

Class 150 Ductile Iron Body Swing Check Valves

Raised Face Flanges • Bolted Bonnet • 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/185C ♦

CONFORMS TO MSS SP-136

MATERIAL LIST

PART	SPECIFICATION
1. Bolt	Steel ASTM A307
2. Identification Plate	Aluminum
3. Bonnet	Ductile Iron ASTM A395
4. Body Gasket	Synthetic Fibers
5. Nut	Steel ASTM A563
6. Side Plug	Bronze ASTM B584
7. Hanger Pin	Bronze ASTM B371
8. Hanger	Ductile Iron ASTM A536
9. Disc ¹	Bronze ASTM B584
10. Seat Ring	Bronze ASTM B584
11. Disc Nut	Bronze ASTM B371
12. Body	Ductile Iron ASTM A395
13. Disc Bolt ¹	Bronze ASTM B371

¹ 2"-4" bronze disc
5"-12" ductile iron disc with bronze face ring and disc bolt



F-938-31
Flanged-Raised Face

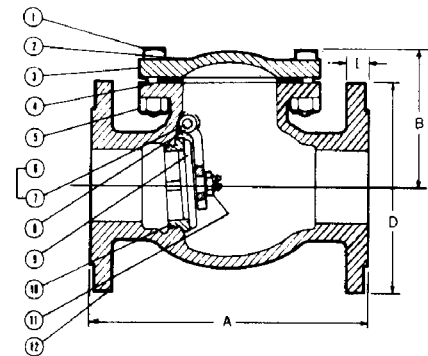
DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions						Weight			
	A		B		D		E			
In. mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.
2 50	8.00	203	3.94	100	6.00	152	.63	16	24	11
2½ 65	8.50	216	4.50	114	7.00	178	.69	17	35	16
3 80	9.50	241	5.13	130	7.50	191	.75	19	47	21
4 100	11.50	292	6.13	156	9.00	229	.94	24	81	37
5 125	13.00	330	6.81	173	10.00	254	.94	24	100	45
6 150	14.00	356	8.00	203	11.00	279	1.00	25	146	66
8 200	19.50	495	9.44	240	13.50	343	1.13	29	255	116
10 250	24.50	622	12.06	306	16.00	406	1.19	30	426	193
12 300	27.50	699	16.13	410	19.00	483	1.25	32	660	299

Lever and Weight/Spring Options available only in 3", 4" and 6". (see page 101)

Note: On pump discharge, the preferred check valves are:
- inline, spring assisted, center-guided, lift checks
- spring assisted twin (double) disc
- swing design with lever and weight or lever and spring

Install 5 pipe diameters minimum downstream from pump discharge or changes in direction to avoid flow turbulence. Flow straighteners may be required in extreme cases.



F-938-31
Flg x Flg

NIBCO® Check Valves may be installed in both horizontal and vertical lines with upward flow or in any intermediate position.

WARNING: Do not use for Reciprocating Air Compressor Service.

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

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