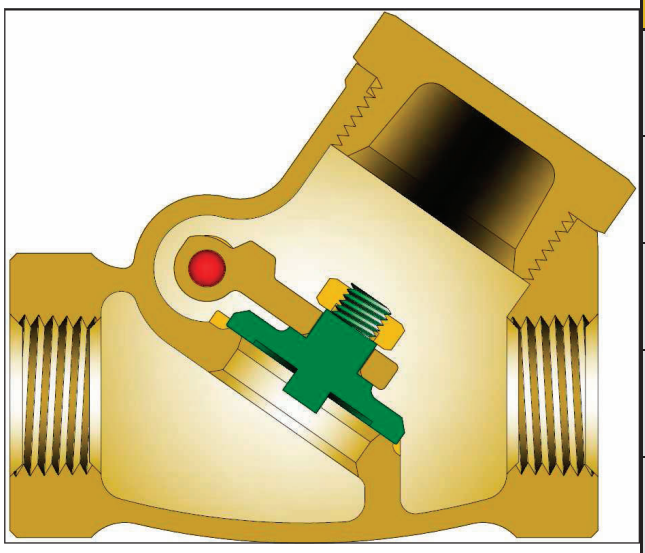
MSS SP-80 SWING CHECK VALVES
THREADED BONNET, THREADED ENDS
¼ TO 3" (6 TO 75mm) CLASS 200 AND 300
BRONZE Y-PATTERN



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

* B16 for ¾" and smaller sizes

Class	Fig. No.
200	560
300	563

DESIGN FEATURES:

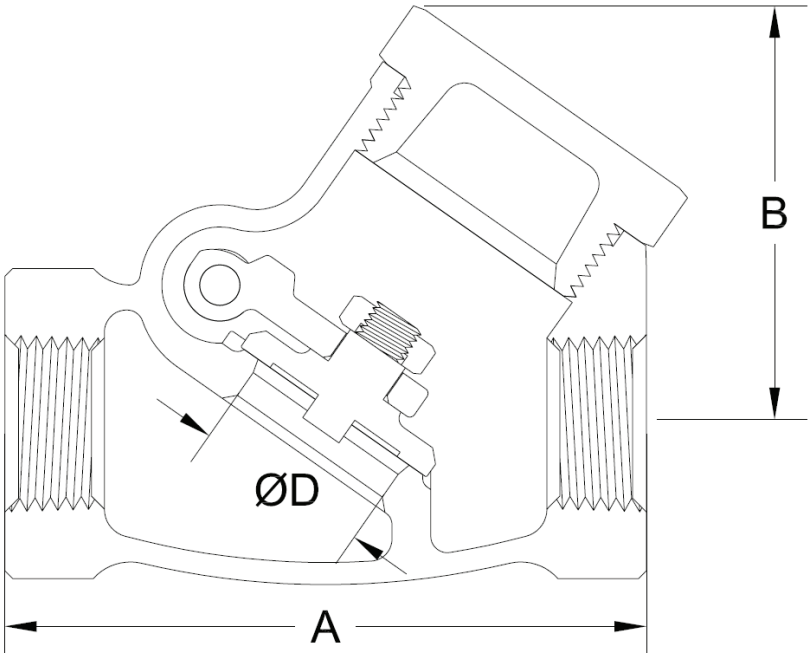
- **By** unscrewing the side plug and removing the cap and carrier pin, the carrier and disc assembly can be easily removed.
- **Renewable** disc is held by a locknut.
- **Integral** seats.
- **Valves** can be used in a horizontal or vertical position; however, when installed in vertical line, flow must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

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

SWING CHECK VALVE DIMENSIONS (CLASS 200 & 300).

SIZE	FIG 560						FIG 563					
in / mm	A	B	D	WT	lb / kg	C_V	A	B	D	WT	lb / kg	C_V
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		
⅜	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	1.00	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		



WT = Weight
C_V = Flow Coefficient