

Class 150 Ductile Iron Body Gate Valves

Raised Face Flanges • Bolted Bonnet • Outside Screw and Yoke •
Solid Wedge • B 584 Bronze Trim

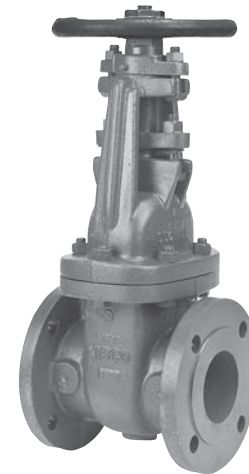
**285 PSI/19.7 Bar Non-Shock Cold Working Pressure
to -20° F to 100° F/-29° C to 38° C**
185 PSI/12.8 Bar Saturated Steam to 450°F/232°C ♦

CONFORMS TO MSS SP-128

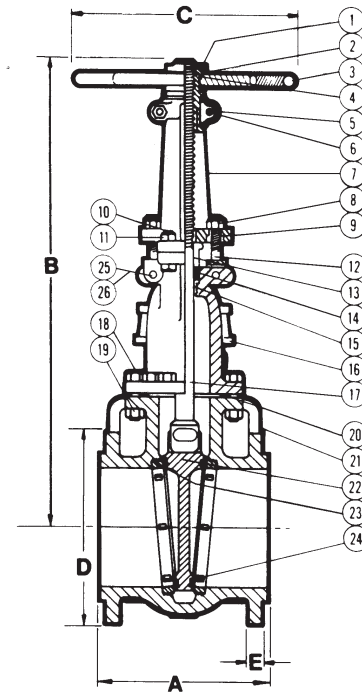
MATERIAL LIST

| PART | SPECIFICATION |
|-----------------------------|-------------------------------|
| 1. Handwheel Nut | Bronze ASTM B 584 |
| 2. Identification Plate | Aluminum |
| 3. Handwheel | Fabricated Steel |
| 4. Yoke Bushing | Bronze ASTM B 584 |
| 5. Split Yoke Bolt | Steel ASTM A 307 |
| 6. Split Yoke Bolt Nut | Steel ASTM A 307 |
| 7. Yoke | Ductile Iron ASTM A 536 |
| 8. Eye Bolt Nut | Brass ASTM F 467 |
| 9. Gland Follower | Ductile Iron ASTM A 536 |
| 10. Yoke Bolt | Steel ASTM A 307 |
| 11. Yoke Bolt Nut | Steel ASTM A 307 |
| 12. Gland Follower Eye Bolt | Steel ASTM A 307 |
| 13. Packing Gland | Bronze ASTM B 584 |
| 14. Packing | PTFE Braided |
| 15. Backseat Bushing | Bronze ASTM B 371 |
| 16. Bonnet | Ductile Iron ASTM A 395 |
| 17. Stem | Bronze ASTM B 371 |
| 18. Bonnet Bolt | Steel ASTM A 307 |
| 19. Bonnet Bolt Nut | Steel ASTM A 307 |
| 20. Bonnet Gasket | Synthetic Fibers |
| 21. Body | Ductile Iron ASTM A 395 |
| 22. Wedge | Ductile Iron ASTM A 395 |
| 23. ¹ Seat Ring | Bronze ASTM B 584 |
| 24. Wedge Ring | Bronze ASTM B 584 |
| 25. Swing Nut | Steel ASTM A 307 |
| 26. Swing Bolt | Steel ASTM A 307 |
| 27. Grease Fitting | Alemite 1743B (not shown) |
| 28. Stem Collar | Bronze ASTM B 371 (not shown) |
| 29. Wedge Pin | Bronze ASTM B 371 (not shown) |
| 30. Wedge Nut | Bronze ASTM B 584 (not shown) |

¹ 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 | | | | | | | | | | 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 111.