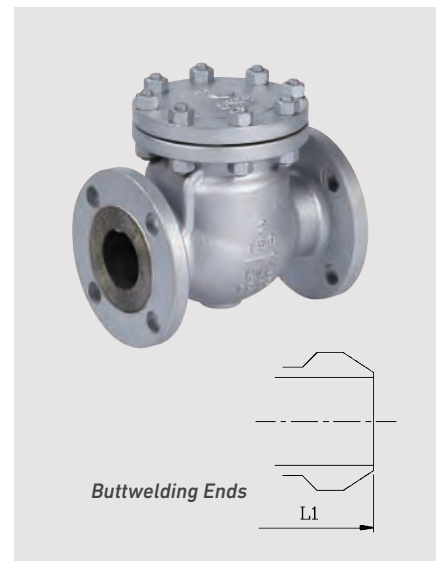


CAST STEEL CHECK VALVE

CLASS 150 MODEL NO. FH 413-CT 150



DESIGN DESCRIPTION

- Bolted Cover
- Swing Type
- For Horizontal or Vertical Lines
- Renewable Seat Ring
- Flanged Ends
- Buttwelding Ends

APPLICABLE STANDARDS

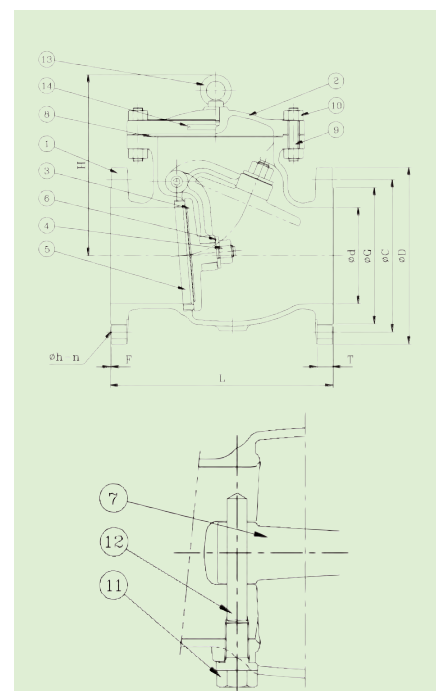
- Steel Valves, ANSI B16.34
- Face to Face, ANSI B16.10
- End Flanges, ANSI B16.5
- Buttwelding Ends, ANSI B16.25
- Inspection and Test, API 598

TEST PRESSURE TO API 598

Shell Test (Water)	Seat Test (Water)	Seat Test (Air)
450 (32 kg/cm ²)	314 (22 kg/cm ²)	80 (6 kg/cm ²)

PARTS AND MATERIALS

No	Parts	Materials		
		WCB	WC6	LCB
1	Body	A216-WCB	A217-WC6	A352-LCB
2	Cover	A216-WCB	A217-WC6	A352-LCB
3	Disc	A216-WCB+H/F 410	A217-WC6+H/F 410	A352-LCB+H/F 410
4	Disc Nut	A194-8		
5	Seat Ring	A105+H/F STL#6	A217-WC6+H/F STL#6	A350-LF2+H/F STL#6
6	Disc Washer	A276-304		
7	Swing Arm	A216-WCB	A217-WC6	A352-LCB
8	Gasket	Grafoil+316 Sheet		
9	Cover Bolt	A193-B7	A193-B7	A193-B7M
10	Cover Bolt Nut	A194-2H	A194-2H	A194-2HM
11	Plug	A276-410		
12	Hinge Pin	A276-410		
13	Eye Bolt	A36+Zn Plate		
14	Name Plate	A666-304		



Other materials are available upon request.

DIMENSION

DN	NPS	Ø d	L & L1	H	T	F	Ø D	Ø C	Ø G	Ø h	n	Wt (kg)
50	2	50.8	203	170	15.8	1.6	152.4	120.7	92.0	19.0	4	16
65	2½	63.5	216	180	17.5	1.6	177.8	139.7	104.7	19.0	4	25
80	3	76.2	241	195	19.1	1.6	190.5	152.4	127.0	19.0	4	29
100	4	101.6	292	215	23.9	1.6	228.6	190.5	157.2	19.0	8	41
125	5	127.0	330.2	279	24.0	1.6	254.0	215.9	186.0	22.4	8	52
150	6	152.4	356	270	25.4	1.6	279.4	241.3	215.9	22.3	8	76
200	8	203.2	495	315	28.5	1.6	342.9	298.5	269.8	22.3	8	126
250	10	254.0	622	360	30.3	1.6	406.4	362.0	323.9	25.4	12	202
300	12	304.8	699	400	31.8	1.6	482.6	431.8	381.0	25.4	12	306
350	14	336.6	787	460	35.1	1.6	533.4	476.3	412.8	28.5	12	420
400	16	387.4	864	490	36.6	1.6	596.9	539.8	469.9	28.5	16	550
450	18	438.2	978	560	39.7	1.6	635.0	577.9	533.4	31.8	16	760
500	20	489.0	978	620	43.0	1.6	698.5	635.0	584.2	31.8	20	820
550	22	540.0	1067	726	46.0	1.6	749.3	692.2	641.4	35.0	20	1000
600	24	590.6	1295	700	47.8	1.6	812.8	749.3	692.2	35.0	20	1300

CAST STAINLESS STEEL CHECK VALVE

CLASS 150 MODEL NO. FH 413-CTS 150

DESIGN DESCRIPTION

- Bolted Cover
- Swing Type
- For Horizontal or Vertical Lines
- Integral Seat
- Flanged Ends
- Buttwelding Ends

APPLICABLE STANDARDS

- Steel Valves, ANSI B16.34
- Face to Face, ANSI B16.10
- End Flanges, ANSI B16.5
- Buttwelding Ends, ANSI B16.25
- Inspection and Test, API 598

TEST PRESSURE TO API 598

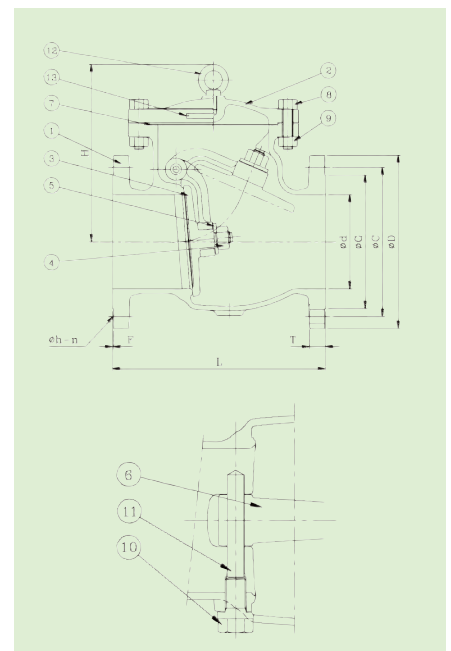
Shell Test (Water)	Seat Test (Water)	Seat Test (Air)
450 (32 kg/cm ²)	314 (22 kg/cm ²)	80 (6 kg/cm ²)

PARTS AND MATERIALS

No	Parts	Materials		
		CF8	CF8M	CF3M
1	Body	A351-CF8	A351-CF8M	A351-CF3M
2	Cover	A351-CF8	A351-CF8M	A351-CF3M
3	Disc	A351-CF8	A351-CF8M	A351-CF3M
4	Disc Nut	A194-8	A194-8M	A194-8M
5	Disc Washer	A276-304	A276-316	A276-316L
6	Swing Arm	A351-CF8	A351-CF8M	A351-CF3M
7	Gasket	PTFE / Grafoil+316 Sheet		
8	Cover Bolt	A193-B8		
9	Cover Bolt Nut	A194-8		
10	Plug	A276-304	A276-316	A276-316L
11	Hinge Pin	A276-304	A276-316	A276-316L
12	Eye Bolt	A36+Zn Plate		
13	Name Plate	A666-304		

DIMENSION

DN	NPS	Ø d	L & L1	H	T	F	Ø D	Ø C	Ø G	Ø h	n	Wt (kg)
40	1½	38.1	165	122	14.3	1.6	127.0	98.6	73.2	16.0	4	7.5
50	2	50.8	203	142	15.8	1.6	152.4	120.7	92.0	19.0	4	11
65	2½	63.5	216	148	17.5	1.6	177.8	139.7	104.7	19.0	4	16
80	3	76.2	241	161	19.1	1.6	190.5	152.4	127.0	19.0	4	21
100	4	101.6	292	187	23.9	1.6	228.6	190.5	157.2	19.0	8	33
150	6	152.4	356	287	25.4	1.6	279.4	241.3	215.9	22.3	8	55
200	8	203.2	495	316	28.5	1.6	342.9	298.5	269.8	22.3	8	94
250	10	254.0	622	393	30.3	1.6	406.4	362.0	323.9	25.4	12	168
300	12	304.8	699	428	31.8	1.6	482.6	431.8	381.0	25.4	12	238
350	14	336.6	787	453	35.1	1.6	533.4	476.3	412.8	28.5	12	366
400	16	387.4	864	490	36.6	1.6	596.9	539.8	469.9	28.5	16	522
450	18	438.2	978	520	39.6	1.6	635.0	577.9	533.4	31.8	16	725



Other materials are available upon request.