

# Class 125 Iron Body Angle 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 A563
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 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 ASTM B16
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" have hex head steel capscrews.

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

**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.		
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

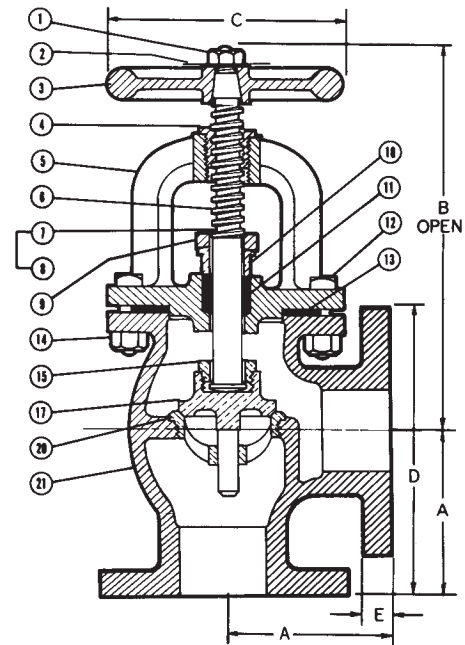
\*With proper machining facilities available.

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

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



**F-818-B**  
Flanged



**F-818-B**  
Flg x Flg



**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.