

Class 150 Ductile Iron Body Angle Valves

Raised Face Flanges • Bolted Bonnet • Outside Screw and Yoke •
B 584 Bronze Trim

**285 PSI/19.7 Bar Non-Shock Cold Working Pressure
to -20° F to 100° F/-29° C to 38° C**

185 PSI/12.8 Bar Saturated Steam to 450°F/232°C ◆

TESTING SPECIFICATION TO MSS SP-85

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	Steel ASTM A 307
2. Identification Plate	Aluminum
3. Handwheel	Iron ASTM A 126 Class B
4. Yoke Bushing	Cast Bronze ASTM B 584
5. Bonnet	Ductile Iron ASTM A 395
6. Stem	Brass ASTM B 371 Alloy C69400
7. Gland Follower Nut	Brass ASTM F 467 Alloy C27000
8. Gland Follower Stud	Steel ASTM A 307
9. Gland Follower	Ductile Iron ASTM A 536
10. Packing Gland	Zinc Plated Powdered Iron ASTM B 310 or Brass ASTM B 372 C69400
11. Packing	TFE Braided
12. ¹ Body Bolt	Steel ASTM A 307
13. Body Gasket	Synthetic Fibers
14. ¹ Body Nut	Steel ASTM A 307
15. Swivel Nut	Cast Bronze ASTM B 584 Alloy C84400
16. ² Disc	Cast Bronze ASTM B 584 Alloy C84400
17. Seat Ring	Cast Bronze ASTM B 584 Alloy C84400
18. Body	Ductile Iron ASTM A 395

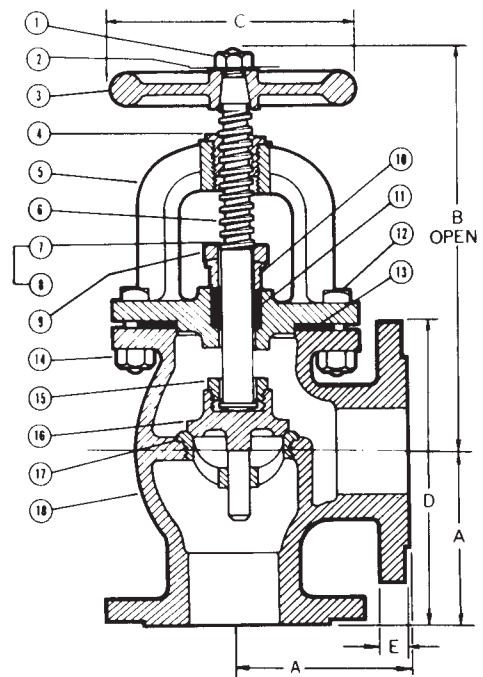
¹ 2" have hex head steel capscrew.

² For Disc 2" thru 6" have Bronze ASTM B 584 Disc. 8" thru 10" have Ductile Iron Disc with Bronze ASTM B 584 Disc Face Rings and Brass Pilots.

Consult Factory for non-return feature. Fig. No. F-838-31NR.



F-838-31
Flanged-Raised Face



F-838-31
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.	In. mm.	In. mm.	In. mm.	In. mm.			
2 50	4.00 102	10.00 254	7.00 178	6.00 152	.63 16	30 14						
2½ 65	4.25 108	11.50 292	8.00 203	7.00 178	.69 17	51 23						
3 80	4.75 121	12.25 311	8.00 203	7.50 191	.75 19	60 27						
4 100	5.75 146	15.00 381	10.00 254	9.00 229	.94 24	99 45						
5 125	6.50 171	16.50 419	10.00 254	10.00 254	.94 24	132 60						
6 150	7.00 178	18.88 479	12.00 305	11.00 279	1.00 25	188 85						
8 200	9.75 248	20.75 527	16.00 406	13.50 343	1.13 29	349 158						

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 111.