

Swing Check Valves

Swing Check Valves - Classes 150, 300 & 600

Specifications

- Bolted Cover
- Full Port
- Flanged End or Buttweld Ends

Basic Standards

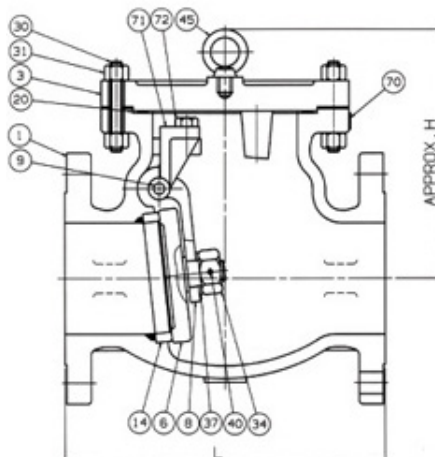
- Design : API 600 Type
- Face to Face/End to End : ANSI B16.10
- Flange Dimensions : ANSI B16.5
- End Dimensions : ANSI B16.25
- Testing : API 598



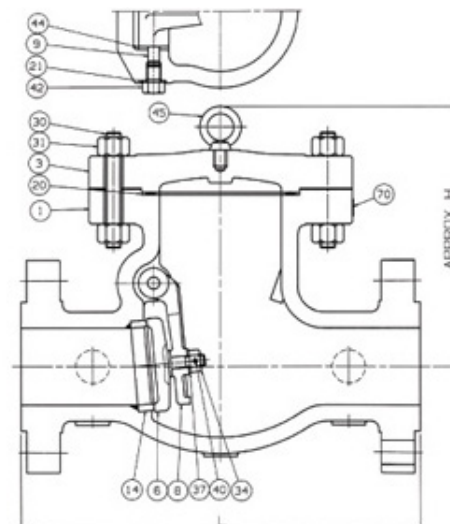
Standard Material Specifications

No	Part Name	Q' ty	Materials				
1	Body	1	A216-WCB	A217-WC6	A352-LCB	A352-LC3	A217-WC1
3	Cover	1	A216-WCB	A217-WC6	A352-LCB	A352-LC3	A217-WC1
6	Disc	1	A217-CA15	A217-CA15	A351-CF8	A351-CF8	A217-CA15
8	Hinge	1	A216-WCB	A217-WC6	A352-LCB	A352-LC3	A217-WC1
9	Hinge Pin	1	A276-410			A276-304	A276-410
14	Seat Ring	1	A217-CA15	A217-CA15	A351-CF8	A351-CF8	A217-CA15
20	Gasket	1	Spiral Wound W/Graphite				
21	Plug Gasket	1	Graphite Sheet				
30	Cover Blot	1set	A193-B7	A193-B7/B16	A193-B7	A193-B8	A193-B7/B16
31	Cover Blot nut	1set	A194-2H	A194-2H/4	A194-2H	A194-8	A194-2H/4
34	Disc Nut	1	A194-2H			A194-8	A194-2H
37	Disc Washer	1	A276-304				
40	Split Pin	1	A276-304				
42	Plug	1	A105	A182-F22	A276-304		A276-316
44	Hinge Pin Washer	1			A276-304		A276-316
45	Eye Bolt	1	A108-1020				
70	Name Plate	1	A176-304				

Other materials are available upon request.



L1(Butt Welding)
Class 150 & 300



L1(Butt Welding)
Class 150 & 300

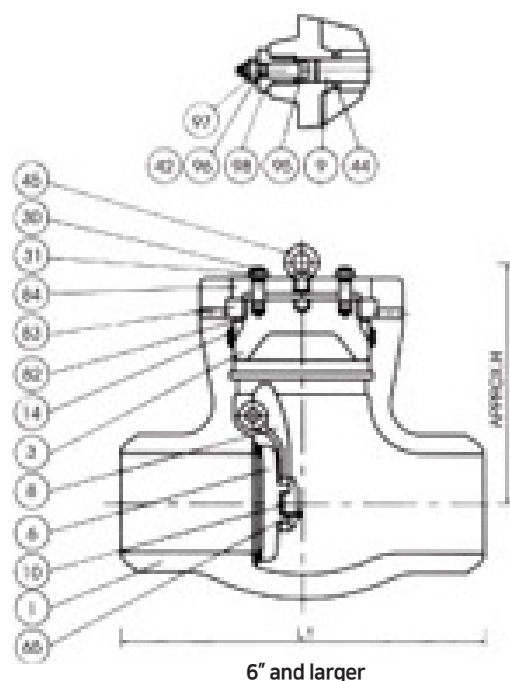
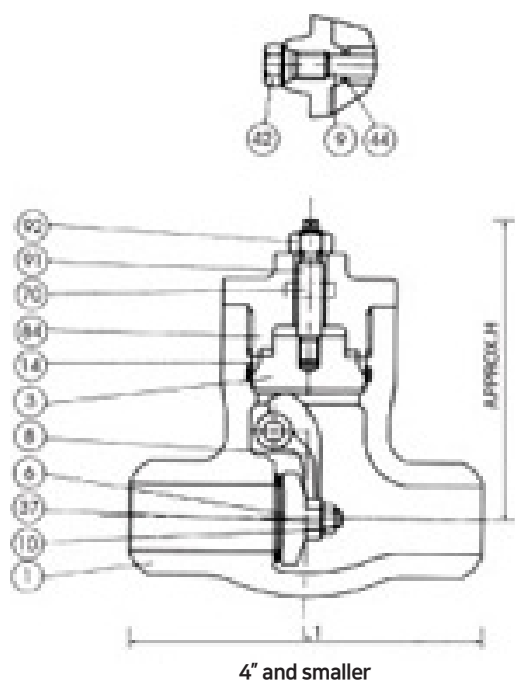
Dimensions

Unit : inch(mm)

NPS	Class 150			Class 300			Class 600		
	L	L1	H	L	L1	H	L	L1	H
2	8 (203)	8 (203)	5.75 (147)	10.5 (267)	10.5 (267)	6.5 (165)	115.5 (292)	115.5 (292)	8.25 (210)
2 1/2	8.5 (216)	8.5 (216)	6.5 (163)	11.5 (292)	11.5 (292)	7.5 (190)	13 (330)	13 (330)	8.5 (219)
3	9.5 (241)	9.5 (241)	7 (175)	12.5 (318)	12.5 (318)	8.25 (210)	14 (356)	14 (356)	10.5 (267)
4	11.5 (292)	11.5 (292)	8 (205)	14 (356)	14 (356)	9 (230)	17 (432)	17 (432)	11.75 (300)
5	13 (330)	13 (330)	8.5 (215)	15.75 (400)	15.75 (400)	10 (254)	20 (508)	20 (508)	13.25 (337)
6	14 (356)	14 (356)	9.75 (245)	17.5 (444)	17.5 (444)	12.5 (317)	22 (559)	22 (559)	15 (381)
8	19.5 (495)	19.5 (495)	12 (305)	22 (559)	22 (559)	12.5 (317)	26 (666)	26 (666)	15.75 (450)
10	24.5 (622)	24.5 (622)	13.25 (335)	24.5 (622)	24.5 (622)	13.25 (337)	31 (787)	31 (787)	19 (485)
12	27.5 (698)	27.5 (698)	15 (384)	28 (711)	28 (711)	14.5 (370)	33 (838)	33 (838)	21.75 (555)
14	31 (787)	31 (787)	17.75 (448)	33 (838)	33 (838)	16.25 (410)	35 (889)	35 (889)	22.5 (570)
16	34 (864)	34 (864)	21.25 (540)	34 (864)	34 (864)	18.75 (474)	39 (991)	39 (991)	24 (610)
18	38.5 (978)	38.5 (978)	22 (559)	38.5 (978)	38.5 (978)	22.75 (580)	43 (1092)	43 (1092)	25.5 (650)
20	38.5 (978)	38.5 (978)	24.5 (620)	40 (1016)	40 (1016)	25.5 (645)	48 (1194)	48 (1194)	26.75 (680)
24	51 (1295)	51 (1295)	25.5 (650)	53 (1346)	53 (1346)	30 (759)	55 (1397)	55 (1397)	28.25 (720)

Swing Check Valves - Classes 900, 1500 & 2500

Pressurer Seal Cover



Swing Check Valves

Unit : inch(mm)

NPS	Class 900		Class 1500		Class 2500	
	L1	H	L1	H	L1	H
2 1/2	10 (254)	11 (280)	10 (254)	10 (255)	13 (320)	10 (255)
3	12 (305)	12 (305)	12 (305)	12 (305)	15 (358)	12 (305)
4	14 (356)	13 (325)	16 (406)	14 (355)	18 (457)	16 (395)
6	20 (508)	20 (515)	22 (559)	16 (405)	24 (610)	18 (450)
8	26 (660)	24 (615)	28 (711)	20 (500)	30 (762)	22 (560)
10	31 (787)	28 (705)	34 (991)	22 (550)	36 (914)	24 (620)
12	36 (914)	32 (805)	39 (991)	26 (660)	41 (10341)	28 (715)
14	39 (991)	34 (875)	42 (1067)	28 (715)	44 (1118)	31 (790)
16	43 (1092)	37 (950)	47 (1194)	32 (505)	49 (1245)	35 (880)
18	43 (1219)	41 (1035)				

Bill of Materials & Parts

No.	Part Name	Q' ty							
			A216	A217				A351	
			WCB	WC6	WC9	C5	C12	CFB	CF8M
1	Body	1	A216 WCB	A217 WC6	A217 WC9	A217 -C5	A217 -C12	A351 -CF8	A351 -CF8M
3	Cover	1	A105 A216-WCB	A182-F11 A216-WC6	A182-F22 A217-WC9	A182-F5 A217-C5	A182-F9 A217-C12	A182-F304 A351-CF8	A182-F316 A351-CF8M
6	Disc	1	A105 A216-WCB	A182-F11 A216-WC6	A182-F22 A217-WC9	A182-F5 A217-C5	A182-F9 A217-C12	A182-F304 A351-CF8	A182-F316 A351-CF8M
8	Hinge	1	A216 WCB	A217 -WC6	A217 -WC9	A217 -C5	A217 -C12	A351 -CF8	A351 -CF8M
9	Hinge Pin	2	A276-431						
10	Retaining Nut	1	A194-2H A105	A194-8 A276-304					
14	Seal Ring		Soft Steel					A182-F136L	
30	Cover Bolt	1set	A193-B7	A193-B7 / A193-B16*					
31	Cover Bolt Nut	1set	A194-2H	A194-2H / 194-4*					
37	Disc Washer		A108-1020	A276-304					
42	Plug		A105	A182-F11		A276-304			
44	Hinge Pin Washer	2	A276-410						
45	Eyebolt	1	A108-1020						
70	Nameplate	1	ANSI-304						
82	Spacer Ring	1	A105 A216-WCB	A182-F11 A216-WC6	A182-F22 A217-WC9	A182-F5 A217-C5	A182-F9 A217-C12	A182-F304 A351-CF8	A182-F316 A351-CF8M
83	Ring Retainer	1set	A105 A216-WCB	A182-F11 A216-WC6	A182-F22 A217-WC9	A182-F5 A217-C5	A182-F9 A217-C12	A182-F304 A351-CF8	A182-F316 A351-CF8M
84	Cover Retainer	1	A105 / A216-WCB						
91	Retainer Bolt	1set	A193-B7 / A193-B16*						
92	Retainer Bolt Ring	1set	A194-2H / 194-4*						
95	Hinge Pin Seal Ring	2	Soft Steel					A182-F136L	
96	Plug Bolt	2	A276-431						
97	Plug Bolt Nut	2	A194-2H / 194-4*						
98	Plug Bolt Retainer	2	A276-410						

·Used above 540°C(1000°F)

·Other materials are available upon request.