

# Class 125 Iron Body Check Valves

Bolted Bonnet • Horizontal Swing • \*Renewable Seat and Disc

**125 PSI/8.6 Bar Saturated Steam to 353° F/178° C**  
**200 PSI/13.8 Bar Non-Shock Cold Working Pressure**  
**to -20° F to 150° F/-29° C to 66° C** ◆

CONFORMS TO MSS SP-71 TYPE 1

## MATERIAL LIST

PART	SPECIFICATION
1. Body Bolt	Steel ASTM A 307
2. Identification Plate	Aluminum
3. Bonnet	Cast Iron ASTM A 126 Class B
4. Body Gasket	Synthetic Fibers
5. Body Nut	Steel ASTM A 307
6. Side Plug	Brass ASTM B 16 Alloy C36000
7. Hanger Pin	Brass ASTM B 16 Alloy C36000
8. <sup>2</sup> Hanger	Ductile Iron ASTM A 536
9. <sup>1</sup> Disc	Cast Bronze ASTM B 584 Alloy C84400 or ASTM A 536 Ductile Iron with Bronze Face Ring
10. Seat Ring	Cast Bronze ASTM B 584 Alloy C84400
11. Disc Nut	Brass ASTM B 16 Alloy C36000
12. Body	Cast Iron ASTM A 126 Class B
13. <sup>1</sup> Disc Bolt	Brass ASTM B 16 Alloy C36000
14. Disc Plate	Cast Iron ASTM A 126 Class B
15. Disc Cage	Cast Iron ASTM A 126 Class B

<sup>1</sup> 2" thru 4" have Bronze ASTM B 62 Disc.

5" thru 12" have Iron Disc with Bronze Disc Face Rings and Disc Bolt.

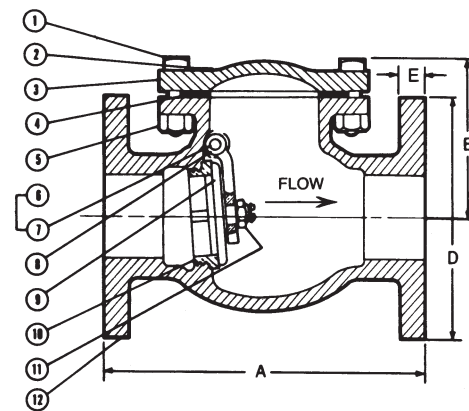
<sup>2</sup> 10" is Ductile Iron ASTM A 536.



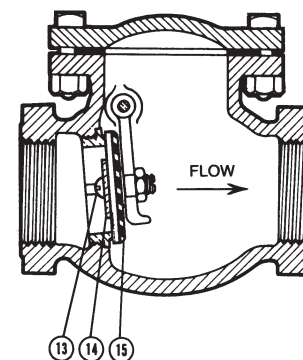
**F-918-B**  
Flanged



**T-918-B**  
Threaded



**F-918-B**  
Flg x Flg



**T-918**  
NPT x NPT

## DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions															
Size	F-918-B		T-918-B		B	D	E	F-918-B		T-918-B					
	A	A	A	A				Lbs.	Kg.	Lbs.	Kg.				
2	50	8.00	203	6.50	165	3.94	100	6.00	152	.63	16	24	11	15	7
2½	65	8.50	216	7.50	191	4.50	114	7.00	178	.69	17	35	16	26	12
3	80	9.50	241	8.00	203	5.13	130	7.50	191	.75	19	47	21	31	14
4	100	11.50	292	9.38	238	6.13	156	9.00	229	.94	24	80	36	54	24
5	125	13.00	330	10.63	270	6.81	173	10.00	254	.94	24	100	45	80	36
6	150	14.00	356	12.25	311	8.00	203	11.00	279	1.00	25	146	66	121	54
8	200	19.50	495	x	x	9.44	240	13.50	343	1.13	29	274	124	x	x
10	250	24.50	622	x	x	12.06	306	16.00	406	1.19	30	426	193	x	x
12	300	27.50	699	x	x	16.13	410	19.00	483	1.25	32	675	306	x	x

**Note:** On pump discharge, the preferred check valves are an in-line spring loaded, swing design with lever and weight or lever and spring. You should also install the check valve as far from the pump as possible and at a minimum length of 5 times the pipe diameter. Flow straighteners may be required.

\* Proper machining facilities required.

x Not available this size.

2½" thru 12" are available with lever and weight or lever and spring.

◆ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 111.

**WARNING:** Do not use for Reciprocating Air Compressor Service.

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