

## ANSI Cast Steel Check Valve

### Check Valve

Name: ANSI Swing Check Valve

Diameter: DN50—DN600

Pressure: 150LB,300LB,600LB

Temperature:  $\leq 425^{\circ}\text{C}$

Medium: Water, Oil

Body Material: Cast Steel, SS304,SS316

Connection: Flange

### Product introduction:

ANSI swing check valve is to rely on the media itself, the flow of automatic open and close the valve to prevent the media backflow valve, also known as the non-return valve, check valve, reversing valve, and back pressure valve. Check valve is an automatic valve, the main role is to prevent the backflow medium to prevent the pump and drive motor reversal, as well as the container medium discharge. Check valves can also be used to the pressure may rise to exceed the system pressure of the auxiliary system supply pipeline. Check valves can be divided into swing type check valves (depending on the focus of rotation) and lift check valve (along the axis of movement).

### Parameter drawing:

Annex 1: 4~6H150-CF8M

Annex two: 50-600 check valve (RF 150Lb)

Annex three: parameters

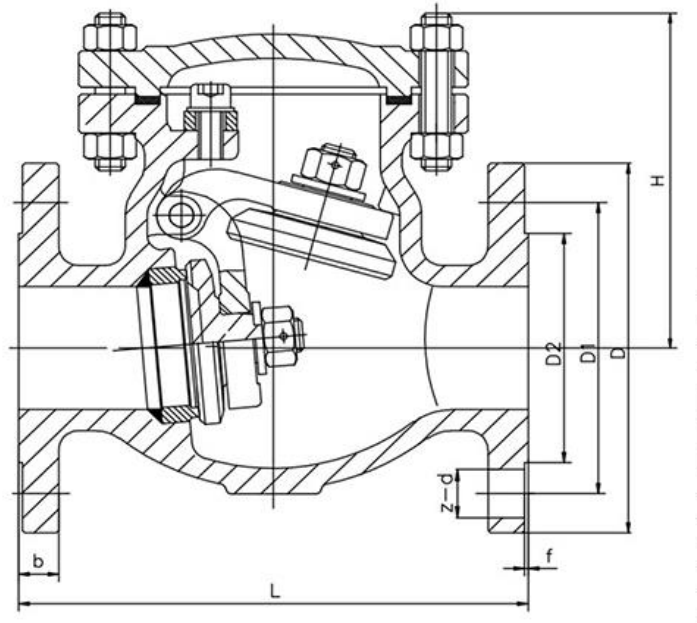
### Product features and advantages:

1. valve flap for swing type, flow channel through, horizontal pipeline vertical pipe can be installed.
2. Rocker pin shaft by loading type structure, to reduce the external leakage faults.
3. Valve cover bolt connection, high pressure level is greater than class 600Lb, flange pressure from the sealing structure, makes products
4. Volume light weight, reliable sealing. Standard (fire, anti-static)

### Application:

Suitable for oil, chemical, chemical fertilizer, chemical fertilizer, power industry and other operating conditions of the pipeline, cut off or switch on the pipe

## PARAMETERS



#### ANSI Check Valve Standards :

Model	Design&Manufacture			Face To Face	Flange Size	Pressure~ Temperature		Test~ Inspection		
Swing Start Check Valve	ANSIB16.34		ANSIB16.10	ANSIB16.5a	ANSIB16.34			API598		
Lifting Check Valve	BS1868									
Test Item	Sheell Test			Sealing Test		Upper Sealing Test		Gas Sealing Test		
Medium		Water						Gas		
Unit		MPa	ibf/in2	MPa	ibf/in2	MPa	ibf/in2	MPa	ibf/in2	
Pressure degree	150	3.1	450	2.2	315	2.2	315	0.5-1.7	60-100	
(Pound)	300	7.8	1125	5.6	815	5.6	815			
	400	10.3	1500	7.6	1100	7.6	1100			
	600	15.3	2225	11.2	1630	11.2	1630			
	900	23.1	3350	16.8	2440	16.8	2440			
	1500	38.4	5575	28.1	4080	28.1	4080			
Name		Material								
Body、Bonnet、Disc	A216	A352	A217	A217	A217	A351	A351	A351	A351	
Bearing、Yoke	WCB	LCB	WC6	WC9	C5	CF8	CF8	CF3	CF3M	
Pin	A182 F6	A182 F304					A182 F316	A182 F304L	A182 F316L	
Bolt	A193-B7、A320-L7、A193-B8									
Nut	A194-2H、A194-7、A194-8									
Nominal Pressure	Specifications					Size (mm)				
PN (MPa)	inch		DN	L	D	D1	D2	b	Z-d	H
150Lb	1		25	127	108	79.5	51	12	4-15	90

	2001/1/2	40	165	127	98.5	73	15	4–15	115
	2	50	203	152	120.7	92	16	4–19	150
	2002/1/2	65	216	177.8	139.7	104.7	18	4–19	160
	3	80	241	190.5	152.4	127	19	4–19	180
	4	100	292	229	190.5	157	24	8–19	220
	5	125	330	254	216	185.7	26	8–22	280
	6	150	356	279	241.3	216	26	8–22	340
	8	200	495	343	298.5	270	29	8–22	400
	10	250	622	406	362	324	31	12–25	460
	12	300	698	483	432	381	32	12–25	530
	14	350	787	533	476.3	413	35	12–29	580
	16	400	864	597	540	470	37	16-29	600
	18	450	978	635	578	533.4	40	16-32	650
	20	500	978	698.5	635	584	43	20-32	700
	24	600	1295	813	749.3	692	48	20-35	780
	28	700	1448	927	863.6	800	72	28-35	850
	30	800	1524	984	914.4	857	75	28-35	920
300Lb	2	50	267	165	127	92	23	8–19	170
	2002/1/2	65	292	190.5	149.4	104.7	26	8–22	180
	3	80	318	210	168.2	127	29	8–22	210
	4	100	356	254	200.2	157	32	8–22	290
	5	125	400	279	235	185.7	35	8–22	290
	6	150	444	318	270	216	37	12–22	350
	8	200	533	381	330	270	42	12–25	430
	10	250	622	445	387.5	324	48	16-29	480
	12	300	711	521	451	381	51	16-32	550
	14	350	838	584	514.5	413	54	20-32	620
	16	400	864	648	571.5	470	58	20-35	650
	18	450	978	711	628.7	533.4	61	24-35	690
	20	500	1016	775	685.8	584	64	24-35	740
	24	600	1346	914.4	812.8	692	70	24-41	800
	28	700	1499	1035	939.8	800	86	28-45	860
	30	800	1594	1092	997	857	92	28-48	980
600Lb	2	50	292	165	127	92	26	8–19	190
	2002/1/2	65	330	190.5	149.4	104.7	29	8–22	210
	3	80	356	210	168.2	127	32	8–22	230
	4	100	432	273	216	157	38	8–25	300
	5	125	508	330	266.7	185.7	45	8–29	310
	6	150	559	356	292	216	48	12–29	370
	8	200	660	419	349	270	56	12-32	450
	10	250	787	508	432	324	64	16-35	500
	12	300	838	559	489	381	67	20-35	570
	14	350	889	603	527	413	70	20-38	640
	16	400	991	686	603	470	77	20-41	570
	18	450	1092	743	654	533.4	83	20-44	710

	20	500	1194	855	724	584	89	24-44	760
	24	600	1397	1040	838	692	102	24-52	830





