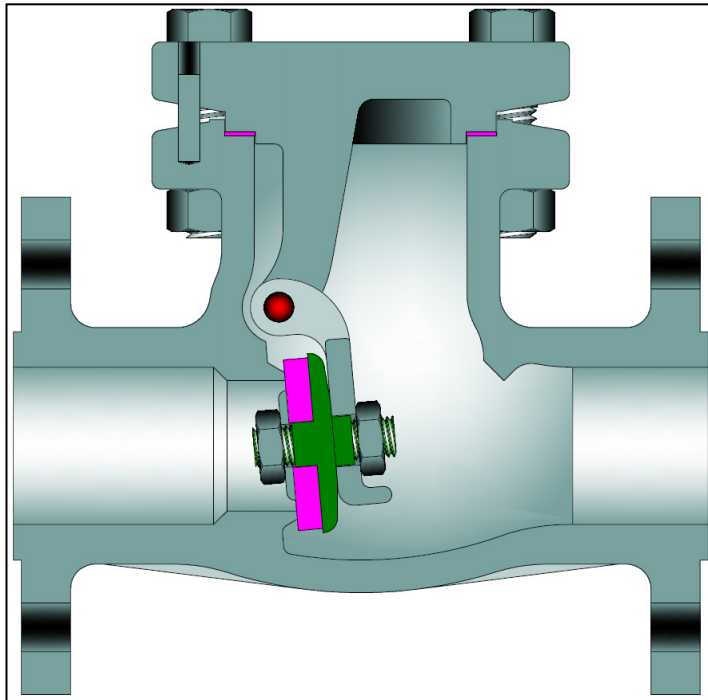


ASME B16.34 WALL SWING CHECK VALVES

BOLTED BONNET, CLASSES 150 - 300

1/2" - 8" (13 - 200mm), FLANGED OR BUTTWELD ENDS

CAST STAINLESS STEEL



Class	Fig. No.
150	2342
300	2346 (1)

DESIGN FEATURES:

- Integral Seats
- Swivel disc for improved seat alignment and longer life.
- Each valve is shell and seat pressure tested.
- Check valves are suitable for service in horizontal line with cap vertical or in a vertical line with flow upward.
- Carrier Pin is confined within the body wall and is not accessible from the exterior. This eliminates potential leak path with side plug design.
- Disc suspended from valve cap and without side plugs.
- Cap has a male and female joint.
- Weld ends are available per ASME B16.25 or per customer's specification.
- Flanges:
 - Classes 150-300: 1/16" raised face.
 - Finish 125-250 AARH for all valves.
- Valves are specially cleaned and processed for oxygen or cryogenic service and are then sealed to prevent contamination.
- Each valve has a unique certification number that is traceable to the valve certification sheet which includes MTR data, pressure test, inspection result and certificate of conformance.
- Other available options as follows:
 - » Alternate valve materials
 - » Alternate trim materials
 - » Special cleaning for applications such as oxygen or chlorine

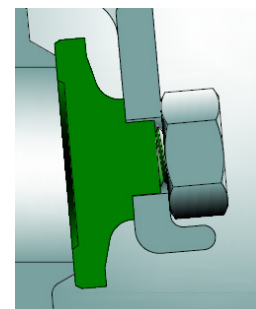
STANDARD MATERIALS (Other materials available)

PART	MATERIALS
Body	A351 Gr. CF8M (3)
Cap	A351 Gr. CF8M
Disc or Disc Holder (2)	A276 316 or A351 CF8M
Disc Insert (2)	PCTFE
Disc Washer (2)	SST 316
Disc Insert Nut (2)	SST 316
Gasket	Graphite
Carrier	A351 Gr. CF8M
Carrier Pin	A276 316
Disc Nut	SST 316
Body / Cap Stud	A193 Gr. B8
Body / Cap Nut	A194 Gr.8
Locating Pin	SST
Identification Plate	Series 300 SST

1. See pages 37-38 for threaded and socket weld designs.
2. Soft seat design.
3. CF3M for weld end bodies.

Design Specifications

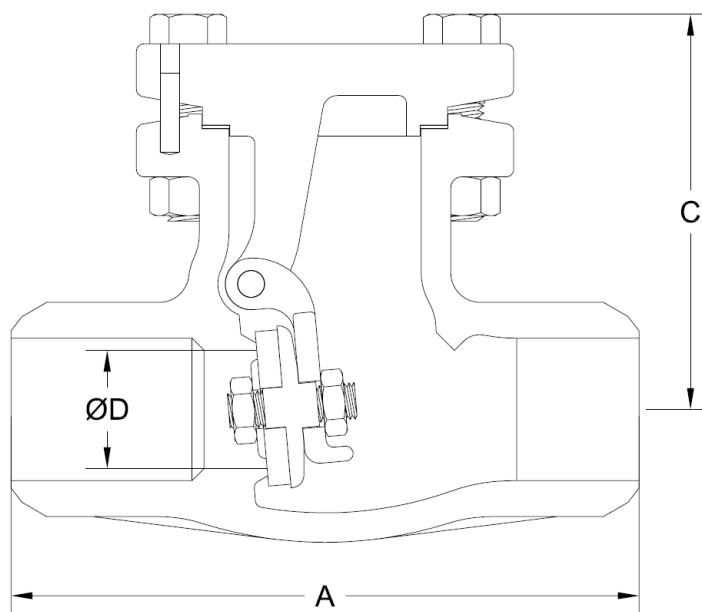
Item	Applicable Specification
Wall thickness	ASME B16.34
Pressure - temperature ratings	ASME B16.34
General valve design	ASME B16.34
Flanged ends	ASME B16.5
Buttweld ends	ASME B16.25
Materials	ASTM



Metal Disc

SWING CHECK VALVE DIMENSIONS (CLASSES 150 - 300)

SIZE	ASME 150						ASME 300											
	in	A	C	D	WT	lb	WT	lb	C _v	A	C	D	WT	lb	WT	lb	C _v	
					FE	kg	WE	kg					FE	kg	WE	kg		
½	4.25	2.2	0.50		3.6		2.1		3.9	6.00	2.2	0.50		7.0		2.1		3.9
13	108	55	13		1.6		1.0			152	55	13		3.2		1.0		
¾	4.62	3.0	0.75		5.3		3.3		9.2	7.00	3.0	0.75		12.5		3.3		9.2
20	117	76	19		2.4		1.5			178	76	19		5.7		1.5		
1	5.00	3.4	1.00		7.5		4.9		17	8.50	3.4	1.00		18.0		4.9		17
25	127	86	25		3.4		2.2			216	86	25		8.2		2.2		
1½	6.50	4.1	1.50		14.6		10.6		40	9.50	4.1	1.50		30.0		10.6		40
38	165	103	38		6.6		4.8			241	103	38		13.6		4.8		
2	8.00	4.6	2.00		24.0		15.5		75	10.50	4.6	2.00		39.0		15.5		75
50	203	116	51		10.9		7.0			267	116	51		17.7		7.0		
2½	8.50	5.6	2.50		33		30		120	11.50	5.6	2.50		45		34		120
65	216	142	170		17		15			292	142	170		22		17		
3	9.50	5.8	3.00		38		37		175	12.50	5.8	3.00		73		52		175
80	241	148	192		19		18			318	148	192		36		26		
4	11.50	6.5	4.00		69		51		315	14.00	6.5	4.00		92		69		315
100	292	165	213		34		25			356	164	213		46		34		
6	14.00	8.2	6.00		119		94		760	17.50	8.6	6.00		172		124		760
150	356	208	273		59		46			444	218	299		85		61		
8	19.50	10.1	8.00		229		178		1390									
200	495	257	349		113		88											



C = Center to top
FE = Flanged ends
WE = Buttweld ends
WT = Weight
C_v = Flow coefficient

Weld End Design