

# Class 125 Iron Body Globe Valves

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

**125 PSI/8.6 Bar Saturated Steam to 353° F/178° C**  
**200 PSI/13.8 Bar Non-Shock Cold Working Pressure**  
**to -20° F to 150° F/-29° C to 66° C** ♦

CONFORMS TO MSS SP-85

## 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. Yoke Bushing	Cast Bronze ASTM B 584 Alloy C84400
5. Bonnet	Cast Iron ASTM A 126 Class B
6. Stem	Brass ASTM B 16 Alloy C36000
7. Gland Follower Nut	Brass ASTM F 467 Alloy C27000
8. Gland Follower	Cast Iron ASTM A 126 Class B or Ductile Iron ASTM A 536
9. Packing Gland	Zinc Plated Powdered Iron ASTM B 783 or Brass ASTM B 16
10. Gland Follower Stud	Steel ASTM A 307
11. Packing	Synthetic Fibers with Graphite
12. <sup>1</sup> Body Bolt	Steel ASTM A 307
13. Body Gasket	Synthetic Fibers
14. <sup>1</sup> Body Nut	Steel ASTM A 307
15. Swivel Nut	Cast Bronze ASTM B 584 Alloy C84400
16. <sup>2</sup> Disc Cage	Cast Iron ASTM A 126 Class B
17. <sup>3</sup> Disc	Cast Bronze ASTM B 584 Alloy C84400 (B)
**18. <sup>4</sup> Disc Plate	Cast Iron ASTM A 126 Class B
**19. Disc Nut	Bronze
20. Seat Ring	Cast Bronze ASTM B 584 Alloy C84400
21. Body	Cast Iron ASTM A 126 Class B

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

<sup>2</sup>2" thru 5" are Cast Bronze ASTM B 584 Alloy C84400

<sup>3</sup>For (B) Disc, 2" thru 6" have Bronze ASTM B 584 Alloy C84400 Disc.

<sup>8</sup>" thru 10" have Iron Disc with Bronze Disc Face Rings and Brass Pilots.

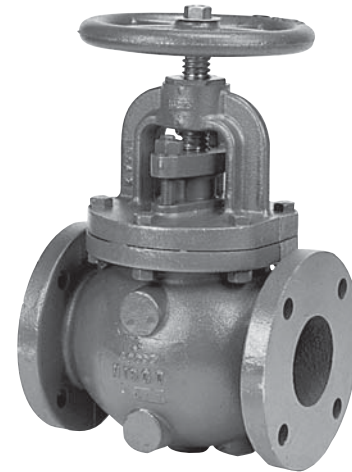
<sup>4</sup>2" thru 4" are Cast Bronze ASTM B 584 Alloy C84400.

\*\* For Teflon Seat Valves Only.

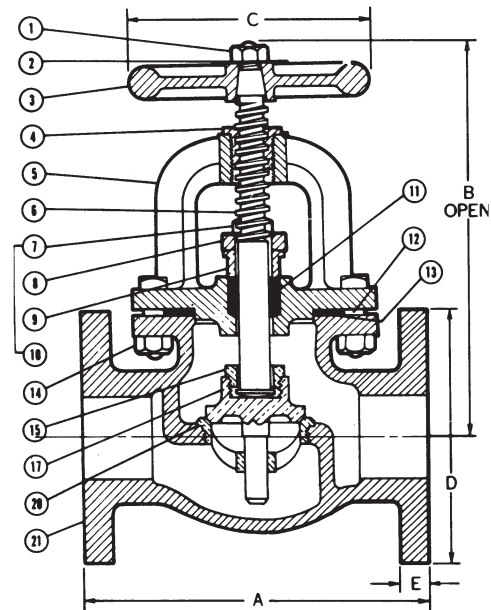
## DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										Weight	
	A	B	C	D	E	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.	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.



**F-718-B**  
Flanged



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

**Freezing Weather Precaution** – Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 111.