

# Class 250 Iron Body Globe Valves

Bolted Bonnet • Renewable Seat and Disc\* • Bronze Mounted

500 PSI/34.5 bar non-shock cold working pressure from -20°F to 150°F/-29°C to 66°C\*

Maximum working temperature 450°F/232°C at 250 PSI/17.2 bar

250 PSI/17.2 bar saturated steam to 406°F/208°C

CONFORMS TO MSS SP-85

## 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. Yoke Bushing	Copper Alloy ASTM B584 Alloy C84400
6. Bonnet	Cast Iron ASTM A126 Class B
7. Gland Follower Nut	Copper Alloy ASTM F467 Alloy C27000
8. Gland Follower Stud	Steel ASTM A307/SAE J429
9. Gland Follower	Cast Iron ASTM A126 Class B or Ductile Iron ASTM A536
10. Packing Gland	Zinc Plated Powdered Iron ASTM B783 or Copper Alloy ASTM B16
11. Hex Head Cap Screw	Steel ASTM A307/SAE J429
12. Packing	Aramid Fibers / Graphite
13. Body Gasket	Reinforced Flexible Graphite
14. Swivel Nut	Copper Alloy ASTM B584 Alloy C84400 or ASTM B16 Alloy C36000
15. <sup>1</sup> Disc	Cast Iron ASTM A126 Class B
16. Disc Ring	Copper Alloy ASTM B584 Alloy C84400
17. Disc Pilot	Copper Alloy ASTM B584 Alloy C84400
18. Seat Ring	Copper Alloy ASTM B584 Alloy C84400
19. Body	Cast Iron ASTM A126 Class B

<sup>1</sup>Sizes thru 4" have all Bronze Discs

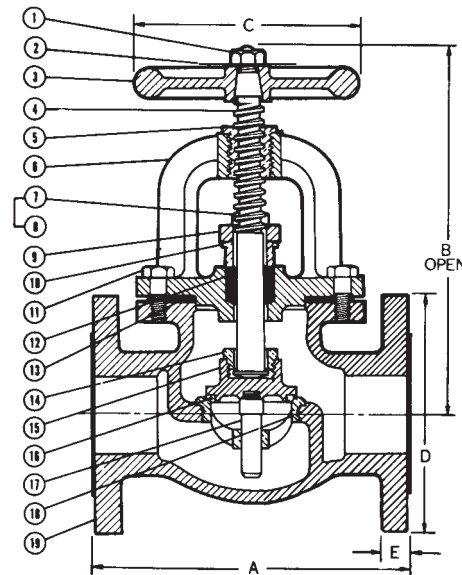
Sizes 6" and 8" have Cast Iron Disc with Copper Alloy Disc Face Rings and Copper Alloy Pilots.

<sup>2</sup>2" thru 6" have Aramid Fibers/Graphite packings. 8" has wire reinforced carbon yarn, resilient core with Graphite & Zinc finish.

NOTE: NIBCO may substitute Ductile Iron ASTM A395 (60-40-18) for ASTM A126 Class B Cast Iron for the Body, Bonnet, Wedge, or Disc. NIBCO may substitute Ductile Iron ASTM A395 (60-40-18) or ASTM A536 (65-45-12) for all other ASTM A126 Class B Cast Iron components.



**F-768-B**  
Flanged



**F-768-B**  
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	10.50	267	10.31	262	7	178	6.50	165	.88	22	42	19
2½ 65	11.50	292	13.56	344	8	203	7.50	191	1.00	25	78	35
3 80	12.50	318	14.00	356	10	254	8.25	210	1.13	29	96	44
4 100	14.00	356	16.50	419	11	279	10.00	254	1.25	32	154	70
6 150	17.50	445	23.50	597	14	356	12.50	318	1.44	37	360	163
8 200	21.00	533	26.50	673	16	406	15.00	381	1.63	41	546	248

\*With proper machining facilities available.

**FREEZE 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.



**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Visit [www.nibco.com](http://www.nibco.com) for current Chem-Guide and galvanic potential in piping systems information.