Commercial
10	Handwheel Nut	Brass	Commercial

* 3/8" and 1/2" sizes have the disc integral with the stem and have no disc ring. 3/4" - 1 1/4" sizes Disc material is ASTM B453 C34500

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	3/8	1.94 49	3.19 82	2.00 51	0.38 10	1.18 30	2.21
Inches mm	1/2	2.44 62	3.75 95	2.00 51	0.50 13	1.44 37	3.64
Inches mm	3/4	3.19 81	4.00 102	2.50 64	0.75 19	1.69 43	6.65
Inches mm	1	3.69 94	4.38 111	2.75 70	0.91 23	1.88 43	11.10
Inches mm	1 1/4	4.19 106	5.13 130	3.44 87	0.97 25	2.25 57	20.00
Inches mm	1 1/2	4.75 121	5.63 143	3.75 95	1.09 28	2.56 65	28.00
Inches mm	2	5.94 151	6.69 170	4.25 121	1.34 34	3.25 83	48.00

† Non-Shock

INNOVATION IN EVERY VALVE

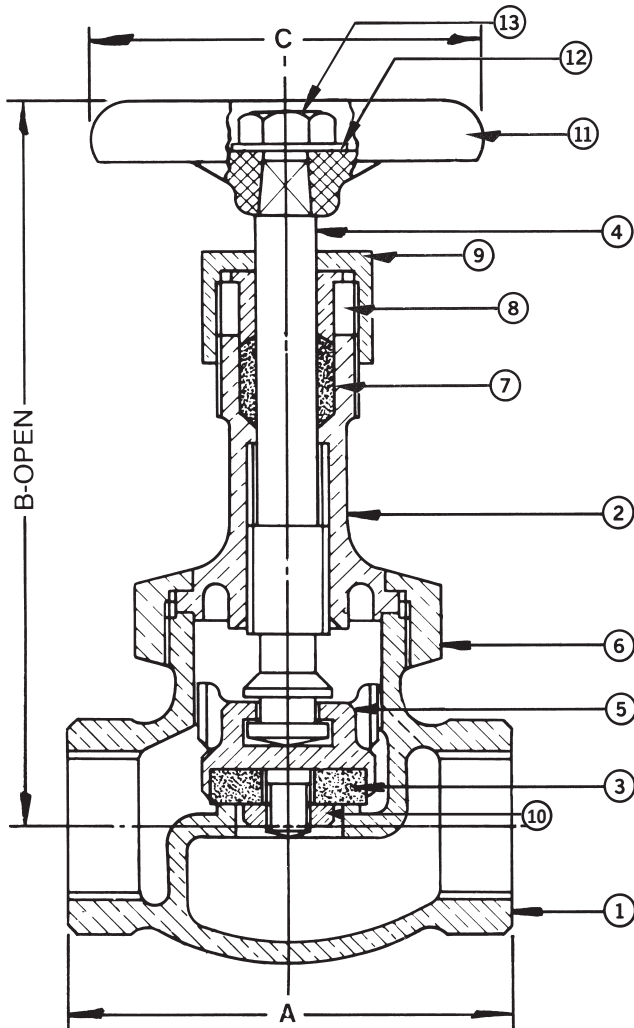
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MILWAUKEE VALVE

590T 1/8"-3"

**Bronze Globe Valve
150 SWP - 300 WOG †
Teflon Disc**

**Union Bonnet • Threaded Ends
Conforms to: MSS SP-80**



Note: Not intended for use in potable water.

MATERIAL LIST

No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Disc	Teflon	
4	Stem	Bronze	ASTM B62
5	Disc Holder	Bronze	ASTM B16 1/4" to 3/4" ASTM B62 1" to 3"
6	Union Bonnet Nut	Bronze	ASTM B62
7	Packing	Graphite	Commercial
8	Gland	Brass	ASTM B 124 C37700
9	Packing Nut	Brass	ASTM B 283 C37700
10	Disc Nut	Bronze	Commercial
11	Handwheel	Mall. Iron	Commercial
12	Name Plate	Aluminum	Commercial
13	Handwheel Nut	Brass	Commercial

DIMENSIONS - INCHES/MILLIMETERS

Units	Size	A	B	C	C _v
Inches mm	1/8	2.06 52	3.94 100	2.00 51	0.61
Inches mm	1/4	2.06 52	3.94 100	2.00 51	1.16
Inches mm	3/8	2.06 52	4.25 108	2.00 51	2.21
Inches mm	1/2	2.44 62	4.56 116	2.50 64	3.64
Inches mm	3/4	2.94 75	5.19 132	2.75 70	6.65
Inches mm	1	3.44 87	5.50 140	3.44 87	11.10
Inches mm	1 1/4	3.88 98	6.25 159	3.75 95	20.00
Inches mm	1 1/2	4.50 114	7.13 181	3.75 95	28.00
Inches mm	2	5.75 146	8.88 226	4.75 121	48.00
Inches mm	2 1/2	6.75 172	10.63 270	5.50 140	70.00
Inches mm	3	8.00 203	12.13 308	6.00 152	111.00

† Non-Shock

INNOVATION IN EVERY VALVE

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MILWAUKEE VALVE

590T P2 1/2"-2"

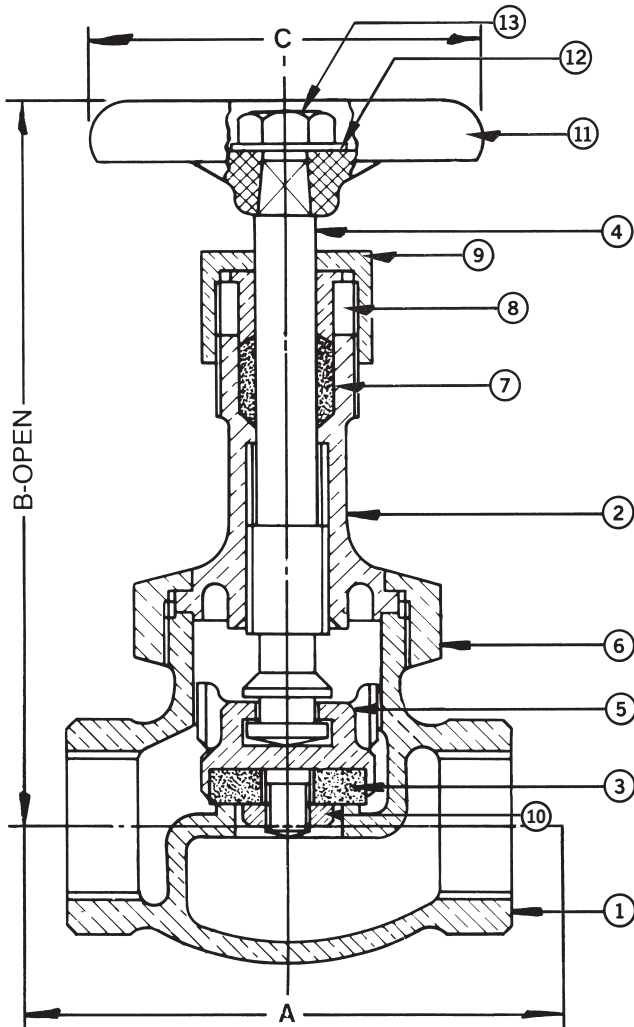
ULTRAPRESS®

Bronze Globe Valve
200 psig @ 250°F †

Teflon Disc

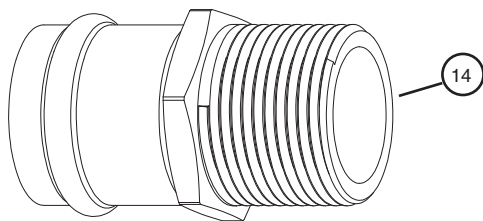
Union Bonnet • Press Ends

Conforms to: MSS SP-80



With Press Ends

Note: Not intended for use in potable water.



Press End Adapter (4151 Series)

MATERIAL LIST

No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Disc	Teflon	
4	Stem	Bronze	ASTM B62
5	Disc Holder	Bronze	ASTM B16 1/4" to 3/4" ASTM B62 1" to 2"
6	Union Bonnet Nut	Bronze	ASTM B62
7	Packing	Graphite	Commercial
8	Gland	Brass	ASTM B 124 C37700
9	Packing Nut	Brass	ASTM B 124 C37700
10	Disc Nut	Bronze	Commercial
11	Handwheel	Mall. Iron	Commercial
12	Name Plate	Aluminum	Commercial
13	Handwheel Nut	Brass	Commercial
14	Press Adapters	Brass Fitted W/EPDM O-Ring	ASTM C27450

DIMENSIONS - INCHES/MILLIMETERS

Units	Size	STD Insertion Depth	A	B	C	C _v
Inches	1/2	0.87	5.44	4.56	2.50	3.64
mm		22	138	116	64	
Inches	3/4	0.98	6.52	5.19	2.75	6.65
mm		25	166	132	70	
Inches	1	0.98	7.44	5.50	3.44	11.10
mm		25	189	140	87	
Inches	1 1/4	1.02	7.95	6.25	3.75	20.00
mm		26	202	159	95	
Inches	1 1/2	1.42	8.98	7.13	3.75	28.00
mm		36	228	181	95	
Inches	2	1.58	11.75	8.88	4.75	48.00
mm		40	298	226	121	

† Non-Shock

INNOVATION IN EVERY VALVE

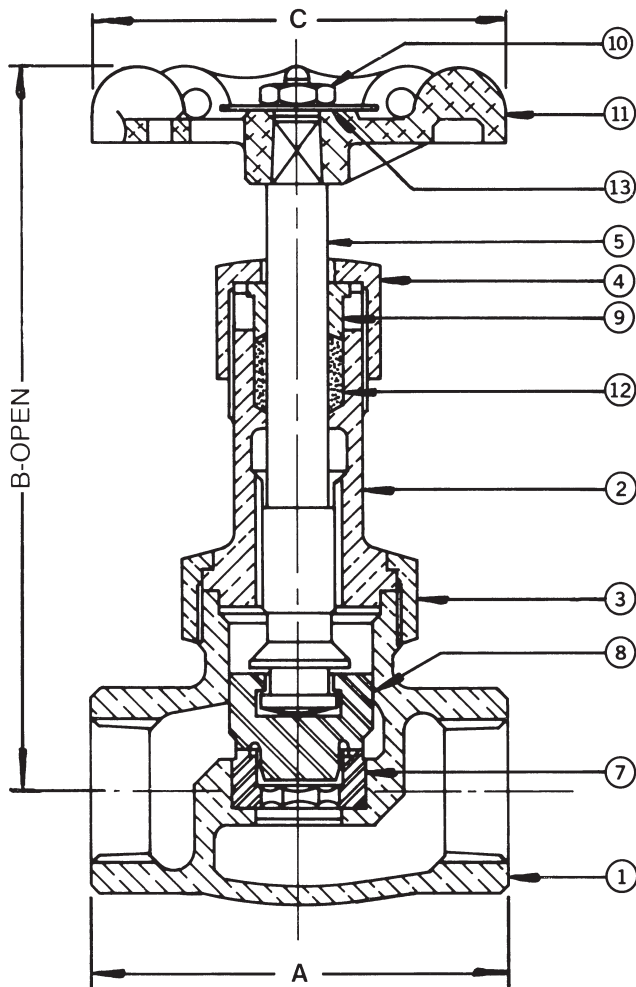
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MILWAUKEE VALVE

591A 1/4"-2"

Bronze Globe Valve
150 SWP - 300 WOG †
Special Hardened S.S. Seat Ring and Disc
Union Bonnet • Threaded Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST

No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Union Bonnet Nut	Bronze	ASTM B62
4	Packing Nut	Brass	ASTM B16
5	Stem	Bronze	ASTM B61
6 ¹	Disc Ring	Bronze	ASTM B62
7	Seat Ring	St. Steel	ASTM A 276, TY.420
8	Disc	St. Steel	ASTM A 276, TY.420
9	Gland	Brass	ASTM B 124 C37700
10	Handwheel Nut	Brass	ASTM B16
11	Handwheel	Mall. Iron	Commercial
12	Packing	Graphite	Graphite
13	Name Plate	Sh. Alum.	Commercial

¹ Not shown- used on 1 1/4" and larger valves only.

• This valve has flat seat shutoff with plug type disc for throttling action and replaceable seat and disc.

DIMENSIONS - INCHES/MILLIMETERS

Units	Size	A	B	C	C _v
Inches	1/4	2.13	4.38	2.00	1.16
mm		54	111	51	
Inches	3/8	2.38	4.44	2.00	2.21
mm		60	113	51	
Inches	1/2	2.50	4.50	2.50	3.64
mm		64	114	64	
Inches	3/4	2.94	5.13	2.75	6.65
mm		75	130	70	
Inches	1	3.38	5.25	3.44	11.10
mm		86	133	87	
Inches	1 1/4	3.88	6.19	3.75	20.00
mm		98	157	95	
Inches	1 1/2	4.50	7.25	4.25	28.00
mm		114	184	108	
Inches	2	4.88	8.19	4.75	48.00
mm		124	208	121	

† Non-Shock

INNOVATION IN EVERY VALVE

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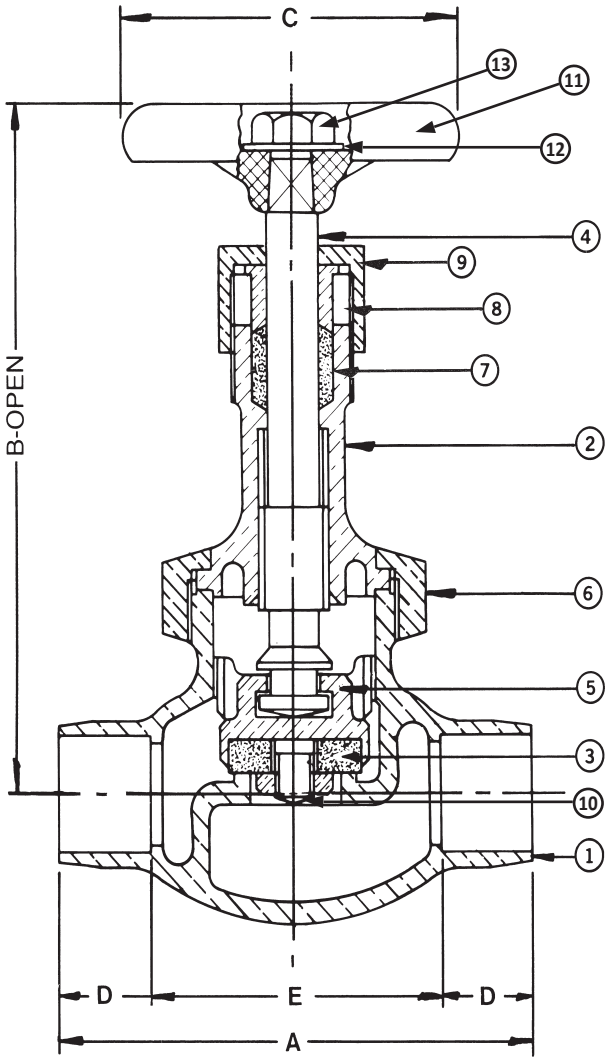


MILWAUKEE VALVE

1590T 1/2"-3"

Bronze Globe Valve
150 SWP - 300 WOG †
Teflon Disc
Union Bonnet • Solder Ends
Conforms to: MSS SP-80

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Disc	Teflon	
4	Stem	Bronze	ASTM B62
5	Disc Holder	Bronze	ASTM B62
6	Union Bonnet Nut	Bronze	ASTM B62
7	Packing	Graphite	Commercial
8	Gland	Brass	ASTM B16
9	Packing Nut	Brass 1/2"-1 1/4"	ASTM B16
		Bronze 1 1/2"-3"	ASTM B584 or ASTM B62
10	Disc Nut	Brass	ASTM B16
11	Handwheel	Mall. Iron	Commercial
12	Name Plate	Aluminum	Commercial
13	Handwheel Nut	Brass	ASTM B16



DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches	1/2	2.75	4.50	2.50	0.50	1.75	3.64
mm		70	114	64	13	45	
Inches	3/4	3.56	5.19	2.75	0.75	2.06	6.65
mm		91	132	70	19	52	
Inches	1	4.38	5.50	3.44	0.91	2.56	11.10
mm		111	140	87	23	65	
Inches	1 1/4	5.00	6.25	3.75	0.97	3.06	20.00
mm		127	159	95	25	78	
Inches	1 1/2	5.88	7.13	3.75	1.09	3.70	28.00
mm		149	181	95	28	94	
Inches	2	7.06	8.88	4.75	1.34	4.38	48.00
mm		179	225	121	34	111	
Inches	2 1/2	8.19	10.63	5.50	1.47	5.25	70.00
mm		208	270	140	37	133	
Inches	3	9.56	12.13	6.00	1.66	6.25	111.00
mm		243	308	152	42	159	

Note: Not intended for use in potable water.

† Non-Shock

INNOVATION IN EVERY VALVE

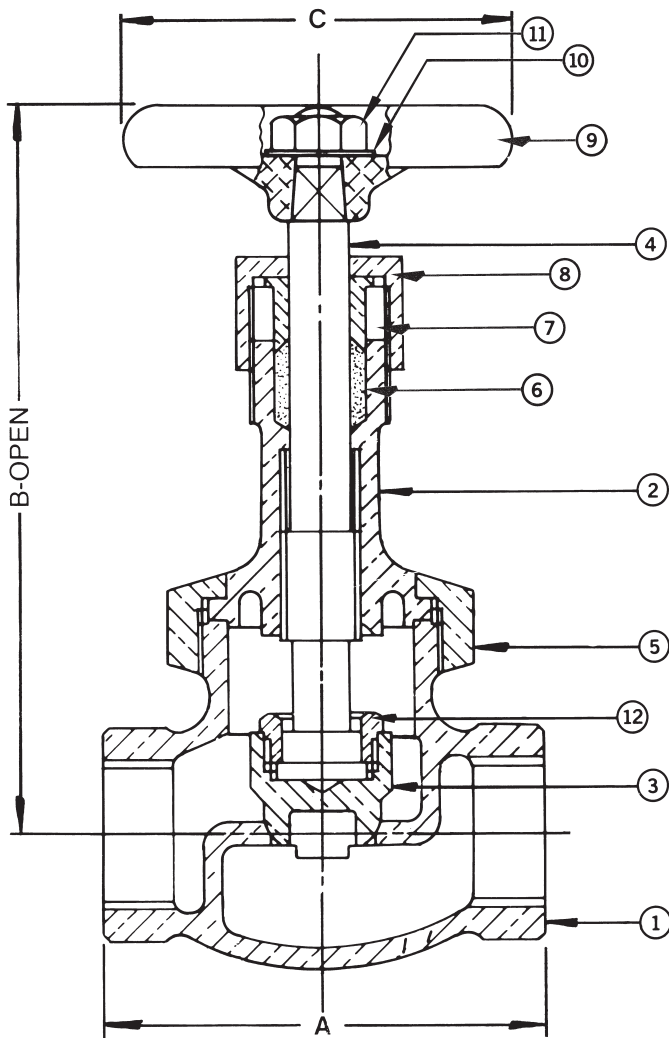


MILWAUKEE VALVE

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570 1/8" - 3"

**Bronze Globe Valve
200 SWP - 400 WOG †
Bronze Renewable Disc
Union Bonnet • Threaded Ends
Conforms to: MSS SP-80**



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Disc	Bronze	ASTM B61
4	Stem	Bronze	ASTM B61
5	Union Bonnet Nut	Bronze	ASTM B61
6	Packing	Graphite	Commercial
7	Gland	Brass	ASTM B 124 C37700
8	Packing Nut	Brass	ASTM B16
9	Handwheel	Mall. Iron	Commercial
10	Name Plate	Aluminum	Commercial
11	Handwheel Nut	Brass	Commercial
12	Disc Ring	Bronze	Commercial

1/8" to 1/2" sizes have the disc integral with the stem and have no disc ring

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches mm	1/8	2.06 52	4.00 102	2.00 51	0.61
Inches mm	1/4	2.06 52	4.00 102	2.00 51	1.16
Inches mm	3/8	2.06 52	4.25 108	2.00 51	2.21
Inches mm	1/2	2.44 62	4.63 118	2.50 64	3.64
Inches mm	3/4	2.94 75	5.19 132	2.75 70	6.65
Inches mm	1	3.75 95	6.38 162	3.44 87	11.10
Inches mm	1 1/4	4.25 108	7.00 178	3.75 95	20.00
Inches mm	1 1/2	4.75 121	7.69 195	4.25 108	28.00
Inches mm	2	5.75 146	9.00 229	4.75 121	48.00
Inches mm	2 1/2	6.75 172	10.25 260	5.50 140	70.00
Inches mm	3	8.00 203	12.00 305	6.00 152	111.00

† Non-Shock

INNOVATION IN EVERY VALVE

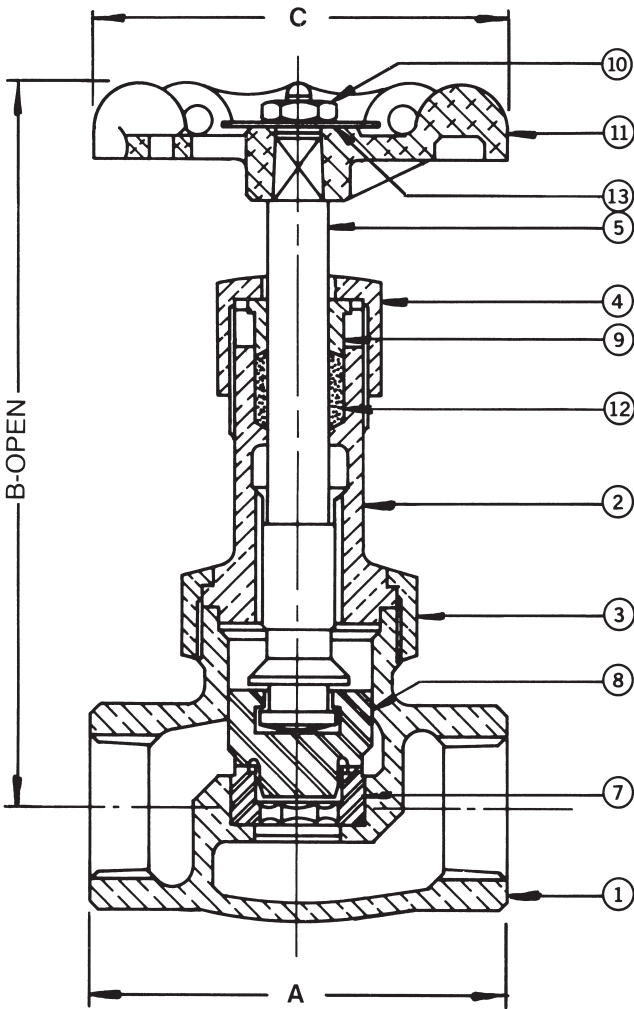
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MILWAUKEE VALVE

592A 1/4"-2"

Bronze Globe Valve
200 SWP - 400 WOG †
Special Hardened S.S. Seat Ring and Disc
Union Bonnet • Threaded Ends
Conforms to: MSS SP-80

- This valve has flat seat shutoff with plug type disc for throttling action and replaceable seat and disc.



Note: Not intended for use in potable water.

MATERIAL LIST

No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Union Bonnet Nut	Bronze	ASTM B61
4	Packing Nut	Bronze	ASTM B62
5	Stem	Bronze	ASTM B61
6 ¹	Disc Ring	Bronze	ASTM B62
7	Seat Ring	St. Steel	ASTM A 276, TY. 420
8	Disc	St. Steel	ASTM A 276, TY. 420
9	Gland	Brass	ASTM B 124 C37700
10	Handwheel Nut	Brass	ASTM B16
11	Handwheel	Mall. Iron	Commercial
12	Packing	Graphite	Graphite
13	Name Plate	Sh. Alum.	Commercial

¹ Not shown- used on 1 1/4" and larger valves only.

DIMENSIONS - INCHES/MILLIMETERS

Units	Size	A	B	C	C _v
Inches	1/4	2.13	4.38	2.00	1.16
mm		54	111	51	
Inches	3/8	2.38	4.44	2.00	2.21
mm		60	113	51	
Inches	1/2	2.50	4.50	2.50	3.64
mm		64	114	64	
Inches	3/4	2.94	5.13	2.75	6.65
mm		75	130	70	
Inches	1	3.38	5.25	3.25	11.10
mm		86	133	83	
Inches	1 1/4	3.88	6.19	3.75	20.00
mm		98	157	95	
Inches	1 1/2	4.50	7.25	4.25	28.00
mm		114	184	108	
Inches	2	4.88	8.19	4.75	48.00
mm		124	208	121	

† Non-Shock

INNOVATION IN EVERY VALVE

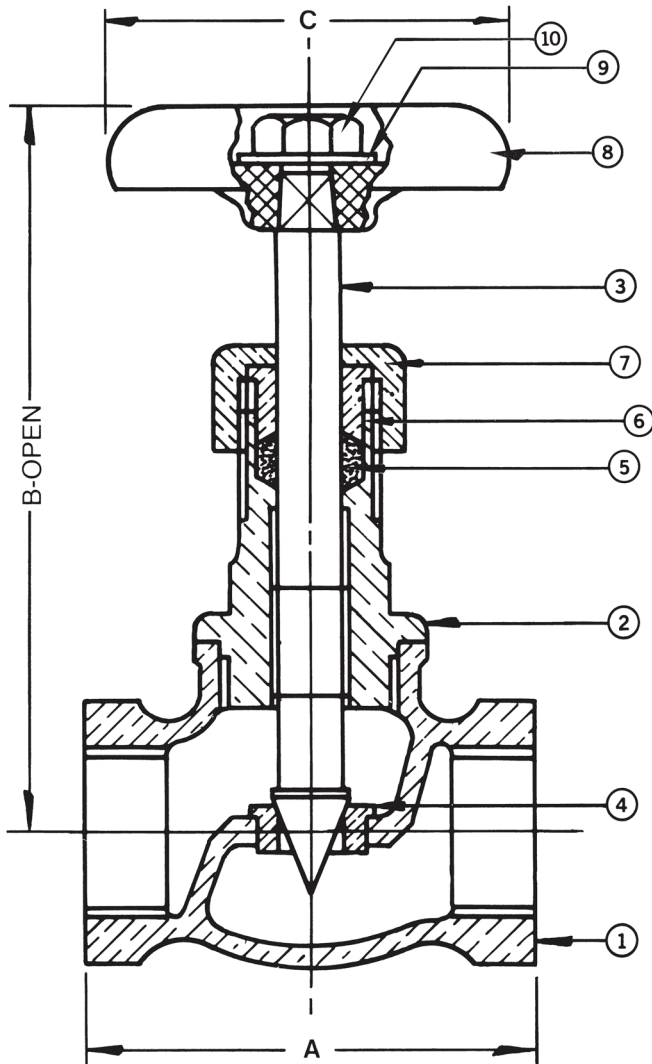
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MILWAUKEE VALVE

600 1/8"-3/4"

Bronze Globe Valve
200 SWP - 400 WOG†
Needle Point Bronze Stem
Threaded Bonnet • Threaded Ends
Conforms to: MSS SP-80



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Stem	Bronze	ASTM B61
4	Seat Ring (Pressed In)	Bronze	ASTM B61
5	Packing	Graphite	
6	Gland	Brass	ASTM B 124 C37700
7	Packing Nut	Brass	ASTM B 283 C37700
8	Handwheel	Mall. Iron	Commercial
9	Name Plate	Aluminum	Commercial
10	Handwheel Nut	Brass	Commercial

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	Cv
Inches mm	1/8	1.63 41	3.19 81	2.00 51	0.50
Inches mm	1/4	1.63 41	3.19 81	2.00 51	1.01
Inches mm	3/8	1.81 46	3.19 81	2.00 51	2.00
Inches mm	1/2	2.31 59	3.63 92	2.00 51	3.30
Inches mm	3/4	2.56 65	3.94 100	2.00 51	6.10

† Non-Shock

Note: Not intended for use in potable water.

INNOVATION IN EVERY VALVE

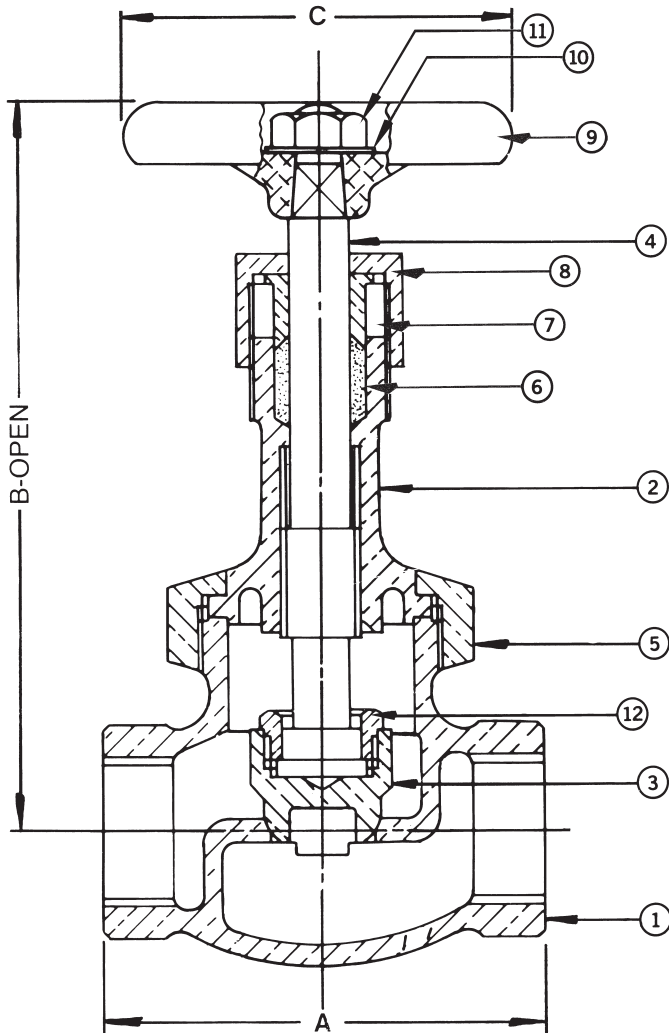
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MILWAUKEE VALVE

572 1/4"-2"

**Bronze Globe Valve
300 SWP - 1000 WOG †
Bronze Renewable Disc
Union Bonnet • Threaded Ends
Conforms to: MSS SP-80**



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Disc	Bronze	ASTM B61
4	Stem	Bronze	ASTM B61
5	Union Bonnet Nut	Bronze	ASTM B61
6	Packing	Graphite	Commercial
7	Gland	Brass	ASTM B 124 C37700
8	Packing Nut	Brass	ASTM B16
9	Handwheel	Mall. Iron	Commercial
10	Name Plate	Aluminum	Commercial
11	Handwheel Nut	Brass	Commercial
12	Disc Ring	Bronze	Commercial

1/4" to 1/2" sizes have the disc integral with the stem and have no disc ring.

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches mm	1/4	2.06 52	4.00 102	2.00 51	1.16
Inches mm	3/8	2.06 52	4.00 102	2.00 51	2.21
Inches mm	1/2	2.44 62	4.50 114	2.50 64	3.64
Inches mm	3/4	2.94 75	5.19 132	2.75 70	6.65
Inches mm	1	3.75 95	6.38 162	3.44 87	11.10
Inches mm	1 1/4	4.25 108	7.00 178	3.75 95	20.00
Inches mm	1 1/2	4.75 121	7.75 197	4.25 108	28.00
Inches mm	2	5.75 146	10.00 254	4.75 121	48.00

† Non-Shock

INNOVATION IN EVERY VALVE

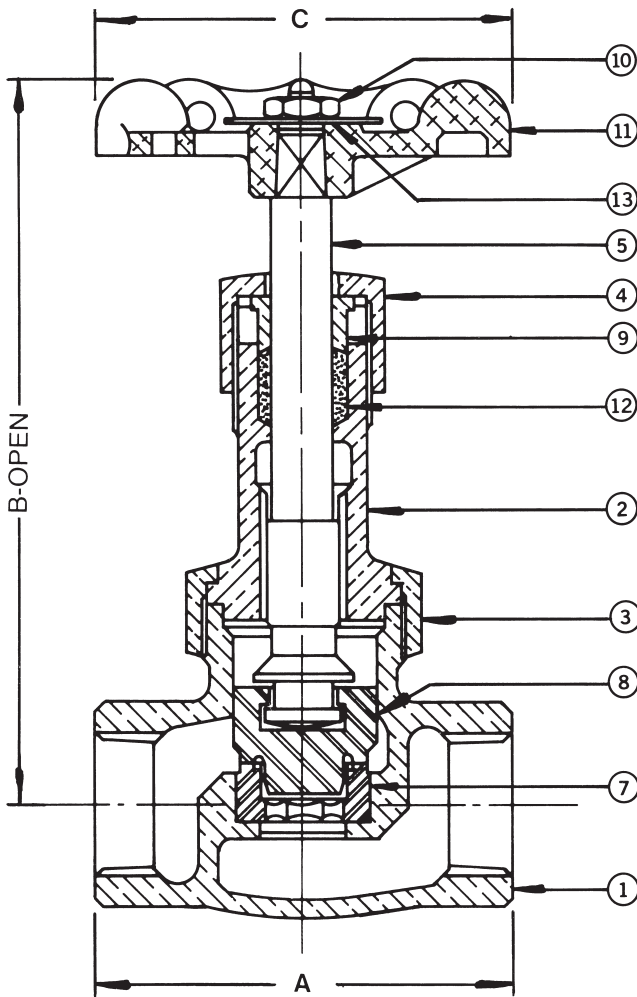
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MILWAUKEE VALVE

593A 1/4"-2"

Bronze Globe Valve
300 SWP - 1000 WOG †
Special Hardened S.S. Seat Ring and Disc
Union Bonnet • Threaded Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST

No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Union Bonnet Nut	Bronze	ASTM B61
4	Packing Nut	Bronze	ASTM B62
5	Stem	Bronze	ASTM B61
6 ¹	Disc Ring	Bronze	ASTM B62
7	Seat Ring	St. Steel	ASTM A 276, TY. 420
8	Disc	St. Steel	ASTM A 276, TY. 420
9	Gland	Brass	ASTM B16
10	Handwheel Nut	Brass	ASTM B16
11	Handwheel	Mall. Iron	Commercial
12	Packing	Graphite	
13	Name Plate	Sh. Alum.	Commercial

¹ Not shown- used on 1 1/4" and larger valves only.

• This valve has flat seat shutoff with plug type disc for throttling action and replaceable seat and disc.

DIMENSIONS - INCHES/MILLIMETERS

Units	Size	A	B	C	C _v
Inches mm	1/4	2.13 54	4.38 111	2.00 51	1.16
Inches mm	3/8	2.38 60	4.44 113	2.00 51	2.21
Inches mm	1/2	2.75 70	4.50 114	2.50 64	3.64
Inches mm	3/4	3.19 81	5.13 130	2.75 70	6.65
Inches mm	1	3.63 92	5.38 137	3.25 83	11.10
Inches mm	1 1/4	4.13 105	6.25 159	3.75 95	20.00
Inches mm	1 1/2	4.75 121	7.38 187	4.25 108	28.00
Inches mm	2	5.13 130	8.38 213	4.75 121	48.00

† Non-Shock

INNOVATION IN EVERY VALVE

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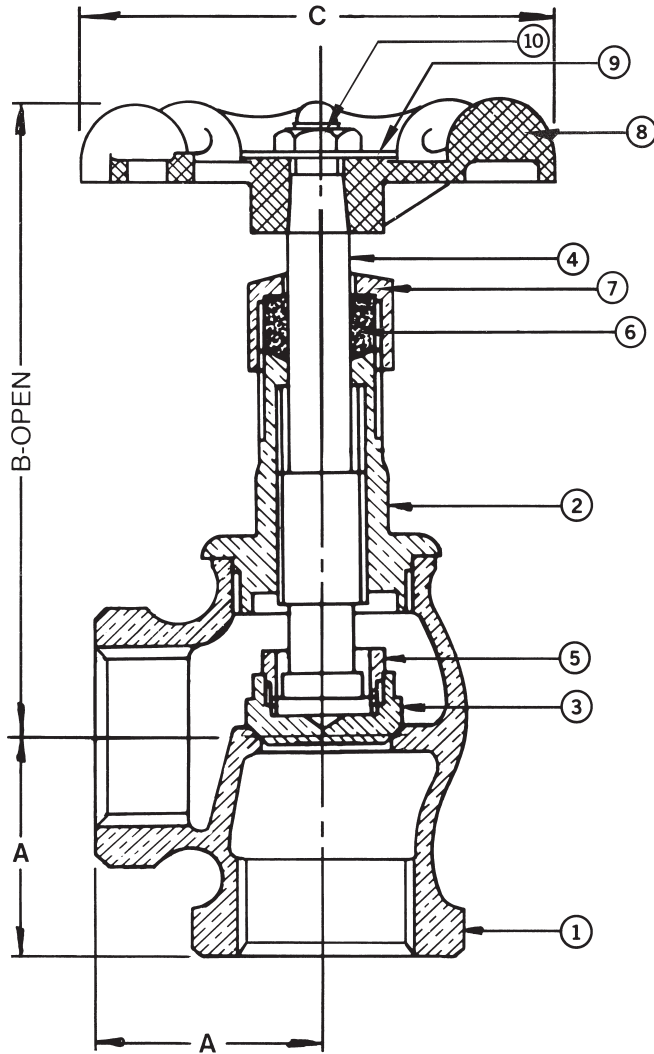


MILWAUKEE VALVE

504 1/4" - 2 1/2"

Bronze Angle Valve
125 SWP - 200 WOG †
Bronze Disc

Threaded Bonnet • Threaded Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST

No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Disc	Bronze	ASTM B62
4	Stem	Bronze	ASTM B62
5	Disc Ring	Brass	ASTM B 16 3/4" to 2" ASTM B 62 2 1/2"
6	Packing	Graphite	Commercial
7	Packing Nut	Brass	ASTM B16
8	Handwheel	Mall. Iron	Commercial
9	Name Plate	Aluminum	Commercial
10	Handwheel Nut	Brass	Commercial
11	Gland (not shown)	Bronze	ASTM B 16

• 1/4" to 1/2" sizes have the disc integral with the stem and have no disc ring.

DIMENSIONS - INCHES/MILLIMETERS

Units	Size	A	B	C	C _v
Inches mm	1/4	0.75 19	3.06 78	2.00 51	1.60
Inches mm	3/8	0.91 23	3.19 81	2.00 51	3.10
Inches mm	1/2	1.00 25	3.63 92	2.25 57	5.10
Inches mm	3/4	1.25 32	3.94 100	2.00 51	9.20
Inches mm	1	1.44 37	4.38 111	2.75 70	16.00
Inches mm	1 1/4	1.69 43	5.19 132	3.44 87	28.00
Inches mm	1 1/2	1.81 46	5.75 146	3.75 95	39.00
Inches mm	2	2.19 56	6.75 172	4.25 108	66.00
Inches mm	2 1/2	3.00 76	8.63 219	4.75 121	100.00

† Non-Shock

INNOVATION IN EVERY VALVE

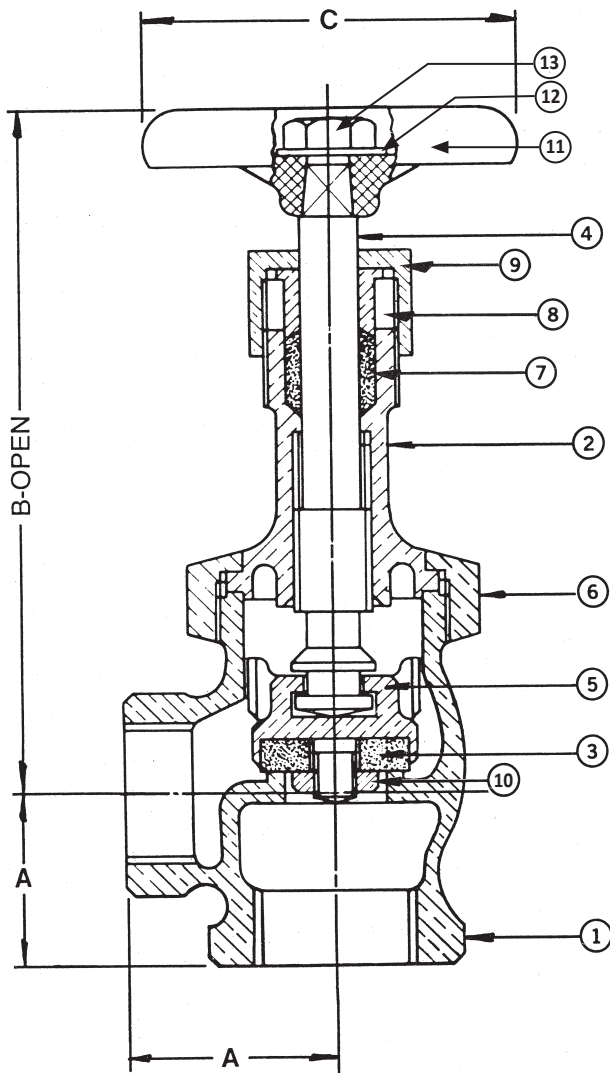
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MILWAUKEE VALVE

595T 1/4"-2"

Bronze Angle Valve
150 SWP - 300 WOG †
Teflon Disc

Union Bonnet • Threaded Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST

No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Bonnet	Bronze	ASTM B62
3	Disc	Teflon	
4	Stem	Bronze	ASTM B62
5	Disc Ring	Brass	ASTM B505 1/4" to 3/4" ASTM B 62 1" to 2"
6	Union Bonnet Nut	Bronze	ASTM B62
7	Packing	Graphite	Commercial
8	Gland	Bronze	ASTM B16
9	Packing Nut	Bronze	Commercial
10	Disc Nut	Brass	Commercial
11	Handwheel	Mall. Iron	Commercial
12	Identification Plate	Aluminum	Commercial
13	Handwheel Nut	Brass	Commercial

DIMENSIONS - INCHES/MILLIMETERS

Units	Size	A	B	C	C _v
Inches	1/4	1.06	3.94	2.00	1.60
mm		27	100	51	
Inches	3/8	1.19	4.25	2.00	3.10
mm		30	108	51	
Inches	1/2	1.19	5.13	2.50	5.10
mm		30	130	64	
Inches	3/4	1.44	5.19	2.75	9.20
mm		37	132	70	
Inches	1	1.75	6.56	3.25	16.00
mm		45	167	83	
Inches	1 1/4	2.06	6.25	3.75	28.00
mm		52	159	95	
Inches	1 1/2	2.25	7.63	4.25	39.00
mm		57	194	108	
Inches	2	2.75	8.88	4.75	66.00
mm		70	225	121	

† Non-Shock

INNOVATION IN EVERY VALVE

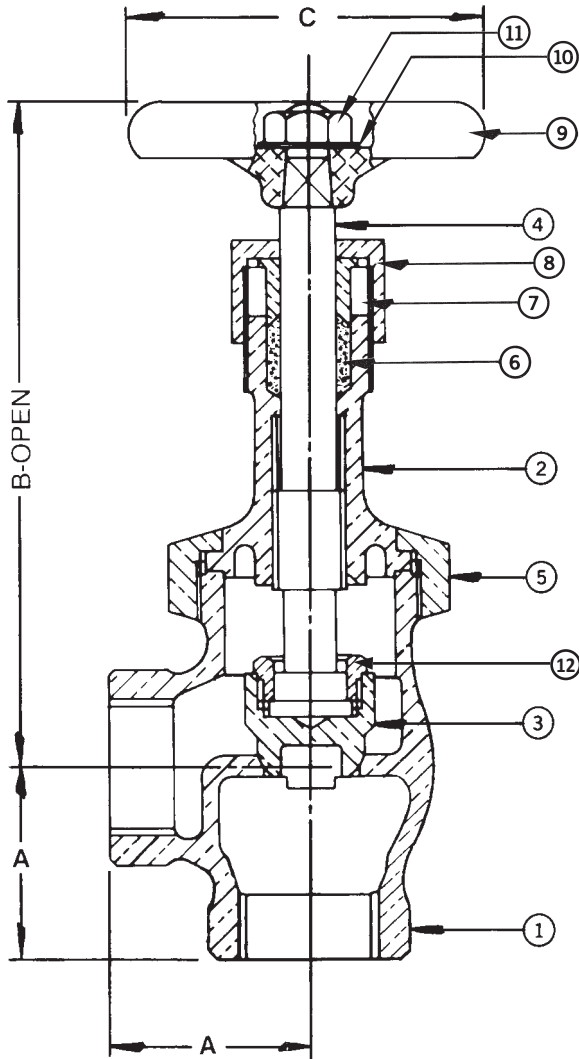
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MILWAUKEE VALVE

582 1/4"-2"

Bronze Angle Valve
300 SWP - 600 WOG †
Bronze Renewable Disc
Union Bonnet • Threaded Ends
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B61
2	Bonnet	Bronze	ASTM B61
3	Disc	Bronze	ASTM B61
4	Stem	Bronze	ASTM B61
5	Union Bonnet Nut	Bronze	ASTM B61
6	Packing	Graphite	Commercial
7	Gland	Brass	ASTM B 124 C37700
8	Packing Nut	Brass	ASTM B16
9	Handwheel	Mall. Iron	Commercial
10	Name Plate	Aluminum	Commercial
11	Handwheel Nut	Brass	Commercial
12	Disc Ring	Brass	ASTM B16

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches	1/4	1.06	4.00	2.00	1.60
mm		27	102	51	
Inches	3/8	1.19	4.00	2.00	3.10
mm		30	102	51	
Inches	1/2	1.25	4.50	2.50	5.10
mm		32	114	64	
Inches	3/4	1.44	5.19	2.75	9.20
mm		37	132	70	
Inches	1	1.75	6.38	3.25	16.00
mm		45	162	83	
Inches	1 1/4	2.06	6.88	3.75	28.00
mm		52	175	95	
Inches	1 1/2	2.25	7.50	4.25	39.00
mm		57	193	108	
Inches	2	2.75	8.75	4.75	66.00
mm		70	222	121	

† Non-Shock

INNOVATION IN EVERY VALVE

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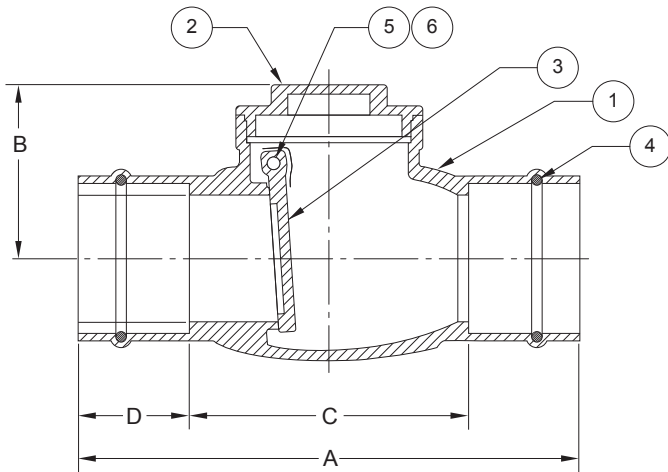


MILWAUKEE VALVE

969* 1/2"-2"

ULTRAPRESS®

Brass Check Valve
200 psig @ 250°F†
Horizontal Swing, Press Ends



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Brass	ASTM B283, C37700
2	Cap	Brass	ASTM B283, C37700
3	Disc	Brass	ASTM B283, C37700
4	O-Ring	EPDM	D2000 NSF61
5	Pin	St. Steel	ASTM A276 TY. 304
6	Side Plug	Brass	ASTM B124, C37700

* Ultra Press Valves are designed and qualified for use in copper tubing systems only, Types K, L, & M per ASTM B88. For installation instructions please see engineering section on website.

Note: Not intended for use in potable water.

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	Cv
Inches mm	1/2	3.35 85	1.38 35	1.7 43	0.83 21	10
Inches mm	3/4	3.74 95	1.43 36	1.75 45	0.99 25	18
Inches mm	1	4.36 111	1.74 44	2.38 61	0.99 25	31
Inches mm	1 1/4	4.97 126	1.99 51	2.92 74	1.02 26	54
Inches mm	1 1/2	6.13 156	2.28 58	3.3 84	1.42 36	76
Inches mm	2	7.16 182	2.48 63	3.99 101	1.59 40	131

INNOVATION IN EVERY VALVE

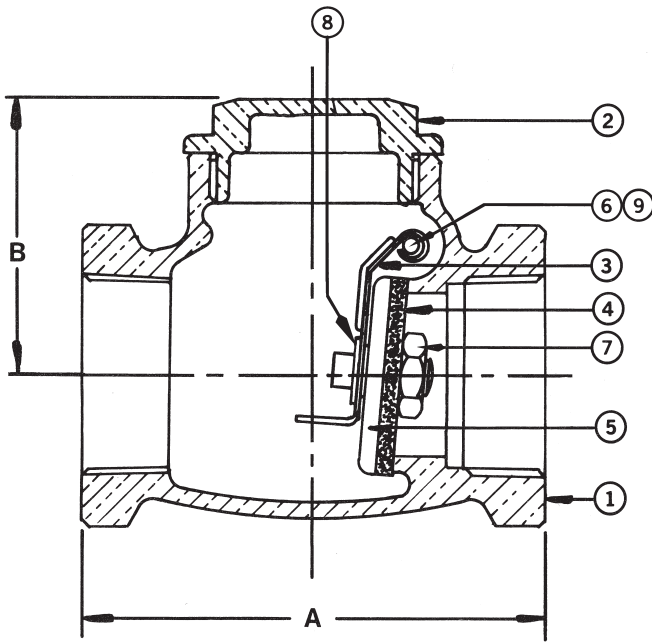
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MILWAUKEE VALVE

509/509T 1/4"-3"

Bronze Check Valve
125 SWP - 200 WOG †
Horizontal Swing • Threaded Ends
Conforms to: MSS SP-80



DIMENSIONS - INCHES/MILLIMETERS				
Units	Size	A	B	C _v
Inches mm	1/4	2.13 54	1.32 34	3.3
Inches mm	3/8	2.13 54	1.32 34	6.0
Inches mm	1/2	2.31 59	1.32 34	10.0
Inches mm	3/4	2.63 67	1.69 43	18.0
Inches mm	1	3.25 83	2.00 51	31.0
Inches mm	1 1/4	3.56 91	2.13 54	54.0
Inches mm	1 1/2	4.00 102	2.38 60	76.0
Inches mm	2	4.75 121	2.81 71	131.0
Inches mm	*2 1/2	6.00 152	3.63 92	233.8
Inches mm	*3	6.88 175	4.19 106	286.4

† Non-Shock

*2 1/2" and 3" not available in the 509T.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Cap	Bronze	ASTM B62
3	Lever	St. Steel-509	Commercial 1/4" to 2"
		Bronze-509	ASTM B584 2 1/2" and 3"
		Brass-509T	ASTM B16 1/4" to 2"
4	Disc	Brass-509	ASTM B16 1/4" to 3/4"
			ASTM B453 1" to 1 1/2"
		Bronze-509	ASTM B62 2" to 3"
5	Disc Holder (509T Only)	Brass	ASTM B16 1/4" to 3/4"
		Bronze	ASTM B62 1" to 2"
6	Pin	St. Steel	Commercial
7	Disc Nut	Brass	ASTM B16
8	Retaining Ring	St. Steel	Commercial
9	Plug (not shown)	Brass	ASTM B16
10	Washer (not shown)	Brass	ASTM B16

Note: Not intended for use in potable water.

INNOVATION IN EVERY VALVE

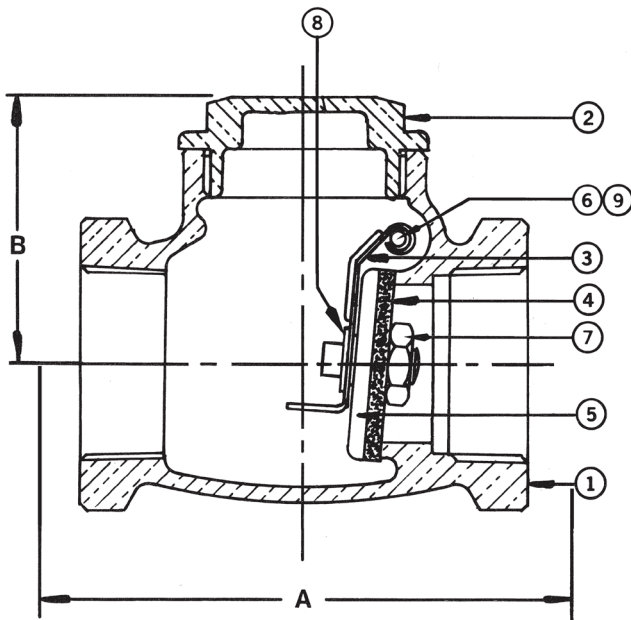
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MILWAUKEE VALVE

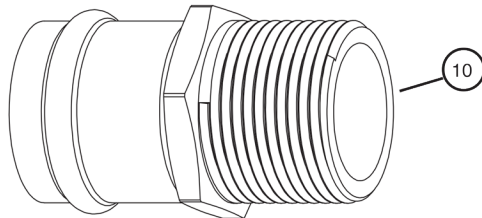
509/509T P2 1/2"-2"



Bronze Check Valve
200 psig @ 250°F†
Horizontal Swing • Press Ends
Conforms to: MSS SP-80



With Press Ends



Press End Adapter (4151 Series)

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Cap	Bronze	ASTM B62
3	Lever	St. Steel-509	Commercial 1/4" to 2"
		Bronze-509	ASTM B584 2 1/2" and 3"
		Brass-509T	ASTM B16 1/4" to 2"
4	Disc	Brass-509	ASTM B16 1/4" to 3/4"
		Bronze-509	ASTM B453 1" to 1 1/2"
		PTFE-509T	Commercial
5	Disc Holder (509T Only)	Brass	ASTM B16 1/4" to 3/4"
		Bronze	ASTM B62 1" to 2"
6	Pin	St. Steel	Commercial
7	Disc Nut	Brass	ASTM B16
8	Retaining Ring	St. Steel	Commercial
9	Plug (not shown)	Brass	ASTM B16
10	Washer (not shown)	Brass	ASTM B16

DIMENSIONS-INCHES/MILLIMETERS					
Units	Size	STD Insertion Depth	A	B	Cv
Inches mm	1/2	0.87 22	5.31 135	1.32 34	10.0
Inches mm	3/4	0.98 25	6.21 158	1.69 43	18.0
Inches mm	1	0.98 25	7.25 184	2.00 51	31.0
Inches mm	1 1/4	1.02 26	7.63 194	2.13 54	54.00
Inches mm	1 1/2	1.42 36	8.48 215	2.38 60	76.00
Inches mm	2	1.58 40	10.75 273	2.81 71	131.00

† Non-Shock

Note: Not intended for use in potable water.

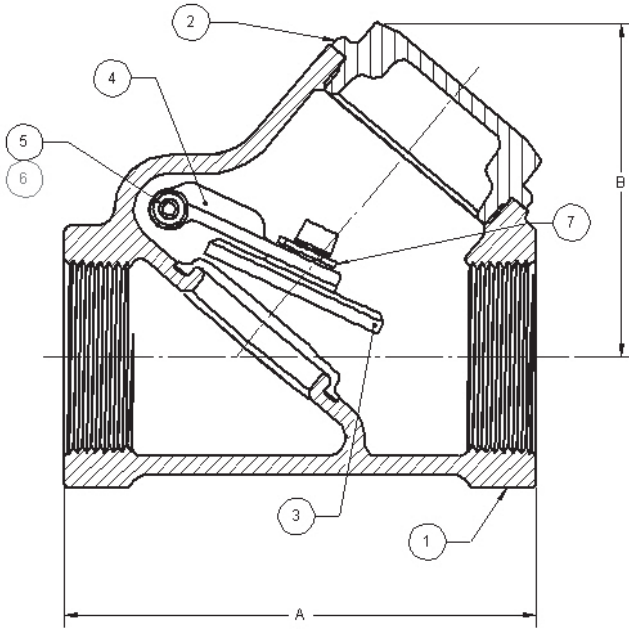


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509Y 1/4"-3"

Bronze Check Valve
125 SWP - 200 WOG †
Horizontal Swing • Threaded Ends
Y-Pattern
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Cast Bronze	ASTM B62
2	Cap	Brass (1/4"-3/8") Cast Bronze (1/2" and Larger)	ASTM B16 ASTM B62
3	Disc	Bronze (1/4"-3/8") Brass (1/2"- 1-1/2") Cast Bronze (2"-3")	ASTM B505 ASTM B453 ASTM B62
4	Lever	Silicon Bronze (1/4" - 2") Cast Bronze (2 1/2" - 3")	ASTM B584 ASTM B62
5	Pin	St. Steel	TYPE 303
6	Plug (not shown)	Brass	ASTM B16
7	Retaining Ring	St. Steel	TYPE 304

DIMENSIONS - INCHES/MILLIMETERS				
Units	Size	A	B	C _v
Inches mm	1/4	2.25 57	1.63 41	2.3
Inches mm	3/8	2.25 57	1.63 41	4.3
Inches mm	1/2	2.63 67	1.75 45	7.2
Inches mm	3/4	3.00 76	1.94 49	13.0
Inches mm	1	3.69 94	2.50 64	22.0
Inches mm	1 1/4	4.38 111	3.00 76	39.0
Inches mm	1 1/2	4.63 118	3.31 84	56.0
Inches mm	2	5.88 149	4.00 102	92.0
Inches mm	2 1/2	7.00 178	4.75 121	150.0
Inches mm	3	7.88 200	5.57 141	240.0

† Non-Shock

INNOVATION IN EVERY VALVE

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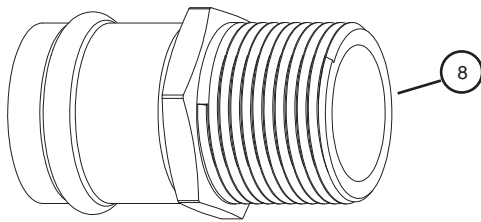
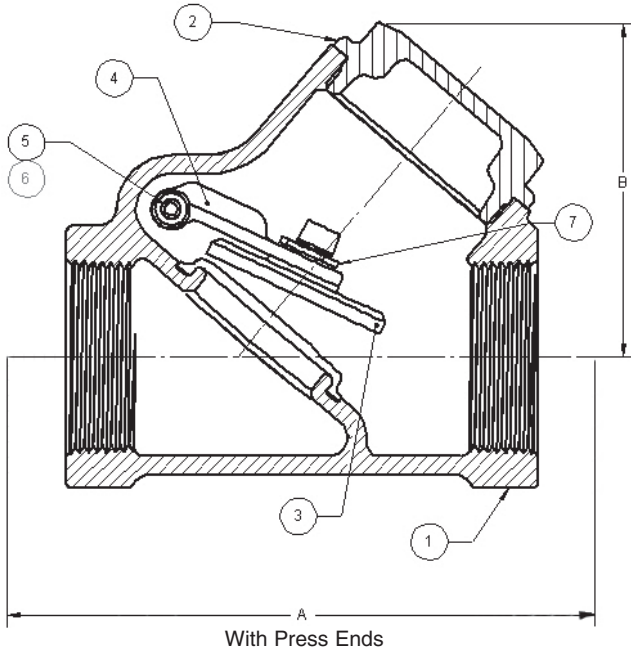


MILWAUKEE VALVE

509Y P2 1/2"-2"



Bronze Check Valve
200 psig @ 250°F †
Horizontal Swing • Press Ends
Y-Pattern
Conforms to: MSS SP-80



Press End Adapter (4151 Series)

Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Cast Bronze	ASTM B62
2	Cap	Cast Bronze (1/2" and Larger)	ASTM B62
3	Disc	Brass (1/2"- 1-1/2") Cast Bronze (2")	ASTM B453 ASTM B62
4	Lever	Silicon Bronze	ASTM B584
5	Pin	St. Steel	TYPE 303
6	Plug (not shown)	Brass	ASTM B16
7	Retaining Ring	St. Steel	TYPE 304
8	Press Adapters	Brass Fitting W/EPDM O-Ring	ASTM B283 C27450

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	STD Insertion Depth	A	B	C _v
Inches mm	1/2	0.87 22	5.63 143	1.75 45	7.2
Inches mm	3/4	0.98 25	6.58 167	1.94 49	13.0
Inches mm	1	0.98 25	7.69 195	2.50 64	22.0
Inches mm	1 1/4	1.02 26	8.45 215	3.00 76	39.0
Inches mm	1 1/2	1.42 36	9.11 231	3.31 84	56.0
Inches mm	2	1.58 40	11.88 302	4.00 101	92.0

† Non-Shock



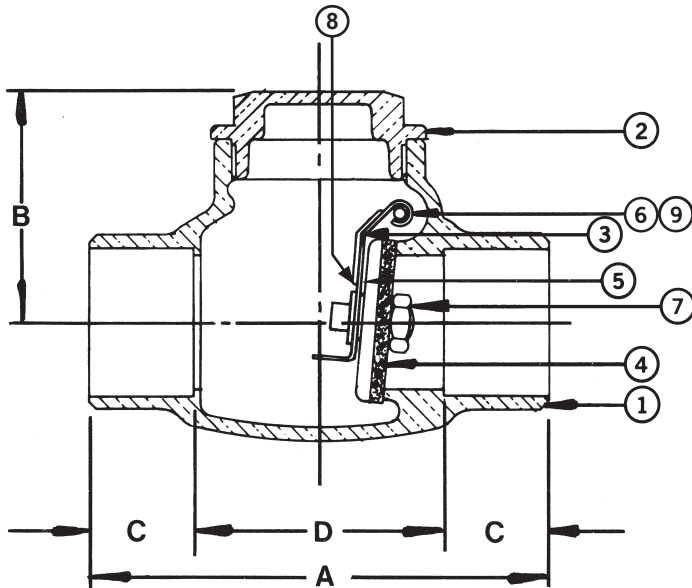
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MILWAUKEE VALVE

1509/1509T 3/8"-3"

Bronze Check Valve
125 SWP - 200 WOG †
Horizontal Swing • Solder Ends
Conforms to: MSS SP-80



DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	C _v
Inches	3/8	2.25	1.32	0.38	1.50	6.0
mm		57	34	10	38.1	
Inches	1/2	2.75	1.32	0.51	1.73	10.0
mm		70	34	13	44	
Inches	3/4	3.31	1.69	0.75	1.75	18.0
mm		84	43	19	45	
Inches	1	4.00	1.97	0.91	2.19	31.0
mm		102	50	23	56	
Inches	1 1/4	4.25	2.16	0.97	2.31	54.0
mm		108	55	25	59	
Inches	1 1/2	4.94	2.41	1.09	2.75	76.0
mm		125	61	28	70	
Inches	2	6.13	2.81	1.34	3.44	131.0
mm		156	72	34	87	
Inches	*2 1/2	7.38	3.63	1.47	4.44	233.8
mm		187	92	37	123	
Inches	*3	8.50	4.19	1.66	5.19	286.4
mm		216	106	42	132	

† Non-Shock

*2 1/2" and 3" not available in the 1509T

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Cap	Bronze	ASTM B62
3	Lever	St. Steel-1509	Commercial 3/8" to 2"
		Bronze-1509	ASTM B584 2 1/2" and 3"
		Brass-1509T	ASTM B16 3/8" to 2"
4	Disc	Brass-1509	ASTM B16 1/4" to 3/4"
			ASTM B453 1" to 1 1/2"
		Bronze-1509	ASTM B62 2" to 3"
5	Disc Holder (1509T Only)	Brass	ASTM B16 3/8" to 3/4"
		Bronze	ASTM B62 1" to 2"
6	Pin	St. Steel	Commercial
7	Disc Nut	Brass	ASTM B16
8	Retaining Ring	St. Steel	Commercial
9	Plug (not shown)	Brass	ASTM B16
10	Washer (not shown)	Brass	ASTM B16

Note: Not intended for use in potable water.

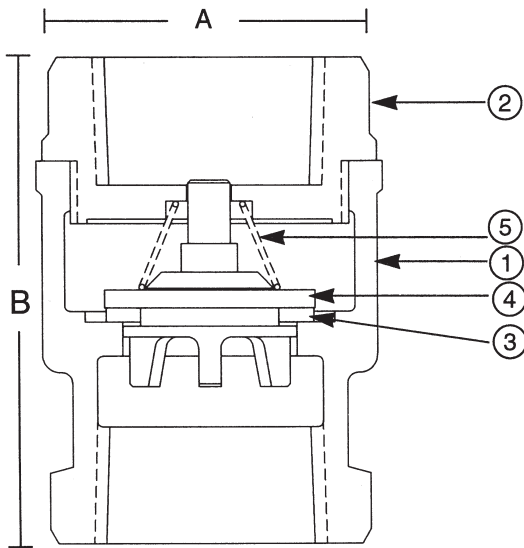
INNOVATION IN EVERY VALVE

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MILWAUKEE VALVE

548B/548T 3/8"-2"

Bronze Lift Check Valve
250 WOG †
Spring Loaded • Threaded Ends
Buna (B) or TFE (T)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Cast Bronze	ASTM B584, C84400
2	Tail Piece	Cast Bronze	ASTM B584, C84400
3	Disc	Buna (B)/TFE (T)	
4	Disc Holder	Cast Bronze	ASTM B584, C85700
5	Spring	Bronze	ASTM B103, C52100

Do not use for reciprocating air compressor service.

Note 1: Not intended for use in potable water.

Note 2: Check Valves may be installed in both the horizontal and vertical lines with upward flow or in any intermediate position.

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	Weight	C _v
Inches mm	3/8	1.22 31	1.97 50	0.35	2.5
Inches mm	1/2	1.22 31	2.09 53.2	0.44	4.1
Inches mm	3/4	1.50 38	2.31 59	0.57	7.6
Inches mm	1	1.91 48	2.66 68	0.89	13.0
Inches mm	1 1/4	2.16 55	3.09 79	1.28	23.0
Inches mm	1 1/2	2.59 66	3.31 84	1.72	31.0
Inches mm	2	3.13 51	3.78 96	2.58	54.0

† Non-Shock

INNOVATION IN EVERY VALVE



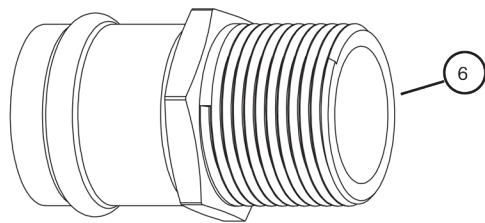
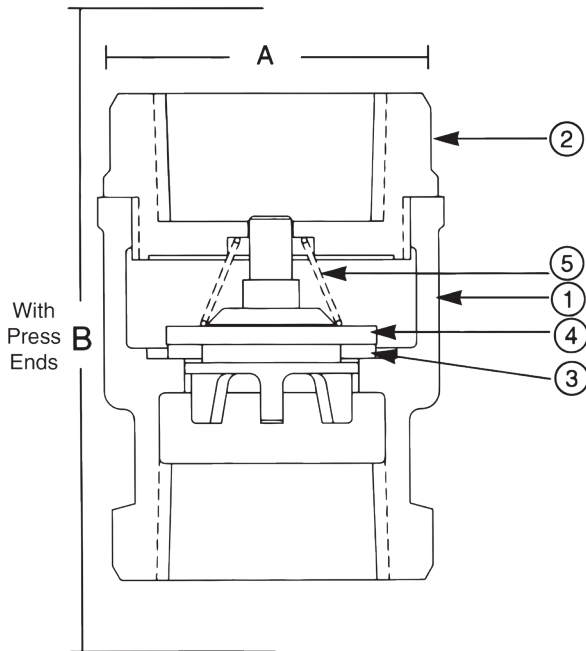
MILWAUKEE VALVE

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548B/548T P2 1/2"-2"



Bronze Lift Check Valve
200 psig @ 250°F†
Spring Loaded • Press Ends
Buna (B) or TFE (T)



Press End Adapter (4151 Series)

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Cast Bronze	ASTM B584, C84400
2	Tail Piece	Cast Bronze	ASTM B584, C84400
3	Disc	TFE 548T	Commercial
		Buna (B)/TFE(T)	Commercial
4	Disc Holder	Cast Bronze	ASTM B584, C85700
5	Spring	Bronze	ASTM B103, C52100
6	Press Adapter	Brass Fitting w/ EPDM O-Ring	ASTM C27450

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	Weight	Cv
Inches mm	1/2	0.87 22	2.09 53.20	0.44	4.1
Inches mm	3/4	0.98 25	2.31 59.00	0.57	7.6
Inches mm	1	0.98 25	2.66 68.00	0.89	13
Inches mm	1 1/4	1.02 26	3.09 79.00	1.28	23
Inches mm	1 1/2	1.42 36	3.31 84.00	1.72	31
Inches mm	2	1.58 40	3.78 96.00	2.58	54

† Non-Shock

Do not use for reciprocating air compressor service.

Note 1: Not intended for use in potable water.

Note 2: Check Valves may be installed in both the horizontal and vertical lines with upward flow or in any intermediate position.

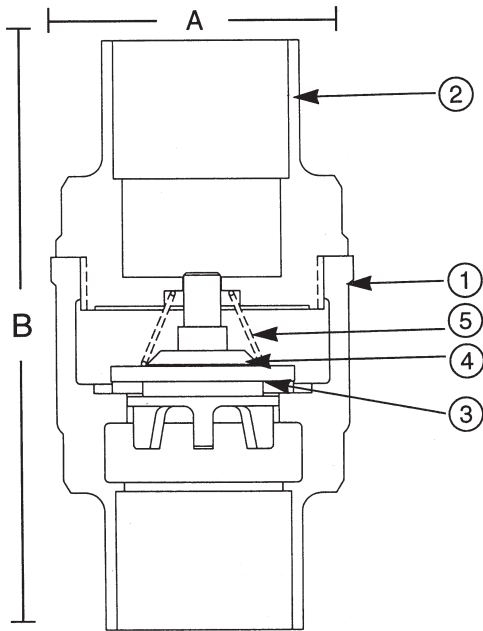


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1548B/1548T 3/8"-2"

Bronze Lift Check Valve
250 WOG †
Spring Loaded • Solder Ends
Buna (B) or TFE (T)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Cast Bronze	ASTM B584, C84400
2	Tail Piece	Cast Bronze	ASTM B584, C84400
3	Disc	TFE/BUNA*	
4	Disc Holder	Cast Bronze	ASTM B584, C85700
5	Spring	Bronze	ASTM B103, C52100

Do not use for reciprocating air compressor service.

Note 1: Not intended for use in potable water.

Note 2: Check Valves may be installed in both the horizontal and vertical lines with upward flow or in any intermediate position.

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	Weight	C _v
Inches mm	3/8	1.22 31	1.97 50	0.35	2.5
Inches mm	1/2	1.22 31	2.41 61	0.45	4.1
Inches mm	3/4	1.50 38	2.81 71	0.62	7.6
Inches mm	1	1.91 48	3.53 90	0.97	13.0
Inches mm	1 1/4	2.16 55	4.22 107	1.42	23.0
Inches mm	1 1/2	2.59 66	4.88 124	1.84	31.0
Inches mm	2	3.13 79	5.09 129	2.75	54.0

INNOVATION IN EVERY VALVE

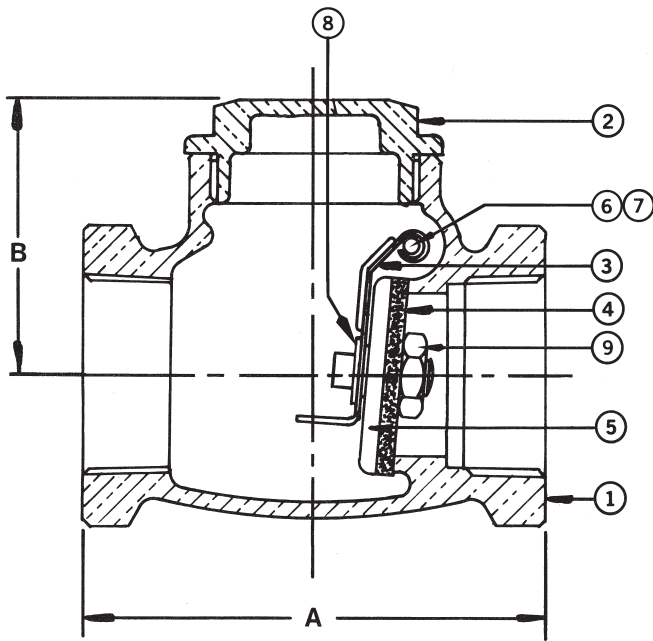
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MILWAUKEE VALVE

510T 1/4"-2"

Bronze Check Valve
150 SWP - 300 WOG †
Horizontal Swing • Threaded Ends
TFE Disc
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Cap	Bronze	ASTM B62
3	Lever	Brass	Commercial
4	Disc	TFE	
5	Disc Holder	Brass	ASTM B16 1/4" to 3/4"
		Bronze	ASTM B62 1" to 2"
6	Pin	St. Steel	Commercial
7	Plug (not shown)	Brass	ASTM B16
8	Retaining Ring	St. Steel	Commercial
9	Disc Nut	Brass	ASTM B16

DIMENSIONS - INCHES/MILLIMETERS				
Units	Size	A	B	C _v
Inches mm	1/4	2.13 54	1.32 34	3.3
Inches mm	3/8	2.13 54	1.32 34	6.0
Inches mm	1/2	2.31 59	1.32 34	10.0
Inches mm	3/4	2.63 67	1.69 43	18.0
Inches mm	1	3.25 83	2.00 51	31.0
Inches mm	1 1/4	3.56 91	2.13 54	54.0
Inches mm	1 1/2	4.00 102	2.38 60	76.0
Inches mm	2	4.75 121	2.81 71	131.0

† Non-Shock

INNOVATION IN EVERY VALVE

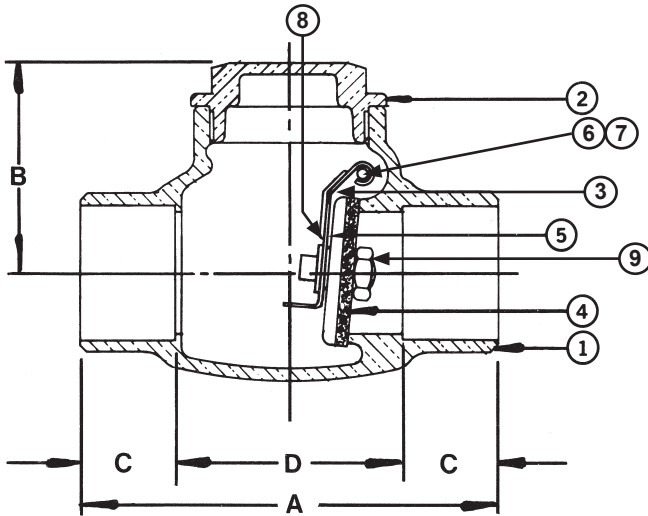


MILWAUKEE VALVE

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1510T 1/2"-2"

Bronze Check Valve
150 SWP - 300 WOG †
Horizontal Swing • Solder Ends
TFE Disc
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Cap	Bronze	ASTM B62
3	Lever	Brass	Commercial
4	Disc	Teflon	
5	Disc Holder	Brass	ASTM B16 1/2" to 3/4"
		Bronze	ASTM B62 1" to 2"
6	Pin	St. Steel	Commercial
7	Plug (not shown)	Brass	ASTM B16
8	Retaining Ring	St. Steel	Commercial
9	Disc Nut	Brass	ASTM B16

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	C _v
Inches mm	1/2	2.75 70	1.32 34	0.50 13	1.75 44	10.0
Inches mm	3/4	3.31 84	1.69 43	0.75 19	1.81 46	18.0
Inches mm	1	4.00 102	1.97 50	0.91 23	2.18 55	31.0
Inches mm	1 1/4	4.25 108	2.16 55	0.97 25	2.31 59	54.0
Inches mm	1 1/2	4.94 125	2.41 61	1.09 28	2.76 70	76.0
Inches mm	2	6.13 156	2.81 71	1.34 34	3.45 88	131.0

† Non-Shock

INNOVATION IN EVERY VALVE

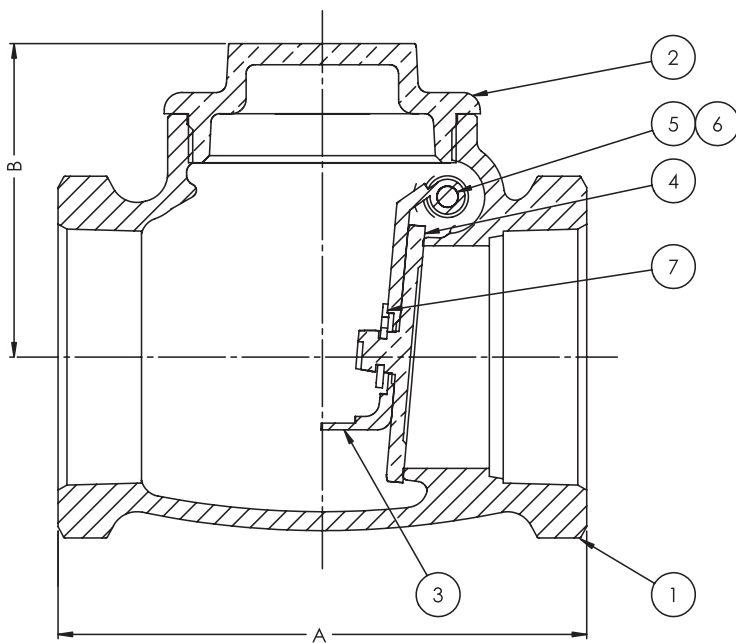


MILWAUKEE VALVE

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515 1/4"-2"

Bronze Check Valve
150 SWP - 300 WOG †
Horizontal Swing • Threaded Ends
Bronze Disc
Conforms to: MSS SP-80



Note: Not intended for use in potable water.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Cap	Bronze	ASTM B62
3	Lever	Stainless Steel	Commercial
4	Disc	Brass	ASTM B16 1/4" to 3/4"
		Bronze	ASTM B62 1" to 2"
5	Pin	Stainless Steel	Commercial
6	Plug (not shown)	Brass	ASTM B16
7	Retaining Ring	Stainless Steel	Commercial

DIMENSIONS - INCHES/MILLIMETERS				
Units	Size	A	B	C _v
Inches mm	1/4	2.13 54	1.32 34	3.3
Inches mm	3/8	2.13 54	1.32 34	6.0
Inches mm	1/2	2.31 59	1.32 34	10.0
Inches mm	3/4	2.63 67	1.69 43	18.0
Inches mm	1	3.25 83	2.00 51	31.0
Inches mm	1 1/4	3.56 91	2.13 54	54.0
Inches mm	1 1/2	4.00 102	2.38 60	76.0
Inches mm	2	4.75 121	2.81 71	131.0

† Non-Shock

INNOVATION IN EVERY VALVE



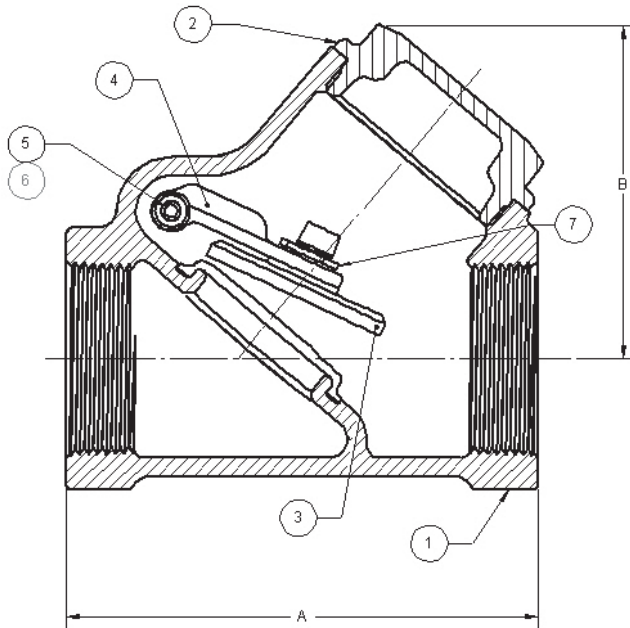
MILWAUKEE VALVE

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515Y 1/4"-3"

Bronze Check Valve
150 SWP - 300 WOG †
Horizontal Swing • Threaded Ends
Y-Pattern
Conforms to: MSS SP-80

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Cast Bronze	ASTM B62
2	Cap	Brass (1/4" - 3/8") Cast Bronze (1/2" and Larger)	ASTM B16 ASTM B62
3	Disc	Bronze (1/4" - 3/8") Brass (1/2" - 1 1/2") Cast Bronze (2"-3")	ASTM B505 ASTM B453 ASTM B62
4	Lever	Silicon Bronze (1/4" - 2") Cast Bronze (2 1/2" - 3")	ASTM B584 ASTM B62
5	Pin	St. Steel	TYPE 303
6	Plug (not shown)	Brass	ASTM B16
7	Retaining Ring	St. Steel	TYPE 304



Note: Not intended for use in potable water.

DIMENSIONS - INCHES/MILLIMETERS				
Units	Size	A	B	C _v
Inches mm	1/4	2.25 57	1.63 41	2.3
Inches mm	3/8	2.25 57	1.63 41	4.3
Inches mm	1/2	2.63 67	1.75 45	7.2
Inches mm	3/4	3.00 76	1.94 49	13.0
Inches mm	1	3.69 94	2.50 64	22.0
Inches mm	1 1/4	4.38 111	3.00 76	39.0
Inches mm	1 1/2	4.63 112	3.31 84	56.0
Inches mm	2	5.88 149	4.00 102	92.0
Inches mm	2 1/2	7.00 178	4.75 121	150.0
Inches mm	3	7.88 200	5.57 141	240.0

† Non-Shock

INNOVATION IN EVERY VALVE

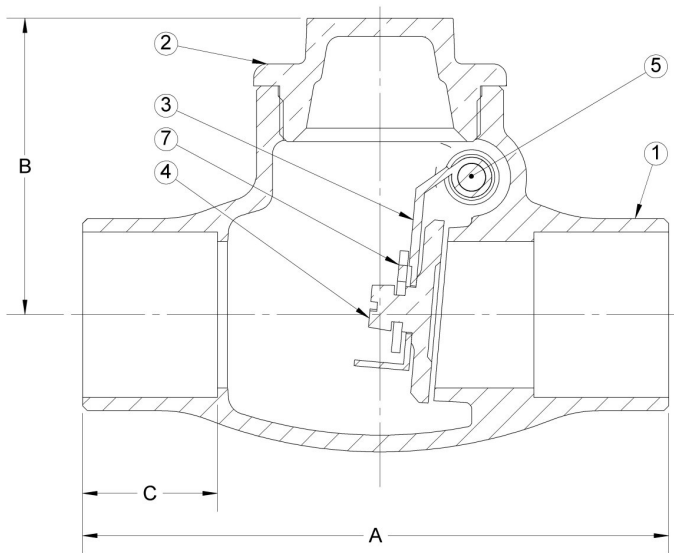
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MILWAUKEE VALVE

1515 1/2"-2"

Bronze Check Valve
150 SWP - 300 WOG †
Horizontal Swing • Solder Ends
Bronze Disc
Conforms to: MSS SP-80

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Bronze	ASTM B62
2	Cap	Bronze	ASTM B62
3	Lever	Stainless Steel	Commercial
4	Disc	Brass	ASTM B16 1/2" to 3/4"
		Brass	ASTM B453 1" - 1 1/2"
		Bronze	ASTM B62 2"
5	Pin	Stainless Steel	Commercial
6	Plug (not shown)	Brass	ASTM B16
7	Retaining Ring	Stainless Steel	Commercial



Note: Not intended for use in potable water.

DIMENSIONS - INCHES/MILLIMETERS					
Units	Size	A	B	C	C _v
Inches	1/2	2.75	1.32	0.50	10.0
mm		70	34	13	
Inches	3/4	3.31	1.69	0.75	18.0
mm		84	43	19	
Inches	1	4.00	1.97	0.91	31.0
mm		102	50	23	
Inches	1 1/4	4.25	2.16	0.97	54.0
mm		108	55	25	
Inches	1 1/2	4.94	2.41	1.09	76.0
mm		125	61	28	
Inches	2	6.13	2.81	1.34	131.0
mm		156	71	34	

† Non-Shock

INNOVATION IN EVERY VALVE

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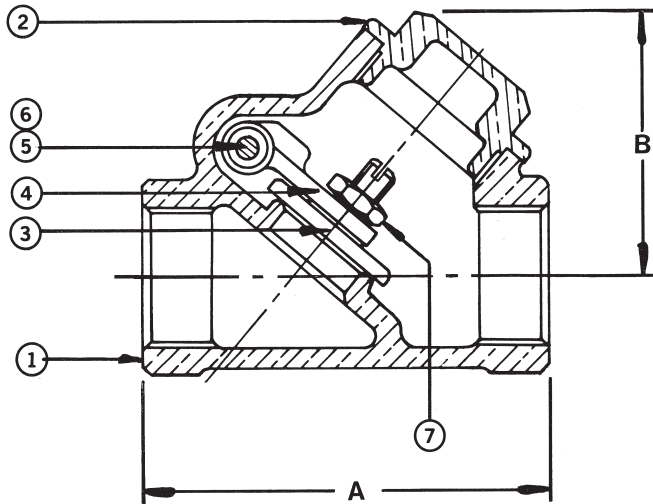


MILWAUKEE VALVE

508 1/4"-3"

Bronze Check Valve
200 SWP - 400 WOG †
Horizontal Swing • Threaded Ends
Y-Pattern
Conforms to: MSS SP-80

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Cast Bronze	ASTM B61
2	Cap	Cast Bronze	ASTM B61
3	Disc	Cast Bronze	ASTM B61
4	Lever	Cast Bronze	ASTM B61
5	Pin	St. Steel	Commercial
6	Plug (not shown)	Rod Brass	ASTM B16
7	Retaining Ring	St. Steel	ASTM A276 TY.304



Note: Not intended for use in potable water.

DIMENSIONS - INCHES/MILLIMETERS				
Units	Size	A	B	C _v
Inches mm	1/4	2.25 57	1.63 41	2.3
Inches mm	3/8	2.25 57	1.63 41	4.3
Inches mm	1/2	2.63 67	1.75 44	7.2
Inches mm	3/4	3.00 76	1.94 49	13.0
Inches mm	1	3.69 94	2.50 64	22.0
Inches mm	1 1/4	4.38 111	3.00 76	39.0
Inches mm	1 1/2	4.63 118	3.31 84	56.0
Inches mm	2	5.88 149	4.00 102	92.0
Inches mm	2 1/2	7.00 178	4.75 121	150.0
Inches mm	3	7.88 200	5.57 141	240.0

† Non-Shock

INNOVATION IN EVERY VALVE

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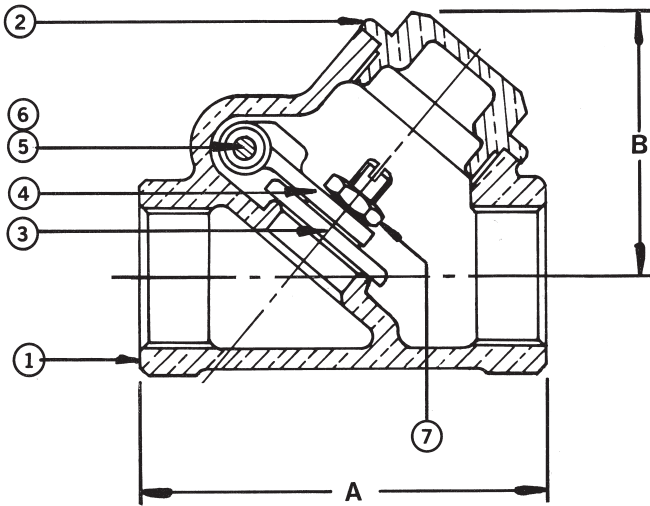


MILWAUKEE VALVE

507 1/4"-3"

Bronze Check Valve
300 SWP - 600 WOG †
Horizontal Swing • Threaded Ends
Y-Pattern
Conforms to: MSS SP-80

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Body	Cast Bronze	ASTM B61
2	Cap	Cast Bronze	ASTM B61
3	Disc	Cast Bronze	ASTM B61
4	Lever	Cast Bronze	ASTM B61
5	Pin	St. Steel	Commercial
6	Plug	Rod Brass	ASTM B16
7	Retaining Ring	St. Steel	ASTM A276 TY.304



Note: Not intended for use in potable water.

DIMENSIONS - INCHES/MILLIMETERS				
Units	Size	A	B	C _v
Inches mm	1/4	2.25 57	1.63 41	2.3
Inches mm	3/8	2.25 57	1.63 41	4.3
Inches mm	1/2	2.63 67	1.75 44	7.2
Inches mm	3/4	3.00 76	1.94 49	13.0
Inches mm	1	3.69 94	2.50 64	22.0
Inches mm	1 1/4	4.38 111	3.00 76	39.0
Inches mm	1 1/2	4.63 118	3.31 84	56.0
Inches mm	2	5.88 149	4.00 102	92.0
Inches mm	2 1/2	7.00 178	4.75 121	150.0
Inches mm	3	7.88 200	5.57 141	240.0

† Non-Shock

INNOVATION IN EVERY VALVE

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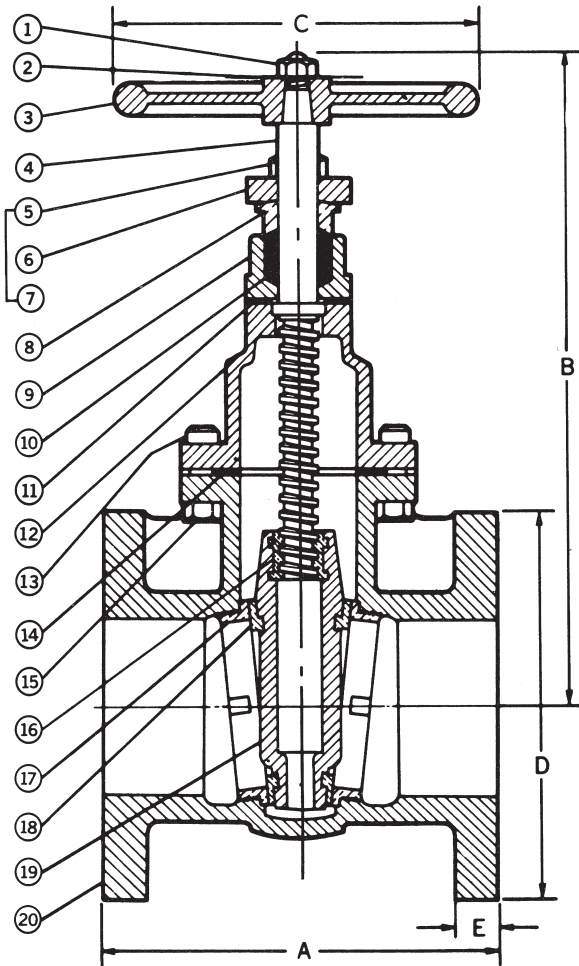


MILWAUKEE VALVE

F-2882A 2"-12"

Iron Gate Valve
125 SWP - 200 WOG †
Non-Rising Stem • Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-70

Flange shape and drilling to specification ASME B 16.1 (125 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Handwheel Nut	Steel	
2	Name Plate	Aluminum	
3	Handwheel	Cast Iron	ASTM A126, Class B
4	Stem	Brass	ASTM B16
5	Gland Follower Nut	Bronze	
6	Gland Follower	Cast Iron	ASTM A126, Class B
7	Gland Follower Bolt	Steel	
8	Packing Gland	Brass	ASTM B16
9	Stuffing Box	Cast Iron	ASTM A126, Class B
10	Packing	Graphite	
11	Stuffing Box Gasket	Graphite	
12	Bonnet	Cast Iron	ASTM A126, Class B
13	Body Bolt	Steel	
14	Body Gasket	Aramid Fiber/NBR	
15	Body Nut	Steel	
16	Wedge Bushing	Cast Bronze	ASTM B62
17	Seat Ring	Cast Bronze	ASTM B62
18	Wedge Face Ring	Cast Bronze	ASTM B62
19	Wedge	Cast Iron	ASTM A126, Class B
20	Body	Cast Iron	ASTM A126, Class B
21	Stuffing Box Nut (not shown)	Bronze	

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	2	7.00 178	12.00 305	7.00 178	6.00 152	0.63 16	215
Inches mm	2 1/2	7.50 191	13.25 337	7.00 178	7.00 178	0.69 17	335
Inches mm	3	8.00 203	13.50 343	8.00 203	7.50 191	0.75 19	510
Inches mm	4	9.00 229	17.00 432	10.00 254	9.00 229	0.94 24	945
Inches mm	5	10.00 254	18.00 457	12.00 305	10.00 254	0.94 24	1525
Inches mm	6	10.50 267	22.00 559	12.00 305	11.00 279	1.00 25	2250
Inches mm	8	11.50 292	26.50 673	14.00 356	13.50 343	1.13 29	4150
Inches mm	10	13.00 330	30.00 762	16.00 406	16.00 406	1.19 30	6700
Inches mm	12	14.00 356	35.00 889	18.00 457	19.00 483	1.25 32	9925

† Non-Shock

INNOVATION IN EVERY VALVE

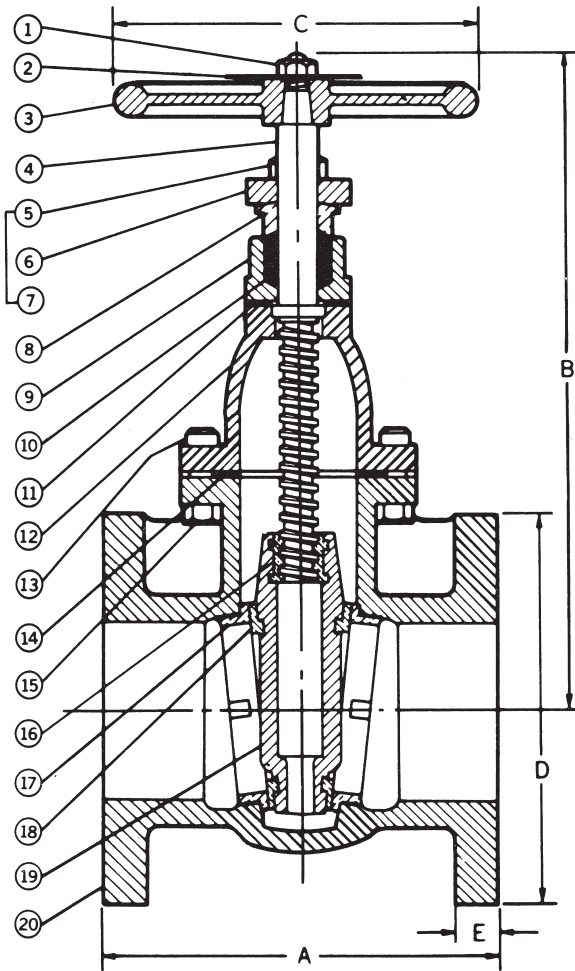
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MILWAUKEE VALVE

F-2882-M 2"-12"

Iron Gate Valve
125 SWP - 200 WOG †
Non-Rising Stem • Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-70

Flange shape and drilling to specification ASME B 16.1 (125 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Handwheel Nut	Steel	ASTM A307
2	Name Plate	Aluminum	
3	Handwheel	Cast Iron	ASTM A126, Class B
4	Stem	Brass	ASTM B16
5	Gland Follower Nut	Steel	ASTM A307
6	Gland Follower	Ductile Iron	ASTM A536
7	Gland Follower Bolt	Steel	ASTM A307
8	Packing Gland	Cast Bronze	ASTM B62
9	Stuffing Box	Cast Iron	ASTM A126, Class B
10	Packing	Graphite	
11	Stuffing Box Gasket	Graphite	
12	Bonnet	Cast Iron	ASTM A126, Class B
13	Body Bolt	Steel	ASTM A307
14	Body Gasket	Graphite	
15	Body Nut	Steel	ASTM A307
16	Wedge Bushing	Bronze	ASTM B62
17	Seat Ring	Bronze	ASTM B62
18	Wedge Face Ring	Bronze	ASTM B62
19	Wedge	Cast Iron	ASTM A126, Class B
20	Body	Cast Iron	ASTM A126, Class B
21	Stuffing Box Nut (not shown)	Steel	ASTM A307

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	2	7.00 178	12.00 305	7.00 178	6.00 152	0.63 16	215
Inches mm	2 1/2	7.50 191	13.25 337	7.00 178	7.00 178	0.69 17	335
Inches mm	3	8.00 203	13.50 343	8.00 203	7.50 191	0.75 19	510
Inches mm	4	9.00 229	17.00 432	10.00 254	9.00 229	0.94 24	945
Inches mm	5	10.00 254	18.00 457	12.00 305	10.00 254	0.94 24	1525
Inches mm	6	10.50 267	22.00 559	12.00 305	11.00 279	1.00 25	2250
Inches mm	8	11.50 292	26.50 673	14.00 356	13.50 343	1.13 29	4150
Inches mm	10	13.00 330	30.00 762	16.00 406	16.00 406	1.19 30	6700
Inches mm	12	14.00 356	35.00 889	18.00 457	19.00 483	1.25 32	9925

Suffix M – Signifies “MILVACO” Series International Valves.
 † Non-Shock



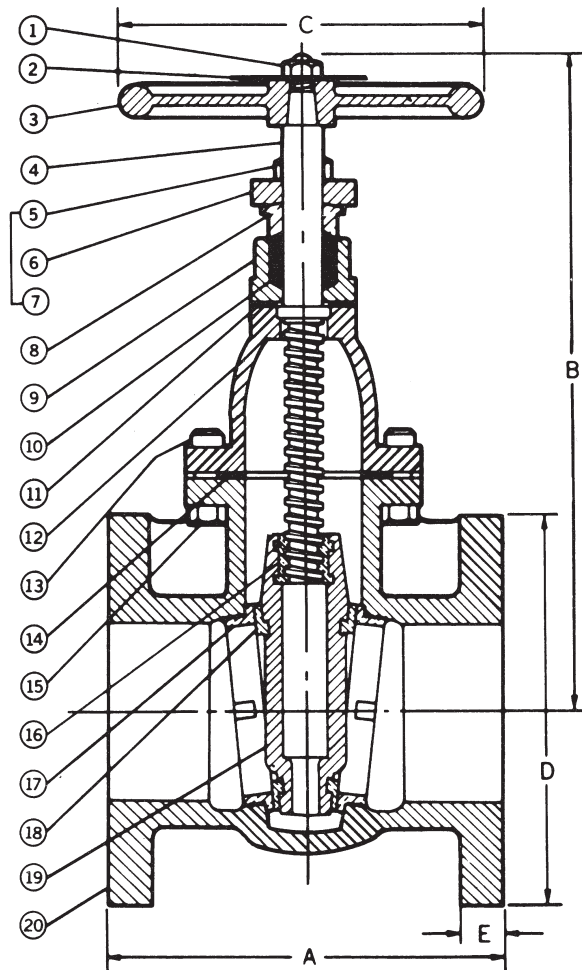
MILWAUKEE VALVE

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F-2882-M 14"-24"

Iron Gate Valve
100 SWP - 150 WOG †
Non-Rising Stem • Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-70

Flange shape and drilling to specification ASME B 16.1 (125 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Handwheel Nut	Steel	ASTM A307
2	Name Plate	Aluminum	
3	Handwheel	Cast Iron	ASTM A126, Class B
4	Stem	Brass	ASTM B16
5	Gland Follower Nut	Steel	ASTM A307
6	Gland Follower	Ductile Iron	ASTM A536
7	Gland Follower Bolt	Steel	ASTM A307
8	Packing Gland	Cast Bronze	ASTM B62
9	Stuffing Box	Cast Iron	ASTM A126, Class B
10	Packing	Graphite	
11	Stuffing Box Gasket	Non-Asbestos	
12	Bonnet	Cast Iron	ASTM A126, Class B
13	Body Bolt	Steel	ASTM A307
14	Body Gasket	Graphite	
15	Body Nut	Steel	ASTM A307
16	Wedge Bushing	Bronze	ASTM B62
17	Seat Ring	Bronze	ASTM B62
18	Wedge Face Ring	Bronze	ASTM B62
19	Wedge	Cast Iron	ASTM A126, Class B
20	Body	Cast Iron	ASTM A126, Class B
21	Stuffing Box Nut (not shown)	Steel	ASTM A563-B

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches	14	15.00	39.50	20.00	21.00	1.38	13800
mm		381	1003	508	533	35	
Inches	16	16.00	43.30	22.00	23.50	1.44	18375
mm		406	1100	559	597	37	
Inches	18	17.00	47.62	24.00	25.00	1.56	23600
mm		432	1210	610	635	40	
Inches	20	18.00	54.38	24.00	27.50	1.69	29600
mm		457	1381	610	699	43	
Inches	24	20.00	58.25	30.00	32.00	1.88	43570
mm		610	1480	762	813	48	

Suffix M – Signifies “MILVACO” Series International Valves.
 † Non-Shock

INNOVATION IN EVERY VALVE

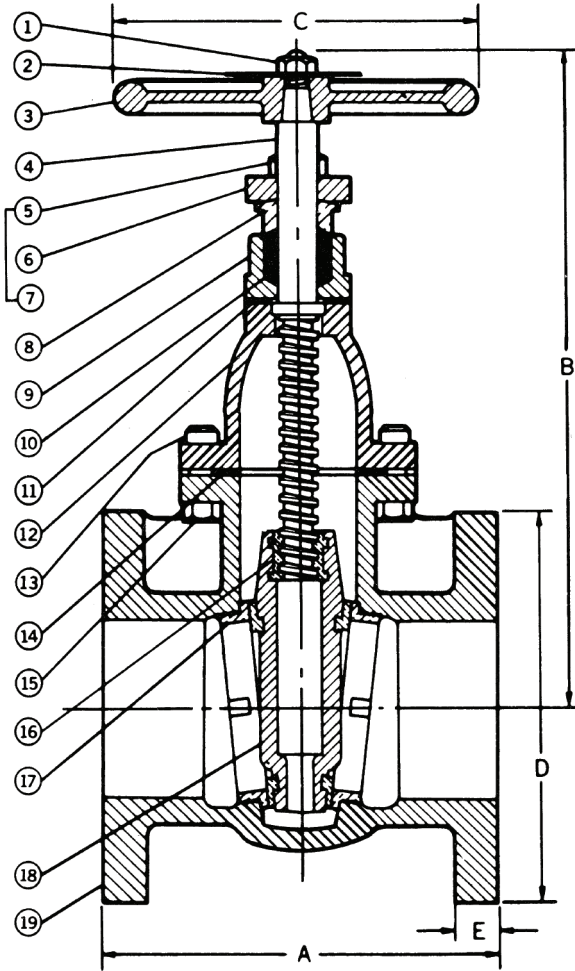
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MILWAUKEE VALVE

F-2882-M26 2"-12"

Iron Gate Valve
125 SWP - 200 WOG †
Non-Rising Stem • Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-70

Flange shape and drilling to specification ASME B 16.1 (125 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Handwheel Nut	Ductile Iron	ASTM A536
2	Name Plate	Aluminum	
3	Handwheel	Cast Iron	ASTM A126, Class B
4	Stem	Steel	ASTM A108-Gr.1020
5	Gland Follower Nut	Steel	ASTM A307
6	Gland Follower	Ductile Iron	ASTM A536
7	Gland Follower Bolt	Steel	ASTM A307-B
8	Packing Gland	Cast Iron	ASTM A126, Class B
9	Stuffing Box	Cast Iron	ASTM A126, Class B
10	Packing	Graphite	Graphite
11	Stuffing Box Gasket	Graphite	Graphite
12	Bonnet	Cast Iron	ASTM A126, Class B
13	Body Nut	Steel	ASTM A307-A
14	Body Gasket	Graphite	Graphite
15	Body Nut	Steel	ASTM A563-B
16	Wedge Bushing	Ductile Iron	ASTM A536
17	Seat Ring	Cast Iron	ASTM A126, Class B
18	Wedge	Cast Iron	ASTM A126, Class B
19	Body	Cast Iron	ASTM A126, Class B
20	Stuffing Box Nut (not shown)	Steel	ASTM A563-B

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	2	7.00 178	12.00 305	7.00 178	6.00 152	0.63 16	215
Inches mm	2 1/2	7.50 191	13.25 337	7.00 178	7.00 178	0.69 17	335
Inches mm	3	8.00 203	13.50 343	8.00 203	7.50 191	0.75 19	510
Inches mm	4	9.00 229	17.00 432	10.00 254	9.00 229	0.94 24	945
Inches mm	5	10.00 254	18.00 457	12.00 305	10.00 254	0.94 24	1525
Inches mm	6	10.50 267	22.00 559	12.00 305	11.00 279	1.00 25	2250
Inches mm	8	11.50 292	26.50 673	14.00 356	13.50 343	1.13 29	4150
Inches mm	10	13.00 330	30.00 762	16.00 406	16.00 406	1.19 30	6700
Inches mm	12	14.00 356	35.00 889	18.00 457	19.00 483	1.25 32	9925

Note: The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (.25%) of lead by weight. Meets the requirements of Senate law S.3874.

† Non-Shock



MILWAUKEE VALVE

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F-2882-MRW 2"-16"

F-2882-MRWSQ 2"-16"

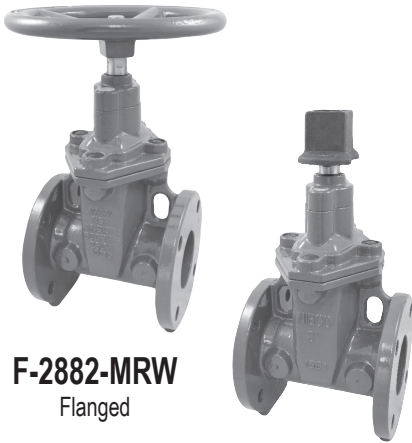


NSF/ANSI 61
NSF/ANSI 372

Iron Gate Valve for Potable Water
300 psi (2" - 12") 250 psi (14" - 16")
Non-Rising Stem • Resilient Wedge
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-70

300 PSI/20.6 Bar Non-Shock Cold Working Pressure

CERTIFIED LEAD-FREE* BY TRUESDAIL LABORATORIES TO NSF/ANSI 61 & 372

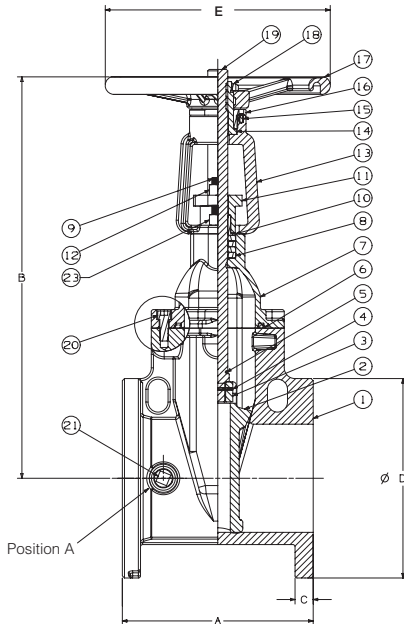


F-2882-MRW
Flanged

F-2882-MRWSQ
Flanged

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Valve Body	Ductile Iron	ASTM A536 65-45-12
2	Resilient Wedge	Ductile Iron	ASTM A536/EPDM ASTM D2000
3	Wedge Nut	Bronze	ASTM B584 UNS C83600
4	Stem	Stainless Steel 304	Commercial
5	Bonnet Gasket	EPDM	ASTM D2000
6	Bonnet Screw	Corrosion-resistant Steel	Commercial
7	Bonnet	Ductile Iron	ASTM A536
8	Stem Primary O-Ring	EPDM	ASTM D2000
9	Stem Thrust Washer (Lower)	Bronze	ASTM B584 UNS C83600
10	Stem Thrust Washer (Upper)	Stainless Steel	ASTM A276 UNS S41000
11	Gland Seal O-Ring	EPDM	ASTM D2000
12	Stem Seal Bushing	Bronze	ASTM B584 UNS C83600
13	Stem Secondary O-Ring	EPDM	ASTM D2000
14	Gland Flange	Ductile Iron	ASTM A536
15	Stem Ring Wiper	EPDM	ASTM D2000

Coating- Electrostatically applied fusion-bonded epoxy 8-20 mil. inside and outside meets or exceeds performance requirements of AWWA C550. Epoxy coating is not intended to serve as a dielectric barrier internal to the pipe system.



DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches	2	7.00	10.00	0.63	6.00	7.90	215
mm		178	255	16	152	200	
Inches	2 1/2	7.50	11.30	0.69	7.00	7.90	335
mm		190	287	18	178	200	
Inches	3	8.00	12.60	0.75	7.50	10.20	510
mm		203	321	19	191	260	
Inches	4	9.00	13.50	0.94	9.00	10.20	945
mm		229	344	24	229	260	
Inches	6	10.50	17.40	1.00	11.00	14.80	2250
mm		267	441	25	279	375	
Inches	8	11.50	20.80	1.13	13.50	14.80	4150
mm		292	529	29	343	375	
Inches	10	13.00	24.20	1.19	16.00	15.70	6700
mm		330	614	30	406	400	
Inches	12	14.00	27.60	1.25	19.00	19.70	9925
mm		356	700	32	483	500	
Inches	14	15.00	31.80	1.38	21.00	19.70	13800
mm		381	807	35	533	500	
Inches	16	16.00	34.41	1.46	23.50	19.70	18375
mm		406	869	37	597	500	

INNOVATION IN EVERY VALVE

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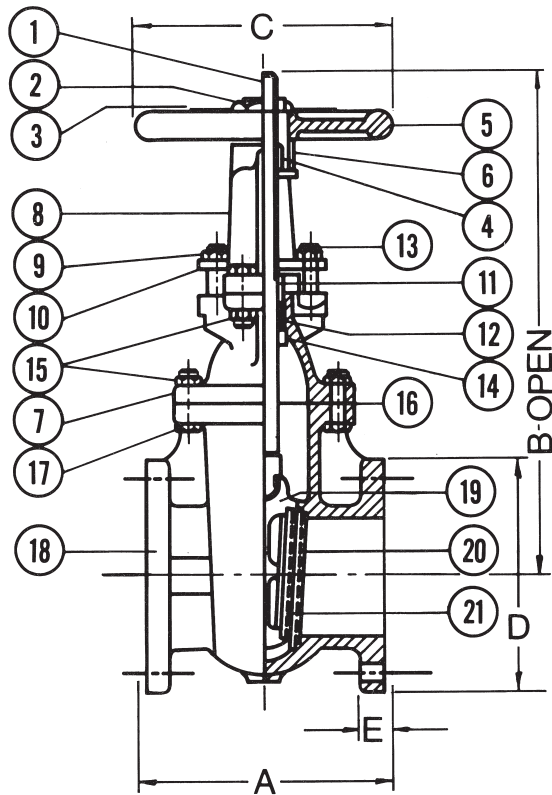
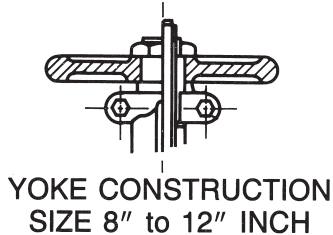


MILWAUKEE VALVE

F-2885A 2"-12"

Iron Gate Valve
125 SWP - 200 WOG †
OS & Y • Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-70

Flange shape and drilling to specification ASME B 16.1 (125 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Stem	Brass	ASTM B16
2	Handwheel Nut	Ductile Iron	
3	Name Plate	Aluminum	
4	Yoke Bushing	Cast Bronze	ASTM B62
5	Handwheel	Cast Iron	ASTM A126, Class B
6 ²	Yoke Bushing Nut	Cast Iron	ASTM A126, Class B
7 ¹	Bonnet	Cast Iron	ASTM A126, Class B
8 ¹	Yoke	Cast Iron	ASTM A126, Class B
9	Gland Follower Nut	Steel	ASTM A307-B
10	Gland Follower	Ductile Iron	ASTM A536
11	Packing Gland	Cast Bronze	ASTM B62
12	Packing	Graphite	
13	Gland Follower Bolt	Steel	ASTM A307-B
14	Backseat Bushing	Cast Bronze	ASTM B62
15	Nut	Steel	ASTM A307-B
16	Body Gasket	Aramid Fiber/NBR	
17	Bolt	Steel	ASTM A307-B
18	Body	Cast Iron	ASTM A126, Class B
19	Wedge	Cast Iron	ASTM A126, Class B
20	Seat Ring	Cast Bronze	ASTM B62
21	Wedge Face Ring	Cast Bronze	ASTM B62

¹ Sizes 2" to 3" made with yoke integral with bonnet.
 Sizes 4" through 12" made with separate yoke bolted to bonnet.
² Sizes 2" to 3" only

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches	2	7.00	15.00	7.00	6.00	0.63	215
mm		178	381	178	152	16	
Inches	2 1/2	7.50	16.88	7.00	7.00	0.69	335
mm		191	429	178	178	17	
Inches	3	8.00	18.75	8.00	7.50	0.75	510
mm		203	476	203	191	19	
Inches	4	9.00	22.75	10.00	9.00	0.94	945
mm		229	578	254	229	24	
Inches	5	10.00	27.13	12.00	10.00	0.94	1525
mm		254	689	305	254	24	
Inches	6	10.50	30.13	12.00	11.00	1.00	2250
mm		267	765	305	279	25	
Inches	8	11.50	40.13	14.00	13.50	1.13	4150
mm		292	1019	356	343	29	
Inches	10	13.00	48.25	16.00	16.00	1.81	6700
mm		330	1226	406	406	46	
Inches	12	14.00	56.88	18.00	19.00	1.25	9925
mm		356	1445	457	483	32	

† Non-Shock

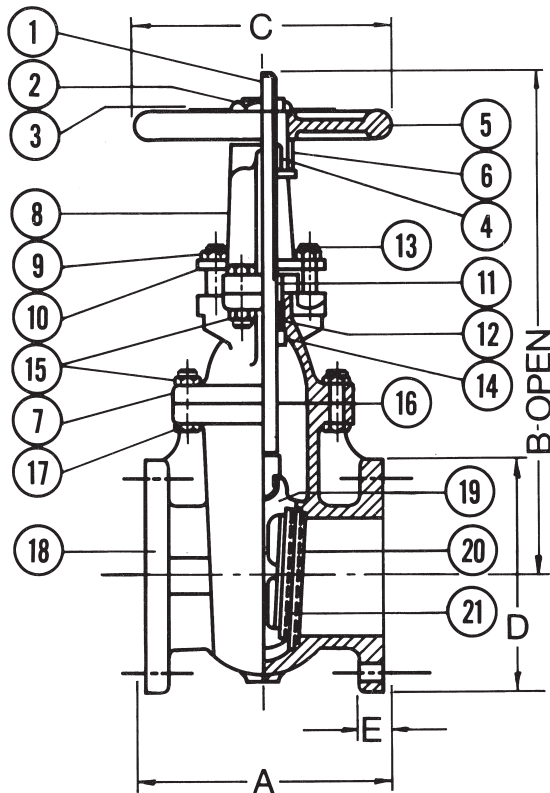
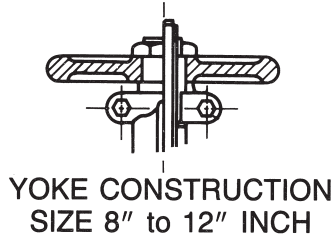


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WARNING: Cancer and Reproductive Harm. For more information visit www.p65warnings.ca.gov.



F-2885-M 2"-12"

Iron Gate Valve
125 SWP - 200 WOG †
OS & Y • Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-70



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Stem	Brass	ASTM B16
2	Handwheel Nut	Ductile Iron	
3	Name Plate	Aluminum	
4	Yoke Bushing	Cast Bronze	ASTM B62
5	Handwheel	Cast Iron	ASTM A126, Class B
6 ²	Yoke Bushing Nut	Cast Iron	ASTM A126, Class B
7 ¹	Bonnet	Cast Iron	ASTM A126, Class B
8 ¹	Yoke	Cast Iron	ASTM A126, Class B
9	Gland Follower Nut	Steel	ASTM A307-B
10	Gland Follower	Ductile Iron	ASTM A536
11	Packing Gland	Cast Bronze	ASTM B62
12	Packing	Graphite	
13	Gland Follower Bolt	Steel	ASTM A307-B
14	Backseat Bushing	Cast Bronze	ASTM B62
15	Nut	Steel	ASTM A307-B
16	Body Gasket	Graphite	
17	Bolt	Steel	ASTM A307-B
18	Body	Cast Iron	ASTM A126, Class B
19	Wedge	Cast Iron	ASTM A126, Class B
20	Seat Ring	Cast Bronze	ASTM B62
21	Wedge Face Ring	Cast Bronze	ASTM B62

¹ Sizes 2" to 3" made with yoke integral with bonnet.
 Sizes 4" through 12" made with separate yoke bolted to bonnet.
² Sizes 2" to 3" only

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	2	7.00 178	15.00 381	7.00 178	6.00 152	0.63 16	215
Inches mm	2 1/2	7.50 191	16.88 429	7.00 178	7.00 178	0.69 17	335
Inches mm	3	8.00 203	18.75 476	8.00 203	7.50 191	0.75 19	510
Inches mm	4	9.00 229	22.75 578	10.00 254	9.00 229	0.94 24	945
Inches mm	5	10.00 254	27.13 689	12.00 305	10.00 254	0.94 24	1525
Inches mm	6	10.50 267	30.13 765	12.00 305	11.00 279	1.00 25	2250
Inches mm	8	11.50 292	40.13 1019	14.00 356	13.50 343	1.13 29	4150
Inches mm	10	13.00 330	48.25 1226	16.00 406	16.00 406	1.81 46	6700
Inches mm	12	14.00 356	56.88 1445	18.00 457	19.00 483	1.25 32	9925

Suffix M – Signifies "MILVACO" Series International Valves.
 † Non-Shock



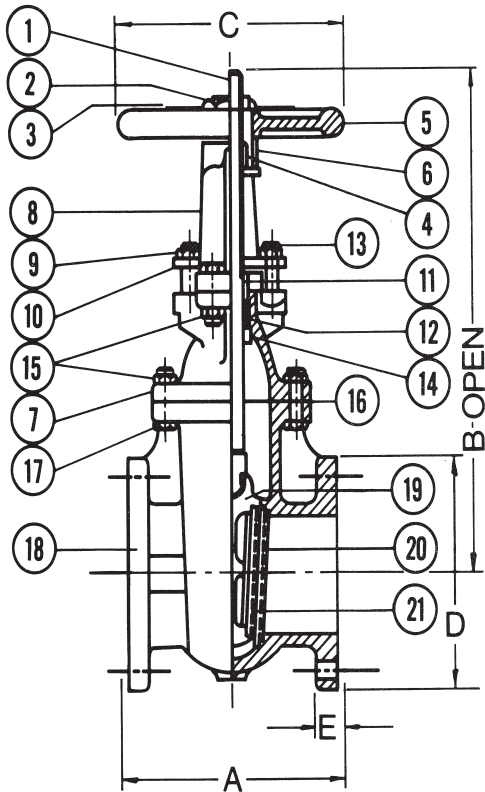
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WARNING: Cancer and Reproductive Harm. For more information visit www.p65warnings.ca.gov.



F-2885-M 14"-24"

Iron Gate Valve
100 SWP -150 WOG †
OS & Y • Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-70

Flange shape and drilling to specification ASME/ANSI B16.1 (125 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Stem	Brass	ASTM B16
2	Handwheel Nut	Ductile Iron	
3	Name Plate	Aluminum	
4	Yoke Bushing	Cast Bronze	ASTM B62
5	Handwheel	Cast Iron	ASTM A126, Class B
6	Yoke Bushing Nut	Cast Iron	ASTM A126, Class B
7	Bonnet	Cast Iron	ASTM A126, Class B
8	Yoke	Cast Iron	ASTM A126, Class B
9	Gland Follower Nut	Steel	ASTM A307-B
10	Gland Follower	Ductile Iron	ASTM A536
11	Packing Gland	Cast Bronze	ASTM B62
12	Packing	Graphite	
13	Gland Follower Bolt	Steel	ASTM A307-B
14	Backseat Bushing	Cast Bronze	ASTM B62
15	Nut	Steel	ASTM A307-B
16	Body Gasket	Graphite	
17	Bolt	Steel	ASTM A307-B
18	Body	Cast Iron	ASTM A126, Class B
19	Wedge	Cast Iron	ASTM A126, Class B
20	Seat Ring	Cast Bronze	ASTM B62
21	Wedge Face Ring	Cast Bronze	ASTM B62

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches	14	15.00	62.00	20.00	21.00	1.38	13800
mm		381	1575	508	533	35	
Inches	16	16.00	71.00	22.00	23.50	1.44	18375
mm		406	1803	559	570	37	
Inches	18	17.00	75.00	24.00	25.00	1.56	23600
mm		432	1905	610	635	40	
Inches	20	18.00	87.00	24.00	28.00	1.69	29600
mm		457	2210	610	699	43	
Inches	24	20.00	100.00	30.00	32.00	1.88	43570
mm		508	2540	762	813	48	

Suffix M – Signifies “MILVACO” Series International Valves.

† Non-Shock

INNOVATION IN EVERY VALVE

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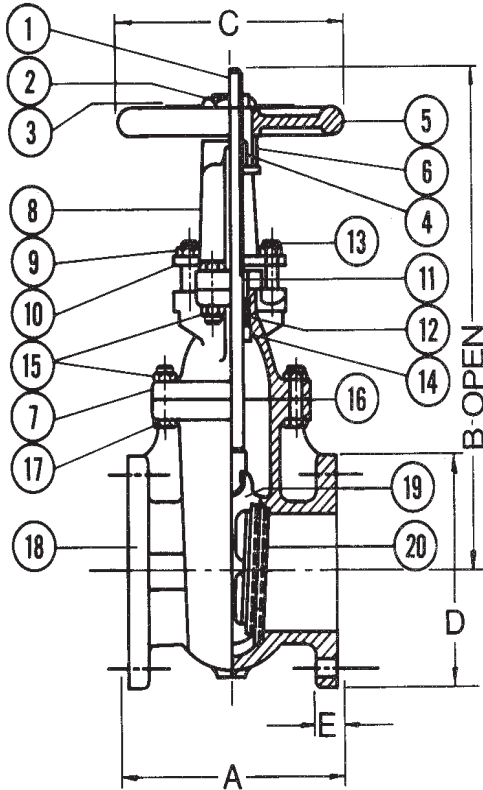

MILWAUKEE VALVE



F-2885-A26 2"-12"

Iron Gate Valve for Potable Water
125 SWP -200 WOG †
OS & Y • Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-70

Flange shape and drilling to specification ASME/ANSI B16.1 (125 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Stem	Steel	ASTM A108-Gr.1020
2	Handwheel Nut	Ductile Iron	ASTM A 536
3	Name Plate	Aluminum	
4	Yoke Bushing	Ductile Iron	ASTM A 536
5	Handwheel	Cast Iron	ASTM A126, Class B
6 ²	Yoke Bushing Nut	Cast Iron	ASTM A 126, Class B
7 ¹	Bonnet	Cast Iron	ASTM A 126, Class B
8 ¹	Yoke	Cast Iron	ASTM A 126, Class B
9	Gland Follower Nut	Steel	ASTM A307-B
10	Gland Follower	Ductile Iron	ASTM A 536
11	Packing Gland	Cast Iron	ASTM A 126, Class B
12	Packing	Graphite	
13	Gland Follower Bolt	Steel	ASTM A307-B
14	Backseat Bushing	Ductile Iron	ASTM A 536
15	Nut	Steel	ASTM A307-B
16	Body Gasket	Aramid Fiber/NBR	
17	Bolt	Steel	ASTM A307-B
18	Body	Cast Iron	ASTM A126, Class B
19	Wedge	Cast Iron	ASTM A126, Class B
20	Seat Ring	Cast Iron	ASTM A126, Class B

¹ Sizes 2" to 3" made with yoke integral with bonnet.
 Sizes 4" through 12" made with separate yoke bolted to bonnet.
² Sizes 2" to 3" only

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	2	7.00 178	15.00 381	7.00 178	6.00 152	0.63 16	215
Inches mm	2 1/2	7.50 191	16.88 429	7.00 178	7.00 178	0.69 17	335
Inches mm	3	8.00 203	18.75 476	8.00 203	7.50 191	0.75 19	510
Inches mm	4	9.00 229	22.75 578	10.00 254	9.00 229	0.94 24	945
Inches mm	5	10.00 254	27.13 689	12.00 305	10.00 254	0.94 24	1525
Inches mm	6	10.50 267	30.13 765	12.00 305	11.00 279	1.00 25	2250
Inches mm	8	11.50 292	40.13 1019	14.00 356	13.50 343	1.13 29	4150
Inches mm	10	13.00 330	48.25 1226	16.00 406	16.00 406	1.81 46	6700
Inches mm	12	14.00 356	56.88 1445	18.00 457	19.00 483	1.25 32	9925

† Non-Shock



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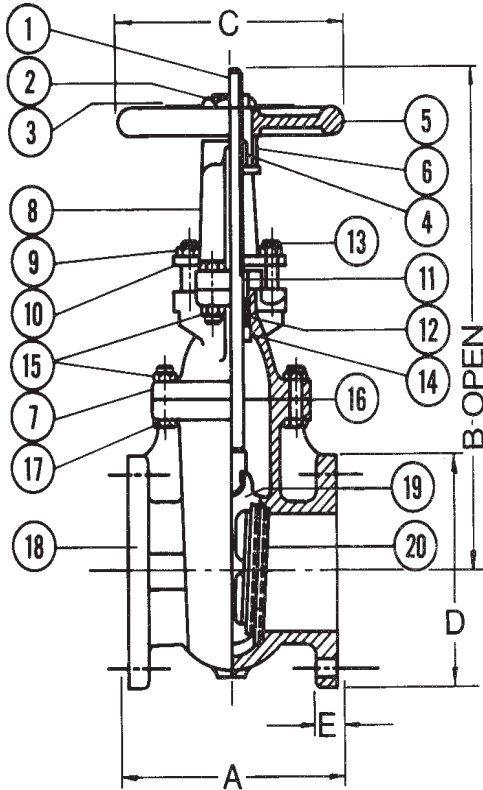




F-2885-M26 2"-12"

Iron Gate Valve for Potable Water
125 SWP -200 WOG †
OS & Y • Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-70

Flange shape and drilling to specification ASME/ANSI B16.1 (125 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Stem	Steel	ASTM A108-Gr.1020
2	Handwheel Nut	Ductile Iron	ASTM A 536
3	Name Plate	Aluminum	
4	Yoke Bushing	Ductile Iron	ASTM A 536
5	Handwheel	Cast Iron	ASTM A126, Class B
6 ²	Yoke Bushing Nut	Cast Iron	ASTM A 126, Class B
7 ¹	Bonnet	Cast Iron	ASTM A 126, Class B
8 ¹	Yoke	Cast Iron	ASTM A 126, Class B
9	Gland Follower Nut	Steel	ASTM A307-B
10	Gland Follower	Ductile Iron	ASTM A 536
11	Packing Gland	Cast Iron	ASTM A 126, Class B
12	Packing	Graphite	
13	Gland Follower Bolt	Steel	ASTM A307-B
14	Backseat Bushing	Ductile Iron	ASTM A 536
15	Nut	Steel	ASTM A307-B
16	Body Gasket	Graphite	
17	Bolt	Steel	ASTM A307-B
18	Body	Cast Iron	ASTM A126, Class B
19	Wedge	Cast Iron	ASTM A126, Class B
20	Seat Ring	Cast Iron	ASTM A126, Class B

¹ Sizes 2" to 3" made with yoke integral with bonnet.
 Sizes 4" through 12" made with separate yoke bolted to bonnet.
² Sizes 2" to 3" only

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	2	7.00 178	15.00 381	7.00 178	6.00 152	0.63 16	215
Inches mm	2 1/2	7.50 191	16.88 429	7.00 178	7.00 178	0.69 17	335
Inches mm	3	8.00 203	18.75 476	8.00 203	7.50 191	0.75 19	510
Inches mm	4	9.00 229	22.75 578	10.00 254	9.00 229	0.94 24	945
Inches mm	5	10.00 254	27.13 689	12.00 305	10.00 254	0.94 24	1525
Inches mm	6	10.50 267	30.13 765	12.00 305	11.00 279	1.00 25	2250
Inches mm	8	11.50 292	40.13 1019	14.00 356	13.50 343	1.13 29	4150
Inches mm	10	13.00 330	48.25 1226	16.00 406	16.00 406	1.81 46	6700
Inches mm	12	14.00 356	56.88 1445	18.00 457	19.00 483	1.25 32	9925

Suffix M – Signifies "MILVACO" Series International Valves.
 † Non-Shock



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F-2885-FP 2 1/2" - 8"

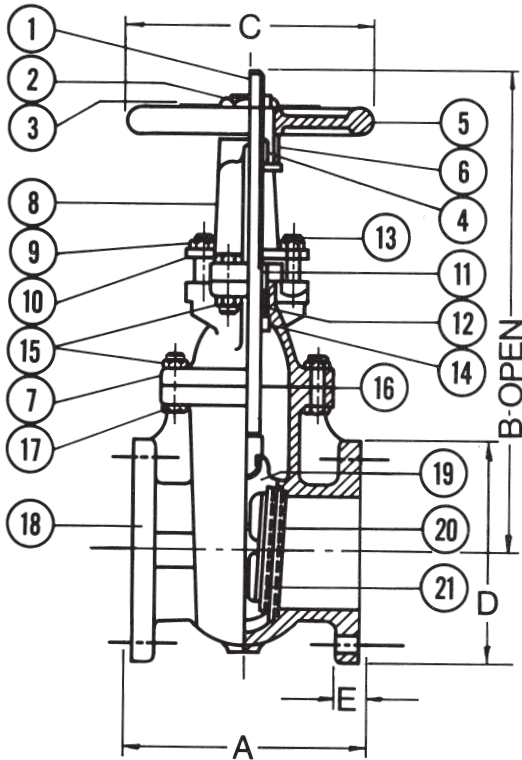
Iron Gate Valve
175 WOG †

NEW YORK CITY BOARD OF STANDARDS and APPROVAL

Approvals: U.L. Listed, F.M.,
N.Y.C. B.S.A. No. 278-90-SM



OS & Y • Solid Wedge Disc
Bolted Bonnet • Flanged Ends



MATERIAL LIST

No.	PART	MATERIAL	SPECIFICATION
1	Stem	Silicon Brass	1 ASTM B98
2	Handwheel Nut	Ductile Iron	ASTM A636
3	Name Plate	Aluminum	
4	Yoke Bushing	Brass	ASTM B16
5	Handwheel	Cast Iron	ASTM A126, Class B
6 ²	Yoke Bushing Nut	Cast Iron	ASTM A126, Class B
7 ³	Bonnet	Cast Iron	ASTM A126, Class B
8 ³	Yoke	Cast Iron	ASTM A126, Class B
9	Gland Follower Nut	Steel	ASTM A563
10	Gland Follower	Ductile Iron	ASTM A536
11	Packing Gland	Brass	ASTM B16
12	Packing	Graphite	
13	Gland Follower Bolt	Steel	ASTM A307-B
14	Backseat Bushing	Brass	ASTM B16
15	Nut	Steel	ASTM A563
16	Body Gasket	Aramid Fiber/NBR	
17	Bolt	Steel	ASTM A 307-B
18	Body	Cast Iron	ASTM A126, Class B
19	Wedge	Cast Iron	ASTM A126, Class B
20	Seat Ring	Cast Bronze	ASTM B62
21	Wedge Face Ring	Cast Bronze	ASTM B62

¹ 8" is Brass ASTM B-16

² Sizes 2 1/2" to 6" inch only.

³ Sizes 2 1/2" and 3" made with yoke integral with bonnet.

Sizes 4" through 8" made with separate yoke bolted to bonnet.

DIMENSIONS - INCHES/MILLIMETERS

Units	Size	A	B	C	D	E	C _v
Inches	2 1/2	7.50	16.00	7.00	7.00	0.69	335
mm		191	406	178	178	17	
Inches	3	8.00	18.50	7.50	7.50	0.75	510
mm		203	470	191	191	19	
Inches	4	9.00	22.25	8.00	9.00	0.94	945
mm		229	565	203	229	24	
Inches	6	10.50	30.50	11.75	11.00	1.00	2250
mm		267	775	298	279	25	
Inches	8	11.50	38.38	13.50	13.50	1.13	4150
mm		292	975	343	343	29	

INNOVATION IN EVERY VALVE

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WARNING: Cancer and Reproductive Harm. For more information visit www.p65warnings.ca.gov.



MILWAUKEE VALVE



F-2885-MRW 2 1/2"-16"

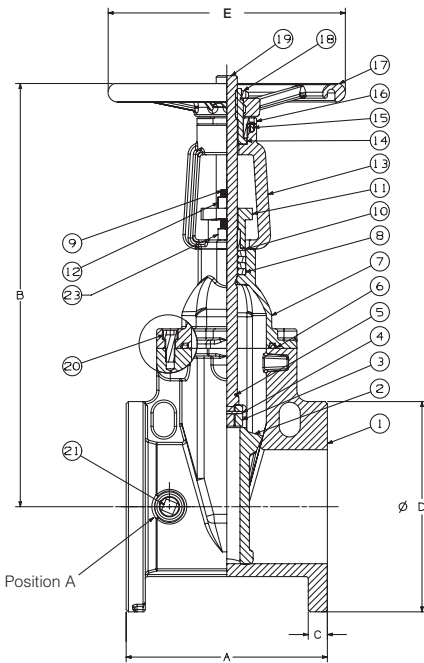


NSF/ANSI 61
NSF/ANSI 372

Iron Gate Valve for Potable Water
300 psi (2"-12") 250 psi (14"-16") 300 psi
Rising Stem • Resilient Wedge
Bolted Bonnet • Flanged Ends
Epoxy Coated Interior/Exterior
Drilled Tapped & Plugged at Boss Location A
Conforms to: MSS SP-70

300 PSI/20.6 Bar Non-Shock Cold Working Pressure

CERTIFIED LEAD-FREE* BY TRUESDAIL LABORATORIES TO NSF/ANSI 61 & 372



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Valve Body	Ductile Iron	ASTM A536
2	Resilient Wedge	Ductile Iron	ASTM A536/EPDM ASTM D2000
3	Wedge Nut	Bronze	ASTM B584 UNS C83600
4	Dowel Pin	Stainless Steel	ASTM A276 SS304
5	Stem Back Seat O-Ring	EPDM	ASTM D2000
6	Bonnet Gasket	EPDM	ASTM D2000
7	Bonnet	Ductile Iron	ASTM A536
8	Stem Packing	EPDM	ASTM D2000
9	Threaded Rod	Stainless Steel	ASTM A276 SS304
10	Gland Bushing	Bronze	ASTM B584 UNS C83600
11	Gland	Ductile Iron	ASTM A536
12	Gland Nut	Aluminum Bronze	ASTM B148 C95200
13	Yoke	Ductile Iron	ASTM A536
14	Yoke Bushing	Brass	ASTM B150 C61400
15	Flat Point Set Screw	Steel	ASTM F912M
16	Yoke Bushing Retainer	Cast Iron	ASTM A126 Class B
17	Handwheel	Ductile Iron	ASTM A536
18	Handwheel Nut	Carbon Steel Corrosion Resistant	Commercial
19	Stem	Stainless Steel 304	Commercial
20	Bonnet Screw	Corrosion-Resistant Steel	Commercial
21	NPT Pipe Plug	Steel	ASME B16.14
22	UL/FM Label (Not Shown)	Aluminum	Commercial
23	Yoke Screw	Steel Plated	ASTM A307
24	Drive Screw Label (Not Shown)	Stainless Steel 304	Commercial

Coating- Electrostatically applied fusion-bonded epoxy 8-20 mil. inside and outside meets or exceeds AWWA C550. **Drilled, tapped and plugged at position A with 1/2" sizes 2 1/2" - 4", 3/4" on 6" - 8", 1" on 10" - 12".

Note 1: Flanged valve is consistent with ANSI B16.1 Class 125.

Note 2: Available without grooved stem and tapped side boss. Order 2885-MRWB

DIMENSIONS - INCHES/MILLIMETERS								
Units	Size	A	B Open	B Closed	C	D	E	C _v
Inches	2 1/2	7.50	17.98	14.90	0.69	7.00	7.90	335
mm		190	453	378	19	178	2.00	
Inches	3	8.00	19.70	15.90	0.75	7.50	7.90	510
mm		203	500	405	19	191	2.00	
Inches	4	9.00	21.00	16.60	0.94	9.00	10.20	945
mm		229	534	442	24	229	260	
Inches	6	10.50	29.30	22.90	1.00	11.00	12.40	2250
mm		267	744	581	25	279	315	
Inches	8	11.50	37.00	28.50	1.13	13.50	14.80	4150
mm		292	939	724	29	343	375	
Inches	10	13.00	44.80	34.50	1.19	16.00	16.40	6700
mm		330	1139	877	30	406	406	
Inches	12	14.00	52.20	39.90	1.25	19.00	17.51	9925
mm		356	1326	1014	32	483	445	
Inches	14	15.00	62.20	50.00	1.38	21.00	19.70	13800
mm		381	1580	1270	35	533	500	
Inches	16	16.00	65.90	50.40	1.44	23.50	19.70	18375
mm		406	1674	1280	37	597	500	

INNOVATION IN EVERY VALVE



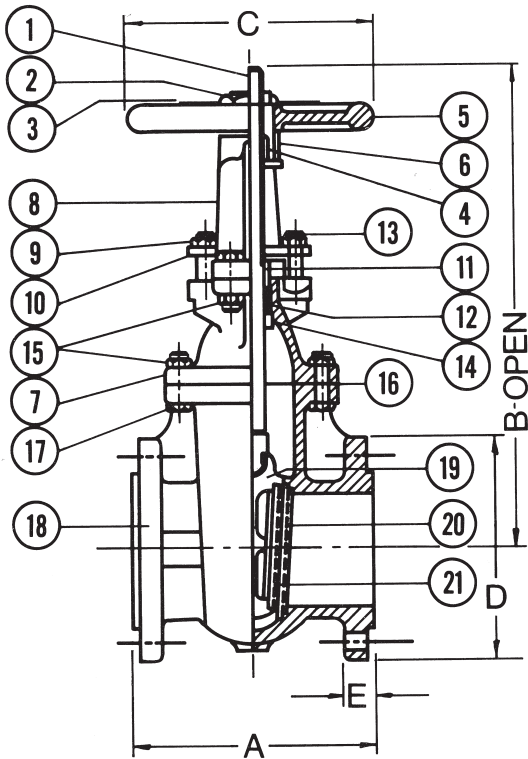
MILWAUKEE VALVE

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F-2894A 2"-12"

Iron Gate Valve
250 SWP - 500 WOG †
OS & Y • Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-70

Flange shape and drilling to specification ASME B 16.1 (250 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Stem	Brass	ASTM B16
2	Handwheel Nut	Ductile Iron	
3	Name Plate	Aluminum	
4	Yoke Bushing	Cast Bronze	ASTM B62
5	Handwheel	Cast Iron	ASTM A126, Class B
6 ²	Yoke Bushing Nut	Cast Iron	ASTM A126, Class B
7 ¹	Bonnet	Cast Iron	ASTM A126, Class B
8 ¹	Yoke	Cast Iron	ASTM A126, Class B
9	Gland Follower Nut	Steel	ASTM A307-B
10	Gland Follower	Ductile Iron	ASTM A 536
11	Packing Gland	Cast Bronze	ASTM B62
12	Packing	Graphite	
13	Gland Follower Bolt	Steel	ASTM A307-B
14	Backseat Bushing	Cast Bronze	ASTM B62
15	Nut	Steel	ASTM A307-B
16	Body Gasket	Aramid Fiber/NBR	
17	Bolt	Steel	ASTM A307-B
18	Body	Cast Iron	ASTM A126, Class B
19	Wedge	Cast Iron	ASTM A126, Class B
20	Seat Ring	Cast Bronze	ASTM B62
21	Wedge Face Ring	Cast Bronze	ASTM B62

- ¹ Sizes 2" to 3" made with yoke integral with bonnet.
- ² Sizes 4" through 12" made with separate yoke bolted to bonnet.

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches	2	8.50	16.00	8.00	6.50	0.88	215
mm		216	406	203	165	22	
Inches	2 1/2	9.50	16.88	8.00	7.50	1.00	335
mm		241	429	203	191	25	
Inches	3	11.13	19.38	10.00	8.25	1.13	510
mm		283	492	254	210	29	
Inches	4	12.00	23.63	12.00	10.00	1.25	945
mm		305	600	305	254	32	
Inches	5	15.00	27.75	12.00	11.00	1.38	1525
mm		381	705	305	279	35	
Inches	6	15.88	32.38	14.00	12.50	1.44	2250
mm		403	822	356	318	37	
Inches	8	16.50	40.50	16.00	15.00	1.63	4150
mm		419	1245	406	381	41	
Inches	10	18.00	49.00	18.00	17.50	1.88	6700
mm		457	1245	457	445	48	
Inches	12	19.75	56.88	20.00	20.50	2.00	9925
mm		502	1445	508	521	51	

† Non-Shock

INNOVATION IN EVERY VALVE

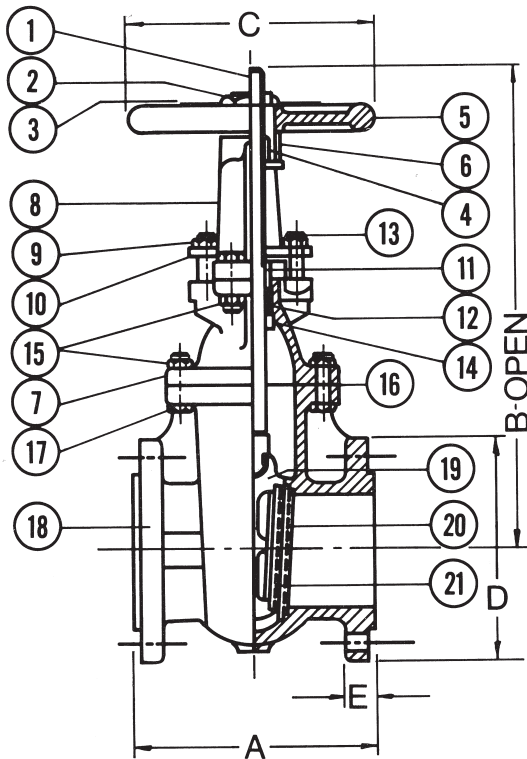
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MILWAUKEE VALVE

F-2894-M 2"-12"

Iron Gate Valve
250 SWP - 500 WOG †
OS & Y • Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-70

Flange shape and drilling to specification ASME B 16.1 (250 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Stem	Brass	ASTM B16
2	Handwheel Nut	Ductile Iron	
3	Name Plate	Aluminum	
4	Yoke Bushing	Cast Bronze	ASTM B62
5	Handwheel	Cast Iron	ASTM A126, Class B
6 ²	Yoke Bushing Nut	Cast Iron	ASTM A126, Class B
7 ¹	Bonnet	Cast Iron	ASTM A126, Class B
8 ¹	Yoke	Cast Iron	ASTM A126, Class B
9	Gland Follower Nut	Steel	ASTM A307-B
10	Gland Follower	Ductile Iron	ASTM A536
11	Packing Gland	Cast Bronze	ASTM B62
12	Packing	Graphite	
13	Gland Follower Bolt	Steel	ASTM A307-B
14	Backseat Bushing	Cast Bronze	ASTM B62
15	Nut	Steel	ASTM A307-B
16	Body Gasket	Graphite	
17	Bolt	Steel	ASTM A307-B
18	Body	Cast Iron	ASTM A126, Class B
19	Wedge	Cast Iron	ASTM A126, Class B
20	Seat Ring	Cast Bronze	ASTM B62
21	Wedge Face Ring	Cast Bronze	ASTM B62

¹ Sizes 2" to 3" made with yoke integral with bonnet.
² Sizes 4" through 12" made with separate yoke bolted to bonnet.

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	2	8.50 216	16.00 406	8.00 203	6.50 165	0.88 22	215
Inches mm	2 1/2	9.50 241	16.88 429	8.00 203	7.50 191	1.00 25	335
Inches mm	3	11.13 283	19.38 492	10.00 254	8.25 210	1.13 29	510
Inches mm	4	12.00 305	23.63 600	12.00 305	10.00 254	1.25 32	945
Inches mm	5	15.00 381	27.75 705	12.00 305	11.00 279	1.38 35	1525
Inches mm	6	15.88 403	32.38 822	14.00 356	12.50 318	1.44 37	2250
Inches mm	8	16.50 419	40.50 1245	16.00 406	15.00 381	1.63 41	4150
Inches mm	10	18.00 457	49.00 1245	18.00 457	17.50 445	1.88 48	6700
Inches mm	12	19.75 502	56.88 1445	20.00 508	20.50 521	2.00 51	9925

Suffix M – Signifies "MILVACO" Series International Valves.
 † Non-Shock

INNOVATION IN EVERY VALVE

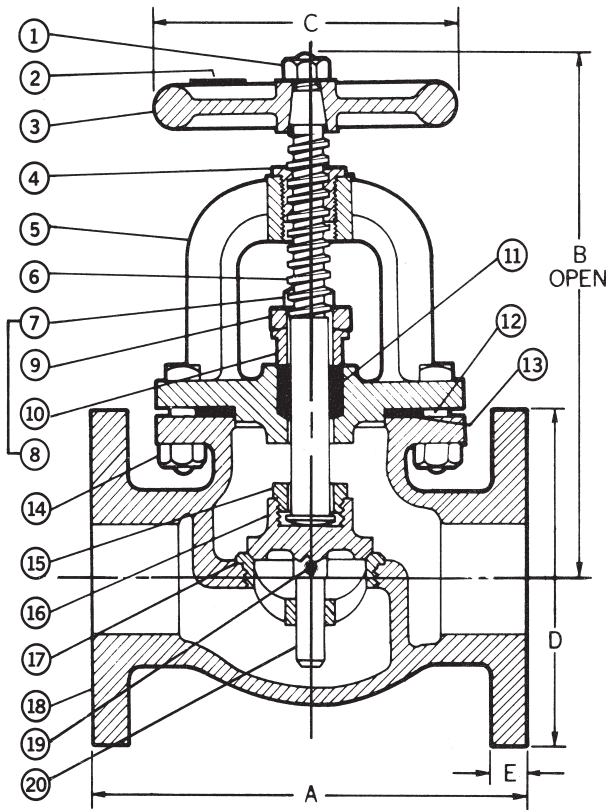
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F-2981A 2"-10"

Iron Globe Valve
125 SWP - 200 WOG †
Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-85

Flange shape and drilling to specification ASME B16.1 (125 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Handwheel Nut	Steel	ASTM A307-B
2	Name Plate	Aluminum	
3	Handwheel	Cast Iron	ASTM A126, Class B
4	Yoke Bushing	Bronze	ASTM B62
5	Bonnet	Cast Iron	ASTM A 126, Class B
6	Stem	Brass	ASTM B16
7	Gland Follower Nut	Bronze	
8	Gland Follower Stud	Steel	ASTM A307-B
9	Gland Follower	Ductile Iron	ASTM A536
10	Packing Gland	Cast Bronze	ASTM B62
11	Packing	Graphite	
12	Body Bolt	Steel	ASTM A307-B
13	Body Gasket	Aramid Fiber/NBR	
14	Body Nut	Steel	ASTM A307-B
15	Swivel Nut	Bronze	ASTM B62
16 1	Disc	Bronze	ASTM B62
17	Seat Ring	Bronze	ASTM B62
18	Body	Cast Iron	ASTM A 126, Class B
19 1	Taper Pin	Steel	
20 1	Guide Pin	Brass	ASTM B16

1 Sizes through 2 1/2" have bronze ASTM B62 disc. 3" through 10" have iron disc with bronze disc face rings and brass pilots.

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	2	8.00 203	10.19 259	7.00 178	6.00 152	0.63 16	45
Inches mm	2 1/2	8.50 216	11.81 300	7.00 178	7.00 178	0.69 17	70
Inches mm	3	9.50 241	12.50 318	8.00 203	7.50 191	0.75 19	105
Inches mm	4	11.50 292	15.81 402	10.00 254	9.00 229	0.94 24	195
Inches mm	5	13.00 331	16.50 419	12.00 305	10.00 254	0.94 24	315
Inches mm	6	14.00 356	18.88 479	12.00 305	11.00 279	1.00 25	465
Inches mm	8	19.50 495	21.13 537	14.00 356	13.50 343	1.13 29	860
Inches mm	10	24.50 622	25.19 640	16.00 406	16.00 406	1.19 30	1390

† Non-Shock
 Note: Does not meet Senate Law S.3874

INNOVATION IN EVERY VALVE

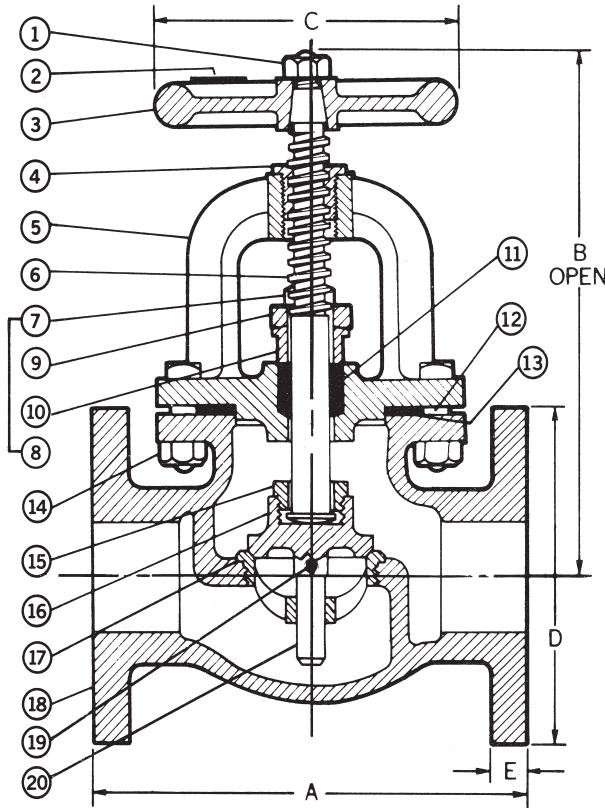
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MILWAUKEE VALVE

F-2981-M 2"-10"

Iron Globe Valve
125 SWP - 200 WOG †
Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-85

Flange shape and drilling to specification ASME B16.1 (125 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Handwheel Nut	Steel	ASTM A307-B
2	Name Plate	Aluminum	
3	Handwheel	Cast Iron	ASTM A126, Class B
4	Yoke Bushing	Bronze	ASTM B62
5	Bonnet	Cast Iron	ASTM A126, Class B
6	Stem	Brass	ASTM B16
7	Gland Follower Nut	Bronze	
8	Gland Follower Stud	Steel	ASTM A307-B
9	Gland Follower	Ductile Iron	ASTM A 536
10	Packing Gland	Cast Bronze	ASTM B62
11	Packing	Graphite	
12	Body Bolt	Steel	ASTM A307-B
13	Body Gasket	Graphite	
14	Body Nut	Steel	ASTM A307-B
15	Swivel Nut	Bronze	ASTM B62
16 1	Disc	Bronze	ASTM B62
17	Seat Ring	Bronze	ASTM B62
18	Body	Cast Iron	ASTM A126, Class B
19 1	Taper Pin	Steel	
20 1	Guide Pin	Brass	ASTM B16

¹ Sizes through 2 1/2" have bronze ASTM B62 disc. 3" through 10" have iron disc with bronze disc face rings and brass pilots.

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	2	8.00 203	10.19 259	7.00 178	6.00 152	0.63 16	45
Inches mm	2 1/2	8.50 216	11.81 300	7.00 178	7.00 178	0.69 17	70
Inches mm	3	9.50 241	12.50 318	8.00 203	7.50 191	0.75 19	105
Inches mm	4	11.50 292	15.81 402	10.00 254	9.00 229	0.94 24	195
Inches mm	5	13.00 331	16.50 419	12.00 305	10.00 254	0.94 24	315
Inches mm	6	14.00 356	18.88 479	12.00 305	11.00 279	1.00 25	465
Inches mm	8	19.50 495	21.13 537	14.00 356	13.50 343	1.13 29	860
Inches mm	10	24.50 622	25.19 640	16.00 406	16.00 406	1.19 30	1390

Suffix M – Signifies “MILVACO” Series International Valves.

† Non-Shock

Note: Does not meet Senate Law S.3874

INNOVATION IN EVERY VALVE

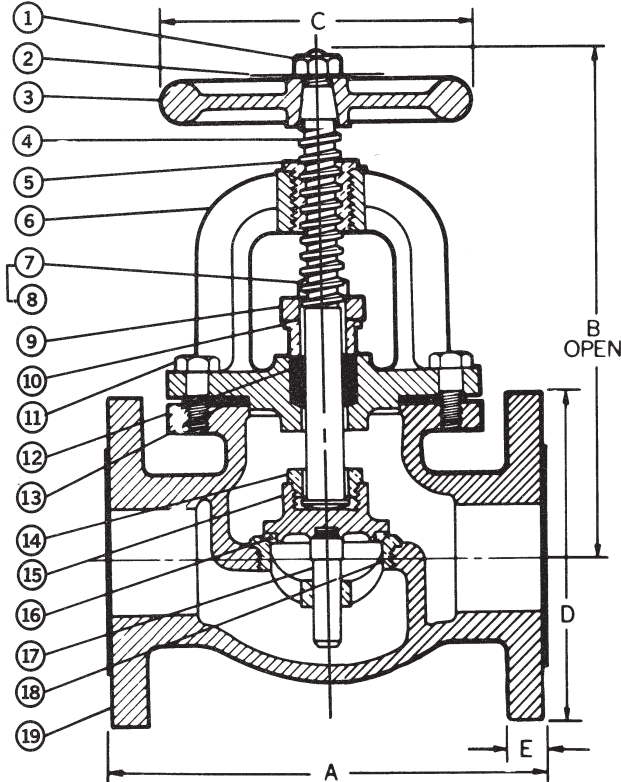
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MILWAUKEE VALVE

F-2983-M 2 1/2"-6"

Iron Globe Valve
250 SWP - 500 WOG †
Solid Wedge Disc
Bolted Bonnet • Flanged Ends
Conforms to: MSS SP-85

Flange shape and drilling to specification ASME B16.1 (250 lb.)



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Handwheel Nut	Steel	
2	Name Plate	Aluminum	
3	Handwheel	Cast Iron	ASTM A126, Class B
4	Stem	Brass	ASTM B16
5	Yoke Bushing	Cast Bronze	ASTM B62
6	Bonnet	Cast Iron	ASTM A126, Class B
7	Gland Follower Nut	Bronze	
8	Gland Follower Stud	Steel	
9	Gland Follower	Cast Iron	ASTM A126, Class B
10	Packing Gland	Brass	ASTM B16
11	Hex Head Cap Screws	Steel	
12	Packing	Graphite	
13	Body Gasket	Graphite	
14	Swivel Nut or Sleeve	Cast Bronze	ASTM B62
15 ¹	Disc	Cast Iron	ASTM A126, Class B
16	Disc Ring	Cast Bronze	ASTM B62
17	Disc Pilot	Cast Bronze	ASTM B62
18	Seat Ring	Cast Bronze	ASTM B62
19	Body	Cast Iron	ASTM A126, Class B

¹ Sizes through 3" have all bronze discs. Sizes 4" and 6" have cast iron disc with bronze disc face rings.

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	2 1/2	11.50 292	13.56 345	8.00 203	7.50 191	1.00 25	70
Inches mm	3	12.50 318	13.88 352	10.00 254	8.25 210	1.13 29	105
Inches mm	4	14.00 356	16.63 422	12.00 305	10.00 254	1.25 32	195
Inches mm	6	17.50 445	26.25 667	12.00 305	12.50 318	1.44 37	465

† Non-Shock

Note: Does not meet Senate Law S.3874

INNOVATION IN EVERY VALVE

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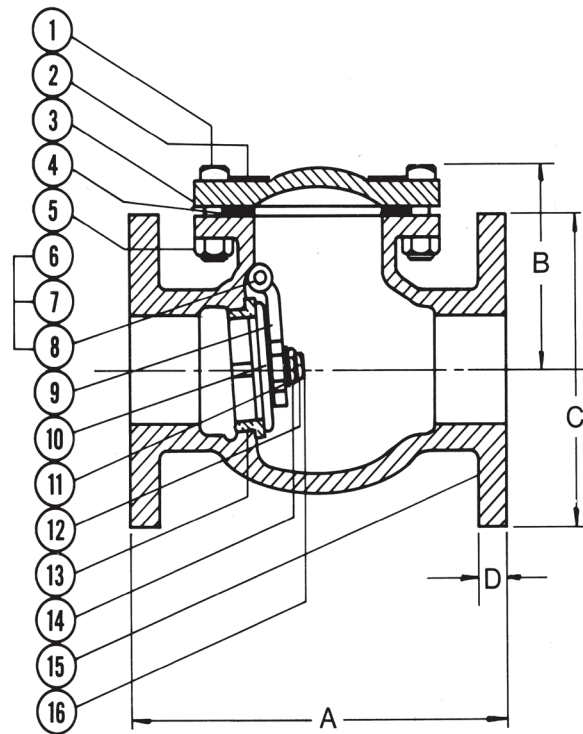


MILWAUKEE VALVE

F-2974A 2"-12"

Iron Check Valve
125 SWP - 200 WOG†
Horizontal Swing • Flanged Ends
Bolted Cover
Conforms to: MSS SP-71

Flange shape and drilling to specification ASME B 16.1 (125 lb).



Note 1: On pump discharge, the preferred check valve is either an in-line spring loaded valve or a swing design with lever and weight. Install these valves as far as possible from the pump and elbows with a minimum distance of 5 times the pipe diameter.

Note 2: These iron body check valves may be installed in horizontal and vertical lines with upward flow or in intermediate position.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Bolt	Steel	
2	Name Plate	Aluminum	
3	Cover	Cast Iron	ASTM A126, Class B
4	Cover Gasket	Graphite	
5	Nut	Steel	
6	Side Plug	Brass	ASTM B16
7	Side Plug Gasket	Aramid Fiber/NBR	
8	Hanger Pin	SS 304	ASTM B16
9	Hanger	Ductile Iron	ASTM A536
10 ¹	Disc	Cast Iron	ASTM A126, Class B
11	Washer	Steel	
12	Cotter Pin	Zinc Plated Steel	
13	Seat Ring	Bronze	ASTM B62
14	Disc Nut	Steel	ASTM A307
15	Body	Cast Iron	ASTM A126, Class B
16	Stud Bolt	Brass	ASTM B16

¹ Valve Disc-Cast Iron with bronze disc face rings

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	Cv
Inches mm	2	8.00 203	4.56 116	6.00 152	0.63 16	143
Inches mm	2 1/2	8.50 216	5.38 137	7.00 178	0.69 17	242
Inches mm	3	9.50 241	5.56 141	7.50 191	0.75 19	366
Inches mm	4	11.50 292	6.69 170	9.00 229	0.94 24	572
Inches mm	5	13.00 330	7.75 197	10.00 254	0.94 24	894
Inches mm	6	14.00 356	9.50 241	11.00 279	1.00 25	1287
Inches mm	8	19.50 495	10.38 264	13.50 343	1.13 29	2288
Inches mm	10	24.50 622	12.00 305	16.00 406	1.19 30	3574
Inches mm	12	27.50 699	13.50 343	19.00 483	1.25 32	5147

† Non-Shock

Note: Does not meet Senate Law S.3874

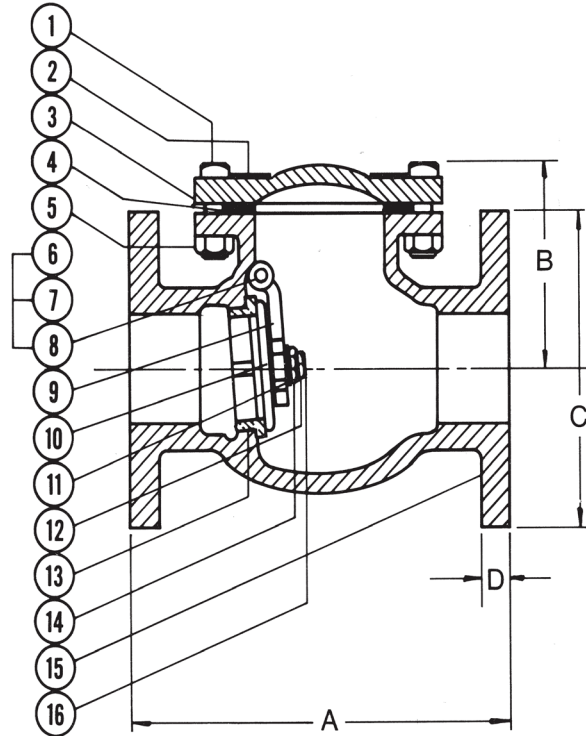
INNOVATION IN EVERY VALVE

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F-2974-A26 2"-12"

Flange shape and drilling to specification ASME B 16.1 (125 lb).



Note 1: On pump discharge, the preferred check valve is either an in-line spring loaded valve or a swing design with lever and weight. Install these valves as far as possible from the pump and elbows with a minimum distance of 5 times the pipe diameter.

Note 2: These iron body check valves may be installed in horizontal and vertical lines with upward flow or in intermediate position.

Note 3: The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (.25%) of lead by weight. Meets the requirements of Senate law S.3874.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Bolt	Steel	
2	Name Plate	Aluminum	
3	Cover	Cast Iron	ASTM A126, Class B
4	Cover Gasket	Graphite	
5	Nut	Steel	
6	Side Plug	Brass	ASTM B16
7	Side Plug Gasket	Aramid Fiber/NBR	
8	Hanger Pin	SS 304	ASTM B16
9	Hanger	Ductile Iron	ASTM A536
10	Disc	Cast Iron	ASTM A126, Class B
11	Washer	Steel	
12	Cotter Pin	Zinc Plated Steel	
13	Seat Ring	Bronze	ASTM B62
14	Disc Nut	Steel	ASTM A307
15	Body	Cast Iron	ASTM A126, Class B
16	Stud Bolt	Brass	ASTM B16

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	Cv
Inches mm	2	8.00 203	4.56 116	6.00 152	0.63 16	143
Inches mm	2 1/2	8.50 216	5.38 137	7.00 178	0.69 17	242
Inches mm	3	9.50 241	5.56 141	7.50 191	0.75 19	366
Inches mm	4	11.50 292	6.69 170	9.00 229	0.94 24	572
Inches mm	5	13.00 330	7.75 197	10.00 254	0.94 24	894
Inches mm	6	14.00 356	9.50 241	11.00 279	1.00 25	1287
Inches mm	8	19.50 495	10.38 264	13.50 343	1.13 29	2288
Inches mm	10	24.50 622	12.00 305	16.00 406	1.19 30	3574
Inches mm	12	27.50 699	13.50 343	19.00 483	1.25 32	5147

† Non-Shock



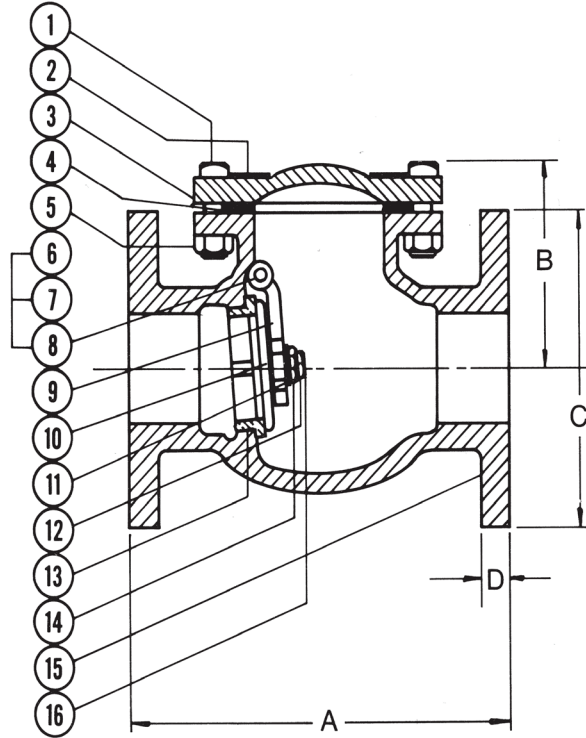
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F-2974M 2"-12"

Iron Check Valve
125 SWP - 200 WOG†
Horizontal Swing • Flanged Ends
Bolted Cover
Conforms to: MSS SP-71

Flange shape and drilling to specification ASME B 16.1 (125 lb).



Note 1: On pump discharge, the preferred check valve is either an in-line spring loaded valve or a swing design with lever and weight. Install these valves as far as possible from the pump and elbows with a minimum distance of 5 times the pipe diameter.

Note 2: These iron body check valves may be installed in horizontal and vertical lines with upward flow or in intermediate position.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Bolt	Steel	
2	Name Plate	Aluminum	
3	Cover	Cast Iron	ASTM A126, Class B
4	Cover Gasket	Graphite	
5	Nut	Steel	
6	Side Plug	Brass	ASTM B16
7	Side Plug Gasket	PTFE	
8	Hanger Pin	SS 304	ASTM B16
9	Hanger	Ductile Iron	ASTM A536
10 ¹	Disc	Cast Iron	ASTM A126, Class B
11	Washer	Steel	
12	Cotter Pin	Zinc Plated Steel	
13	Seat Ring	Bronze	ASTM B62
14	Disc Nut	Steel	ASTM A307
15	Body	Cast Iron	ASTM A126, Class B
16	Stud Bolt	Brass	ASTM B16

¹ Valve Disc-Cast Iron with bronze disc face rings

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	Cv
Inches mm	2	8.00 203	4.56 116	6.00 152	0.63 16	143
Inches mm	2 1/2	8.50 216	5.38 137	7.00 178	0.69 17	242
Inches mm	3	9.50 241	5.56 141	7.50 191	0.75 19	366
Inches mm	4	11.50 292	6.69 170	9.00 229	0.94 24	572
Inches mm	5	13.00 330	7.75 197	10.00 254	0.94 24	894
Inches mm	6	14.00 356	9.50 241	11.00 279	1.00 25	1287
Inches mm	8	19.50 495	10.38 264	13.50 343	1.13 29	2288
Inches mm	10	24.50 622	12.00 305	16.00 406	1.19 30	3574
Inches mm	12	27.50 699	13.50 343	19.00 483	1.25 32	5147

Suffix M - Signifies "MILVACO" Series International Valves.

† Non-Shock



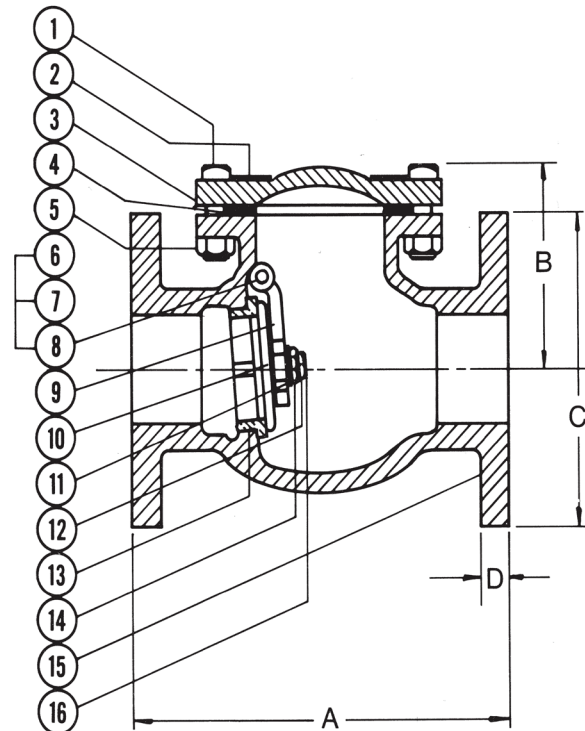
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F-2974M 14"-24"

Iron Check Valve
100 SWP - 150 WOG†
Horizontal Swing • Flanged Ends
Bolted Cover
Conforms to: MSS SP-71

Flange shape and drilling to specification ASME B 16.1 (125 lb).



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Bolt	Steel	
2	Name Plate	Aluminum	
3	Cover	Cast Iron	ASTM A126, Class B
4	Cover Gasket	Graphite	
5	Nut	Steel	
6	Side Plug	Brass	ASTM B16
7	Hanger Pin	SS 304	ASTM B16
8	Hanger	Ductile Iron	ASTM A536
9 [†]	Disc	Cast Iron	ASTM A126, Class B
10	Washer	Steel	
11	Cotter Pin	Zinc Plated Steel	
12	Seat Ring	Bronze	ASTM B62
13	Disc Nut	Steel	ASTM A307
14	Body	Cast Iron	ASTM A126, Class B
15	Stud Bolt	Brass	ASTM B16

[†] Valve Disc-Cast Iron with bronze disc face rings

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	Cv
Inches	14	31.00	15.75	21.00	1.38	7006
mm		787	400	533	35	
Inches	16	36.00	17.25	23.50	1.44	9151
mm		914	438	597	37	
Inches	18	36.00	19.00	25.00	1.56	11581
mm		914	483	635	40	
Inches	20	40.00	21.88	27.50	1.69	14298
mm		1016	556	699	43	
Inches	24	48.00	24.44	32.00	1.88	20588
mm		1219	621	813	48	

Suffix M - Signifies "MILVACO" Series International Valves.

† Non-Shock

Note 1: On pump discharge, the preferred check valve is either an in-line spring loaded valve or a swing design with lever and weight. Install these valves as far as possible from the pump and elbows with a minimum distance of 5 times the pipe diameter.

Note 2: These iron body check valves may be installed in horizontal and vertical lines with upward flow or in intermediate position.

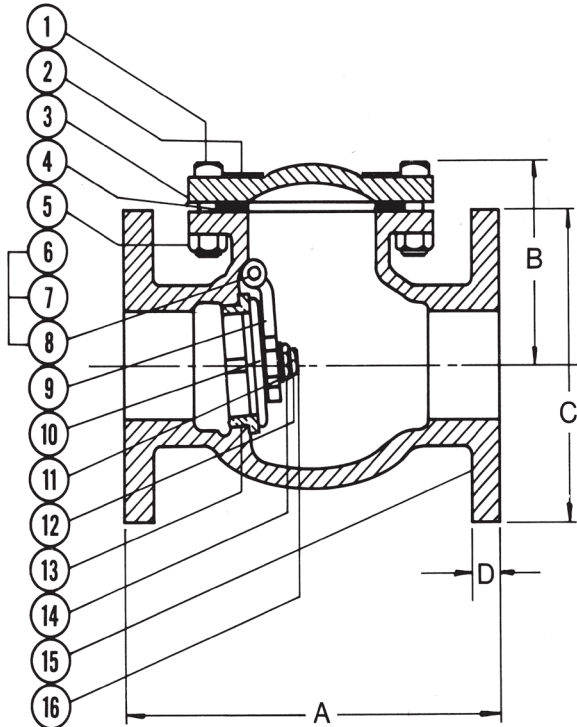
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F-2974-M26 2"-12"

Flange shape and drilling to specification ASME B 16.1 (125 lb).



Note 1: On pump discharge, the preferred check valve is either an in-line spring loaded valve or a swing design with lever and weight. Install these valves as far as possible from the pump and elbows with a minimum distance of 5 times the pipe diameter.

Note 2: These iron body check valves may be installed in horizontal and vertical lines with upward flow or in intermediate position.

Note 3: The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (.25%) of lead by weight. Meets the requirements of Senate law S.3874.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Bolt	Steel	
2	Name Plate	Aluminum	
3	Cover	Cast Iron	ASTM A126, Class B
4	Cover Gasket	Graphite	
5	Nut	Steel	
6	Side Plug	Brass	ASTM B16
7	Side Plug Gasket	PTFE	
8	Hanger Pin	SS 304	ASTM B16
9	Hanger	Ductile Iron	ASTM A536
10	Disc	Cast Iron	ASTM A126, Class B
11	Washer	Steel	
12	Cotter Pin	Zinc Plated Steel	
13	Seat Ring	Bronze	ASTM B62
14	Disc Nut	Steel	ASTM A307
15	Body	Cast Iron	ASTM A126, Class B
16	Stud Bolt	Brass	ASTM B16

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	Cv
Inches	2	8.00	4.56	6.00	0.63	143
mm		203	116	152	16	
Inches	2 1/2	8.50	5.38	7.00	0.69	242
mm		216	137	178	17	
Inches	3	9.50	5.56	7.50	0.75	366
mm		241	141	191	19	
Inches	4	11.50	6.69	9.00	0.94	572
mm		292	170	229	24	
Inches	5	13.00	7.75	10.00	0.94	894
mm		330	197	254	24	
Inches	6	14.00	9.50	11.00	1.00	1287
mm		356	241	279	25	
Inches	8	19.50	10.38	13.50	1.13	2288
mm		495	264	343	29	
Inches	10	24.50	12.00	16.00	1.19	3574
mm		622	305	406	30	
Inches	12	27.50	13.50	19.00	1.25	5147
mm		699	343	483	32	

Suffix M - Signifies "MILVACO" Series International Valves.
† Non-Shock



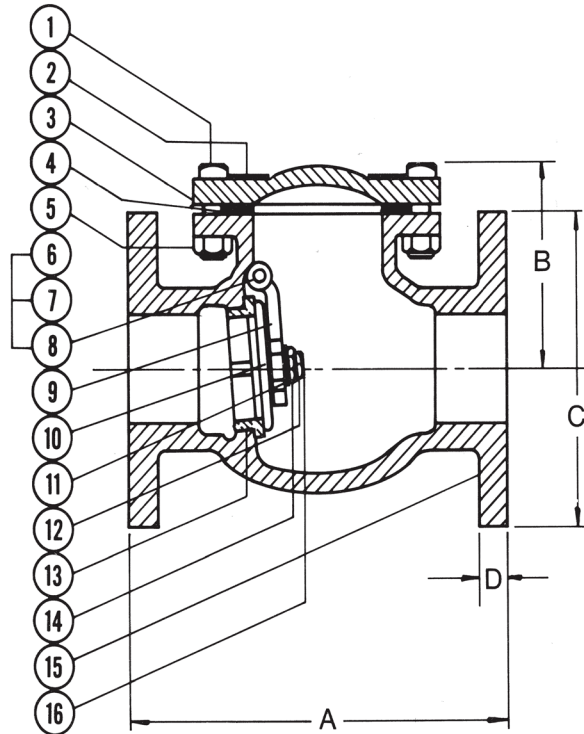
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F-2974M26 14"-24"

Iron Check Valve
100 SWP - 150 WOG†
Horizontal Swing • Flanged Ends
Bolted Cover
Conforms to: MSS SP-71

Flange shape and drilling to specification ASME B 16.1 (125 lb).



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Bolt	Steel	
2	Name Plate	Aluminum	
3	Cover	Cast Iron	ASTM A126, Class B
4	Cover Gasket	Graphite	
5	Nut	Steel	
6	Side Plug	Brass	ASTM B16
7	Hanger Pin	SS 304	ASTM B16
8	Hanger	Ductile Iron	ASTM A536
9	Disc	Cast Iron	ASTM A126, Class B
10	Washer	Steel	
11	Cotter Pin	Zinc Plated Steel	
12	Seat Ring	Bronze	ASTM B62
13	Disc Nut	Steel	ASTM A307
14	Body	Cast Iron	ASTM A126, Class B
15	Stud Bolt	Brass	ASTM B16

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	Cv
Inches mm	14	31.00 787	15.75 400	21.00 533	1.38 35	7006
Inches mm	16	36.00 914	17.25 438	23.50 597	1.44 37	9151
Inches mm	18	36.00 914	19.00 483	25.00 635	1.56 40	11581
Inches mm	20	40.00 1016	21.88 556	27.50 699	1.69 43	14298
Inches mm	24	48.00 1219	24.44 621	32.00 813	1.88 48	20588

Note 1: On pump discharge, the preferred check valve is either an in-line spring loaded valve or a swing design with lever and weight. Install these valves as far as possible from the pump and elbows with a minimum distance of 5 times the pipe diameter.

Note 2: These iron body check valves may be installed in horizontal and vertical lines with upward flow or in intermediate position.

Note 3: The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (.25%) of lead by weight. Meets the requirements of Senate law S.3874.

Suffix M - Signifies "MILVACO" Series International Valves.

† Non-Shock

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2974-FP 3"-8"

Iron Check Valve

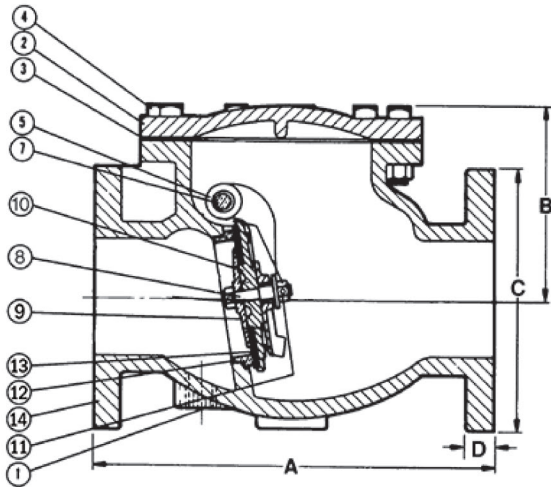
175 WP WOG†

NEW YORK CITY BOARD OF STANDARDS and APPROVAL

Approvals: U.L. Listed, F.M.,
N.Y.C. B.S.A. No. 278-90-SM



Renewable Seat and Disc •
Flanged Ends Bolted Bonnet



Note 1: On pump discharge, the preferred check valve is either an in-line spring loaded valve or a swing design with lever and weight. Install these valves as far as possible from the pump and elbows with a minimum distance of 5 times the pipe diameter.

MATERIAL LIST			
No.	Part	Material	Specification
1	Pipe Plug	Cast Iron or Steel	
2	Cover	Cast Iron	ASTM A126, Class B
3	Cover Gasket	Graphite	
4	Cover Bolt and Nut	Steel	ASTM A307
5	Hinge Plug	Cast Bronze	B 584 Alloy C84400
6	Hinge Pin	Brass	ASTM B16
7	Disc Hanger Nut	Cast Bronze	B 584 Alloy C84400
8	Disc Stud Bolt	Brass	ASTM B16 Alloy C36000
9	Disc Plate	Cast Bronze	B 584 Alloy C84400
10	Disc Hanger	Cast Bronze	B 584 Alloy C84400
11	Disc Nut	Brass	ASTM B16 Alloy C36000
12	Seat Ring	Cast Bronze	B 584 Alloy C84400
13	Disc	Rubber	
14	Body	Cast Iron	ASTM A126, Class B

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	Cv
Inches mm	3	10.25 260	6.63 168	7.50 191	0.75 19	356
Inches mm	4	13.00 330	8.00 203	9.00 229	0.94 24	665
Inches mm	6	16.25 413	10.31 262	11.00 279	1.00 25	1584
Inches mm	8	19.50 495	11.50 292	13.50 343	1.13 29	2937

† Non-Shock

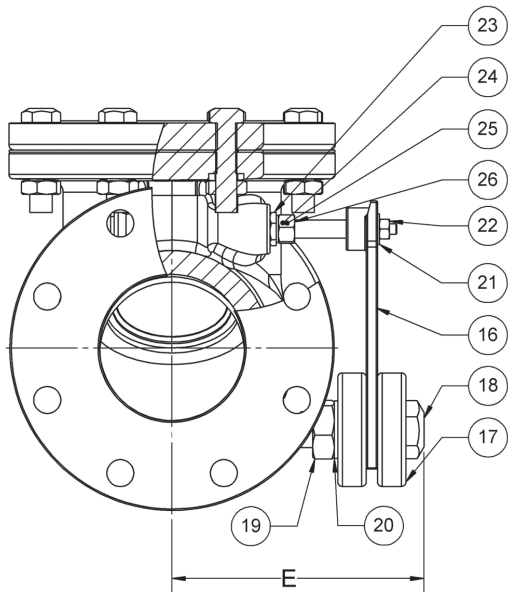
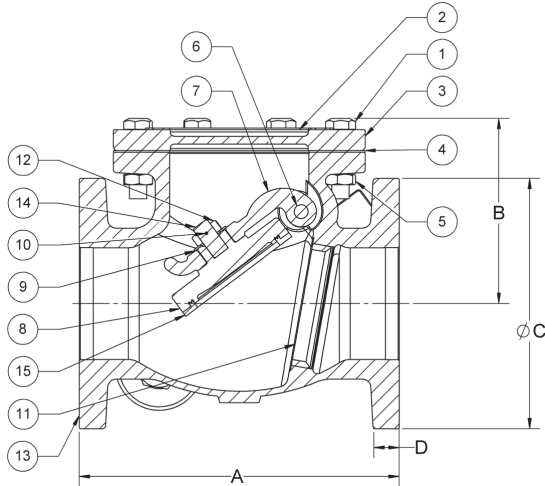
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F-2974-LW 2"-12"

Iron Check Valve With Lever and Weight
125 SWP - 200 WOG †
Horizontal Swing • Flanged Ends
Bolted Cover
Conforms to: MSS SP-71



Note 1: On pump discharge, the preferred check valve is either an in-line spring loaded valve or a swing design with lever and weight. Install these valves as far as possible from the pump and elbows with a minimum distance of 5 times the pipe diameter.

MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Bolt	Steel	
2	ID Plate	Aluminum	
3	Bonnet	Cast Iron	ASTM A126, Class B
4	Body Gasket	Graphite	
5	Nut	Steel	
6	Hanger Pin	Brass	ASTM B16
7	Hanger	Ductile Iron	ASTM A536
8	Disc	Cast Iron	ASTM A126, CLASS B
9	Washer	Steel	
10	Cotter Pin	Carbon Steel Galvanized	
11	Seat Ring	Bronze	ASTM B62
12	Disc Nut	Steel	ASTM A307
13	Body	Cast Iron	ASTM A126, CLASS B
14	Disc Bolt	Brass	ASTM B16
15	Disc Ring	Bronze	ASTM B62
16	Lever Weight	Cast Iron	ASTM B128
17	Weight	Cast Iron	ASTM B128
18	Weight Bolt	Carbon Steel	Commercial
19	Weight Nut	Carbon Steel	Commercial
20	Weight Washer	Carbon Steel	Commercial
21	Lever Washer	Carbon Steel	Commercial
22	Lever Nut	Carbon Steel	Commercial
23	Stuffing Box	Brass	ASTM B16
24	Gland	Brass	ASTM B16
25	Packing	Graphite	COMMERCIAL
26	Packing Nut	Brass	ASTM B16

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches mm	2	8.00 203	3.94 100	6.00 152	0.63 16	8.00 203	143
Inches mm	2 1/2	8.50 216	4.50 114	7.00 178	0.69 18	8.50 216	242
Inches mm	3	9.50 241	5.13 130	7.50 191	0.75 19	9.50 241	366
Inches mm	4	11.50 292	6.13 156	9.00 229	0.94 24	11.50 292	572
Inches mm	5	13.00 330	6.81 173	10.00 254	0.94 24	13.00 330	894
Inches mm	6	14.00 356	8.00 203	11.00 279	1.00 25	14.00 356	1287
Inches mm	8	19.50 495	9.44 240	13.50 343	1.13 29	19.50 495	2288
Inches mm	10	24.50 622	12.06 306	16.00 406	1.19 30	24.50 622	3574
Inches mm	12	27.50 699	16.13 410	19.00 483	1.25 32	27.50 699	5147



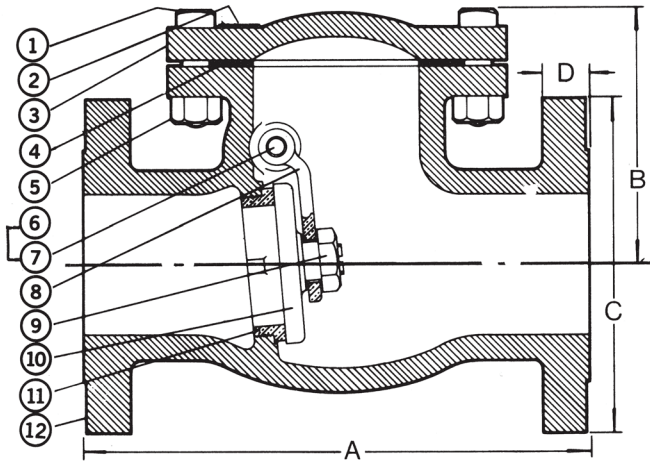
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F-2970-M 2 1/2"-6"

Iron Check Valve
250 SWP - 500 WOG†
Horizontal Swing • Flanged Ends
Bolted Cover
Conforms to: MSS SP-71

Flange shape and drilling to specification ASME B 16.1 (250 lb).



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Bolt	Steel	
2	Name Plate	Aluminum	
3	Cover	Cast Iron	ASTM A126, Class B
4	Cover Gasket	Graphite	
5	Nut	Steel	
6	Side Plug	Brass	ASTM B16
7	Hanger Pin	Brass	ASTM B16
8	Hanger	Cast Bronze	ASTM B62
9	Disc Nut	Cast Bronze	ASTM B62
10	Disc	Cast Bronze	ASTM B62
11	Seat Ring	Cast Bronze	ASTM B62
12	Body	Cast Iron	ASTM A126, Class B

Note 1: On pump discharge, the preferred check valve is an in-line spring loaded swing design with lever and weight. Install these valves as far as possible from the pump and elbows with a minimum distance of 5 times the pipe diameter. See 1400 and 1800 series.

Note 2: These iron body check valves may be installed in both horizontal and vertical lines with upward flow or in any intermediate position.

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	Cv
Inches mm	2 1/2	11.50 292	5.75 146	7.50 190	1.00 25	242
Inches mm	3	12.50 318	6.31 160	8.25 210	1.13 29	366
Inches mm	4	14.00 356	7.56 192	10.00 254	1.25 32	572
Inches mm	6	17.50 445	8.50 216	12.50 318	1.44 37	1287

† Non-Shock

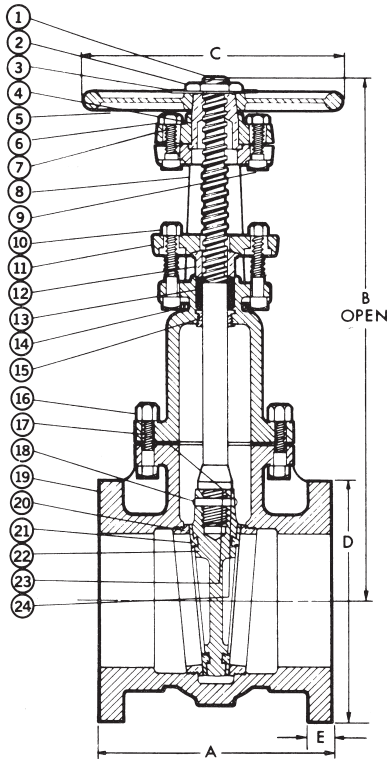
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MILWAUKEE VALVE

F-2885-M13 2"-12"

Iron Gate Valve
125 SWP - 200 WOG †
3% Nickel Iron Body
OS & Y • Solid Wedge Disc
Bolted Bonnet • Flanged Ends
S.S. Trim
Conforms to: MSS SP-70



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Stem		ASTM A182 F316
2	Handwheel Nut	Steel or Ductile Iron	ASTM A395
3	Name Plate	Aluminum	
4	Yoke Bushing	Ductile Iron	ASTM A395
5	Handwheel	Cast Iron	ASTM A126, Class B
6	Bonnet Cap Nut	Steel	
7	Bonnet Cap	Ductile Iron	ASTM A395
8 ¹	Bonnet	3% Nickel Iron	ASTM A126, Class B
9	Bonnet Cap Bolt	Steel	
10	Gland Follower Nut	Steel	
11	Gland Follower	Ductile Iron	ASTM A395
12	Packing Gland		ASTM B276-316
13	Packing	Graphite	
14	Gland Follower Bolt	Steel	
15	Backseat Bushing		ASTM B 276-316
16	Body Nut	Steel	
17	Body Bolt	Steel	
18	Wedge Pin		ASTM B276-316
19	Body	3% Nickel Iron	ASTM A126, Class B
20	Seat Ring		ASTM A351 CF8M
21	Wedge Face Ring		ASTM A351 CF8M
22	Wedge	3% Nickel Iron	ASTM A126, Class B
23	Body Gasket	Graphite Non-Asb. Fibers	
24	Stem Collar		ASTM B276-316
25	Grease Fitting (not shown)	Steel	

¹ Sizes through 8" made with yoke integral with bonnet. 10" and 12" sizes made with separate yoke bolted to bonnet.
 Suffix M – Signifies "MILVACO" International Series Valves.

Note 1: The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (.25%) of lead by weight. Meets the requirements of Senate law S.3874.

DIMENSIONS - INCHES/MILLIMETERS							
Units	Size	A	B	C	D	E	C _v
Inches	2	7.00	15.00	7.00	6.00	0.63	215
mm		178	381	178	152	16	
Inches	2 1/2	7.50	16.88	7.00	7.00	0.69	335
mm		191	429	178	178	17	
Inches	3	8.00	18.75	8.00	7.50	0.75	510
mm		203	476	203	191	19	
Inches	4	9.00	22.75	10.00	9.00	0.94	945
mm		229	578	254	229	24	
Inches	5	10.00	27.13	12.00	10.00	0.94	1525
mm		254	689	305	254	24	
Inches	6	10.50	30.13	12.00	11.00	1.00	2250
mm		267	765	305	279	25	
Inches	8	11.50	40.13	14.00	13.50	1.13	4150
mm		292	1019	356	343	29	
Inches	10	13.00	48.25	16.00	16.00	1.81	6700
mm		330	1226	406	406	46	
Inches	12	14.00	56.88	18.00	19.00	1.25	9925
mm		356	1445	457	483	32	

Also available in 14", 16", 18", 20", 24" on special order.
 150 psi non-shock cold water, oil or gas.



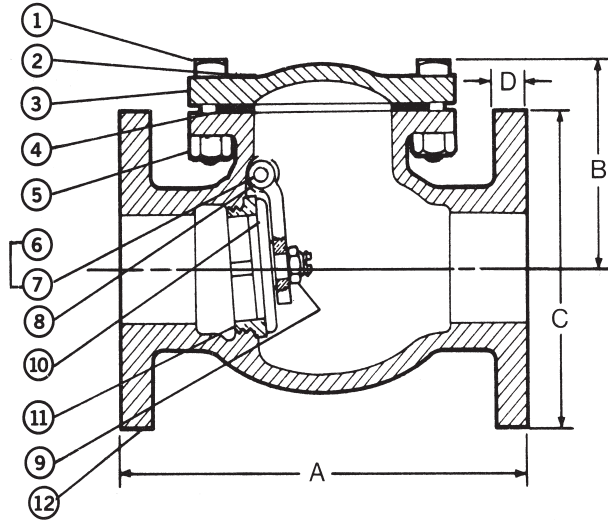
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F-2974-M13 2"-12"

Iron Check Valve
125 SWP - 200 WOG †
3% Nickel Iron Body
Bolted Bonnet • Flanged Ends
S.S. Trim
Conforms to: MSS SP-71

This check valve may be installed in both horizontal and vertical lines with upward flow or in any intermediate position.



MATERIAL LIST			
No.	PART	MATERIAL	SPECIFICATION
1	Bolt	Steel	ASTM A307 Gr. B
2	Name Plate	Aluminum	
3	Cover	3% Nickel Iron	ASTM A126, Class B
4	Cover Gasket	Graphite	
5	Nut	Steel	
6	Side Plug		ASTM A276-316
7	Hanger Pin		ASTM A276-316
8	Hanger		ASTM A351-CF8M
9	Disc Nut		ASTM A194-8M
10	Disc		ASTM A351-CF8M
11	Seat Ring		ASTM A351-CF8M
12	Body	3% Nickel Iron	ASTM A126, Class B

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	C _v
Inches	2	8.00	3.94	6.00	0.63	143
mm		203	100	152	16	
Inches	2 1/2	8.50	4.50	7.00	0.69	242
mm		216	114	178	17	
Inches	3	9.50	5.13	7.50	0.75	366
mm		241	130	191	19	
Inches	4	11.50	6.13	9.00	0.94	572
mm		292	156	229	24	
Inches	5	13.00	6.81	10.00	0.94	894
mm		330	173	254	24	
Inches	6	14.00	8.00	11.00	1.00	1287
mm		356	203	279	25	
Inches	8	19.50	9.44	13.50	1.13	2288
mm		495	240	343	29	
Inches	10	24.50	12.06	16.00	1.19	3574
mm		622	306	406	30	
Inches	12	27.50	16.13	19.00	1.25	5147
mm		699	410	483	32	

Note 1: The check valve may be installed in both horizontal and vertical lines with upward flow or in any intermediate position.

Note 2: On pump discharge, the preferred check valve is an in-line spring loaded, swing design with lever and weight. Install these valves as far as possible from the pump and elbows and at a minimum length of 5 times the pipe diameter. See 1400 and 1800 series.

Note 3: The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (.25%) of lead by weight. Meets the requirements of Senate law S.3874.

Suffix M – Signifies “MILVACO” Series International Valves.



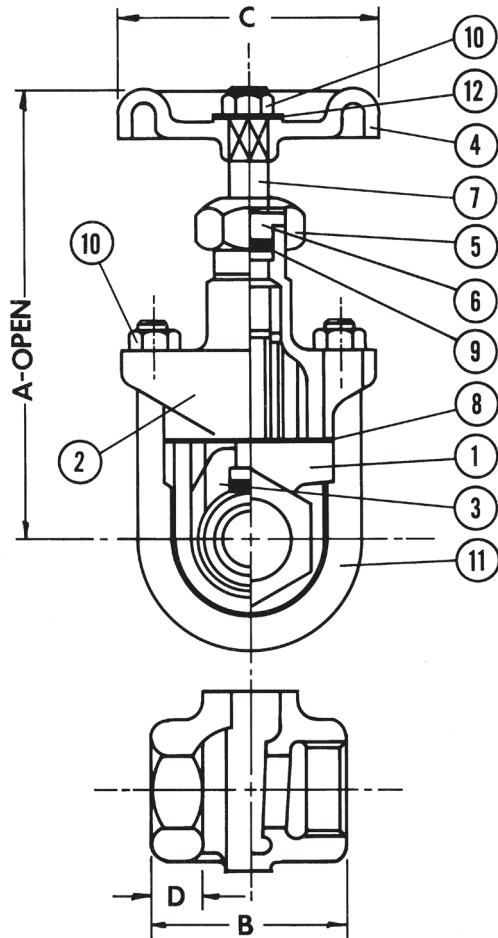
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MILWAUKEE VALVE

2887-M 1/4"-4"

2888-M 1/4"-4"

Iron Clip Gate Valve
2887-M Bronze Trim • 2888-M All Iron
11/4" - 2" 150 SWP -225 WoG t
2 1/2" - 4" 125 SWP -175 WoG t
Inside Rising Stem • Solid Wedge Disc
Threaded Ends



MATERIAL LIST			
No.	DESCRIPTION	MATERIAL	
		2887-M	2888-M
1	Body	Ductile Iron - A536	Ductile Iron - A536
2	Bonnet	Ductile Iron - A536	Ductile Iron - A536
3	Disc	Cast Bronze - B62	Ductile Iron - A536
4	Handwheel	Cast Iron - A126-B	Cast Iron - A126-B
5	Packing Nut	Ductile Iron - A536	Ductile Iron - A536
6	Gland	Brass - B16	410 SS
7	Stem	Brass - B16	410 SS
8	Gasket	Commercial	Commercial
9	Packing	Commercial	Commercial
10	Nut	Steel - A307-B	Steel - A307-B
11	U-Bolt	Steel - A307-B	Steel - A307-B
12	Name Plate	Aluminum	Aluminum

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	A	B	C	D	Cv
Inches mm	1/4 - 1/2	5.00 127	2.09 53.1	2.13 54.0	0.47 12	5
Inches mm	3/4	6.22 158	2.52 64.0	2.44 62.0	0.51 13	32
Inches mm	1	7.50 191	2.64 67.0	2.95 75.0	0.63 16	54
Inches mm	1 1/4	9.00 229	2.91 73.9	2.95 75.0	0.70 18	97
Inches mm	1 1/2	9.14 232	3.15 80.0	3.75 95.0	0.75 19	135
Inches mm	2	11.58 294	3.90 99.1	3.98 101.0	0.90 23	230
Inches mm	2 1/2	12.88 327	4.60 116.8	4.75 121.0	0.47 18	337
Inches mm	3	14.70 375	4.92 124.9	6.00 152.0	0.47 19	536
Inches mm	4	19.30 490	5.94 150.9	9.00 229.0	0.47 20	960

INNOVATION IN EVERY VALVE

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MILWAUKEE VALVE

1400 2"-10"

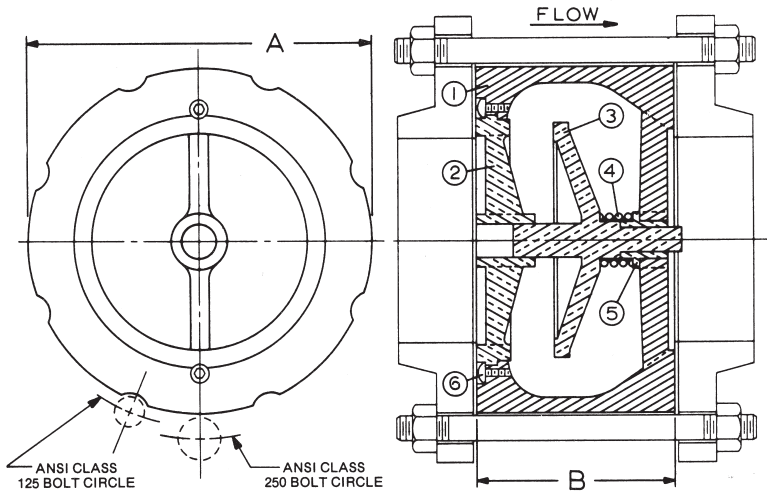
Iron Wafer Style Silent Check Valve

200 psi (125#), 400 psi (250#)*

Stainless Steel Trim

Conforms to: MSS SP-125

Third Party Certified NSF/ANSI 372-2016



MATERIAL LIST		
No.	PART	MATERIAL
1	Body	Cast Iron, ASTM A126
2	Seat	St. Steel, TYPE 304
3	Disc	St. Steel, TYPE 304
4	Spring	St. Steel, TYPE 304
5	Bushing	St. Steel, TYPE 304
6	Screw	St. Steel, TYPE 304

Note 1: The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (.25%) of lead by weight.

Note 2: Valve is designed for liquid service only. Install minimum 4 to 5 pipe diameters downstream from pump discharge or elbows to avoid flow turbulence. Valve is designed to be mated to standard steel flanges.

DIMENSIONS - INCHES/MILLIMETERS				
Units	Size	A	B	C _v
Inches mm	2	4.25 108	2.63 67	66
Inches mm	2 1/2	5.00 127	2.88 73	88
Inches mm	3	5.75 146	3.13 79	130
Inches mm	4	7.00 178	4.00 102	228
Inches mm	5	8.38 213	4.75 121	350
Inches mm	6	9.75 248	5.50 140	520
Inches mm	8	13.38 340	6.50 165	900
Inches mm	10	16.00 406	8.25 210	1450

* Sizes 2" thru 6" have dual class ratings (Class 125 and 250). Sizes 8" and 10" have separate model numbers for Class 125 or Class 250 flanges.

INNOVATION IN EVERY VALVE



MILWAUKEE VALVE

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1800 2 1/2" - 42"

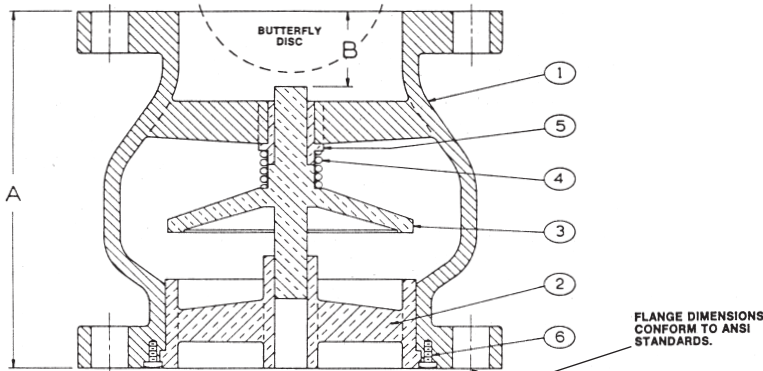
Iron Globe Style Silent Check Valve

200 psi (125#), 400 psi (250#)†

Stainless Steel Trim

Conforms to: MSS SP-125

Third Party Certified NSF/ANSI 372-2016



MATERIAL LIST		
No.	PART	MATERIAL
1	Body	Cast Iron, ASTM A126
2	Seat	St. Steel, TYPE 304
3	Disc	St. Steel, TYPE 304
4	Spring	St. Steel, TYPE 304
5	Bushing	St. Steel, TYPE 304
6	Screw	St. Steel, TYPE 304

Note 1: Valve sizes 2 1/2" through 10" will mate up to wafer style butterfly valve without the use of spool pieces or other adaptors. (See "B" dimension for allowable clearance).

Note 2: The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (.25%) of lead by weight.

Note 3: Valve is designed for liquid service only. Install minimum 4 to 5 pipe diameters downstream from pump discharge or elbows to avoid flow turbulence. Valve is designed to be mated to flat faced steel flanges.

1800 Series (125#)					1850/1860 Series (250#)			
Units	Size	A	B	C _v	Units	Size	A	B
Inches	2 1/2	5.50	1.19	110	Inches	2 1/2	5.50	1.44
mm		140	30		mm		140	37
Inches	3	6.00	1.38	155	Inches	3	6.00	1.38
mm		152	35		mm		152	35
Inches	4	7.25	1.75	278	Inches	4	7.25	1.75
mm		184	44		mm		184	44
Inches	5	8.50	2.00	435	Inches	5	8.50	2.00
mm		216	51		mm		216	51
Inches	6	9.75	2.50	625	Inches	6	9.75	2.50
mm		248	64		mm		248	64
Inches	8	12.50	3.25	1115	Inches	8	12.50	3.25
mm		318	83		mm		318	83
Inches	10	15.50	4.25	1770	Inches	10	15.50	4.25
mm		394	108		mm		394	108
Inches	12	14.25	N/A	2500	Inches	12	14.25	N/A
mm		362	N/A		mm		362	N/A
Inches	14	15.75	N/A	3400	Inches	14	15.75	N/A
mm		400	N/A		mm		400	N/A
Inches	16	17.63	N/A	4400	Inches	16	17.63	N/A
mm		448	N/A		mm		448	N/A
Inches	18	18.75	N/A	5600	Inches	18	18.75	N/A
mm		476	N/A		mm		476	N/A
Inches	20	20.63	N/A	6900	Inches	20	20.63	N/A
mm		524	N/A		mm		524	N/A
Inches	24	24.00	N/A	10000	Inches	24	24.00	N/A
mm		610	N/A		mm		610	N/A
Inches	30	29.25	N/A	15400	Inches	30	29.25	N/A
mm		743	N/A		mm		743	N/A
Inches	36	45.00	N/A	22400	Inches	36	45.00	N/A
mm		1143	N/A		mm		1143	N/A
Inches	42	50.00	N/A	30400	Inches	42	50.00	N/A
mm		1270	N/A		mm		1270	N/A

†	Max Non-Shock Working PSI 125# ANSI B16.1 Flange Rating		
	Temperature		
	150° F	200° F	
Size	200 PSI	190 PSI	
2 1/2" - 12"			
14" - 42"	150 PSI	135 PSI	

†	Max Non-Shock Working PSI 250# ANSI B16.1 Flange Rating		
	Temperature		
	150° F	200° F	
Size	400 PSI	370 PSI	
2 1/2" - 12"			
14" - 42"	300 PSI	280 PSI	

INNOVATION IN EVERY VALVE

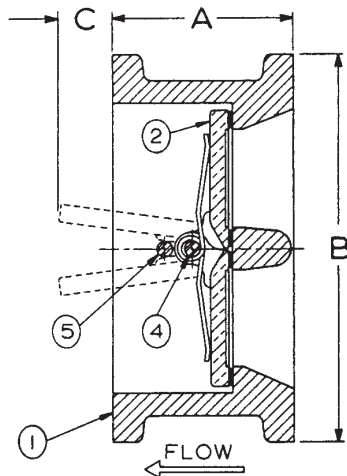
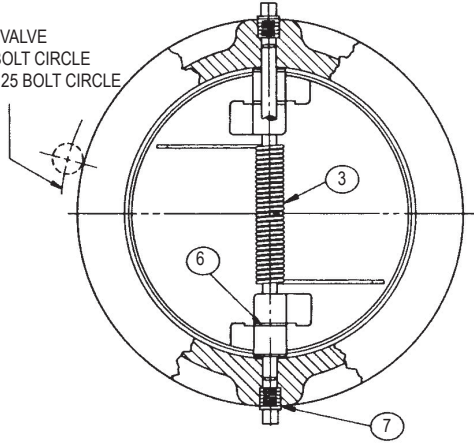
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MILWAUKEE VALVE

8800 2"-20"

Iron Wafer Style Non-Slam Check Valve 200 psi (2"-12"), 150 psi (14"-20") Stainless Steel Trim • Double Disc Third Party Certified NSF/ANSI 372-2016

CENTER THE VALVE
WITHIN THE BOLT CIRCLE
ANSI CLASS 125 BOLT CIRCLE



Max Non-Shock Working PSI 125# ANSI B16 Flange Rating		
Size	Temperature	
	150° F	200° F
2" - 12"	200 PSI	190 PSI
14" - 20"	150 PSI	135 PSI

MATERIAL LIST		
No.	PART	MATERIAL
1	Body	Cast Iron w/EPDM Seat, ASTM A126
2	Disc	Stainless Steel, TYPE 304
3	Spring	Stainless Steel, TYPE 304
4	Lever	Stainless Steel, TYPE 304
5	Pin	Stainless Steel, TYPE 304
6	Plug	Stainless Steel, TYPE 304
7	Retaining Ring	Stainless Steel, TYPE 304

DIMENSIONS - INCHES/MILLIMETERS						
Units	Size	Model No.	A	B	C	C _v
Inches mm	2	8802	1.75 45	4.00 102	0.25 6	48
Inches mm	2 1/2	8825	1.86 47	4.75 121	0.63 16	99
Inches mm	3	8803	2.50 64	5.25 133	0.50 13	171
Inches mm	4	8804	2.50 64	6.75 172	1.13 29	290
Inches mm	5	8805	2.75 70	7.63 194	1.38 35	489
Inches mm	6	8806	3.00 76	8.63 219	1.63 41	695
Inches mm	8	8808	3.50 89	10.86 276	2.88 73	1789
Inches mm	10	8810	4.50 114	13.25 337	3.00 76	2557
Inches mm	12	8812	4.50 114	16.00 406	4.63 118	4287
Inches mm	14	8814	5.00 127	17.63 448	5.00 127	5456
Inches mm	16	8816	5.50 140	20.00 508	5.75 146	7342
Inches mm	18	8818	6.00 152	21.5 546	6.38 162	9532
Inches mm	20	8820	6.00 152	23.75 603	7.13 181	12000

Note 1: The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (.25%) of lead by weight.

Note 2: Valve is designed for liquid service only. Install minimum 4 to 5 pipe diameters downstream from pump discharge or elbows to avoid flow turbulence. Valve is designed to be mated to standard steel flanges.

Note 3: For vertical pipe, install with flow up. For horizontal pipe, install with hinge pin in vertical position.

INNOVATION IN EVERY VALVE

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MILWAUKEE VALVE