Class 125 Iron Body Check Valves

Twin Disc • Wafer Style • Bronze Disc • Rubber Seat • Spring Actuated
Non Slam • Silent Check

150 PSI/10.3 Bar Non-Shock Cold Working Pressure
Maximum Temperature to 180º F/82º C◆

CONFORMS TO ANSI B16.1

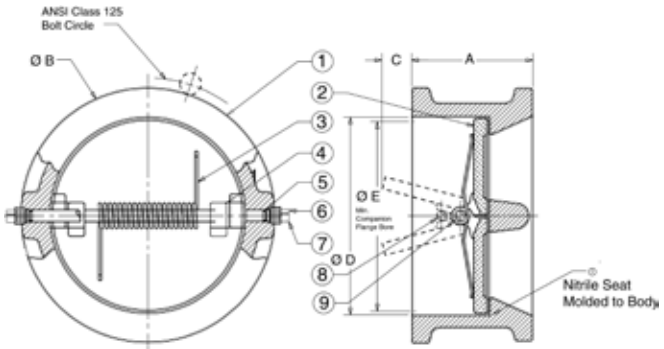
W-920-W
Wafer

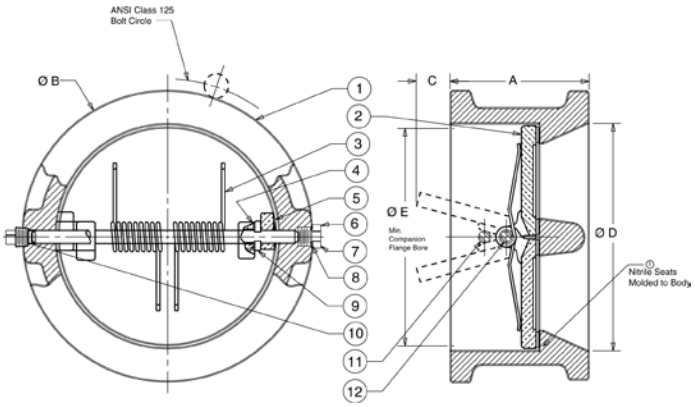
MATERIAL LIST — 14" thru 30"

PART	SPECIFICATION
1. Body	Cast Iron ASTM A 126 Class B w/Buna-N (Nitrile) resilient seat molded to body
2. Disc	Nickel Plated D.I. ASTM A 536 Grade 65-45-12
3. Torsion Spring	Stainless Steel ASTM A 313 UNS S31600 or UNS S17400
4. Disc Thrust Bearing	Stainless Steel ASTM A 240 UNS S31600
5. Stabilization Sphere	Nitrile ASTM D 2000
6. Hinge Pin Retainer	Steel
7. Stop Pin Retainer	Steel
8. Disc Stop Pin	Stainless Steel ASTM A 276 UNS S31600
9. Disc Hing Pin	Stainless Steel ASTM A 276 UNS S31600

MATERIAL LIST — 36"

PART	SPECIFICATION
1. Body	Cast Iron ASTM A 126 Class B
2. Disc	Nickel Plated D.I. ASTM A 536 Grade 65-45-12
3. Torsion Spring	Stainless Steel ASTM A 313 UNS S31600 or UNS S17400
4. Inner Thrust Bearing	Stainless Steel ASTM A 240 UNS S31600
5. Outer Thrust Bearing	Stainless Steel ASTM A 240 UNS S31600
6. Hinge Pin Retainer	Steel
7. Stop Pin Retainer	Steel
8. O-Ring	Nitrile ASTM D 2000
9. Shaft Collar	Stainless Steel ASTM A 240 UNS S31600
10. Stabilization Sphere	Nitrile ASTM D 2000
11. Stop Pin	Stainless Steel ASTM A 276 UNS S31600
12. Hinge Pin	Stainless Steel ASTM A 276 UNS S31600





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.
14	350	7.25	184	17.75	451	3.25	83	14.38	365	12.50	318	187	85
16	400	7.50	191	20.25	514	4.50	114	16.38	416	15.00	381	270	122
18	450	8.00	203	21.63	549	5.38	137	18.38	467	17.00	432	350	150
20	500	8.38	213	23.88	606	6.38	162	20.25	514	19.00	483	424	192
24	600	8.75	222	28.25	718	8.50	216	24.25	616	23.00	584	589	267
30	750	12.00	305	34.75	883	9.50	241	30.00	762	28.50	724	1112	504
36	900	14.50	368	41.25	1048	12.00	305	36.00	914	34.50	876	1864	846

NOTE: Twin Disc Check Valves can be installed horizontally or in the vertical position with flow up.

CAUTION:
For horizontal flow applications, the valve must be installed with disc hinge pin in the vertical position, to insure proper operation.

WARNING:
1. **Seat end of valve must be mated to a standard flat faced metal flange. Rubber flanges not acceptable.**
2. **These are not to be used as steam valves.**
3. **Valves are not to be used near a reciprocating air compressor.**
4. **Install 5 pipe diameters minimum downstream from pump discharge or elbows to avoid flow turbulence. Flow straighteners may be required in extreme cases.**

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 for far from the pump as possible and at a minimum length of 5 times the pipe diameter. Flow straighteners may be required.