

STAINLESS STEEL SWING CHECK VALVES

DESIGN FEATURE

BOLTING

The body-cover bolts are manufactured in accordance with API Standard. The bolting also strictly conform with ASME B 1.1 CLASS 2A&2B as well as ASME B18.2.2.

COVER

The cover material is identical to the body.

ARM

The arm material is identical to the body. The arm shaft is accurately machined and lapped to eliminate friction stress.

HINGE PIN

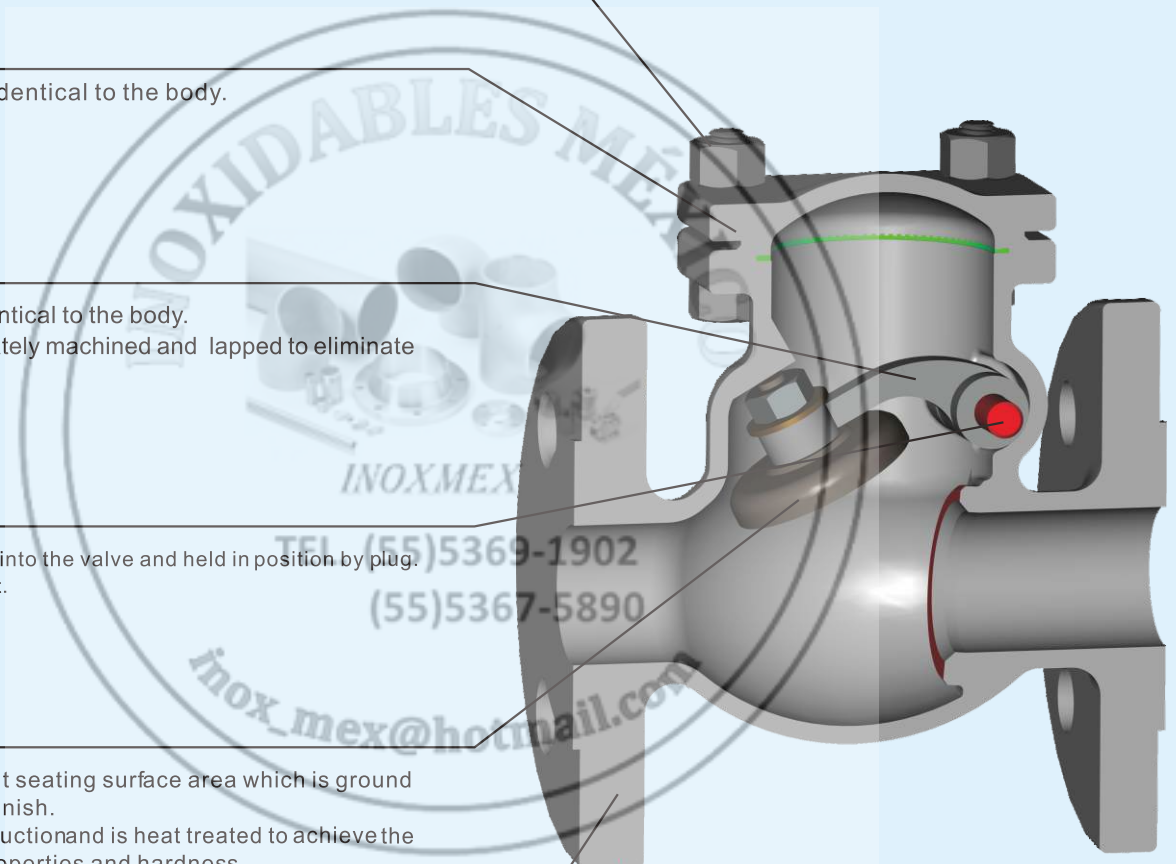
The hinge pin is inserted into the valve and held in position by plug. Then is sealed with gasket.

DISC

The disc has a sufficient seating surface area which is ground and lapped to a mirror finish. It is of one-piece construction and is heat treated to achieve the required mechanical properties and hardness.

BODY

The body is designed with a wall thickness which is greater at any point than the minimum requirement provided by API Standard. Port and seat passage dimensions conform to ASME B16.5 and B 16.34. The standard body-cover joint is male-female, and the flange is round for all valves.



STAINLESS STEEL SWING CHECK VALVES

DESIGN FEATURES:

- Bolted Cover
- Swing Type
- For Horizontal or Vertical Lines
- Integrated Body Seat

APPLICABLE STANDARDS:

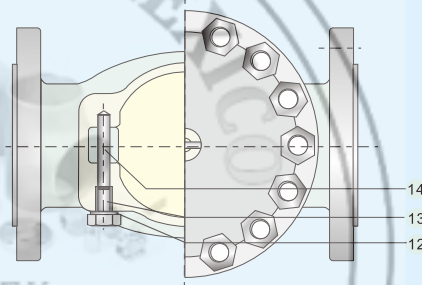
- Design: ASME B 16.34
- Face to Face: ASME B 16.10
- Flanged Ends: ASME B 16.5
- Inspection and Test: API 598, API 6D



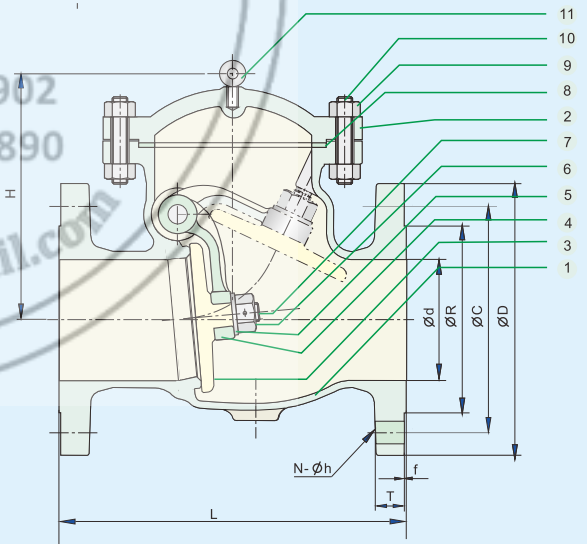
TEST PRESSURE TO API 598

PSIG

CLASS	SHELL TEST(WATER)	SEATS TEST(WATER)	SEATS TEST(AIR)
150#	425(30Bar)	304(22Bar)	80(6Bar)



NO.	NAME OF PART	MATERIALS	
1	Body	A351-CF8	A351-CF8M
2	Cover	A351-CF8	A351-CF8M
3	Disc	A351-CF8	A351-CF8M
4	Arm	A351-CF8	A351-CF8M
5	Disc Washer	304	316
6	Disc Nut	304	316
7	Nut Pin	304	316
8	Cover Gasket	PTFE /304(316)SPIRAL WOUND+GRAFOIL FILLER	
9	Cover Nut	A194-8	
10	Cover Bolt	A193-B8	
11	Eye Bolt	A276-304	
12	Plug Gasket	PTFE /GRAFOIL	
13	Plug	A351-CF8	A351-CF8M
14	Hinge Pin	A276-304	A276-316



CLASS 150# DIMENSIONAL TABLE

KC-150

SIZE	d	L	D	C	R	T	f	N-h	H
1/2"	15	108	90	60.3	35.0	8.0	2	4 - 16.0	82.0
3/4"	20	117	100	69.9	43.0	8.9	2	4 - 16.0	85.0
1"	25	127	110	79.4	51.0	9.6	2	4 - 16.0	85.0
1-1/4"	32	140	115	88.9	63.5	11.2	2	4 - 16.0	102.0
1-1/2"	40	165	125	98.4	73.0	12.7	2	4 - 16.0	115.0
2"	50	203	150	120.7	92.0	14.3	2	4 - 19.0	138.0
2-1/2"	64	216	180	139.7	105.0	15.9	2	4 - 19.0	152.0
3"	76	241	190	152.4	127.0	17.5	2	4 - 19.0	167.0
4"	100	292	230	190.5	157.2	22.3	2	8 - 19.0	190.0
5"	125	330	255	215.9	186.0	22.3	2	8 - 22.4	254.0
6"	150	356	280	241.3	216.0	23.9	2	8 - 22.4	292.0
8"	200	495	345	298.5	270.0	27.0	2	8 - 22.4	385.0