

Single disc lift type

Standards compliance

- Design and Manufacture: API 594, API 6D
- Face to face: API 594、API 6D、DIN 3202
- Flanged connection: 2"~24" to ANSI B16.5 22", 26"~36" to MSS-SP-44 to API 605 on request
- Test and inspection: API 598
- Pressure-temperature rating: ASME B 16.34 DIN 2401

Product introduction

- The wafer flange clamped butterfly check valve is a energy-save product. It is manufactured based the foreign advanced technology and in accordance with relative international standards. This product is featured by excellent retaining performance, high safety and reliability and low flow resistance. It is suitable for systems in the industries of petrochemical food processing, medicine, textile, paper-making. Water supply, drainage, metallurgy, energy. and light industry, etc, used as a check valve in one way.

Features

1. Small in size, light in weight, compact in structure, easy in maintenance.
2. Two springs are used exerting on each of the pair valve plates. Which close the plates quickly and automatically.
3. The quick-close action prevents the medium from flowing back and eliminates water-hammer effect.
4. This valve is short in length, so that it is rigid and easy to mount.
5. It is easy to install on pipeline which is laid horizontally or vertically.
6. This valve is tightly sealed without leakage under the pressure water test.
7. Safe and reliable in operation, high interference-resistance.
8. The connection dimensions of flanges accord with the standards of GB4216-84 GB4216.5-84.
9. The face to face dimensions are in accordance with ISO5752-82. The stem of the valve should be perpendicular to the horizontal level when the valve is mounted on horizontal pipeline. For vertical installation the direction of flow should be downward.

Butterfly Dual-plate Cast steel check valve



In pace with the world to form an chinese model

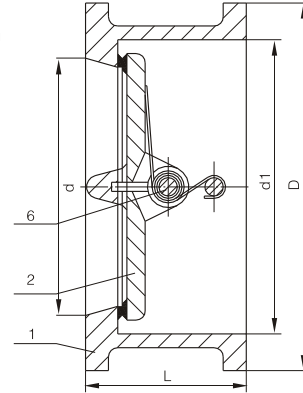
150Lb~300Lb

Applicable standards:

Steel check valves: API 594/API 6D
 Steel check valves: ISO 14313
 Steel valves: ASME B 16.34
 Face to face: ASME B 16.10
 End flanges: ASME B16.5
 Inspection and test: API 598/API 6D

Design description:

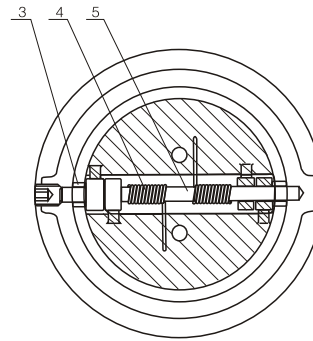
One piece body
 Butterfly swing type
 Dual-plate disc, long-pattern
 Renewable split disc
 Horizontal or vertical service
 Wafer ends
 Available with flanged ends



Materials of parts

NO	Part name	ASTM Material		
		Carbon steel	18Cr-9Ni-2Mo	Carbon steel
1	Body	A216-WCB	A351-CF8M	A352-LCB
2	Plate	A216-WCB+CR13	A351-CF8M+HF	A352-LCB+CR13
3	Stop pin	A276-420	A276-304	A276-420
4	Back spring	A313-304	A313-316	A313-304
5	Hinge pin	A276-420	A276-304	A276-420
6	Eyebolt ¹⁾	Carbon steel		

Note: 1). NPS 8" & Large;



Dimensions data

150Lb

Size	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L	in	2.38	2.62	2.88	2.88	3.88	5.00	5.75	7.12	7.25	7.50	8.00	8.62	8.75
	mm	60	67	73	73	98	127	146	181	184	191	203	219	222
D	in	4.00	4.88	5.38	6.75	8.62	10.88	13.25	16.00	19.62	20.12	21.50	23.75	28.12
	mm	103	122	135	173	220	277	337	407	448	512	547	604	715
d	in	2.00	2.50	3.25	4.00	6.00	8.00	10.00	12.00	13.75	15.75	17.75	19.75	23.62
	mm	51	65	80	102	152	203	254	305	350	400	450	500	600
d1	in	2.25	2.88	3.50	4.25	6.25	8.26	10.50	12.12	14.00	16.00	18.00	19.88	23.75
	mm	56	73	88	108	160	210	266	310	356	405	455	505	605
WT	Kg	2	3	4	6	13	25	39	54	80	117	138	163	331

Dimensions data

300Lb

Size	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L	in	2.38	2.62	2.88	2.88	3.88	5.00	5.75	7.12	8.75	9.12	10.38	11.50	12.50
	mm	60	67	73	73	98	127	146	181	222	232	264	292	318
D	in	4.25	5.00	5.75	7.00	9.88	12.00	14.12	16.50	19.00	21.12	23.38	25.62	30.38
	mm	110	128	147	179	249	305	359	420	483	537	594	652	772
d	in	2.00	2.50	3.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	24.00
	mm	51	65	80	102	152	203	254	305	350	400	450	500	600
d1	in	2.25	2.88	3.50	4.25	6.38	8.25	10.50	12.25	14.00	16.00	18.00	20.00	24.00
	mm	58	73	88	108	160	210	266	310	355	405	455	505	608
WT	Kg	3	4	6	8	18	31	51	77	117	190	200	265	410