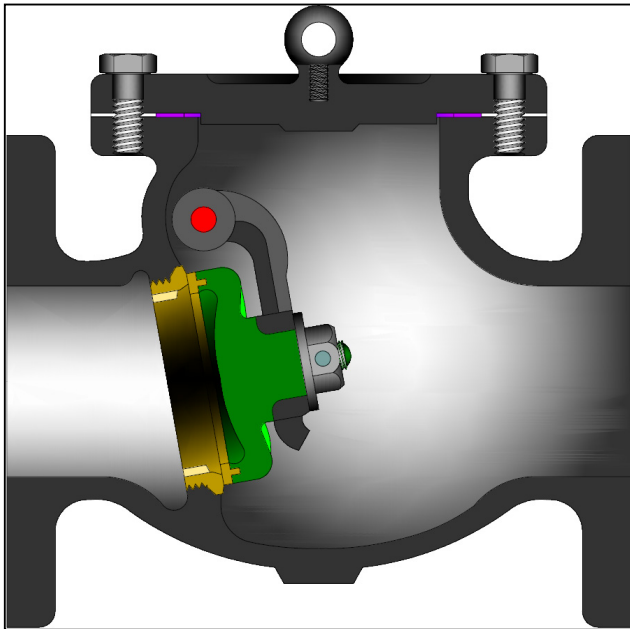


# MSS SP-71 SWING CHECK VALVES

BOLTED BONNET, FLANGED ENDS

2 - 24" (50 - 600 mm) CLASS 125

CAST IRON OR 3% NICKEL IRON



Class	Trim	Fig. No.
125	Bronze	559
	Iron	1259
	T316 SS	559P

**DESIGN FEATURES:**

- Seat faces lapped for smooth finish and superior sealing.
- Swivel disc for improved seat alignment and longer life.
- Each valve is shell and seat pressure tested per industry standard MSS SP-71.
- Check valve are suitable for service in horizontal line with cap vertical or in a vertical line with flow upward.

**STANDARD MATERIALS**

FIGURE NUMBER	559	1259	559P
CLASS	125	125	125
PART	MATERIALS		
Body	A126-B		3% Nickel
Cap	A126-B		3% Nickel
Disc	A126-B or A536		3% Nickel (1)
Disc Seat Ring	B62	-	A351 Gr. CF8M (1)
Seat Ring	B62	A536	A351 Gr. CF8M
Gasket	Non-Asbestos		
Carrier	A536		3% Nickel
Carrier Pin	B16	A276-410	A276-304
Disc Nut	A307-A		T304 SS
Split Pin	T304 SS	T410 SS	T304 SS
Washer	Steel		T304 SS
Body / Cap Stud	A307-A		
Body / Cap Nut	A563-A		
Side Plug	B16	A276-410	A276-304

(1) For sizes 2" and 3", the disc is solid A351 Gr. CF8M for figure 559P.

**Design Specifications**

Item	Applicable Specification
Wall thickness	ASME B16.1
Pressure - temperature ratings	MSS SP-71
General valve design	MSS SP-71 Type I
End to End dimensions	ASME B16.10
Flange design	ASME B16.1
Materials	ASTM

### SWING CHECK VALVE DIMENSIONS (CLASS 125)

SIZE		FIG 559, 1259, & 559P				
in	A	B	D	WT	lb	CV
mm					kg	
2	8.00	4.7	2.00	25		45
50	203	118	50	11		
2½	8.50	5.4	2.50	36		75
65	216	136	64	16		
3	9.50	5.8	3.00	46		110
80	241	147	75	21		
4	11.50	6.7	3.94	81		210
100	292	169	100	37		
5	13.00	7.8	4.94	115		345
125	330	198	125	52		
6	14.00	8.5	5.94	150		530
150	356	215	150	68		
8	19.50	10.4	7.94	253		1010
200	495	264	200	115		
10	24.50	11.9	9.88	442		1580
250	622	303	250	200		
12	27.50	13.5	12.00	638		2460
300	699	343	305	289		
14	31.00	15.5	14.00	792		3340
350	787	394	356	359		
16	36.00	17.6	16.00	1020		4360
400	914	448	406	463		
18	36.00	19.3	18.00	1304		5980
450	914	490	457	591		
20	40.00	22.3	20.00	1771		7400
500	1016	565	508	803		
24	48.00	24.9	24.00	2630		10600
600	1219	632	610	1193		

