Class 250 Iron Body Automatic Stop Check Valves

Bolted Bonnet • Angle Pattern • Renewable Seat and Disc* • Bronze Mounted

500 PSI/34.5 bar non-shock cold working pressure from -20°F to 150°F/-29°C to 66°C♦
Maximum working temperature 450°F/232°C at 250 PSI/17.2 bar
250 PSI/17.2 bar saturated steam to 406°F/208°C

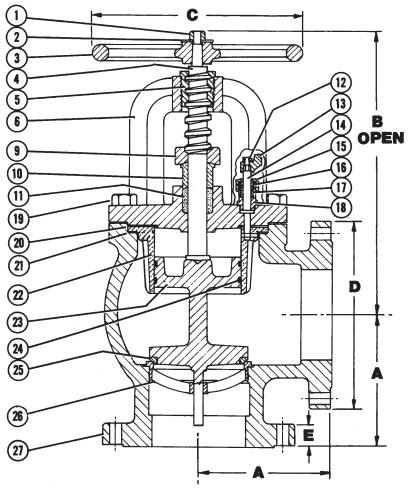
CONFORMS TO MSS SP-85

MATERIAL LIST

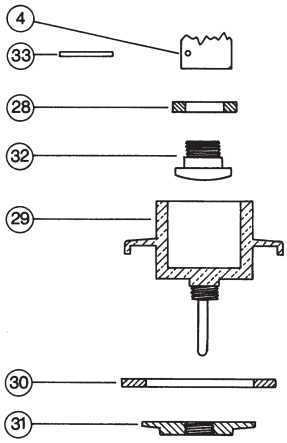
	PART	SPECIFICATION
1.	Handwheel Nut	Steel ASTM A307
2.	Identification Plate	Aluminum
3.	Handwheel	Cast Iron ASTM A126 Class B
4.	Stem	Brass ASTM B 16 Alloy C36000
5.	Yoke Bushing	Copper Alloy ASTM B584 Alloy C84400
6.	Bonnet	Cast Iron ASTM A126 Class B
7.	Gland Follower Stud	Steel ASTM A307 (not shown)
8.	Gland Follower Nut	Copper Alloy ASTM F467 Alloy C27000 (not shown)
9.	Gland Follower	Ductile Iron ASTM A536
10.	Packing Gland	Zinc Plated Powdered Iron ASTM B783 or Copper Alloy ASTM B16
11.	Packing	PTFE Braided
12. [1]	Butterfly Handle Nut	Steel ASTM A307/SAE J429
13. [1]	Butterfly Handle	Copper Alloy ASTM B584 Alloy C84400
14. [1]	Control Valve Stem	Copper Alloy ASTM B371 Alloy C69400
15. [1]	Control Valve Pack Nut	Copper Alloy ASTM B584 Alloy C84400
16. [1]	Control Valve Pack Gland	Copper Alloy ASTM B16 Alloy C36000
17. [1]	Control Valve Packing	Synthetic Fibers with Graphite
18. [1]	Control Valve Body	Copper Alloy ASTM B584 Alloy C84400
19.	Hex Head Cap Screw	Steel ASTM A307/SAE J429
20.	Body Gasket	Reinforced Graphite
21. [1]	Dashpot Gasket	Reinforced Graphite
22. [1]	Dashpot	Copper Alloy ASTM B584 Alloy C84400
23. [1]	Piston-Disc	Cast Iron ASTM A126 Class B
24. [1]	Piston Ring (2)	PTFE Composite Material
25. [1]	Disc Face Ring	Copper Alloy ASTM B584 Alloy C84400
26. [1]	Seat Ring	Copper Alloy ASTM B584 Alloy C84400
27.	Body	Cast Iron ASTM A126 Class B
28. [2]	Piston Ring Collar	Copper Alloy ASTM B16 Alloy C36000
29. [2]	Disc Cage	Copper Alloy ASTM B584 Alloy C84400
30. [2]	PTFE Disc	PTFE
31. [2]	Disc Plate and Nut	Copper Alloy ASTM B584 C84400
32. [2]	Piston Rod Plug	Copper Alloy ASTM B16 Alloy C36000
33. [2]	Piston Rod Plug Pin	Copper Alloy ASTM B 140 Alloy C31400

[1]4" thru 8" size only. (4" thru 8" have Cast Iron Disc with Bronze Disc Face Ring)
[2]TFE Seat Disc in 2½" and 3" only. Maximum 150 psi saturated steam working pressure

F-869-B
Flanged
Series D



F-869-B
Flg x Flg



DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions A		B		C		D		E		Weight	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.
2½	65	5.75	146	12.63	321	8	203	7.50	191	1.00	25	80	36
3	80	6.25	159	14.00	356	10	254	8.25	210	1.13	29	102	46
4	100	7.00	178	16.50	419	10	254	10.00	254	1.25	32	168	76
6	150	8.75	222	20.75	527	14	356	12.50	318	1.44	37	311	141
8	200	10.50	267	23.81	605	16	406	15.00	381	1.63	41	520	236

***With proper machining facilities available.**
Valve must be installed vertically.

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.

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.

Visit www.nibco.com for current Chem-Guide and galvanic potential in piping systems information.

NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227
TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1.574.295.3327 • FAX: +1.574.295.3455
www.nibco.com