

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 A563
2. Identification Plate	Aluminum
3. Handwheel	Cast Iron ASTM A126 Class B
4. Stem	Brass ASTM B16 Alloy C36000
5. Gland Follower Nut	Brass ASTM F 467 Alloy C27000
6. Gland Follower	Cast Iron ASTM A126 Class B or Ductile Iron ASTM A536
7. Gland Follower Bolt	Steel ASTM A307
8. Packing Gland	Zinc Plated Powdered Iron ASTM B783 or Brass ASTM B16
9. Stuffing Box	Cast Iron ASTM A126 Class B
10. Packing	PTFE Braided
11. Stuffing Box Gasket	Reinforced Graphite
12. Stuffing Box Bolt	Steel ASTM A307
13. Stuffing Box Nut	Steel ASTM A563
14. Body Bolt	Steel ASTM A307
15. Bonnet	Cast Iron ASTM A126 Class B
16. Body Gasket	Reinforced Graphite
17. Body Nut	Steel ASTM A307
18. ² Wedge Nut	Cast Bronze ASTM B584 Alloy C84400
19. Seat Ring	Cast Bronze ASTM B584 Alloy C84400
20. ¹ Wedge Face Ring	Cast Bronze ASTM B584 Alloy C84400
21. ¹ Wedge	Cast Iron ASTM A126 Class B
22. Body	Cast Iron ASTM A126 Class B

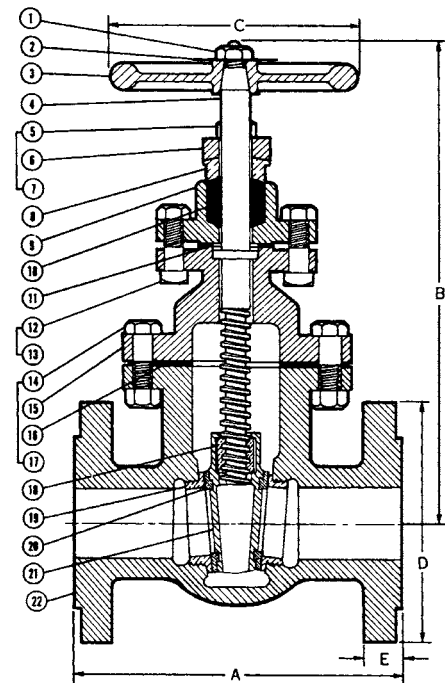
- ¹ Sizes thru 3" have Bronze Wedges. 4" thru 12" have Cast Iron Wedges with Bronze Wedge Face Rings.
² Bronze Wedge Bushing cast in place on 4" Wedge. Bronze Wedge Nut used in sizes 5" thru 12".

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	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						



F-669
Flanged



F-669
Flg x Flg

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

Position indicators available, see page 98.

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

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