

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. ² Hanger	Ductile Iron ASTM A 536
9. ¹ 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. ¹ 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

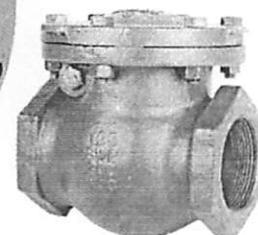
¹ 2" thru 4" have Bronze ASTM B 62 Disc.
 5" thru 12" have Iron Disc with Bronze Disc Face Rings and Disc Bolt.

² 10" is Ductile Iron ASTM A 536.

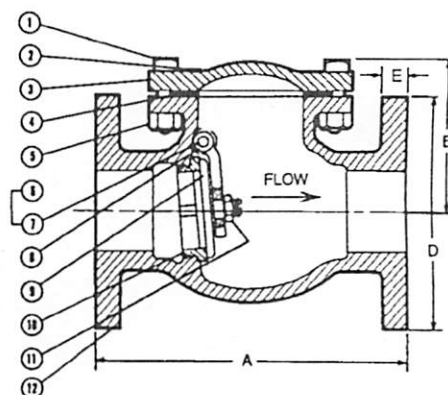
** These items are not in the -B, only the -W and -Y.



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											
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	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

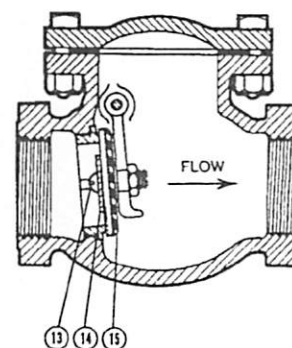
You should also install the check valve as far from the pump as possible and at a minimum length of 5 times the pipe diameter. Flow straighteners may be required.

* 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-W
NPT x NPT
Buna-N Disc Shown

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.