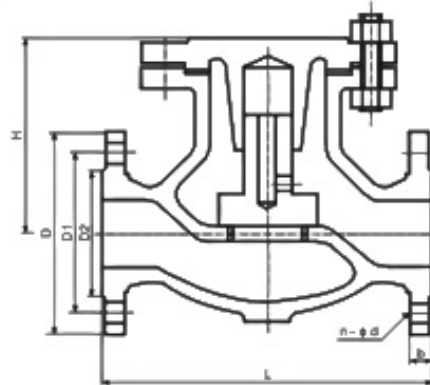




● Swing Check Valve

Structure chart:



Using standards:

Styles	Designs	Structure length	Flange standard	Pres. & Temp.	Test
Swing check valve	ANSI B16.34	ANSI B16.10	ANSI B16.15	ANSI B16.34	API 598
Lift check valve	BS 1868				

Test standards:

PN (Lb)		150	300	600
Shell test	MPa	3.1	7.8	15.3
	Lbf/in ²	450	1125	2225
Water seal test	MPa	2.2	5.6	11.2
	Lbf/in ²	315	815	1630
Air seal test	MPa	0.5~0.7		
	Lbf/in ²	60~100		

Materials list of -Parts and application:

Body/bonnet/Disk/ Rocker/Guide sleeve	Pin roll	Gasket	Seal face	W. Temp. (°C)	Applicable medium
WCB	2Cr13	Reinforced flexible graphite 1Cr13/ flexible graphite	13Cr	≤425	Water, steam, Oil, Nitriding acid, Acetic acid, Strong oxidizing medium, carbamide
WC1			STL	≤450	
WC6			Body mat.	≤540	
WC9			PTFE	≤570	
C5 C12			Nylon	≤550	
CF8	304	Stainless steel/ Acid resistant asbestos/PTFE/ Toothed gasket		≤600	
CF3	316				
CF8M	304L				
CF3M	316L				



- **Dimensions & referenced weight:**

NPS	DN	Class 150LB unit: mm							WT
in	mm	L	D	D1	D2	b	Z-Φd	H	(Kg)
2"	50	203	157	120.7	92	19.50	4-Φ19	161	
2 ¹ / ₂ "	65	216	178	139.7	105	22.5	4-Φ19	180	
3"	80	241	190.5	152.4	127	24	4-Φ19	190	
4"	100	292	229	190.50	157.2	24	8-Φ19	220	
6"	150	356	279	241.5	216	25.5	8-Φ22.5	257	
8"	200	495	343	298.5	270	29	8-Φ22.5	292	
10"	250	622	406	362	324	30.5	12-Φ25	350	
12"	300	698	483	432	381	32	12-Φ25	398	
14"	350	787	533	476.8	413	35	12-Φ29	445	
16"	400	864	597	539.8	470	37	16-Φ29	490	
18"	450	978	635	577.8	533	40	16-Φ32	520	
20"	500	978	698	635	584	43	20-Φ32	546	
24"	600	1295	813	749.3	692	48	20-Φ35	880	

NPS	DN	Class 300LB unit: mm							WT
in	mm	L	D	D1	D2	b	Z-Φd	H	(Kg)
2"	50	267	165	127	92	22.5	8-Φ19	179.5	
2 ¹ / ₂ "	65	292	190	150	105	25	8-Φ22	190	
3"	80	318	210	168	127	29.0	8-Φ22.5	212.4	
4"	100	356	254	200	157	32.0	8-Φ22.5	246	
6"	150	445	317.5	269.7	216	37.0	12-Φ22.5	292	
8"	200	533	381	330	270	41.5	12-Φ25.5	328	
10"	250	622	444.5	387	324	48.0	16-Φ28.5	378.6	
12"	300	711	521	451	381	51.0	16-Φ32	420	
14"	350	838	584	514	54	54	20-Φ32	470	
16"	400	864	648	572	57	57	20-Φ35	530	
18"	450	978	711	629	60	60	24-Φ35	584	
20"	500	1016	775	686	64	64	24-Φ35	610	
24"	600	1346	914	813	70	70	24-Φ41	860	



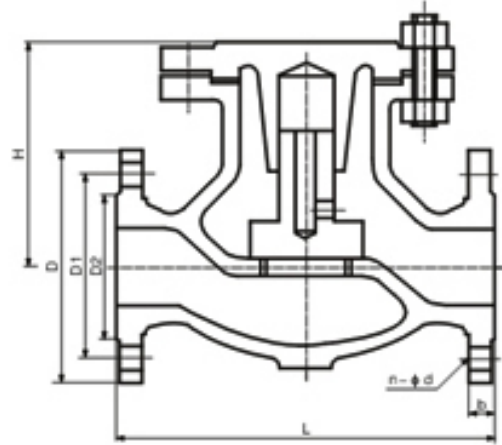
- **Dimensions & referenced weight:**

NPS	DN	Class 600LB unit: mm							WT
in	mm	L	D	D1	D2	b	Z-Φd	H	(Kg)
2"	50	292	165	127	92	25	8-Φ19	203	
2 ¹ / ₂ "	65	330	190	150	105	29	8-Φ22	229	
3"	80	356	210	168	127	32	8-Φ22	235	
4"	100	432	273	216	157	38	8-Φ25	286	
6"	150	559	356	292	216	48	8-Φ29	330	
8"	200	660	419	349	270	56	12-Φ29	381	
10"	250	787	508	432	324	64	12-Φ32	457	
12"	300	838	559	489	381	67	16-Φ35	584	
14"	350	889	603	527	413	70	20-Φ38	635	
16"	400	991	686	603	470	76	20-Φ41	684	



● Lift check valve

This valve is widely used to the pipeline of petroleum, chemical, power station, etc.



Using standards:

Styles	Designs	Structure length	Flange standard	Pres. & temp.	Test
Swing check valve	ANSI B16.34	ANSI B16.10	ANSI B16.15	ANSI B16.34	API 598
Lift check valve	BS 1868				

Test standards:

PN (Lb)		150	300	600
Shell	3.1	7.8	15.3	
	450	1125	2225	
Water seal test	2.2	5.6	11.2	
	315	815	1630	
Air seal test	MPa	0.5~0.7		
	Lbf/in ²	60~100		

Materials list of Parts and application:

Body/bonnet/Disk/Rocker/Guide sleeve	Pin roll	Gasket	Seal face	W. Temp. (°C)	Applicable medium
WCB	2Cr13	Reinforced flexible graphite 1Cr13/ flexible graphite Stainless steel/ Acid resistant asbestos/PTFE/ Toothed gasket	13Cr	≤425	Water, steam, Oil, Nitriding acid, Acetic acid, Strong oxidizing medium, carbamide
WC1			STL	≤450	
WC6			Body mat.	≤540	
WC9			PTFE	≤570	
C5 C12			Nylon	≤550	
CF8	304			≤600	
CF3	316				
CF8M	304L				
CF3M	316L				

**Outline & Connection dimensions:** (unit: mm)

NPS	DN	Class 150LB unit: mm							WT
in	mm	L	D	D1	D2	b	Z-Φd	H	(Kg)
2"	50	203	157	120.7	92	19.50	4-Φ19	161	
2 1/2"	65	216	178	139.7	105	22.5	4-Φ19	180	
3"	80	241	190.5	152.4	127	24	4-Φ19	190	
4"	100	292	229	190.50	157.2	24	8-Φ19	220	
6"	150	356	279	241.5	216	25.5	8-Φ22.5	257	
8"	200	495	343	298.5	270	29	8-Φ22.5	292	
10"	250	622	406	362	324	30.5	12-Φ25	350	
12"	300	698	483	432	381	32	12-Φ25	398	
14"	350	787	533	476.8	413	35	12-Φ29	445	
16"	400	864	597	539.8	470	37	16-Φ29	490	
18"	450	978	635	577.8	533	40	16-Φ32	520	
20"	500	978	698	635	584	43	20-Φ32	546	
24"	600	1295	813	749.3	692	48	20-Φ35	880	

NPS	DN	Class 300LB unit: mm							WT
in	mm	L	D	D1	D2	b	Z-Φd	H	(Kg)
2"	50	267	165	127	92	22.5	8-Φ19	179.5	
2 1/2"	65	292	190	150	105	25	8-Φ22	190	
3"	80	318	210	168	127	29.0	8-Φ22.5	212.4	
4"	100	356	254	200	157	32.0	8-Φ22.5	246	
6"	150	445	317.5	269.7	216	37.0	12-Φ22.5	292	
8"	200	533	381	330	270	41.5	12-Φ25.5	328	
10"	250	622	444.5	387	324	48.0	16-Φ28.5	378.6	
12"	300	711	521	451	381	51.0	16-Φ32	420	
14"	350	838	584	514	54	54	20-Φ32	470	
16"	400	864	648	572	57	57	20-Φ35	530	
18"	450	978	711	629	60	60	24-Φ35	584	
20"	500	1016	775	686	64	64	24-Φ35	610	
24"	600	1346	914	813	70	70	24-Φ41	860	

NPS	DN	Class 600LB unit: mm							WT
in	mm	L	D	D1	D2	b	Z-Φd	H	(Kg)
2"	50	292	165	127	92	25	8-Φ19	203	
2 1/2"	65	330	190	150	105	29	8-Φ22	229	
3"	80	356	210	168	127	32	8-Φ22	235	
4"	100	432	273	216	157	38	8-Φ25	286	
6"	150	559	356	292	216	48	8-Φ29	330	
8"	200	660	419	349	270	56	12-Φ29	381	
10"	250	787	508	432	324	64	12-Φ32	457	
12"	300	838	559	489	381	67	16-Φ35	584	
14"	350	889	603	527	413	70	20-Φ38	635	
16"	400	991	686	603	470	76	20-Φ41	684	

Please Note:

1. This catalogue mainly covers the valve of USA standards; the other products please contact us.
2. The sizes in this catalogue are just for reference, they are subject to our final confirmation.