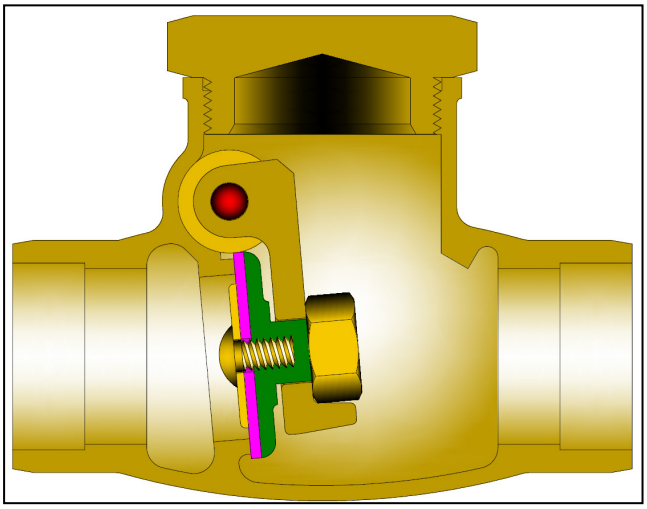
MSS SP-80 SWING CHECK VALVES

THREADED BONNET, SILVER BRAZE TUBING ENDS
1/2" - 3" (13 - 75mm) CLASS 200
BRONZE



Class	Fig. No.
200	2825

STANDARD MATERIALS

PART	MATERIALS
Body	B61
Cap	B61 (1)
Disc or Disc Holder (2)	B62 or B371 C69400 or B16
Disc Nut	B16
Disc Insert (2)	PCTFE (3)
Disc Plate (2)	B16
Screw or Disc Plate Nut (2)	B16
Carrier	B62 or B124 C37700
Carrier Pin	B16
Side Plug	B16

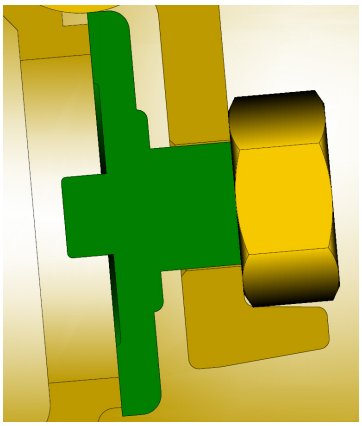
1. B16 for ¾" and smaller sizes
2. Soft Seat design
3. Other insert materials available

Design Specifications

Item	Applicable Specification
Pressure - temperature ratings	MSS SP-80
General valve design	MSS SP-80
Materials	ASTM

DESIGN FEATURES:

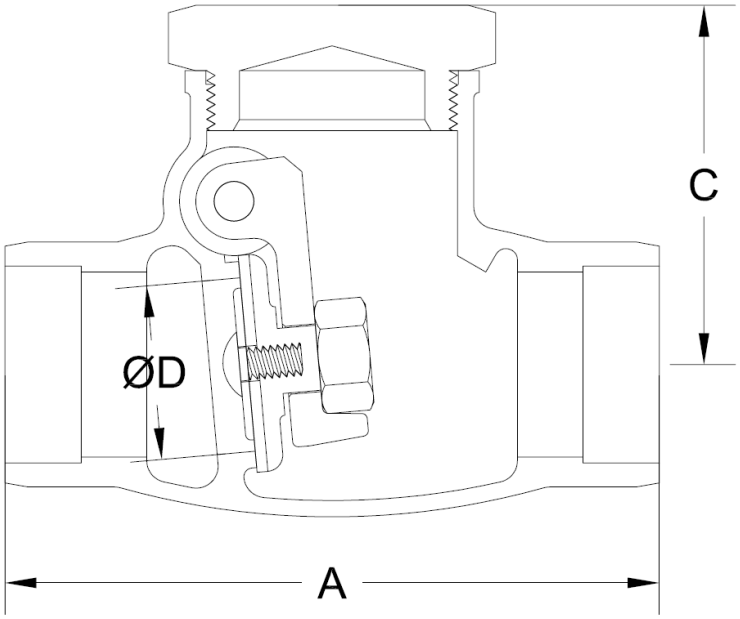
- By unscrewing the side plug and removing the cap and carrier pin, the carrier and disc assembly can be easily removed.
- Renewable disc is held by a locknut.
- Integral seats.
- Valves can be used in a horizontal or vertical position; however, when installed in vertical line, flow must be upward with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



Metal Seat Design

SWING CHECK VALVE DIMENSIONS (CLASS 200)

SIZE	FIG 560					
in / mm	A	C	D	WT	lb / kg	C_v
½	3.00	1.4	0.50	1.0		4
13	76	35	13	0.5		
¾	3.38	1.7	0.75	1.5		9
20	86	43	19	0.7		
1	3.75	2.1	1.00	1.5		20
25	95	52	25	0.7		
1½	4.75	2.9	1.50	3.1		40
40	121	75	38	1.4		
2	5.50	3.3	2.00	5.0		75
50	140	84	51	2.3		
2½	7.25	3.9	2.50	8.3		120
65	184	100	64	3.8		
3	8.38	4.5	3.00	13		175
75	213	114	76	5.9		



WT = Weight
C_v = Flow Coefficient