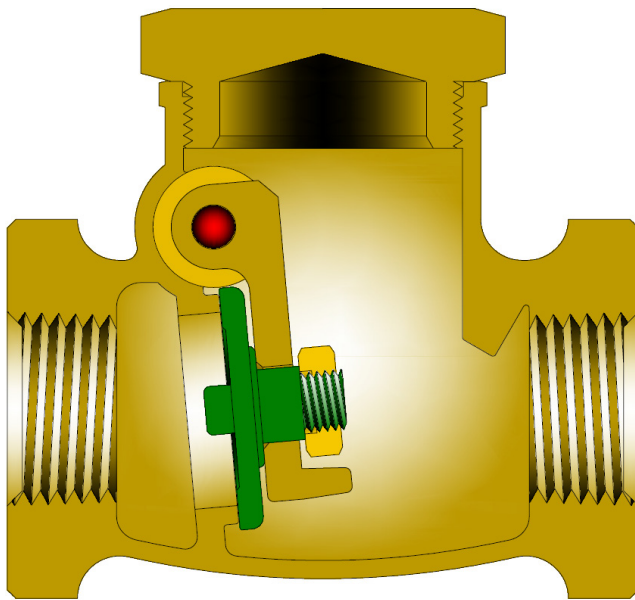


# MSS SP-80 SWING CHECK VALVE

THREADED CAP, THREADED ENDS

1/4 - 3" (6 - 75 mm) CLASS 125

BRONZE



Class	Fig. No.
125	578

## STANDARD MATERIALS

PART	MATERIALS
Body	B62
Cap	B62
Disc	B62
Disc Nut	Brass
Carrier	B124 C37700
Carrier Pin	SST 304

## Design Specifications

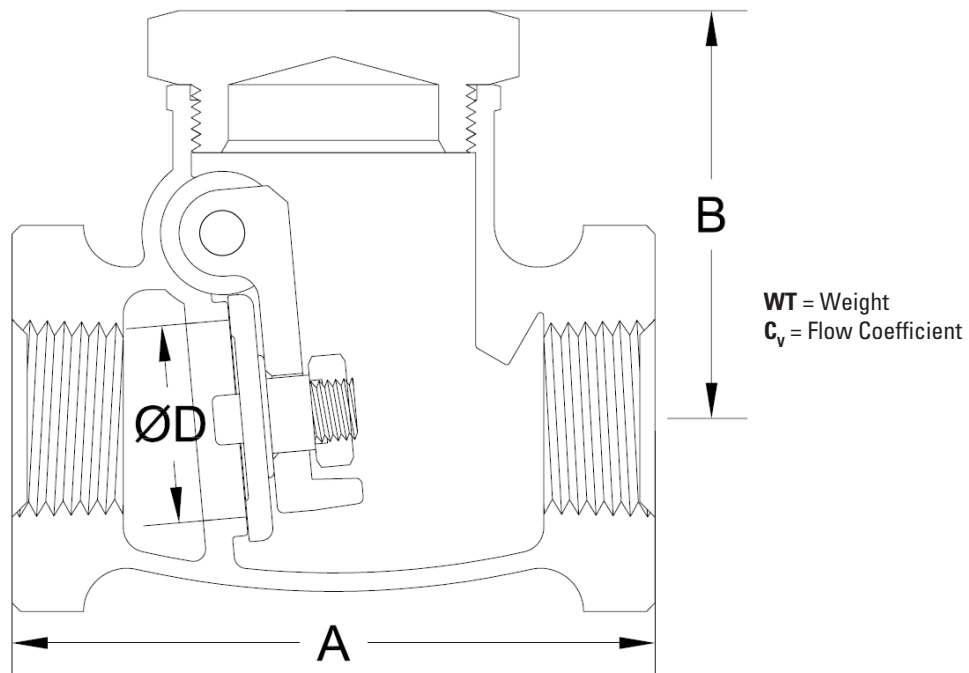
Item	Applicable Specification
Pressure - temperature ratings	MSS SP-80
General valve design	MSS SP-80
Thread design	ASME B1.20.1
Materials	ASTM

## DESIGN FEATURES:

- Renewable discs.
- Integral seats.
- Valves can be used in a horizontal or vertical position; however, when installed in a vertical line, flow must be upward with pressure under the disc.
- Each valve is shell and seat pressure tested per industry standard MSS SP-80.

### SWING CHECK VALVE DIMENSIONS (CLASS 125)

SIZE	FIG 578				
	A	B	D	WT	CV
in					lb
mm					kg
¼	1.88	1.3	0.25	0.4	2.4
6	48	33	10	0.2	
3/8	1.88	1.3	0.38	0.5	2.4
10	48	33	10	0.2	
½	2.25	1.5	0.50	0.7	4.1
13	58	37	13	0.3	
¾	2.63	1.7	0.75	1.0	9.1
20	66	43	19	0.5	
1	3.00	1.9	1.00	1.6	16.4
25	76	49	25	0.7	
1¼	3.44	2.3	1.25	2.3	30
32	88	58	32	1.0	
1½	4.25	2.5	1.50	3.0	40
40	108	63	39	1.4	
2	5.25	2.8	2.00	6.0	75
50	134	72	50	2.7	

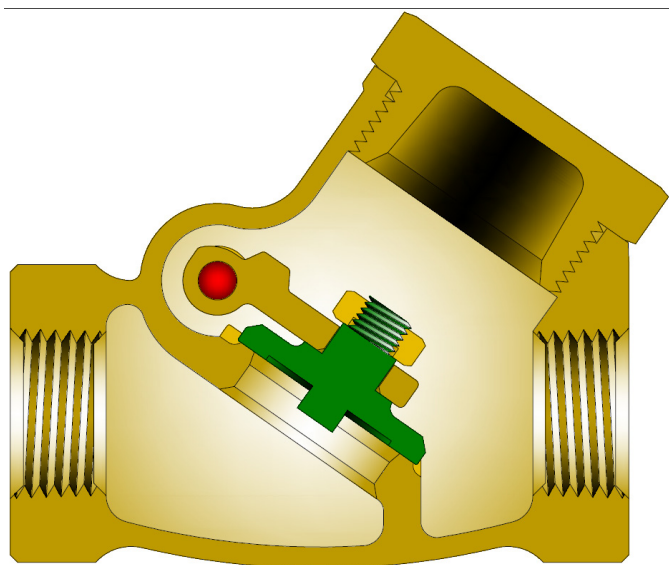


# MSS SP-80 SWING CHECK VALVES

THREADED BONNET, THREADED ENDS

1/4 - 3" (6 - 75 mm) CLASS 200 & 300

BRONZE PATTERN



Class	Fig. No.
200	560
300	563

## STANDARD MATERIALS

PART	MATERIALS
Body	B61
Cap	B61*
Disc	B61 or B371 C69400
Disc Nut	B16
Carrier	B62 or B124 C37700
Carrier Pin	B16
Side Plug	B16

## Design Specifications

Item	Applicable Specification
Pressure - temperature ratings	MSS SP-80
General valve design	MSS SP-80
Thread design	ASME B1.20.1
Materials	ASTM

## DESIGN FEATURES:

- By unscrewing the side plug and removing the cap and carrier pin, the carrier and disc assembly can be easily removed.
- Renewable disc is held by a locknut.
- Integral seats.
- Valves can be used in a horizontal or vertical position; however, when installed in vertical line, flow must be upward with pressure under the disc.
- Each valve is shell and seat pressure tested per industry standard MSS SP-80.

### SWING CHECK VALVE DIMENSIONS (CLASS 200 & 300)

SIZE	FIG 560					FIG 563				
	A	B	D	WT	CV	A	B	D	WT	CV
¼	2.25	1.4	0.25	0.6	1	2.38	1.5	0.25	0.7	0.9
6	57	35	6	0.3		60	38	6	0.3	
3/8	2.38	1.4	0.38	0.6	2	2.50	1.5	0.38	0.7	2.4
10	60	35	10	0.3		64	38	10	0.3	
½	2.75	1.7	0.50	0.8	4	2.88	1.8	0.50	1.0	4.1
13	70	43	13	0.4		73	46	13	0.5	
¾	3.13	2.0	0.75	1.3	9	3.25	2.1	0.75	1.6	9.1
20	79	51	19	0.6		83	54	19	0.7	
1	3.63	2.4	1.0	2.0	20	3.75	2.5	1.00	2.3	16.4
25	92	60	25	0.9		95	64	25	1.0	
1¼	4.38	3.0	1.25	3.4	30	4.50	3.1	1.25	4.1	30
32	111	76	32	1.5		114	79	32	1.9	
1½	5.00	3.5	1.50	4.8	40	5.13	3.6	1.50	5.9	40
40	127	89	38	2.2		130	90	38	2.7	
2	6.13	4.3	2.00	8.0	75	6.38	4.4	2.00	10.3	75
50	156	108	51	3.6		162	111	51	4.7	
2½	7.25	5.1	2.50	13.7	120	7.50	5.2	2.50	17.0	120
65	184	129	64	6.2		191	132	64	7.7	
3	8.50	5.9	3.00	20.3	175	8.75	6.0	3.00	25.3	175
75	216	149	76	9.2		222	152	76	11.5	

