

# 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.

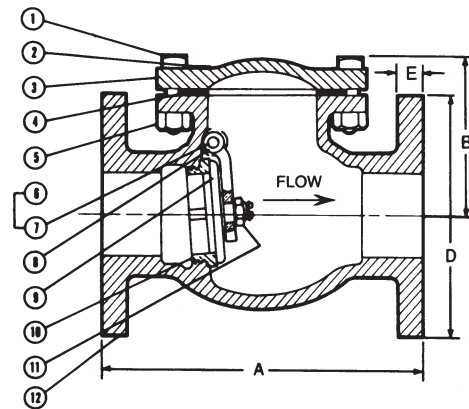
<sup>2</sup> 10" is Ductile Iron ASTM A 536.



**F-918-B**  
Flanged



**T-918-B**  
Threaded



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

## DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions													
Size	F-918-B		T-918-B		B	D	E	F-918-B		T-918-B			
	A	A	B	D				E	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	x x	6.81 173	10.00 254	.94 24	100	45	80	36			
6	150	14.00 356	x x	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:

- inline, spring assisted, center-guided, lift checks
- spring assisted twin (double) disc
- swing design with lever and weight or lever and spring

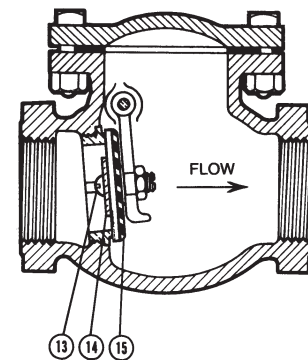
You should also install the check valve as far from the pump as possible and at a minimum length of 5 times the pipe diameter. Flow straighteners may be required.

\* 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.



**T-918**  
NPT x NPT

**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.