

# Class 125 Iron Body Angle 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 Stud	Steel ASTM A 307
9. Gland Follower	Cast Iron ASTM A 126 Class B or Ductile Iron ASTM A 536
10. Packing Gland	Zinc Plated Powdered Iron ASTM B 783 or ASTM B 16
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	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" have hex head steel capscrews.

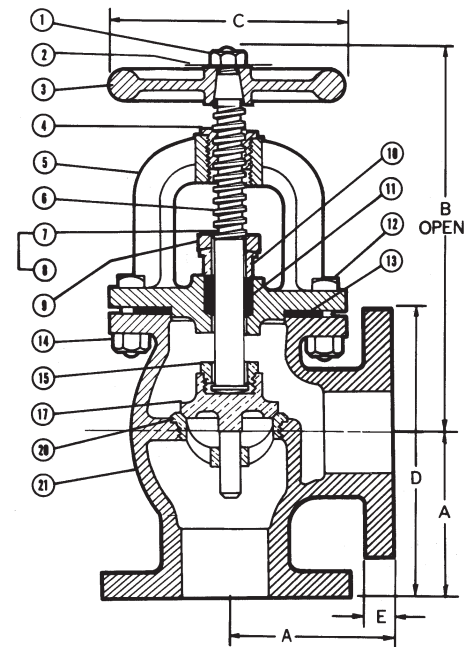
<sup>2</sup>2" thru 5" are Cast Bronze ASTM B 584 Alloy C84400.

<sup>3</sup> 8" have Cast Iron Disc with Bronze Disc Face Rings and Brass Pilots.

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



**F-818-B**  
Flanged



**F-818-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	4.00	102	10.00	254	7 178	6.00	152	.63	16	30	14	
2½ 65	4.25	108	11.50	292	8 203	7.00	178	.69	17	50	23	
3 80	4.75	121	12.25	311	8 203	7.50	191	.75	19	60	27	
4 100	5.75	146	15.00	381	10 254	9.00	229	.94	24	99	45	
5 125	6.50	171	16.50	419	10 254	10.00	254	.94	24	133	60	
6 150	7.00	178	18.88	479	12 305	11.00	279	1.00	25	187	85	
8 200	9.75	248	20.75	527	16 406	13.50	343	1.13	29	349	158	

\* With proper machining facilities available.

**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.