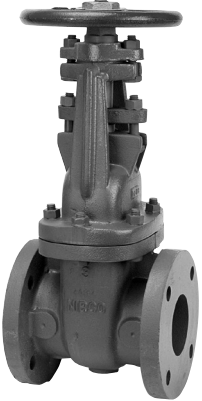



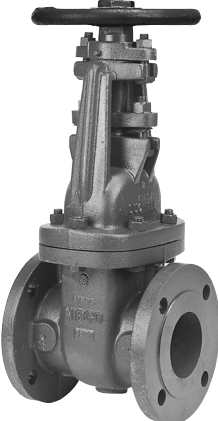
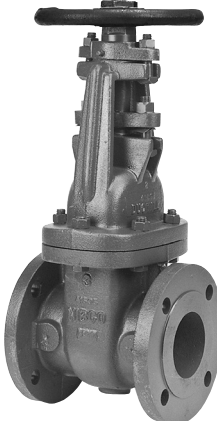
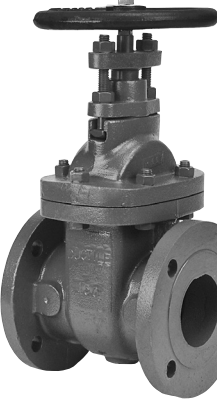
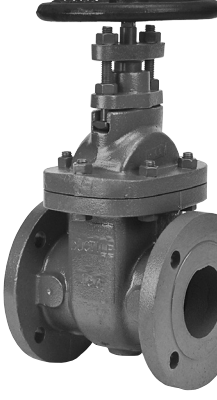


Ductile and Alloy Iron Gate Valves

Illustrated Index

<p>3% Nickel Iron Body Gate Valve Outside Screw and Yoke Stainless Steel Trim Class 125 SWP 200 lb. CWP</p>  <p>F-617-13 Solid Wedge Sizes 2" thru 12" Flanged Ends Page 75</p>	<p>3% Nickel Iron Body Gate Valve Outside Screw and Yoke Stainless Steel Trim Class 125 SWP 150 lb. CWP</p>  <p>F-617-13 Solid Wedge Sizes 14" thru 24" Flanged Ends Page 76</p>	<p>Ductile Iron Body Gate Valve Outside Screw and Yoke Bronze Trim Class 150 SWP 285 lb. CWP</p>  <p>F-637-31 Solid Wedge Sizes 2" thru 12" Flanged-Raised Face Page 77</p>	<p>Ductile Iron Body Gate Valve Outside Screw and Yoke Bronze Trim Class 150 SWP 285 lb. CWP</p>  <p>F-637-31 Solid Wedge Sizes 14" thru 24" Flanged-Raised Face Page 78</p>
<p>Ductile Iron Body Gate Valve Outside Screw and Yoke 316SS Stainless Steel Trim Class 150 SWP 285 lb. CWP</p>  <p>F-637-33 Solid Wedge Sizes 2" thru 12" Flanged-Raised Face Page 79</p>	<p>Ductile Iron Body Gate Valve Outside Screw and Yoke 316SS Stainless Steel Trim Class 150 SWP 285 lb. CWP</p>  <p>F-637-33 Solid Wedge Sizes 14" thru 24" Flanged-Raised Face Page 80</p>	<p>Ductile Iron Body Gate Valve Inside Screw Bronze Trim Class 150 SWP 285 lb. CWP</p>  <p>F-639-31 Non-Rising Stem • Solid Wedge Sizes 2" thru 16" Flanged-Raised Face Page 81</p>	<p>Ductile Iron Body Gate Valve Inside Screw 316SS Stainless Steel Trim Class 150 SWP 285 lb. CWP</p>  <p>F-639-33 Non-Rising Stem • Solid Wedge Sizes 2" thru 16" Flanged-Raised Face Page 82</p>

Visit www.nibco.com for current Chem-Guide and galvanic potential in piping systems information.

Class 125 3% Nickel Iron Body Gate Valves

Bolted Bonnet • Outside Screw and Yoke • Solid Wedge • Stainless Steel Trim

200 PSI/13.8 bar non-shock cold working pressure to -20°F to 150°F/-29°C to 66°C*

Maximum working temperature 450°F/232°C at 125 PSI/8.6 bar

125 PSI/8.6 bar saturated steam to 353°F/178°C

CONFORMS TO MSS SP-70

MATERIAL LIST

PART	SPECIFICATION
1. Stem	ASTM A 276 S31600SS
2. Handwheel Nut	Ductile Iron ASTM A536
3. Identification Plate	Aluminum
4. Yoke Bushing	Ductile Iron ASTM A536
5. Handwheel	Cast Iron ASTM A126 Class B
6. Bonnet Cap Nut	Steel ASTM A563
7. Bonnet Cap	Ductile Iron ASTM A536
8. ¹ Bonnet	ASTM A126 3% Nickel Iron Class B
9. Bonnet Cap Bolt	Steel ASTM A307/SAE J429
10. Gland Follower Nut	Steel ASTM A563
11. Gland Follower	Ductile Iron ASTM A536
12. Packing Gland	ASTM A276 S31600SS
13. Packing	PTFE Braided Synthetic Fiber
14. Gland Follower Bolt	Steel ASTM A307/SAE J429
15. Backseat Bushing	ASTM A276 S31600SS
16. Body Nut	Steel ASTM A563
17. Body Bolt	Steel ASTM A307/SAE J429
18. Wedge Pin	ASTM A276 S31600SS
19. Body	ASTM A126 3% Nickel Iron Class B
20. Seat Ring	ASTM A351 CF8M Stainless
21. Wedge Face Ring	ASTM A351 CF8M Stainless
22. ² Wedge	ASTM A126 3% Nickel Iron Class B
23. Body Gasket	Synthetic Fibers
24. Stem Collar	ASTM A276 S31600SS
25. Grease Fitting	Alemite 1743B (not shown)

¹Sizes thru 8" made with Yoke Integral with Bonnet. 10" and 12" sizes made with separate Yoke Bolted to Bonnet.

²Sizes 2" thru 3" have Solid ASTM A 351 CF8M Wedges. Sizes 4" thru 12" made with ASTM A126 3% Ni-Iron Wedge with ASTM A351 CF8M Wedge Face Rings.

DIMENSIONS—WEIGHTS—QUANTITIES

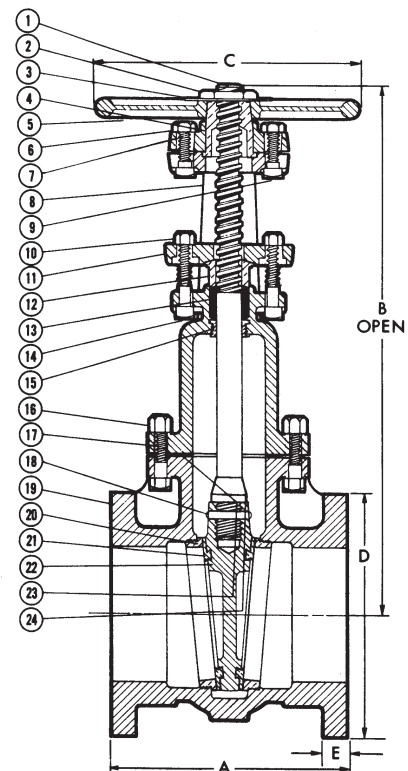
Size	Dimensions										Weight		
	A		B		C		D		E		Lbs.	Kg.	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.		
2	50	7.00	178	16.31	414	8.00	203	6.00	152	.63	16	41	19
2½	65	7.50	191	17.19	437	8.00	203	7.00	178	.69	17	54	25
3	80	8.00	203	19.50	495	8.00	203	7.50	191	.75	19	66	30
4	100	9.00	229	24.00	610	10.00	254	9.00	229	.94	24	109	49
6	150	10.50	267	31.06	789	12.00	305	11.00	279	1.00	25	179	81
8	200	11.50	292	40.19	1021	14.00	356	13.50	343	1.13	29	309	140
10	250	13.00	330	48.25	1226	16.00	406	16.00	406	1.19	30	481	218
12	300	14.00	356	56.88	1445	18.00	457	19.00	483	1.25	32	706	320

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

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



F-617-13
Flanged



F-617-13
Flg x Flg

Visit www.nibco.com for current Chem-Guide and galvanic potential in piping systems information.

Class 125 3% Nickel Iron Body Gate Valves

Bolted Bonnet • Outside Screw and Yoke • Solid Wedge • Stainless Steel Trim

150 PSI/10.3 bar non-shock cold working pressure from -20°F to 150°F/-29°C to 66°C*

Maximum working temperature 350°F/177°C at 100 PSI/6.9 bar

***100 PSI/6.9 bar saturated steam to 338°F/170°C**

****50 PSI/3.4 bar saturated steam to 297°F/147°C**

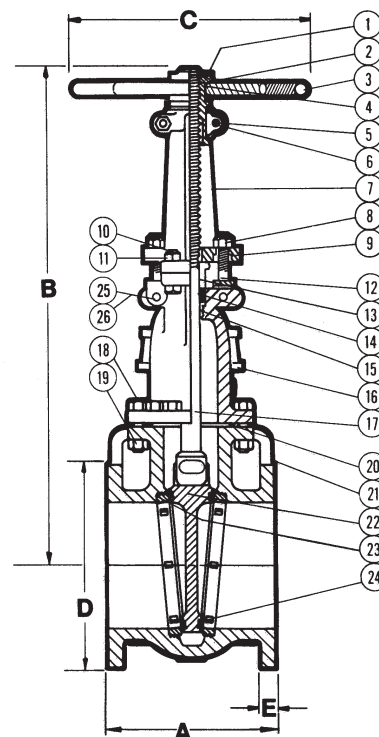
CONFORMS TO MSS SP-70

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	Ductile Iron ASTM A536
2. Identification Tag	Aluminum
3. Handwheel	Fabricated Steel
4. Yoke Bushing	Ductile Iron ASTM A536
5. Split Yoke Bolt	Steel ASTM A307/SAE J429
6. Split Yoke Bolt Nut	Steel ASTM A563
7. Yoke	ASTM A126 3% Nickel Iron Class B
8. Gland Follower Nut	Steel ASTM A307/SAE J429
9. Gland Follower	Ductile Iron ASTM A536
10. Yoke Bolt	Steel ASTM A307/SAE J429
11. Yoke Bolt Nut	Steel ASTM A563
12. Gland Follower Bolt	Steel ASTM A307/SAE J429
13. Packing Gland	ASTM A276 S31600SS
14. Packing	PTFE Braided
15. Backseat Bushing	ASTM A351 CF8M
16. Bonnet	ASTM A126 3% Nickel Iron Class B
17. Stem	ASTM A276 S31600SS
18. Bonnet Bolt	Steel ASTM A307/SAE J429
19. Bonnet Bolt Nut	Steel ASTM A563
20. Bonnet Gasket	Synthetic Fibers
21. Body	ASTM A126 3% Nickel Iron Class B
22. Wedge	ASTM A126 3% Nickel Iron Class B
23. Seat Ring	ASTM A351 CF8M
24. Wedge Ring	ASTM A351 CF8M
25. Swing Nut	Steel ASTM A563
26. Swing Bolt	Steel ASTM A307/SAE J429
27. Grease Fitting	Alemite 1743B (not shown)
28. Stem Collar	ASTM A276 S31600SS (not shown)
29. Wedge Pin	ASTM A276 S31600SS (not shown)
30. Wedge Nut	Ductile Iron ASTM A536 (not shown)



F-617-13
Flanged



F-617-13
Flg x Flg

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										Weight	
	A		B		C		D		E		Lbs.	Kg.
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	Lbs.	Kg.	
14 350	15.00 381	65.50 1664	24.00 610	21.00 533	1.38 35	890 404						
16 400	16.00 406	74.50 1892	24.00 610	23.50 597	1.44 37	1252 568						
18 450	17.00 432	82.50 2096	24.00 610	25.00 635	1.56 40	1596 725						
20 500	18.00 457	91.00 2311	30.00 762	27.50 699	1.69 43	2023 918						
24 600	20.00 508	107.50 2731	30.00 762	32.00 813	1.88 48	2907 1320						

*18", 20" and 24"

** 14" and 16"

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

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

Visit www.nibco.com for current Chem-Guide and galvanic potential in piping systems information.

Class 150 Ductile Iron Body Gate Valves

Raised Face Flanges • Bolted Bonnet • Outside Screw and Yoke • Solid Wedge • Bronze Trim

285 PSI/19.7 bar non-shock cold working pressure to -20°F to 100°F/-29°C to 38°C[†]

Maximum working temperature 650°F/343°C at 125 PSI/8.6 bar

150 PSI/10.3 bar saturated steam to 366°F/186°C

CONFORMS TO MSS SP-128

MATERIAL LIST

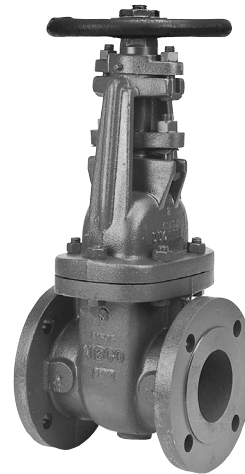
PART	SPECIFICATION
1. Stem	Brass ASTM B 371
2. Handwheel Nut	Brass ASTM B584
3. Identification Plate	Aluminum
4. Yoke Bushing	Brass ASTM B584 C84400
5. Handwheel	Iron ASTM A126 Class B
6. Bonnet Cap Nut	Steel ASTM A563
7. Bonnet Cap	Ductile Iron ASTM A536
8. ¹ Bonnet	Ductile Iron ASTM A395
9. Bonnet Cap Bolt	Steel ASTM A307/SAE J429
10. Gland Follower Nut	Steel ASTM A563
11. Gland Follower	Ductile Iron ASTM A536
12. Packing Gland	Zinc Plated Powdered Iron ASTM B783 or Brass ASTM B16 Alloy C3600
13. Packing	PTFE Braided Synthetic Fiber
14. Gland Follower Bolt	Steel ASTM A307/SAE J429
15. Backseat Bushing	Brass ASTM B584 C84400
16. Body Nut	Steel ASTM A563
17. Body Bolt	Steel ASTM A307/SAE J429
18. Wedge Pin	Brass ASTM B 371 C69430/C69400
19. Body	Ductile Iron ASTM A395
20. ³ Seat Ring	Bronze ASTM B584 C84400
21. Wedge Face Ring	Brass ASTM B584 C84400
22. ² Wedge	Ductile Iron ASTM A395
23. Body Gasket	Synthetic Fibers
24. Stem Collar	Brass ASTM B 371 C69430/C69400
25. Grease Fitting	Alemite 1743B (not shown)

¹ Sizes thru 8" made with Yoke Integral with Bonnet. 10" and 12" sizes made with separate Yoke Bolted to Bonnet.

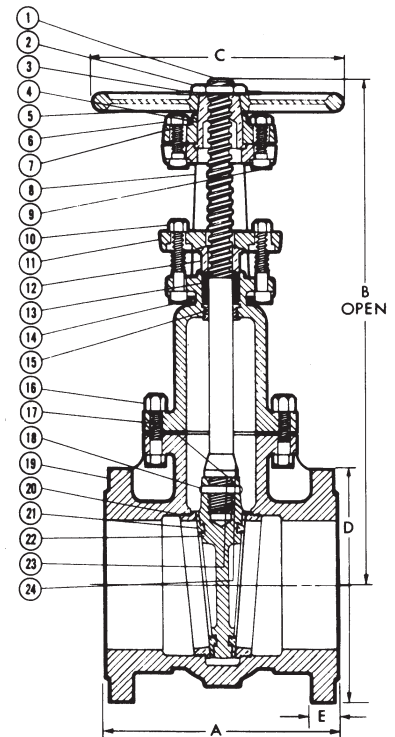
² Sizes 2" thru 6" are all Bronze (31 Trim).

Sizes 8" thru 12" Ductile Iron Wedge with Bronze Wedge Face Rings (31 Trim).

³ Lugs may be removed at customer's request – POA.



F-637-31
Flanged-Raised Face



F-637-31
Flg x Flg

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										Weight		
	A		B		C		D		E		Lbs.	Kg.	
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.				
2	50	7.00	178	16.31	414	8.00	203	6.00	152	.63	16	41	19
2½	65	7.50	191	17.19	437	8.00	203	7.00	178	.69	17	55	25
3	80	8.00	203	19.50	495	8.00	203	7.50	191	.75	19	67	30
4	100	9.00	229	24.00	610	10.00	254	9.00	229	.94	24	107	48
5	125	10.00	254	27.13	689	10.00	254	10.00	254	.94	24	145	66
6	150	10.50	267	31.06	789	12.00	305	11.00	279	1.00	25	178	81
8	200	11.50	292	40.19	1021	14.00	356	13.50	343	1.13	29	309	140
10	250	13.00	330	48.25	1226	16.00	406	16.00	406	1.19	30	481	218
12	300	14.00	356	56.88	1445	18.00	457	19.00	483	1.25	32	706	320

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

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

Visit www.nibco.com for current Chem-Guide and galvanic potential in piping systems information.

Class 150 Ductile Iron Body Gate Valves

Raised Face Flanges • Bolted Bonnet • Outside Screw and Yoke • Solid Wedge • Bronze Trim

285 PSI/19.7 bar non-shock cold working pressure to -20°F to 100°F/-29°C to 38°C*

Maximum working temperature 650°F/343°C at 125 PSI/8.6 bar

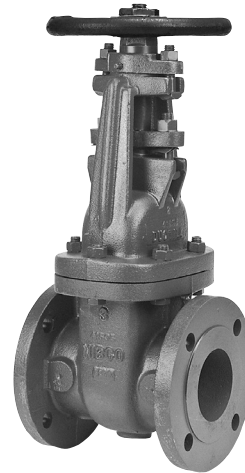
150 PSI/10.3 bar saturated steam to 366°F/186°C

CONFORMS TO MSS SP-128

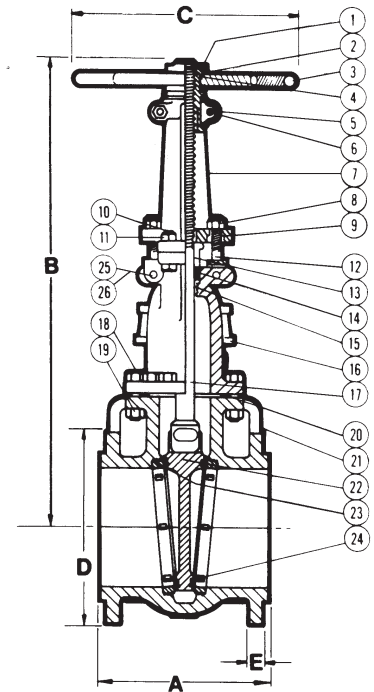
MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	Brass ASTM B584 C84400
2. Identification Plate	Aluminum
3. Handwheel	Fabricated Steel
4. Yoke Bushing	Brass ASTM B584 C84400
5. Split Yoke Bolt	Steel ASTM A307/SAE J429
6. Split Yoke Bolt Nut	Steel ASTM A563
7. Yoke	Ductile Iron ASTM A536
8. Eye Bolt Nut	Brass ASTM F467
9. Gland Follower	Ductile Iron ASTM A536
10. Yoke Bolt	Steel ASTM A307/SAE J429
11. Yoke Bolt Nut	Steel ASTM A563
12. Gland Follower Eye Bolt	Steel ASTM A307/SAE J429
13. Packing Gland	Brass ASTM B584 C84400
14. Packing	PTFE Braided
15. Backseat Bushing	Brass ASTM B371
16. Bonnet	Ductile Iron ASTM A395
17. Stem	Brass ASTM B371
18. Bonnet Bolt	Steel ASTM A307/SAE J429
19. Bonnet Bolt Nut	Steel ASTM A563
20. Bonnet Gasket	Synthetic Fibers
21. Body	Ductile Iron ASTM A395
22. Wedge	Ductile Iron ASTM A395
23. 1 Seat Ring	Brass ASTM B584 C84400
24. Wedge Ring	Brass ASTM B584 C84400
25. Swing Nut	Steel ASTM A563
26. Swing Bolt	Steel ASTM A307/SAE J429
27. Grease Fitting	Alemite 1743B (not shown)
28. Stem Collar	Brass ASTM B371 (not shown) C69430/C69400
29. Wedge Pin	Brass ASTM B371 (not shown) C69430/C69400
30. Wedge Nut	Brass ASTM B584 (not shown) C69430/C69400

¹Lugs may be removed at customer's request – POA.



F-637-31
Flanged-Raised Face



F-637-31
Flg x Flg

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										Turns to Open	Weight		
	A		B		C		D		E			Lbs.	Kg.	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.			
14	350	15.00	381	65.50	1664	24.00	610	21.00	533	1.38	35	29.38	892	405
16	400	16.00	406	74.50	1892	24.00	610	23.50	597	1.44	37	33.50	1253	568
18	450	17.00	432	82.50	2096	24.00	610	25.00	635	1.56	40	37.63	1592	722
20	500	18.00	457	91.00	2311	30.00	762	27.50	699	1.69	43	41.88	2008	911
24	600	20.00	508	107.50	2731	30.00	762	32.00	813	1.88	48	50.06	2907	1318

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

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

Visit www.nibco.com for current Chem-Guide and galvanic potential in piping systems information.

Class 150 Ductile Iron Body Gate Valves

Raised Face Flanges • Bolted Bonnet • Outside Screw and Yoke • Solid Wedge • 316 Stainless Steel Trim

285 PSI/19.7 bar non-shock working pressure to -20°F to 100°F/-29°F to 38°C*

Maximum working temperature 650°F/343°C at 125 PSI/8.6 bar

150 PSI/10.3 bar saturated steam to 366°F/186°C



NSF/ANSI 61
NSF/ANSI 372

CERTIFIED LEAD-FREE* TO NSF/ANSI-61-8 (INCLUDES ANNEX F AND G) AND NSF/ANSI-372 • CONFORMS TO MSS SP-128

MATERIAL LIST

PART	SPECIFICATION
1. Stem	Stainless Steel ASTM A 276 S31600
2. Handwheel Nut	Ductile Iron ASTM A395
3. Identification Plate	Aluminum
4. Yoke Bushing	Ductile Iron ASTM A536
5. Handwheel	Iron ASTM A126 Class B
6. Bonnet Cap Nut	Steel ASTM A563
7. Bonnet Cap	Ductile Iron ASTM A536
8. Bonnet ¹	Ductile Iron ASTM A395
9. Bonnet Cap Bolt	Steel ASTM A307/SAE J429
10. Gland Follower Nut	Steel ASTM A563
11. Gland Follower	Ductile Iron ASTM A536
12. Packing Gland	Stainless Steel ASTM A276 S31600
13. Packing	PTFE Braided Synthetic Fiber
14. Gland Follower Bolt	Steel ASTM A307/SAE J429
15. Backseat Bushing	Stainless Steel ASTM A276
16. Body Nut	Steel ASTM A563
17. Body Bolt	Steel ASTM A307/SAE J429
18. Wedge Pin	Stainless Steel ASTM A276
19. Body	Ductile Iron ASTM A 395
20. Seat Ring ²	Stainless Steel ASTM A 351 CF8M
21. Wedge Face Ring	Stainless Steel ASTM A 351 CF8M
22. Wedge ²	Ductile Iron ASTM A 395
23. Body Gasket	Synthetic Fibers
24. Stem Collar	Stainless Steel ASTM A276 S31600
25. Grease Fitting	Alemite 1743B (not shown)

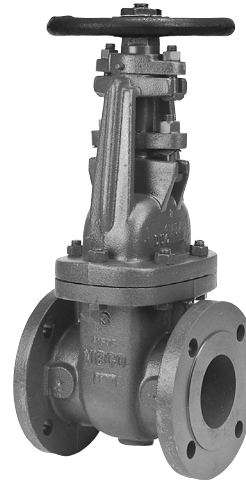
¹ Sizes 2" thru 8" made with Yoke Integral with Bonnet. 10" and 12" sizes made with separate Yoke Bolted to Bonnet.

² Size 2" thru 3" have solid wedges ASTM A351 CF8M.

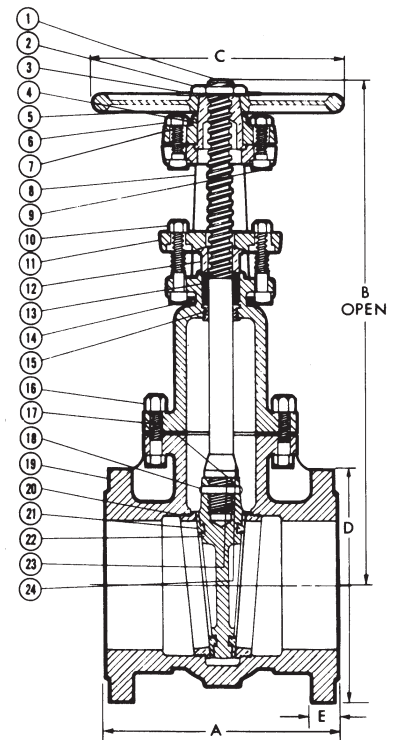
Sizes 4" thru 12" made with ASTM A395 wedge with ASTM A351 CF8M face rings.

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										Weight		
	A		B		C		D		E		Lbs.	Kg.	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.		
2	50	7.00	178	16.31	414	8.00	203	6.00	152	.63	16	40	18
2½	65	7.50	191	17.19	437	8.00	203	7.00	178	.69	17	54	25
3	80	8.00	203	19.50	495	8.00	203	7.50	191	.75	19	66	30
4	100	9.00	229	24.00	610	10.00	254	9.00	229	.94	24	107	48
5	125	10.00	254	27.13	689	10.00	254	10.00	254	.94	24	144	66
6	150	10.50	267	31.06	789	12.00	305	11.00	279	1.00	25	178	81
8	200	11.50	292	40.19	1021	14.00	356	13.50	343	1.13	29	309	140
10	250	13.00	330	48.25	1226	16.00	406	16.00	406	1.19	30	479	217
12	300	14.00	356	56.88	1445	18.00	457	19.00	483	1.25	32	706	320



F-637-33
Flanged-Raised Face



F-637-33
Flg x Flg

Visit www.nibco.com for current Chem-Guide and galvanic potential in piping systems information.

Class 150 Ductile Iron Body Gate Valves

Raised Face Flanges • Bolted Bonnet • Outside Screw and Yoke • Solid Wedge • 316 Stainless Steel Trim

285 PSI/19.7 bar non-shock cold working pressure to -20°F to 100°F/-29°C to 38°C*

Maximum working temperature 650°F/343°C at 125 PSI/8.6 bar

150 PSI/10.3 bar saturated steam to 366°F/186°C

CERTIFIED LEAD-FREE* TO NSF/ANSI-61-8 (INCLUDES ANNEX F AND G) AND NSF/ANSI-372 • CONFORMS TO MSS SP-128

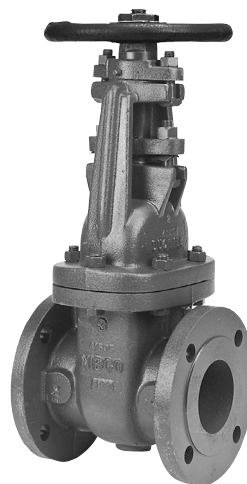


NSF/ANSI 61
NSF/ANSI 372

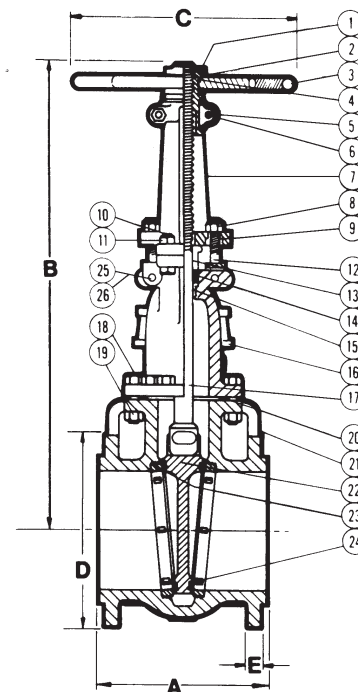
MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	Ductile Iron ASTM A536
2. Identification Plate	Aluminum
3. Handwheel	Fabricated Steel
4. Yoke Bushing	Ductile Iron ASTM A536
5. Split Yoke Bolt	Steel ASTM A307/SAE J429
6. Split Yoke Bolt Nut	Steel ASTM A563
7. Yoke	Ductile Iron ASTM A536
8. Eye Bolt Nut	STEEL ASTM A563
9. Gland Follower	Ductile Iron ASTM A536
10. Yoke Bolt	Steel ASTM A307/SAE J429
11. Yoke Bolt Nut	Steel ASTM A563
12. Gland Follower Eye Bolt	Steel ASTM A307/SAE J429
13. Packing Gland	Stainless Steel ASTM A276
14. Packing	PTFE Braided
15. Backseat Bushing	Stainless Steel ASTM A276
16. Bonnet	Ductile Iron ASTM A395
17. Stem	Stainless Steel ASTM A 276
18. Bonnet Bolt	Steel ASTM A307/SAE J429
19. Bonnet Bolt Nut	Steel ASTM A563
20. Bonnet Gasket	Synthetic Fibers
21. Body	Ductile Iron ASTM A395
22. Wedge	Ductile Iron ASTM A395
23. 1 Seat Ring	Stainless Steel ASTM A 351 CF8M
24. Wedge Ring	Stainless Steel ASTM A351 CF8M
25. Swing Nut	Steel ASTM A563
26. Swing Bolt	Steel ASTM A307/SAE J429
27. Grease Fitting	Alemite 1743B (not shown)
28. Stem Collar	Stainless Steel ASTM A276 (not shown)
29. Wedge Pin	Stainless Steel ASTM A276 (not shown)
30. Wedge Nut	Stainless Steel ASTM A276 (not shown)

*Lugs may be removed at customer's request – POA.



F-637-33
Flanged-Raised Face



F-637-33
Flg x Flg

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										Turns to Open	Weight		
	A	B	C	D	E	A	B	C	D	E		Lbs.	Kg.	
14	350	15.00	381	65.50	1664	24.00	610	21.00	533	1.38	35	29.38	890	405
16	400	16.00	406	74.50	1892	24.00	610	23.50	597	1.44	37	33.50	1253	570
18	450	17.00	432	82.50	2096	24.00	610	25.00	635	1.56	40	37.63	1598	726
20	500	18.00	457	91.00	2311	30.00	762	27.50	699	1.69	43	41.88	2000	909
24	600	20.00	508	107.50	2731	30.00	762	32.00	813	1.88	48	50.06	2908	1322

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

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

Visit www.nibco.com for current Chem-Guide and galvanic potential in piping systems information.

Class 150 Ductile Iron Body Gate Valves

Raised Face Flanges • Bolted Bonnet • Non-rising stem • Solid Wedge • B584 Bronze Trim

285 PSI/19.7 bar non-shock cold working pressure to -20°F to 100°F/-29°C to 38°C

Maximum working temperature 650°F/343°C at 125 PSI/8.6 bar

150 PSI/10.3 bar saturated steam to 366°F/186°C

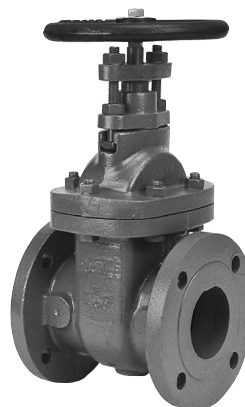
CONFORMS TO MSS SP-128

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	Steel ASTM A563
2. Identification Plate	Aluminum
3. Handwheel	Iron ASTM A126 Class B
4. Stem	Brass ASTM B371 C69430/C69400
5. Gland Follower Nut	Brass ASTM F467
6. Gland Follower	Ductile Iron ASTM A536
7. Gland Follower Bolt	Steel ASTM A307/SAE J429
8. Packing Gland	Brass or Iron
9. Stuffing Box	Ductile Iron ASTM A536
10. Packing	PTFE Braided
11. Stuffing Box Gasket	Synthetic Fibers
12. Bonnet	Ductile Iron ASTM A395
13. Body Bolt	Steel ASTM A307/SAE J429
14. Body Gasket	Synthetic Fibers
15. Body Nut	Steel ASTM A563 C84400
16. ² Seat Ring	Brass ASTM B584 C84400
17. Wedge Face Ring	Brass ASTM B584
18. ¹ Wedge	Ductile Iron ASTM A395
19. Body	Ductile Iron ASTM A395
20. Stuffing Box Nut	Steel ASTM A563 (not shown)

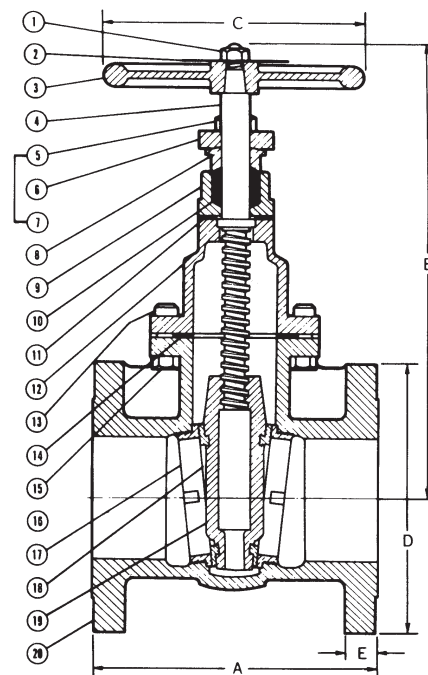
¹Sizes thru 4" made with Bronze Wedges. Sizes 5" thru 12" made with Ductile Iron Wedge with Bronze Face Rings (31 Trim).

² Lugs may be removed at customer's request – POA.



F-639-31

Flanged-Raised Face



F-639-31

Flg x Flg

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										Weight	
	A		B		C		D		E		Lbs.	Kg.
In. mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.		
2 50	7.00	178	11.00	279	7.00	178	6.00	152	.63	16	35	16
2½ 65	7.50	191	12.50	318	7.00	178	7.00	178	.69	17	49	22
3 80	8.00	203	13.50	343	8.00	203	7.50	191	.75	19	60	27
4 100	9.00	229	15.75	400	10.00	254	9.00	229	.94	24	90	41
5 125	10.00	254	17.00	432	10.00	254	10.00	254	.94	24	129	59
6 150	10.50	267	21.00	533	12.00	305	11.00	279	1.00	25	161	73
8 200	11.50	292	25.00	635	14.00	356	13.50	343	1.13	29	278	126
10 250	13.00	330	29.00	737	16.00	406	16.00	406	1.19	30	419	190
12 300	14.00	356	34.50	876	18.00	457	19.00	483	1.25	32	631	286
14 350	15.00	381	40.38	1026	20.00	508	21.00	533	1.38	35	869	394
16 400	16.00	407	45.75	1162	22.00	559	23.50	597	1.44	37	1223	555

Position indicators available. See page 98.

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

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

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Class 150 Ductile Iron Body Gate Valves

Raised Face Flanges • Bolted Bonnet • Non-Rising Stem • Solid Wedge • 316 Stainless Steel Trim

285 PSI/19.7 bar non-shock cold working pressure to -20°F to 100°F/-29°C to 38°C*

Maximum working temperature 650°F/343°C at 125 PSI/8.6 bar

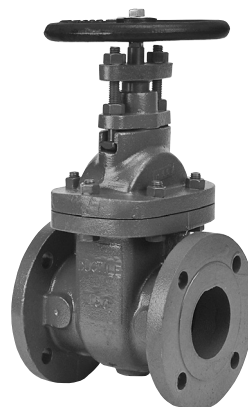
150 PSI/10.3 bar saturated steam to 366°F/186°C

CONFORMS TO MSS SP-128

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	Steel ASTM A307
2. Identification Plate	Aluminum
3. Handwheel	Iron ASTM A126 Class B
4. Stem	Stainless Steel ASTM A276
5. Gland Follower Nut	Steel ASTM A307
6. Gland Follower	Ductile Iron ASTM A536
7. Gland Follower Bolt	Steel ASTM A307/SAE J429
8. Packing Gland	Stainless Steel ASTM A276
9. Stuffing Box	Ductile Iron ASTM A536
10. Packing	PTFE Braided
11. Stuffing Box Gasket	Synthetic Fibers
12. Bonnet	Ductile Iron ASTM A395
13. Body Bolt	Steel ASTM A307/SAE J429
14. Body Gasket	Synthetic Fibers
15. Body Nut	Steel ASTM A307
16. ¹ Seat Ring	Stainless Steel ASTM A351 CF8M
17. Wedge Face Ring	Stainless Steel ASTM A351 CF8M
18. Wedge	Ductile Iron ASTM A395
19. Body	Ductile Iron ASTM A395
20. Stuffing Box Nut	Steel ASTM A307 (not shown)

¹Lugs may be removed at customer's request – POA.



F-639-33

Flanged-Raised Face

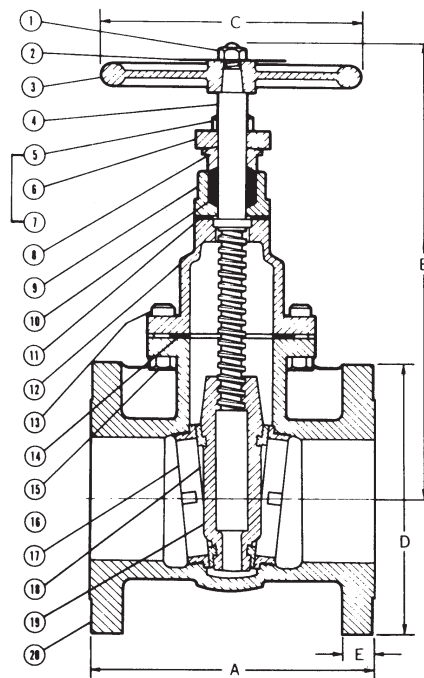
DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										Weight		
	A		B		C		D		E		Lbs.	Kg.	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.
2	50	7.00	178	11.00	279	7.00	178	6.00	152	.63	16	35	16
2½	65	7.50	191	12.50	318	7.00	178	7.00	178	.69	17	49	22
3	80	8.00	203	13.50	343	8.00	203	7.50	191	.75	19	60	27
4	100	9.00	229	15.75	400	10.00	254	9.00	229	.94	24	90	41
5	125	10.00	254	17.00	432	10.00	254	10.00	254	.94	24	129	59
6	150	10.50	267	21.00	533	12.00	305	11.00	279	1.00	25	161	73
8	200	11.50	292	25.00	635	14.00	356	13.50	343	1.13	29	278	126
10	250	13.00	330	29.00	737	16.00	406	16.00	406	1.19	30	419	190
12	300	14.00	356	34.50	876	18.00	457	19.00	483	1.25	32	631	286
14	350	15.00	381	40.38	1026	20.00	508	21.00	533	1.38	35	869	394
16	400	16.00	407	45.75	1162	22.00	559	23.50	597	1.44	37	1223	555

Position indicators available. See page 98.

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

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



F-639-33
Flg x Flg

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