

Class 150 Ductile Iron Body Angle Valves

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

**250 PSI/17.2 Bar Non-Shock Cold Working Pressure
to -20° F to 100° F/-29° C to 38° C**

150 PSI/10.3 Bar Saturated Steam to 366°F/185°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	PTFE 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.

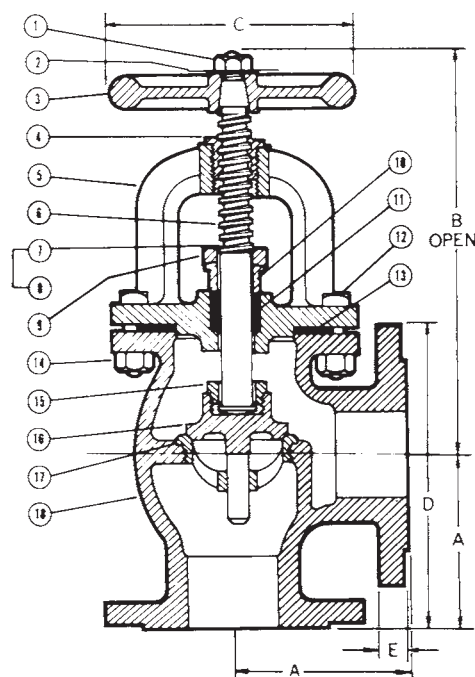
² For Disc 2" thru 6" have Bronze ASTM B 584 Disc. 8" thru 10" have Ductile Iron Disc with Bronze ASTM B 584 Disc Face Rings and Brass Pilots.

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			
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.
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 113.