

Class 250 Iron Body Gate Valves

Bolted Bonnet • Non-Rising Stem • Solid Wedge • Bronze Mounted

250 PSI/17.2 Bar Saturated Steam to 406° F/207° C
500 PSI/34.5 Bar Non-Shock Cold Working Pressure
to -20° F to 150° F/-29° C to 66° C◆

CONFORMS TO MSS SP-70

MATERIAL LIST

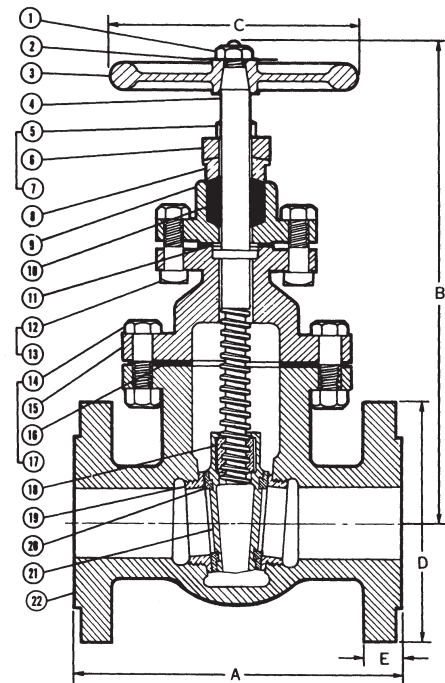
PART	SPECIFICATION
1. Handwheel Nut	Steel ASTM A 307
2. Identification Plate	Aluminum
3. Handwheel	Cast Iron ASTM A 126 Class B
4. Stem	Brass ASTM B 16 Alloy C36000
5. Gland Follower Nut	Brass ASTM F 467 Alloy C27000
6. Gland Follower	Cast Iron ASTM A 126 Class B or Ductile Iron ASTM A 536
7. Gland Follower Bolt	Steel ASTM A 307
8. Packing Gland	Zinc Plated Powdered Iron ASTM B 783 or Brass ASTM B 16
9. Stuffing Box	Cast Iron ASTM A 126 Class B
10. Packing	TFE Braided
11. Stuffing Box Gasket	Reinforced Graphite
12. Stuffing Box Bolt	Steel ASTM A 307
13. Stuffing Box Nut	Steel ASTM A 307
14. Body Bolt	Steel ASTM A 307
15. Bonnet	Cast Iron ASTM A 126 Class B
16. Body Gasket	Reinforced Graphite
17. Body Nut	Steel ASTM A 307
18. ² Wedge Nut	Cast Bronze ASTM B 584 Alloy C84400
19. Seat Ring	Cast Bronze ASTM B 584 Alloy C84400
20. ¹ Wedge Face Ring	Cast Bronze ASTM B 584 Alloy C84400
21. ¹ Wedge	Cast Iron ASTM A 126 Class B
22. Body	Cast Iron ASTM A 126 Class B

¹ Sizes thru 3" have Bronze Wedges. 4" thru 12" have Cast Iron Wedges with Bronze Wedge Face Rings.

² Bronze Wedge Bushing cast in place on 4" Wedge. Bronze Wedge Nut used in sizes 5" thru 12".



F-669
Flanged



F-669
Flg x Flg

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										Weight	
	A		B		C		D		E			
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	Lbs.	Kg.	
2 50	8.50 216	13.50 343	7 178	6.50 165	.88 22	53	24					
2½ 65	9.50 241	15.00 381	8 203	7.50 191	1.00 25	72	33					
3 80	11.13 283	16.50 419	10 254	8.25 210	1.13 29	115	52					
4 100	12.00 305	18.50 470	12 305	10.00 254	1.25 32	186	85					
5 125	15.00 381	20.75 527	12 305	11.00 279	1.38 35	269	122					
6 150	15.88 403	24.00 610	16 406	12.50 318	1.44 37	374	170					
8 200	16.50 419	28.50 724	16 406	15.00 381	1.63 41	581	264					
10 250	18.00 457	34.00 864	18 457	17.50 445	1.88 48	786	357					
12 300	19.75 502	36.00 914	20 508	20.50 521	2.00 51	1098	498					

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.