

# Class 125 Iron Body Globe Valves

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

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-85

## MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	Steel ASTM A307
2. Identification Plate	Aluminum
3. Handwheel	Cast Iron ASTM A126 Class B
4. Yoke Bushing	Brass ASTM B584 Alloy C84400
5. Bonnet	Cast Iron ASTM A126 Class B
6. Stem	Copper Alloy ASTM B16 Alloy C36000
7. Gland Follower Nut	Copper Alloy ASTM F467 Alloy C27000
8. Gland Follower	Cast Iron ASTM A126 Class B or Ductile Iron ASTM A536
9. Packing Gland	Zinc Plated Powdered Iron ASTM B783 or Copper Alloy ASTM B16
10. Gland Follower Stud	Steel ASTM A307
11. Packing	Aramid Fibers / Graphite
12. <sup>1</sup> Body Bolt	Steel ASTM A307/SAE J429
13. Body Gasket	Synthetic Fibers / Nitrile
14. <sup>1</sup> Body Nut	Steel ASTM A563
15. Swivel Nut	Copper Alloy ASTM B584 Alloy C84400
16. <sup>2</sup> Disc Cage	Cast Iron ASTM A126 Class B
17. <sup>3</sup> Disc	Copper Alloy ASTM B584 Alloy C84400 (B)
**18. <sup>4</sup> Disc Plate	Cast Iron ASTM A126 Class B
**19. Disc Nut	Copper Alloy
20. Seat Ring	Copper Alloy ASTM B584 Alloy C84400
21. Body	Cast Iron ASTM A126 Class B

<sup>1</sup> 2" and 10" have hex head steel capscrew.

<sup>2</sup> 2" thru 5" are Cast Copper Alloy ASTM B584 Alloy C84400

<sup>3</sup> For (B) Disc, 2" thru 6" have Bronze ASTM B584 Alloy C84400 Disc.

8" thru 10" have Iron Disc with Copper Alloy Disc Face Rings and Brass Pilots.

<sup>4</sup> 2" thru 4" are Cast Copper Alloy ASTM B584 Alloy C84400.

<sup>5</sup> 2" thru 8" have Aramid Fibers/Graphite packings. 10" has wire reinforced carbon yarn/resilient core with graphite and zinc finish.

\*\*For PTFE Seat Valves Only.

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.

## DIMENSIONS—WEIGHTS—QUANTITIES

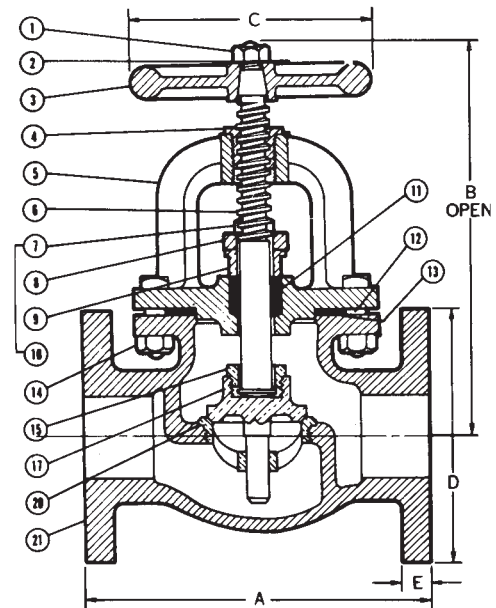
Size	Dimensions										Weight	
	A		B		C		D		E		Lbs.	Kg.
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.			
2 50	8.00 203	10.19 259	7 178	6.00 152	.63 16	32 15						
2½ 65	8.50 216	11.81 300	8 203	7.00 178	.69 17	49 22						
3 80	9.50 241	12.50 318	8 203	7.50 191	.75 19	65 30						
4 100	11.50 292	15.81 402	10 254	9.00 229	.94 24	98 44						
5 125	13.00 330	16.50 419	10 254	10.00 254	.94 24	140 63						
6 150	14.00 356	18.88 479	12 305	11.00 279	1.00 25	182 83						
8 200	19.50 495	21.13 537	16 406	13.50 343	1.13 29	361 164						
10 250	24.50 622	25.19 640	18 457	16.00 406	1.19 30	586 266						

\*With proper machining facilities.

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



**F-718-B**  
Flanged



**F-718-B**  
Flg x Flg

**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.



**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).